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April 14, 2026

Mr. Matthew Battin mbattin@pennrose.com
PennRose
1301 North 31st Street
Philadelphia, Pennsylvania 19121

Re: Phase I Environmental Site Assessment Report
Future Edgeview II — 981 Peach Avenue, Memphis, Tennessee

Dear Mr. Battin:

EnSafe Inc. is pleased to provide the enclosed Phase I Environmental Site Assessment Report for the above-referenced property.

If you have any questions or require additional information, please contact me at 901-372-7962 or mcooley@ensafe.com.

Respectfully submitted,

EnSafe Inc.

By: Matt Cooley
Senior Geologist/Project Manager

PHASE I ENVIRONMENTAL SITE ASSESSMENT REPORT

FUTURE EDGEVIEW II
981 PEACH AVENUE
MEMPHIS, TENNESSEE 38105

EnSafe Project Number
0888843571

Prepared for:

PENNROSE
Bricks & Mortar | Heart & Soul

PennRose
1301 North 31st Street
Philadelphia, Pennsylvania 19121

And

CRA
COMMUNITY REDEVELOPMENT AGENCY
YOUR VISION, YOUR VOICE

City of Memphis and Shelby County Community Redevelopment Agency
P.O. BOX 70386 Memphis, TN 38107

Issue Date: April 14, 2026

5724 Summer Trees Drive
Memphis, Tennessee 38134
901-372-7962 | 800-588-7962
www.ensafe.com

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City of Memphis and Shelby County Community Redevelopment Agency
P.O. BOX 70386 Memphis, TN 38107

Earliest Interview (Owner, Operator, Occupant) Date: March 15, 2026
Government Records Review Date: March 27, 2026
Site Visit/Visual Inspection Date: March 16, 2026
Environmental Professional Declaration Date: April 14, 2026

Report Issue Date: April 14, 2026

Kevin W. Staggs, G.I.T
Geologist/Environmental Scientist
Environmental Professional

Signature

Environmental Professional Statement:
We declare that, to the best of our professional knowledge and belief, we meet the definition of Environmental Professional as defined in 40 CFR Part 312.10. We have the specific qualifications based on education, training, and experience to assess a property of the nature, history, and setting of the subject property. We have developed and performed the all appropriate inquiries in conformance with the standards and practices set forth in 40 CFR Part 312.

Prepared by:
EnSafe Inc.
5724 Summer Trees Drive
Memphis, Tennessee 38134
901-372-7962
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ENSAFE

ACRONYM AND ABBREVIATION LIST

AAI	All Appropriate Inquiries
AMSD	approximate minimum search distance
AMSL	above mean sea level
AP	adjoining property
ASTM	ASTM International
ASTM E1527-21	ASTM *Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process* Designation E1527-21
AUL	activity and use limitation
BEQ	benzo(a)pyrene equivalency
BGS	below ground surface
CERCLA	Comprehensive Environmental Response, Compensation, and Liability Act
CERCLIS	Comprehensive Environmental Response, Compensation, and Liability System
CFR	Code of Federal Regulations
CREC	controlled recognized environmental condition
DERP	Drycleaner Environmental Response Program
DoR	Division of Remediation
DUST	Division of Underground Storage Tanks
EC	engineering control
ECHO	Environmental Compliance History Online
EP	Environmental Professional
EPH	extractable petroleum hydrocarbons
ERIS	Environmental Risk Information Services
ESA	Environmental Site Assessment
FIM	fire insurance map
GIS	geographic information system
HIST RISK	Historical Business Activity Risk
HREC	historical recognized environmental condition
INST	institutional controls (sites remediated)
LLP	landowner liability protection
LUR	land use restriction
LUST	leaking underground storage tank
MCLs	maximum containment levels
mg/kg	milligram(s) per kilogram
mg/L	milligram(s) per liter
MHA	Memphis Housing Authority
msl	mean sea level

NA	not available from resources researched/not applicable
NFA	no further action
NP	not provided
PAH	polynuclear aromatic hydrocarbons/polycyclic aromatic hydrocarbons
PCB	polychlorinated biphenyl
RCRA	Resource Conservation and Recovery Act
REC	recognized environmental condition
RSLs	U.S. EPA Regional Screening Levels
SEMS	Superfund Enterprise Management System
SMP	Soil Management Plan
SP	subject property
SRP	State Remediation Program
SVOC	semi-volatile organic compound
TDEC	Tennessee Department of Environment and Conservation
TDSWM	Tennessee Division of Solid Waste Management
TPH	total petroleum hydrocarbons
$\mu g/m^3$	micrograms per cubic meter
U.S. EPA	United States Environmental Protection Agency
USGS	United States Geological Survey
UST	underground storage tank
VCP	Voluntary Cleanup Program sites
VEC	vapor encroachment
VI	vapor intrusion
VISLs	Vapor Intrusion Screening Levels
VOC	volatile organic compound

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EXECUTIVE SUMMARY

EnSafe Inc. performed a Phase I Environmental Site Assessment (ESA) of the Future Edgeview II property at 981 Peach Avenue, Memphis, Shelby County, Tennessee (subject property), in conformance with the ASTM *Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process* Designation E1527-21 (ASTM E1527-21). This Executive Summary provides an overview of the Phase I ESA findings with sufficient information to understand the conclusions and environmental professional opinion that resulted from interviews, records review, and a site reconnaissance on March 16, 2026.

Subject Property

- The subject property encompasses approximately 1.09 acres (proposed Lot 2) within a 3.82-acre parcel identified as Shelby County Parcel 051017-00021 (site property), occupying the undeveloped east portion of the collective site property parcel associated with 981 Peach Avenue. The subject property is owned by MHA and is planned for multi-family housing development within the Future Edgeview II phase in the Legends Park Subdivision.

- The subject property was developed as early as 1897 with multi-family residential buildings associated with the former Dixie Homes public housing development from 1950 until 2006, when the area was cleared for redevelopment within the Legends Park Subdivision. The subject property is currently vacant.

- The BVA Site ID 79-846S1 includes the subject property, including the west-adjoining property, with the collective parcel identified as the site property. The BVA outlines environmental conditions identified upgradient of these properties that include 1) chlorinated solvent and petroleum impacts to groundwater; and 2) the presence of hydrocarbons and dry-cleaning solvents in soil gas. Additionally, numerous sites in the subject property's surrounding area have reported releases of hazardous substances and/or petroleum products. An amended BVA (2026) indicates hazardous substances, solid wastes, and/or other pollutants are determined to be present on the site property to an extent that may not have yet been fully characterized.

- The subject property is subject to Land Use Restrictions that 1) prohibit the installation of water wells and use of groundwater at the subject property; 2) in the event of the discovery of contaminants in soil at the subject property, the soil must be managed in accordance with a TDEC-approved soil management plan; and 3) may require the installation of soil vapor mitigation systems on buildings constructed at the subject property.

- Minkie Jos, a former clothes cleaner and presser, was identified at the subject property circa 1921. No additional information was identified from records review or interviews; however, it is important to note that historical documents from the 2020 Phase I ESA identify a storefront at this address, which could potentially have been operated as a dry cleaner.

- Gordon Cleaners and Dyers, at the historically upgradient south-adjoining address of 311 Decatur Street, was identified as a former clothes cleaner and presser in the 1932 historical city directory. No additional information about the former potential dry cleaner has been identified.

- The subject property address of 981 Peach Avenue is not listed on environmental databases researched; however, the site property, including the subject property, is located within the Legends Park VCP/BVA site.

Surrounding Area Properties

- The subject property is located in a predominantly residential area, adjoined by Peach Avenue, Interstate 40, and residential parcels progressively to the north; to the east by residential parcels and Columbus Baptist Church; to the south by residential townhomes; and to the west by a developed senior-living apartment building (Edgeview at Legends Park). Historical records indicate the surrounding area was mostly developed for residential and sporadic commercial purposes as early as 1897.

- The west and south-adjoining properties are located within BVA Site ID 79-846. PAH-impacted soils were used as geotechnical fill material on the west-adjoining (site) property. In accordance with BVA Site ID 79-846, to prevent exposure to the PAH contaminants, the soil is contained beneath an orange witness barrier and clean fill material.

Environmental Professional Opinion

This assessment has identified the following *recognized environmental conditions, controlled recognized environmental conditions,* and *significant data gaps* in connection with the subject property:

- The current BVA and the number of sites in the subject property area with reported releases of hazardous substances and/or petroleum products constitute a REC.

- The subject property is subject to Land Use Restrictions, which are considered a CREC.

- The absence of information associated with Minkie Jos, a former clothes cleaner and presser, likely operating at the subject property circa 1921, is considered a *significant data gap*.

- The absence of information associated with Gordon Cleaners and Dyers, at the historically upgradient south-adjoining address of 311 Decatur Street, is considered a *significant data gap*.

This Executive Summary is an excerpt of a detailed Phase I ESA report that includes elements necessary for proper interpretation, including definitions, limitations, exceptions, and deviations to ASTM E1527-21 and established scope of work. As such, the Executive Summary should not be used independently of the Phase I ESA report.

1.0 INTRODUCTION

EnSafe Inc. was retained by PennRose to conduct a Phase I ESA of the Future Edgeview II property at 981 Peach Avenue in Memphis, Shelby County, Tennessee (subject property), as shown in Figure 1 (Appendix A) Site Location Map.

The subject property encompasses 1.09 acres (proposed Lot 2) within a 3.82-acre parcel identified as Shelby County Parcel 051017-00021 (site property), occupying the undeveloped east portion of the collective site property parcel associated with 981 Peach Avenue. The subject property is planned for multi-family housing development within the Future Edgeview II phase of the Legends Park Subdivision, accompanying the west-adjoining multi-family structure encompassing the remaining approximately 2.73 acres of the site property parcel, collectively owned by MHA. Figure 2 (Appendix A) is a Site Layout Map, which shows the subject property layout and key site features. Significant features of the subject property are detailed in Sections 2 and 3.

The subject property is in a predominately residential area, adjoined by the properties detailed in the table below. Additionally, the subject property is within the 30.91-acre Legends Park Subdivision (former Dixie Homes housing complex). Figure 3 (Appendix A) is a Site Vicinity Map.

Direction	Parcel Identification/Address	General Description (e.g., type of property, uses, occupants)
North	051018 00020 0 Peach Avenue	• Owned by Emanuel Baptist Church • Vacant grass-covered parcel • 0.16 acre
	051018 00018 0 Decatur Street	• Owned by the State of Tennessee • Vacant grass-covered parcel with a portion of a pedestrian overpass • 0.05 acre
East	020088-00001 1027 Peach Avenue	• Owned by Faye M. Green • Developed with a 2,215-square-foot single-story apartment building • 0.14 acre
	020088-00023 346 Decatur Street	• Owned by Faye M. Green • Vacant grass-covered parcel • 0.12 acre
	020088-00017C 324 Decatur Street	• Owned by Columbus Baptist Church • Developed with an approximately 8,800-square-foot church and associated paved parking area • 1.31 acres
South	051017-00022 942 Peach Avenue	• Owned by MHA • Subdivided, vacant grass-covered parcel associated with 942 Peach Avenue parcel (northwest) • Approximately 0.14 acre

Direction	Parcel Identification/Address	General Description (e.g., type of property, uses, occupants)
	051017-00007 0 Decatur Street	• Owned by MHA • Developed with four townhome structures (ranging from approximately 2,600 to 3,400 square feet) and an associated 8,200-square-foot paved parking area • Occupied townhome structures include addresses 313 Decatur Street and 992 through 1010 Delmar Avenue (even) • 1.15 acres
West	051017-00021* 981 Peach Avenue	• Owned by MHA • West portion of the site property parcel, developed with an approximately 21,625-square-foot senior-living apartment building, identified as Edgeview at Legends Park, with an associated 15,500-square-foot paved parking area enclosed by metal fencing • Consists of the remaining 2.73 acres of the collective 3.82-acre site property parcel

Note:
* Only the east portion of the parcel (proposed Lot 2) associated with 981 Peach Avenue is included in the subject property.

1.1 Purpose

The subject property was assessed with respect to the range of contaminants within the scope of CERCLA and petroleum products. The ASTM *Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process* Designation E1527-21 (ASTM E1527-21) is the current industry standard used to define good commercial and customary practice for conducting an ESA of a parcel of commercial real estate. In accordance with ASTM E1527-21, this Phase I ESA is intended to identify evidence of the following.

- *Recognized environmental condition* or REC — "(1) the presence of hazardous substances or petroleum products in, on, or at the subject property due to a release to the environment; (2) the likely presence of hazardous substances or petroleum products in, on, or at the subject property due to a release or likely release to the environment; or (3) the presence of hazardous substances or petroleum products in, on, or at the subject property under conditions that pose a material threat of a future release to the environment."

- *Controlled recognized environmental condition* or CREC — "a *recognized environmental condition* affecting the subject property that has been addressed to the satisfaction of the applicable regulatory authority or authorities with hazardous substances or petroleum products allowed to remain in place subject to implementation of required controls (for example, activity and use limitations or other property use limitations)."

- *Historical recognized environmental condition* or HREC — "a previous release of hazardous substances or petroleum products affecting the subject property that has been addressed to the satisfaction of the applicable regulatory authority or authorities and meeting unrestricted use criteria established by the applicable regulatory authority or authorities without subjecting the subject property to any controls (for example, activity and use limitations or other property use limitations). A *historical recognized environmental condition* is not a *recognized environmental condition*."

- *De minimis condition* — "a condition related to a release that generally does not present a threat to human health or the environment and that generally would not be the subject of an enforcement action if brought to the attention of appropriate governmental agencies. A condition determined to be a *de minimis condition* is not a *recognized environmental condition* nor a *controlled recognized environmental condition*."

1.2 Scope of Services

The Phase I ESA includes the following elements:

- Reconnaissance of the subject property on March 16, 2026, by Mr. Kevin Staggs of EnSafe. Select photographs taken during the site reconnaissance are in a Photo Log in Appendix B.

- Interviews with personnel by Mr. Staggs of EnSafe, discussed in Section 2.

- Review of the following standard historical resources for the subject and adjoining properties; select copies are provided in Appendix C or as noted in Table 1.

Table 1
Standard and Other Historical Sources

Historical Resource	Date(s) and Source(s)	SP	AP	Appendix [or NA/NP]
Topographic maps	1916 to 2022 — third-party topographic map report	☒	☒	C
	1925 to 2019 — topographic maps from NETROnline	☒	☒	NP
Aerial photographs	1937 to 2023 — third-party aerial photograph report	☒	☒	C
	1997 to 2026 — aerial imagery from Google Earth	☒	☒	NP
	1958 to 2023 — aerial imagery from NETROnline	☒	☒	NP
Local street directories	1924 to 2024 — third-party city directory report	☒	☒	C
Fire insurance maps	1897 to 1952 — third-party fire insurance map report	☒	☒	C

Table 1 Standard and Other Historical Sources				
Historical Resource	**Date(s) and Source(s)**	**SP**	**AP**	**Appendix [or NA/NP]**
Property deeds/Building records	Records obtained on March 12, 2026, from the Shelby County Register of Deeds online database included: Ownership, lien, LUR, and site property building records.	☒	☒	F
Property tax files	Records obtained on March 12, 2026, from the City of Memphis and Shelby County Trustee online tax databases included: • Historical tax information for the subject property	☒	☐	F

- Review of physical setting resources provided by a commercial database search company, which included the most recent USGS 7.5-Minute topographic map, in Appendix D.

- Review of standard and additional federal, state, and local government records for the subject property and properties within ASTM E1527-21 AMSDs. Database search information is provided in Appendix E.

- Review of historical, physical setting, and regulatory information from previous Phase I ESAs that include the subject property (EnSafe: November 2020, February 2022, September 2022, January 2023, June 2023). The most recent reports (June and January 2023) are included in Appendix G; the January 2023 Phase I ESA is included in Appendix F of the June 2023 Phase I ESA.

- Review of the historical resources (i.e., USGS topographic maps, aerial photographs, fire insurance maps, and city directories), land-use and TDEC regulatory records included in prior Phase I ESAs.

- Review of regulatory information available from the U.S. EPA Envirofacts website and TDEC DoR and DUST online map viewers. Select information for the subject property is provided in Appendix F.

- Review of information from the websites listed in Section 6.

1.3 Client Information and User Responsibilities

EnSafe was retained by PennRose (user) to conduct the Phase I ESA. According to ASTM, the user shall make known the reason for the Phase I ESA. In contracting EnSafe for the Phase I ESA, as documented in the User Questionnaire included in Appendix G, Mr. Matthew Battin, on behalf of PennRose, indicated the Phase I ESA was being conducted to obtain financing.

1.4 Non-Scope Items

At the request of PennRose, and as documented in Appendix G, EnSafe's Phase I ESA scope of work was not expanded to include consideration of environmental issues that are beyond the scope of ASTM E1527-21.

1.5 Qualifications

Appendix H includes a resume that documents the qualifications of the EP responsible for this Phase I ESA.

2.0 INTERVIEWS

2.1 Owners, Operators, Occupants, Key Site Manager, Local Officials

Table 2 lists personnel interviewed, indicates their association with the subject property or this Phase I ESA, and summarizes topics discussed and information provided.

Table 2
Summary of Interviews

Interviewee Name and Title or Affiliation	ASTM E1527-21 Association with Subject Property	Date	Content/Section Discussed
Ms. Deborah Payne MHA	Key Site Manager	March 15 – March 25, 2026	Provided information regarding historical and current subject property uses. Information is discussed in Section 2.1.1 and throughout the report.
Ms. Luretha Phillips MHA	Current Owner Representative	March 15, 2026	Provided information regarding current and historical subject property operations and development. Information provided is discussed throughout the report. According to Ms. Phillips, the subject property is proposed as Lot 2 of the subdivided site property parcel.
Ms. Rachel Meredith TDEC DERP	State/Local Official	March 30, 2026	Ms. Meredith indicated neither TDEC DoR nor DERP has documented dry cleaners associated with 981 Peach Avenue (subject property/site property).
Ms. Deborah Claxton City of Memphis Division of Fire Services – Fire Prevention Bureau	Local Official	March 30, 2026	Ms. Claxton indicated the Fire Prevention Bureau has no records of hazardous storage, spill/release responses, or UST/ASTs associated with the site property address. No records of outstanding violations were identified, according to Ms. Claxton.

2.1.1 Key Site Manager Interview

Ms. Deborah Payne, representative of MHA, provided EnSafe with an interview questionnaire completed on March 25, 2026, included in Appendix G. EnSafe communicated with Ms. Payne on multiple occasions via phone and email, beginning March 15, 2026, through March 25, 2026. According to Ms. Payne, MHA has owned the site property since April 1953, indicating the previous owner was United States Home and Housing Finance Agency and Public Housing Administration.

Reportedly, the site property parcel at 981 Peach Avenue has recently been platted as a subdivided 1.09-acre lot, identified as Lot 2 (subject property), and submitted to the Shelby County Land Use and Development Services department for approval. Ms. Payne states, "The address for the future development site [Lot 2] has not been assigned and the address listed [981 Peach Avenue — site property] is the address for Edgeview Phase I", referring to the west-adjoining senior apartment building. Reportedly, Legends Park Senior, LLC, was the site property lessee during construction of the west-adjoining apartment building and remains the current tenant. "Until the parcel is subdivided, Legends Park Senior LLC is listed as both the previous and current tenant of the parcel. Once subdivided, the current tenant will change to Legends Park Senior II, LLC", according to Ms. Payne.

Ms. Payne also indicated that MHA will retain ownership of the subject property, while the User will act as the developer of the proposed multi-family apartment building on the subject property. Ms. Payne is unaware of any current or historical storage tanks, hazardous substance storage, unauthorized dumping/disposal, or hazardous waste generation occurring on the subject property. Ms. Payne acknowledged that the subject property use(s) have not changed since the prior 2023 Phase I ESAs.

2.1.2 Interview Data Gaps

The following data gaps relative to interviews were encountered:

- EnSafe did not interview past owners of the subject property because contact information was not identified. Given the reported date of MHA ownership, the information to be obtained is likely duplicative of information already obtained from other sources or resources.

2.2 Helpful Documents

EnSafe requested the following helpful documents on March 17, 2026, from the User, subject property owner representative, and key site manager. Table 3 summarizes the interviewed person's knowledge of the availability of such documents and whether copies were provided to EnSafe for review.

Table 3
Helpful Documents

Document or Report Type	Available (Yes/No)			Reviewed (Yes/No/ NA/NP)
	User	Subject Property Owner	Key Site Manager	
Environmental site assessments	**Yes**	No	No	**Yes**
Environmental site investigations	**Yes**	No	No	**Yes**
Environmental compliance audits	No	No	No	NA
Environmental permits	**Yes**	No	No	**Yes**
Storage tank registrations	No	No	No	NA
Safety data sheets	No	No	No	NA
Community right-to-know plans	No	No	No	NA
Underground injection system registrations	No	No	No	NA
Safety plans	No	No	No	NA
Facility response plans	No	No	No	NA
Spill prevention, control, and countermeasures plan	No	No	No	NA
Stormwater pollution prevention plans	No	No	No	NA
Hydrogeologic condition reports	No	No	No	NA
Cleanup activities	No	No	No	NA

Table 3 Helpful Documents				
	Available (Yes/No)			Reviewed (Yes/No/ NA/NP)
Document or Report Type	User	Subject Property Owner	Key Site Manager	
Notices/correspondence from government agency relating to past or current violations of environmental laws	No	No	No	NA
Hazardous waste generator notices	No	No	No	NA
Geotechnical studies	No	No	No	NA
Risk assessments	No	No	No	NA
Recorded AULs/environmental liens	No	No	No	NA
Pending, threatened, or past litigation, administrative proceedings, and notices from government entity regarding violation of environmental laws or liability relating to hazardous substances or petroleum products	No	No	No	NA

The User, subject property owner representative, and key site manager each indicated that all known subject property records have been provided to EnSafe during previous environmental assessments. Prior environmental assessments for the site property have been conducted since 2003, including six Phase I ESAs, soil sampling summaries, and Phase II ESA investigations. Reports summarized in this section are those evaluating the collective site property and subject property. Findings for the entire Legends Park Subdivision site are summarized in Section 3.4. A copy of the prior June 2023 Phase I ESA, October 2025 Soil Removal Report, and February 2026 BVA are included in Appendix G.

November 2020 — Phase I Environmental Site Assessment

A Phase I ESA for the approximate subject property boundary was performed in November 2020 (EnSafe 2020). The Phase I ESA identified that Legends Park Subdivision (including the subject property) lies within the Dixie Homes State Remediation Program (SRP) site 79-846 (discussed in Section 3.4); additionally, a Notice of Land Use Restriction was imposed on the Legends Park Subdivision as an institutional control to address groundwater contamination. The 2020 Phase I ESA identified the following *recognized environmental condition* and *controlled recognized environmental condition*:

- *"Given the BVA and number of sites in the subject property area with reported releases of hazardous substances and/or petroleum products, the potential exists for regional groundwater contamination which constitutes a recognized environmental condition for the subject property."*

- *"The subject property is subject to Land Use Restrictions that 1) prohibit the installation of water wells and use of groundwater at the subject property, 2) in the event of the discovery of contaminants in soil at the subject property, the soil must be managed in accordance with a TDEC-approved soil management plan, and 3) may require the installation of soil vapor mitigation systems on buildings constructed at the subject property. Therefore, the land use restrictions are considered a controlled recognized environmental condition."*

December 2021 — Phase II Environmental Site Assessment

In December 2021, a Phase II ESA was conducted to evaluate the site for potential chemicals of concern associated with historical operations. Five soil borings (SB01-SB05) were advanced at the site property portion of the Brownfields Voluntary Agreement (BVA) site (EnSafe 2021). Two soil samples were collected from each soil boring location, and each was converted into a temporary monitoring well to collect a groundwater sample. Additionally, soil gas samples were collected from five locations across the site property.

Metals data identified arsenic and chromium concentrations in soil above residential and industrial RSLs. Arsenic concentrations exceeded the Tennessee background level (10 mg/kg; TDEC 2001) in a single soil sample from 16 to 20 feet bgs. Chromium concentrations exceeded the Tennessee background level (20 mg/kg; TDEC 2001) in soil samples from three separate soil borings from 24 to 32 feet bgs. The Phase II ESA report concluded that the concentrations of arsenic and chromium were not statistically higher than the Tennessee background levels. PAH data identified benzo(a)pyrene concentrations in soil from 4 to 8 feet bgs in one soil boring above residential and industrial RSLs. All other detected concentrations in soil were below RSLs, including VOCs and extractable petroleum hydrocarbons.

Groundwater samples did not have detected concentrations of metals, VOCs, PAHs, or extractable petroleum hydrocarbons above their respective U.S. EPA maximum contaminant level or tapwater RSLs.

Five soil gas samples (SG01-SG05) were collected throughout the site property. The VOC data identified benzene (13.8 µg/m^3) and naphthalene (26.8 µg/m^3) concentrations in one soil gas sample location (SG01) above the U.S. EPA residential VISLs of 12 µg/m^3 for benzene and 2.75 µg/m^3 for naphthalene. Additionally, naphthalene exceeded the commercial VISL of 12 µg/m^3. Concentrations detected at SG01 also exceeded the maximum U.S. EPA VISL carcinogenic risk, a calculated and location-specific unitless quotient, of 1E-05 with a risk of 1.20E-05. The Phase II ESA report concluded vapor mitigation should be considered for future development within sample area SG01

(southeast corner of the site property), and the future use of the site property will dictate further recommendations for, but not limited to, a passive mitigation system or vapor barrier.

February 2022 — Phase I Environmental Site Assessment

A Phase I ESA conducted in February 2022 included ASTM 2013 non-scope items concerning National Environmental Policy Act environmental factors (EnSafe 2022). The Phase I ESA identified the same *recognized environmental condition* related to the BVA and surrounding area properties and the same *controlled recognized environmental condition* related to the Notice of Land Use Restriction detailed in the 2020 Phase I ESA. Additionally, the February 2022 Phase I ESA stated the ASTM 2013 non-scope issues related to compliance with the National Environmental Policy Act were assessed under National Housing Trust Fund guidance, and the project was found to comply with ASTM non-scope issues.

September 2022 — Phase I Environmental Site Assessment

In September 2022, an update to the February 2022 Phase I ESA was conducted. The update revealed no new findings, identifying the same *recognized environmental condition* related to the BVA and surrounding area properties and the same *controlled recognized environmental condition* related to the Notice of Land Use Restriction detailed in the previous Phase I ESAs.

January 2023 — Phase I Environmental Site Assessment

In January 2023, an update to the September 2022 Phase I ESA was conducted. The update revealed no new findings, identifying the same *recognized environmental condition* related to the BVA and surrounding area properties and the same *controlled recognized environmental condition* related to the Notice of Land Use Restriction detailed in the previous Phase I ESAs.

March 2023 — Soil Gas Sampling Report

In March 2023, EnSafe performed soil gas sampling within the planned building footprint (currently Edgeview at Legends Park) on the west-adjoining portion of the site property parcel. Seven soil gas samples (SG06-SG12) were collected. A total of 23 VOCs were reported with detected concentrations within the seven samples. The laboratory analytical results were compared to U.S. EPA VISLs for residential air, and risk screening was evaluated using U.S. EPA's VISL calculator. Each detected concentration was below its respective VISL and 1E-5 for carcinogenic risk and a hazard quotient of 0.1. EnSafe concluded that the calculated carcinogenic risk and hazard quotient were below levels that would prompt TDEC to require response actions (i.e., installing a vapor mitigation system).

March 2023 — Soil Sampling for Lead and Asbestos Report

In March 2023, EnSafe performed soil sampling to ensure asbestos and lead did not remain onsite. This report summarized the laboratory analytical results for 24 surface (0 to 1-foot bgs) and 12 subsurface (1 to 3 feet bgs) soil samples collected for lead and asbestos analysis. Lead concentrations were below the residential RSL in each soil sample collected. Asbestos was not detected in any of the soil samples. No further action was recommended for lead and asbestos in soil at the site property (including the subject property).

May 2023 — Soil Sampling for Volatile Organic Compounds, Polycyclic Aromatic Hydrocarbons, and Metals

In April 2023, EnSafe performed soil sampling to determine if VOCs, PAHs, and RCRA metals remained in the site property soil at concentrations causing potential human health risks. This report summarized the laboratory analytical results for 22 surface soil samples (0 to 1-foot bgs) and 11 subsurface soil samples (1 to 3-feet, 3 to 4-feet, 4 to 5-feet, and/or 8 to 9-feet bgs) in the area where soil would be removed during construction activities. The collected soil samples (SB25 to SB46) were analyzed for VOCs, PAHs, and RCRA metal concentrations. VOCs were below the residential RSL in each soil sample collected.

Concentrations of arsenic exceeded residential RSLs at six sample locations, and concentrations of cadmium exceeded the residential RSL in one sample. Elevated metal concentrations were primarily identified in surficial soils.

Four PAHs were detected at concentrations exceeding residential RSLs in 14 sample locations, and benzo(a)pyrene exceeded the industrial RSL in one sample location. A subsequent risk assessment was conducted with PAH concentrations converted to a benzo(a)pyrene equivalency (BEQ), which was compared to the TDEC DOR residential soil screening value (1.15 mg/kg). The BEQ results were below the residential screening value for all soil samples, except SB25 from 0 to 1-foot bgs and SB42 from 0 to 1-foot bgs and from 1 to 3-feet bgs.

EnSafe concluded that, since the site will be cut and filled (i.e., soil will be moved around the site to adjust site elevations), the soil sample locations with the highest concentrations can be moved to areas covered by hardscape or removed from the site.

June 2023 — Phase I Environmental Site Assessment

In June 2023, an update to the January 2023 Phase I ESA was conducted by EnSafe. The update revealed no new findings, identifying the same *recognized environmental condition* related to the

BVA and surrounding area properties and the same *controlled recognized environmental condition* related to the Notice of Land Use Restriction detailed in the previous Phase I ESAs.

October 2025 — Soil Removal Report

According to an October 2025 Soil Removal Report prepared by EnSafe, original plans called for the excavation and placement of impacted soils beneath engineered barriers (e.g., building foundation). The original plans were modified to excavate impacted soils in selected locations and dispose of them in accordance with applicable federal, state, and local requirements. A SMP was submitted to TDEC DoR in December 2023, which specified the modified plan. The SMP was approved by TDEC DoR on January 7, 2024. As a result, in January 2024, EnSafe performed oversight, extent sampling, and coordinated transport and disposal of three areas:

- SB25: Performed removal of PAH-impacted soil and elevated soil gas at the identified impacted location SB25/SG01 (subject property).

- SB28: Performed removal of arsenic- and chromium-impacted soil at the identified location SB28 (subject property).

- SB42: Performed removal of PAH-impacted soil at identified location SB42 (site property).

Soil samples were collected before the excavations were initiated to confirm the extent of the impacted soil. The extent samples were collected on January 10, 2024, around locations SB25, SB28, and SB42 as shown on Figure 3 of the Soil Removal Report, included in Appendix G. An exceedance of the BEQ level of 1.15 mg/kg was detected at one location, SB42, at 1.78 mg/kg (west portion of the site property). An additional extent sample (SB42C- 03A) was collected on January 24, 2024, and the BEQ concentration (0.13 mg/kg) was below the approved 1.15 mg/kg threshold.

On January 29, 2024, EnSafe was onsite when impacted soils at SB25, SB28, and SB42 were removed from the three locations for offsite disposal. The soil was directly loaded into dump trucks for transport and disposal at the Waste Management Tunica County Landfill in Robinsonville, Mississippi. Onsite soil was reworked to fill the excavation.

Based upon the proposed expansion of the site property building (Edgeview at Legends Park), including proposed construction of an additional senior housing facility on the subject property (Edgeview II), EnSafe prepared a revised SMP, dated August 2025. The SMP has been established to ensure that any soil excavated during any redevelopment activities is screened, sampled, handled,

transported, and disposed of (if necessary) in accordance with applicable federal, state, and local requirements/guidelines. The 2025 SMP has been submitted to TDEC for approval, in accordance with February 2026 BVA requirements, as discussed below.

February 2026 — Updated BVA

The previous BVA included the site property and a larger south-adjoining parcel (2009 BVA 79-846A) The 2026 Amended and Restated BVA specifically addresses the site property parcel (including the subject property) located at 981 Peach Avenue, Memphis, Shelby County, Tennessee (the "Site"), effective February 12, 2026. The Site has been assigned site number 79-846S1, superseding and replacing the 2009 BVA. The 2026 BVA is included in Appendix G. Figures depicting the site property boundaries are included in Exhibit A of the 2026 BVA.

According to the 2026 BVA, the site property was accepted into the Brownfield Projects Voluntary Cleanup Oversight and Assistance Program on February 9, 2023, listing the User and Legends Park Senior LLC as recognized "successor parties". The 2026 BVA states, "Real or perceived hazardous substances, solid wastes, or other pollutants are determined to be present on this Site to an extent that may or may not have yet been fully characterized".

The 2026 BVA summarizes all of the abovementioned environmental assessments, and includes the following excerpts of agreed actions to be taken by the successor parties, adhering to standing LURs:

- *"Prepare and implement a soil management plan to be approved by the Department* [TDEC] *for land disturbance activities occurring after the completion of development activities at the Site"*. The SMP has been submitted to TDEC for approval as of the date of this assessment.

- *"Upon completion of the land disturbance work associated with the redevelopment of the Site, the Voluntary Parties agrees to submit to the Department a report on the land disturbance work, including any waste manifests evidencing offsite disposal, if any, of soils or other materials".*

- *"Environmental assessment activities conducted by or on behalf of the Voluntary Parties have demonstrated that vapor intrusion mitigation is not required for the building to be constructed as part of the planned development"…"A plan for the design of the vapor intrusion mitigation system was submitted to the Department on or about February 7, 2023".*

- *"Before constructing any additional building or the expansion of the existing building"…"an assessment of the risk of vapor intrusion shall be conducted pursuant to a plan approved by the Department. If a vapor mitigation system is determined by TDEC to be warranted based upon the data evaluation in order to safely allow occupancy of such additional buildings or an expansion to the planned building, such construction or expansion is prohibited until such structure(s) are equipped with an appropriate passive or active mitigation system as proposed by the Property owner and approved by TDEC".*

3.0 SUBJECT PROPERTY

Subject property information discussed below was obtained from historical resources identified in Section 1.2 and referenced in Section 6.

3.1 Historical Records Review

The historical records review was conducted to identify evidence of RECs in connection with past uses of the subject property.

3.1.1 Historical Development

The earliest historical resource reviewed is an 1897 fire insurance map, which shows the subject property developed with four residences across the east portion. The 1907 fire insurance map depicts two additional structures in the northeast portion of the subject property, two shop buildings along the east property boundary, and multiple small structures in the west portion of the subject property, likely associated with residences on the west-adjoining property (site property). In the 1937 aerial photograph, the subject property appears to have been cleared and graded for re-development; the west-adjoining property already appears to have been redeveloped with multi-family residential/apartment buildings. The 1951 and 1952 fire insurance maps indicate apartment buildings (Dixie Homes Apartments) were constructed on the subject property in 1950. The subject property remains relatively unchanged in subsequent aerial photographs reviewed through 2006, except for the construction of Interstate 40 and the rerouting of Peach Avenue along the north subject property boundary between 1969 and 1973. By 2007, the buildings have been removed, and the subject property appears to be a vacant, unpaved, grass-covered lot. The 2010 aerial photograph depicts the subject property cleared of most vegetation in preparation for development, with several excavators visible to the west. Aerial photographs indicate the subject property remained vacant and grass-covered from 2012 to 2023. In 2024 and March 2025 Google Earth aerial imagery, the subject property appears to be stripped of vegetation and graded as part of from west-adjoining construction activities, appearing to contain benched terrain indicative of fill soil placement visible in November 2025 imagery.

The 1897 Fire Insurance Map depicts the subject property residential lots associated with 199 to 205 Decatur Street (east portion); and 2 to 12 King Street (west portion). City directories (1907, 1951, 1952) indicate residential use associated with 321 to 347 Decatur Street (east portion); and 328 to 340 King Street (west portion). The 2020 Phase I ESA (EnSafe 2020) identified one subject property address, 335 Decatur Street, as Minkie Jos, a potential former dry cleaner in the 1921 city directory, which is not listed in the earliest city directory reviewed for this assessment

(1924). The present-day subject property address of 981 Peach Avenue is only identified in 1940, 1943, 1948, 1954, and 1961 listings (all residential).

Current operations are discussed in Sections 3.2 and 3.3.

3.1.2 Data Failure

ASTM E1527-21 Section 8.3.8 requires identifying all obvious uses of the subject property from the present, back to the property's first developed use, or back to 1940, whichever is earlier. The earliest useful historical resource that shows the subject property developed is the 1897 Fire Insurance Map, which shows the subject property with residential structures primarily across the east portion. The failure to obtain historical documentation dating back to the property's first developed use is considered a data failure.

Minkie Jos, a former clothes cleaner and presser, has been identified at the subject property in environmental database records (EnSafe 2020) and historical city directories for the year 1921 (EnSafe 2020). No additional information was provided in the database records; however, it is important to note that historical documents from the 2020 Phase I ESA identify a storefront at this address, which could potentially have been operated as a dry cleaner. The absence of information obtained from reasonably ascertainable historical records and interviews related to former Minkie Jos operations circa 1921 precludes EnSafe's ability to identify RECs; therefore, this is considered a *significant data gap*.

Table 6 identifies standard historical resources that were not obtained or reviewed and explains why.

Table 6
Historical Resources Not Reviewed

Standard Historical Source	Reason(s) Not Reviewed
Interviews with former occupant(s)	Contact information was not identified.

3.2 Site Reconnaissance — Current Subject Property Uses

The subject property was visually assessed on March 16, 2026, by Kevin Staggs of EnSafe. The purpose of the reconnaissance was to determine current uses and to identify evidence of RECs in connection with the subject property. EnSafe personnel walked throughout the interior and exterior of the subject property. The subject property was also viewed from adjacent public thoroughfares. Observations made of adjoining properties during the reconnaissance of the subject property are discussed in Section 4.1. Representative photographs taken during the site visit are in Appendix B.

The subject property consists of a vacant 1.09-acre lot, reportedly proposed as Lot 2 within the collective site property parcel. The subject property contains fill soil overlain by bladed grass. No obvious uses or visible utilities were observed during site reconnaissance. Windblown trash (e.g., food wrappers, drink containers, general refuse) was observed along the east and south perimeter of the subject property.

3.3 Interior and Exterior Observations

Table 7 lists features, activities, uses, and conditions applicable to the subject property based on EnSafe's visual observations of the interior and exterior and interviews.

Table 7
Site Reconnaissance — Summary of Observations and Interviews

Features, Activities, Uses, and Conditions	Observed Yes/No	Identified by Interview Yes/No	Comment/Report Section
Hazardous substances and petroleum products	No	No	—
Storage tanks	No	No	—
Strong, pungent, or noxious odors and their sources	No	No	—
Standing surface water, pools, or sumps	No	No	—
Drums, totes, and intermediate bulk containers	No	No	—
Unidentified substance containers	No	No	—
Electrical or hydraulic equipment known to contain or likely to contain PCBs	No	No	—
Means of heating and cooling subject property buildings, including fuel source(s)	No	No	—
Stains or corrosion on floors, walls, and ceilings	No	No	—
Drains and sumps	No	No	—
Pits, ponds, or lagoons	No	No	—
Stained soil or pavement	No	No	—
Stressed vegetation	No	No	—
Solid waste indicative of onsite disposal	No	No	—
Water/wastewater	No	No	—
Wells	No	No	—
Septic systems or cesspools	No	No	—

3.4 Environmental Records Review

EnSafe obtained standard environmental record resource information directly from a commercial service, TDEC data viewers, and U.S. EPA databases. The subject property address of 981 Peach Avenue is not listed on environmental databases researched.

The Legends Park Subdivision (former Dixie Homes), which includes the subject property, was identified on the TDEC VCP, SRP, INST, and LUR databases.

The subject property is part of the Legends Park Subdivision/former Dixie Homes TDEC VOAP site. According to a Phase I ESA interview (EnSafe 2023) with Ms. Alison Campany at TDEC DoR, the MHA has entered into multiple BVAs to address impacts to soil, soil gas, and groundwater on various lots within the Legends Park Subdivision that are planned for future residential development and use. Based on the regulatory information reviewed, TDEC DoR site ID 79-846 includes the subject property. According to an updated BVA (February 2026), as discussed in Section 2.2.1, the DoR site ID is now identified as 79-846S1.

The BVA executed on September 29, 2009, outlines environmental conditions identified hydrologically upgradient of the site property that include 1) chlorinated solvent and petroleum impacts to groundwater, and 2) the presence of hydrocarbons and drycleaning solvents in soil gas. Based on TDEC records reviewed, groundwater samples were collected from two sentinel wells (SW-1 and SW-2) on the southwest corner of the BVA site, not on the subject property or site property, between October 2010 and July 2012 for analysis of VOCs. Chlorinated solvent detections exceeded the U.S. EPA drinking water MCLs. TDEC records indicate VOC impacts to BVA site groundwater likely originated from historical uses associated with properties farther south.

Because the BVA site may not have been fully characterized, a Notification of Land Use Restrictions was imposed, as discussed in Section 2.2.1. As it applies to the subject property, the land use restriction 1) prohibits the installation of water wells and use of groundwater at the subject property, 2) in the event of the discovery of contaminants in soil at the subject property, other than PAHs, the soil must be managed in accordance with a TDEC-approved soil management plan, and 3) may require the installation of soil vapor mitigation systems for buildings constructed at the subject property.

EnSafe requested regulatory records/files for the subject property from agencies listed in Table 8. Table 8 lists the agency from which information was requested, date of request, date of response, and information provided or not available, as indicated by the agency response.

Table 8
Summary of Records Requests

Agency	Records Requested	Request Date	Response Date	Response/Section Discussed
TDEC DoR/DERP	Records pertaining to spills/remediation/tanks/ waste manifests associated with the subject property	March 27, 2026	March 30, 2026	Section 2.1.

Table 8
Summary of Records Requests

Agency	Records Requested	Request Date	Response Date	Response/Section Discussed
TDEC DUST	Records associated with storage tanks, spills/releases, and remediation for the subject property	March 27, 2026	March 31, 2026	No records were identified for the subject property.
Memphis Fire Prevention Bureau	Records associated with registered tanks, bulk hazardous material/petroleum storage, spills/releases, and/or emergency responses for the subject property	March 27, 2026	March 30, 2026	Section 2.1.

3.5 Physical Setting Resources

Based on review of the 2022 Northwest Memphis, Tennessee topographic map, the subject property elevation is at approximately 255 to 270 feet amsl. Overall topography at the subject property and surrounding area is relatively flat with slight relief towards the north-northwest. The center of the subject property is elevated and flat with graded slopes around the perimeter.

Five soil borings installed in 2021 to depths of 28 to 32 feet bgs encountered predominantly silty clay on the site property. Limited intervals of silty clay with gravel and sand or with pebbles and gravel were encountered in some of the borings. Alternating clay and silty clay were also encountered in a few borings at depths greater than 20 feet bgs. Groundwater was observed at 12 to 25 feet bgs in 2021 (EnSafe 2021).

3.6 Activity and Use Limitations

EnSafe reviewed federal, state, and tribal standard environmental record resources obtained directly from a commercial service. The subject property is part of the Legends Park Subdivision/former Dixie Homes and is subject to land use restrictions, as detailed in Sections 2.2.1 and 3.4.

4.0 AREA RECONNAISSANCE

The current and historical uses of adjoining and surrounding area properties described in this section are based upon visual observations during the site reconnaissance and information obtained from interviews and historical and environmental records review. Historical records obtained for the subject property, listed in Section 1.2/Table 1, that also cover adjoining properties include aerial photographs, topographic maps, city directories, and fire insurance maps.

4.1 Adjoining Properties — Historical Development and Uses

During EnSafe's site reconnaissance, discussed in Sections 3.2 and 3.3, adjoining properties were visually assessed from the subject property boundaries and from nearby roads and driveways.

The subject property is adjoined by Peach Avenue, Interstate 40, and residential parcels progressively to the north; to the east by Decatur Street, beyond which are residential parcels and Columbus Baptist Church; to the south by a developed parcel consisting of four townhome structures adjoined by an undeveloped vacant parcel; and to the west by a developed multi-family structure (Edgeview at Legends Park) encompassing the remaining site property parcel. Fire insurance maps indicate that adjoining properties were developed as early as 1897.

North

Based on historical records reviewed, the north-adjoining properties were primarily residential as early as 1897 and remained relatively unchanged through the early 1900s. The 1937 aerial photograph depicts residential structures associated with the former Dixie Homes subdivision in the current location of Peach Avenue and Interstate 40. The north-adjoining properties appear relatively unchanged until the construction of Interstate 40 and the rerouting of Peach Avenue between 1965 and 1973. The properties beyond Interstate 40 remain vacant.

East

The subject property is adjoined to the east by a developed residential parcel (1027 Peach Avenue), an associated undeveloped parcel (346 Decatur Street), and Columbus Baptist Church (324 Decatur Street). Based on historical records reviewed, the east-adjoining properties were residentially developed as early as 1897. Multi-family dwellings are depicted to the east on the 1907, 1951, and 1952 fire insurance maps. Aerial imagery suggests that multi-family dwellings historically located on the present-day vacant residential parcel were removed by 1973. City directories list addresses for the east-adjoining residential properties as residential from 1924 to 2000. 324 Decatur Street (Columbus Baptist Church) is listed in 1940 to 2024 city directories and first depicted on the 1951 fire insurance map.

South

The subject property is adjoined to the south by a developed parcel consisting of four townhome structures adjoined by an undeveloped vacant sub-divided parcel. Based on historical records reviewed, the south-adjoining properties were primarily residential with some apparent shops as early as 1897 and 1907. The 1927 topographic map shows numerous small structures on the south-adjoining property, and by 1937, the property is redeveloped with residential structures associated with the former Dixie Homes. Based on historical records reviewed, the south-adjoining properties have remained residential, cleared for redevelopment circa 2007. According to Ms. Phillips, the present-day Legends Park Townhomes were constructed in 2009.

West

The subject property is adjoined to the west by site property parcel 051017-00021, which includes the subject property. Based on historical records reviewed, the west-adjoining property was previously developed with multi-family residential lots as early as 1897. The 1907 fire insurance map and 1927 topographic maps depict numerous small structures on the west-adjoining property. The 1937 aerial photograph shows structures associated with the former Dixie Homes from 1937 to 2006. The structures were removed, and the property was graded for redevelopment in 2007. According to Ms. Payne, the west-adjoining property was used to stockpile soil from the Legends Park Subdivision construction and environmental activities occurring from 2009 to 2012. The parcel remained vacant until construction on the present-day 21,625-square-foot senior-living apartment building, Edgeview at Legends Park, in 2024. By late 2025, the property was completed with asphalt-paved parking and metal exterior fencing, as observed present-day.

4.2 Adjoining Properties — Regulatory Agency File and Environmental Records Review

EnSafe used a commercial service company to obtain an environmental database search report that made environmental records reasonably ascertainable for adjoining and surrounding area properties. Standard environmental records source listings and regulatory agency files and records reviewed for adjoining properties are discussed in this section. Surrounding area sites identified on standard environmental records resources within ASTM-defined AMSDs are discussed in Section 4.3.

The south and west-adjoining properties are within the Legends Park Subdivision VCP/BVA site (former Dixie Homes) as previously discussed in Sections 2.2.1 and 3.4.

South — 311 Decatur Street

Gordon Cleaners and Dyers, at 311 Decatur Street, was identified as a former clothes cleaner and presser in the 1932 historical city directory. No additional information was identified in historical and

database resources obtained for this Phase I ESA; however, it is important to note that historical fire insurance maps identify a storefront at this address in 1907, and Gordon Cleaners and Dyers may have operated as a dry cleaner.

West — 981 Peach Avenue (Site Property)

The west-adjoining property is located within the Legends Park North/West VCP/BVA site within the larger Legends Park Subdivision BVA site, as previously discussed in Sections 2.2.1 and 3.4. Previous investigations indicate PAH-impacted soil was used as geotechnical fill material on the west-adjoining property. In accordance with BVA Site ID 79-846, to prevent exposure to the PAH contaminants remaining in the soil, an orange plastic witness barrier was placed over impacted soil, then covered with at least 2 feet of clean fill material, between June and October 2010.

4.3 Surrounding Area Properties

The environmental database search identified 33 sites beyond the subject property and adjoining properties. Of those sites, 9 are within the ASTM-defined AMSDs for their respective listings and are summarized in the table below. Based on information obtained from standard government environmental record sources, regulatory agency files, and/or records review, the remaining sites were not identified as having releases that have migrated, have likely migrated, or have the potential to migrate to the subject property.

Environmental Listings within ASTM-Defines AMSDs (Beyond Subject/Site Property and Adjoining Properties)				
Facility Name/Address	**Distance from SP (Miles)***	**Database Listing(s)**	**Status/Notes**	**Potential Impact to Subject Property**
Church's Fried Chicken 925 Poplar Avenue	0.32 SW	VCP and SRP	• Inactive, No Further Action Petroleum impacts in soil and shallow groundwater. • Groundwater flow reported to the north/northwest. • SRP issued no further action required for petroleum impacts on March 1, 2011.	Not expected to migrate to subject property based on site regulatory status, distance, and groundwater flow direction.
Memphis Bulk Plant 432 North Dunlap Street	0.32 WNW	LUST, VCP, and SRP	• Petroleum constituents detected in soil, soil gas, and groundwater. • Groundwater flows generally to the west. • Site-specific standards issued • TDSWM approves closure with land-use restrictions in 2005.	Not expected to migrate to subject property based on distance and groundwater flow direction.

Environmental Listings within ASTM-Defines AMSDs (Beyond Subject/Site Property and Adjoining Properties)				
Facility Name/Address	**Distance from SP (Miles)***	**Database Listing(s)**	**Status/Notes**	**Potential Impact to Subject Property**
Southern Steel 431 Dunlap Street	0.35 WNW	VPC, SRP, and IC	• No Further Action • Petroleum constituents detected in soil. VOCs and SVOCs detected in groundwater. • TDSWM approves closure with land-use restrictions in 2009.	Not expected to migrate to subject property based on site regulatory status, distance, and groundwater flow direction.
Memphis VA Medical Center 1030 Jefferson Avenue	0.36 S	SEMS and LUST	• One UST was removed in December 1998; TDEC DUST issued closure on November 5, 1999.	Not expected to migrate to subject property based on site regulatory closure and distance.
Memphis Mental Health Institute 865 Poplar Avenue	0.38 SW	VCP and SRP	• Site Closed • EPH detected in soil samples. • SRP issued no further action required status on November 17, 2009.	Not expected to migrate to subject property based on contamination being limited to soils and distance to subject property.
Air Mask Service Unit 1010 Faxon Avenue	0.43 N	LUST	• One 500-gallon diesel UST and associated piping were drained and capped in September 1991. • Soil sample results collected from tank pit were non-detect or below applicable action levels for petroleum constituents. • TDEC DUST issued case closure on February 26, 1996.	Not expected to migrate to subject property based on contamination being limited to soils, distance to subject property, and groundwater flow direction.
Amoco/Poplar BP 821 Poplar Avenue	0.44 WSW	LUST	• Petroleum impacts identified in soil and groundwater. • TDEC DUST issued contaminated case closure on August 28, 2015.	Not expected to migrate to subject property based on distance from the subject property and groundwater flow direction.
The Med Adam's Building 842 Jefferson Avenue	0.49 SW	LUST	• One 20,000-gallon UST and associated piping were drained and capped in July 1999. • TDEC DUST issued case closure on February 6, 2002.	Not expected to have had contamination that migrated to the subject property based on regulatory status and distance.
UTHSC Medical Center 956 Court Street	0.49 SSW	LUST	• Tank Closure • One 2,000-gallon double-walled steel off-road high sulfur diesel UST related to an emergency generator was closed-in-place on November 30, 2022. • No leaks were detected.	No contamination detected during closure procedures.

Note:
* Distances are approximate

Northeast — 370 Decatur Street

Young Auto Service, at 370 Decatur Street, was identified on the HIST RISK database as a former fuel and automotive garage in 1924, 1925 (Polks), and 1927 historical city directories. No additional information was identified in historical and database resources obtained for this Phase I ESA; however, it is important to note that the database search lists the address 0.06 mile northeast, and historical fire insurance maps identify this address at a geographic location likely beyond present-day Interstate-40.

Northwest — 947 Peach Avenue

947 Peach Avenue was identified on the HIST RISK database as a former clothes cleaner and presser in the 1924, 1927, and 1935 (Polks) city directories under the listing Prince Kershaw. No additional information was identified in historical and database resources obtained for this Phase I ESA; however, it is important to note that the database search lists the address 0.12 mile northwest relative to the subject property. Historical fire insurance maps do not identify this address within the mapped coverage obtained for this assessment.

4.4 Unplottable Properties

The environmental database search identified 11 unplottable sites beyond the subject property and adjoining properties. Of those sites, one is within the ASTM-defined AMSD for its respective listing. Based on information obtained from standard government environmental record sources, regulatory agency files, and/or records review, the remaining sites remain unplottable and could be within AMSDs, as discussed below.

An unplottable CERCLIS listing (EPA ID: TND980728422) was identified along with an associated CERCLIS NFRAP and SEMS ARCHIVE listing with a matching EPA identification number. No additional information was identified in historical and database resources obtained; however, the database search indicates the source and nature of the potentially hazardous waste site did not warrant further investigation.

5.0 RESULTS OF THE PHASE I ENVIRONMENTAL SITE ASSESSMENT

EnSafe performed a Phase I ESA of the Future Edgeview II property at 981 Peach Avenue, Memphis, Shelby County, Tennessee, in conformance with the scope and limitations of ASTM E1527-21. Any exceptions to, or deletions from, this practice mentioned throughout the report are described in Section 5.3.

5.1 Findings and Environmental Professional Opinion

This Phase I ESA identified the following:

- The subject property encompasses 1.09 acres (proposed Lot 2) within a 3.82-acre parcel identified as Shelby County Parcel 051017-00021 (site property), occupying the undeveloped east portion of the collective site property parcel associated with 981 Peach Avenue. The subject property is planned for multi-family housing development within the Future Edgeview II phase in the Legends Park Subdivision.

- The subject property was developed as early as 1897 with multi-family residential buildings associated with the former Dixie Homes public housing development from 1950 until 2006, when the area was cleared for redevelopment within the Legends Park Subdivision. The subject property is currently vacant.

- The BVA Site ID 79-846S1 includes the site property, including the west-adjoining property, with the collective parcel identified as the site property. The BVA outlines environmental conditions identified upgradient of these properties that include 1) chlorinated solvent and petroleum impacts to groundwater; and 2) the presence of hydrocarbons and dry-cleaning solvents in soil gas. Additionally, numerous sites in the subject property's surrounding area have reported releases of hazardous substances and/or petroleum products. An amended BVA (2026) indicates hazardous substances, solid wastes, and/or other pollutants are determined to be present on the site property to an extent that may not have yet been fully characterized.

- The subject property is subject to Land Use Restrictions that 1) prohibit the installation of water wells and use of groundwater at the subject property; 2) in the event of the discovery of contaminants in soil at the subject property, the soil must be managed in accordance with a TDEC-approved soil management plan; and 3) may require the installation of soil vapor mitigation systems on buildings constructed at the subject property. Therefore, the land use restrictions are considered a CREC.

- Minkie Jos, a former clothes cleaner and presser, has been identified at the subject property circa 1921. No additional information was identified from records review or interviews; however, it is important to note that historical documents from the 2020 Phase I ESA identify a storefront at this address, which could potentially have been operated as a dry cleaner. The absence of information obtained from reasonably ascertainable historical records and interviews related to former Minkie Jos operations circa 1921 precludes EnSafe's ability to identify RECs; therefore, this is considered a *significant data gap*.

- Gordon Cleaners and Dyers, at the historical south-adjoining address of 311 Decatur Street, was identified as former clothes cleaner and presser in the 1932 historical city directory. No additional information was identified from records review or interviews; however, it is important to note that historical fire insurance maps identify a storefront at this address in 1907 and Gordon Cleaners and Dyers may have operated as a dry cleaner. The absence of information obtained from reasonably ascertainable historical records and interviews related to former Minkie Jos operations circa 1921 precludes EnSafe's ability to identify RECs; therefore, this is considered a *significant data gap*.

- Five soil gas samples were collected throughout the subject property in 2021. Benzene and naphthalene were detected at concentrations exceeding the U.S. EPA residential VISLs in one sample location (SG01) on the southeast portion of the subject property. Additionally, concentrations in SG01 exceeded the acceptable residential carcinogenic risk quotient of 1E-05 with a result of 1.20E 05.

- In May 2023, soil samples were collected from across the site property, including the subject property. Analytical results identified concentrations of PAHs which exceeded residential RSLs. A subsequent risk assessment found benzo(a)pyrene equivalency to be below the residential screening value for all but one soil sample.

- The west and south-adjoining properties are located within BVA Site ID 79-846. PAH-impacted soils were used as geotechnical fill material on the west-adjoining property. In accordance with BVA Site ID 79-846, to prevent exposure to the PAH contaminants, the soil is contained beneath an orange witness barrier and clean fill material.

5.2 Conclusions

5.2.1 Recognized Environmental Conditions, Controlled Recognized Environmental Conditions, and Significant Data Gaps

This assessment has revealed the following RECs, CRECs, and *significant data gaps* in connection with the subject property:

- Given the BVA and the number of sites in the subject property area with reported releases of hazardous substances and/or petroleum products, the potential exists for soil and groundwater contamination, which constitutes a REC with regard to the subject property.

- The subject property is subject to Land Use Restrictions that 1) prohibit the installation of water wells and use of groundwater at the subject property; 2) in the event of the discovery of contaminants in soil at the subject property, the soil must be managed in accordance with a TDEC-approved soil management plan; and 3) may require the installation of soil vapor mitigation systems on buildings constructed at the subject property. Therefore, the land use restrictions are considered a CREC.

- Minkie Jos, a former clothes cleaner and presser, has been identified at the subject property circa 1921. The absence of information obtained from reasonably ascertainable historical records and interviews related to former Minkie Jos operations circa 1921 precludes EnSafe's ability to identify RECs; therefore, this is considered a *significant data gap*.

- Gordon Cleaners and Dyers, at the historical south-adjoining address of 311 Decatur Street, was identified as a former clothes cleaner and presser in the 1932 historical city directory. The absence of information obtained from reasonably ascertainable historical records and interviews related to former Minkie Jos operations circa 1921 precludes EnSafe's ability to identify RECs; therefore, this is considered a *significant data gap*.

5.2.2 Historical Recognized Environmental Conditions and *de minimis conditions*

This assessment has revealed no HRECs or *de minimis conditions* in connection with the subject property.

5.3 Data Gaps, Limiting Conditions, and Deviations

EnSafe's Phase I ESA conforms to ASTM E1527-21. EnSafe did not sample soil, soil vapor, groundwater, or surface water as part of the Phase I ESA. Assessment of these items is based upon visual observations and sources as referenced throughout the report. This report should not be

construed as verifying the present property owner or operator's compliance with federal, state, and local regulations or as a recommendation to purchase, sell, or develop the subject property. The following data gaps, limiting conditions, and deviations apply to this Phase I ESA:

- EnSafe did not interview past owners of the subject property because contact information was not identified. Given the reported date of MHA ownership, the information to be obtained is likely duplicative of information already obtained from other sources or resources.

5.4 Significant Assumptions

This report is a prudent, reasonable evaluation of the subject property's observed environmental condition. EnSafe assumes no responsibility for conditions or information not practically reviewable, or information not accurately disseminated by any party. EnSafe can neither warrant nor guarantee that environmental database information is accurate and complete. The following significant assumptions were used to formulate the conclusions and opinions contained in this report

- Groundwater flow generally follows topography.
- Conditions at the time of the site visit were representative of ordinary conditions at the subject property.
- Persons interviewed answered questions in good faith and to the extent of their knowledge.
- The subject property boundaries depicted on figures and described herein are accurate.

5.5 User Reliance and Continued Viability of Environmental Site Assessment

The assessment was prepared under contract for the exclusive use of PennRose and City of Memphis and Shelby County Community Redevelopment Agency. Any other party's reliance on this report is at risk unless EnSafe grants authorization. In accordance with ASTM E1527-21, this Phase I ESA is presumed to be viable for 180 days prior to the date of acquisition or intended transaction (e.g., lease or refinance). An ASTM-compliant Phase I ESA may be used for 1 year from the date of acquisition or intended transaction, provided all the components listed on the signature page are conducted or updated within 180 days prior to the date of acquisition or intended transaction.

6.0 REFERENCES

ASTM International. *Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process*. Designation E1527-21. 100 Barr Harbor Drive, West Conshohocken, Pennsylvania 19428. November 2021.

Claxton, D. (email interview/records request). City of Memphis Division of Fire Services, Fire Prevention Bureau, 5670 Avery Avenue, Memphis, Tennessee. 901-636-FIRE. 2026, March 30. fire.prevention@memphistn.gov

EnSafe Inc. *Phase I Environmental Site Assessment Report, Block A of the Legends Park Subdivision, Memphis, Tennessee 38105*. 5724 Summer Trees Drive, Memphis, Tennessee. November 2020.

— *Phase II Environmental Site Assessment*, *Block A, Legends Park Subdivision, Memphis, Tennessee*. December 2021.

— *Phase I Environmental Site Assessment, Legends Park Subdivision, Block A, Memphis, Tennessee 38105*. 2022, February 28.

— *Phase I Environmental Site Assessment*, *Legends Park Subdivision, Block A, Memphis, Tennessee 38105*. 2022, September 21.

— *Phase I Environmental Site Assessment*, *Legends Park Subdivision, Block A, Memphis, Tennessee 38105*. 2023, January 31.

— *Phase I Environmental Site Assessment*, *Legends Park Subdivision, Block A, Memphis, Tennessee 38105*. 2023, June 16.

— *Soil Gas Sampling, Block A, Legends Park Subdivision, Memphis, Tennessee*. 2023, March 30.

— *Soil Sampling for Lead and Asbestos, Edgeview at Legends Park, Block A, 945 Peach Avenue, Memphis, Tennessee*. 2023, March 30.

— *Soil Sampling for Volatile Organic Compounds, Polycyclic Aromatic Hydrocarbons, and Metals, Edgeview at Legends Park, Legends Park, Block A, Memphis, Tennessee*. 2023, May 15.

— *Soil Management Plan, Block A, Legends Park*. May 2023.

— *Soil Removal Report, Block A, Legends Park*. October 2025.

— *BVA, Peach Avenue/Block A East*. February 2026.

Environmental Risk Information Systems. *Database Report. Future Edgeview II, 981 Peach Avenue, Memphis, TN.* Order No: 26030900404. 266 Elmwood Avenue, Box 930, Buffalo, New York 14222. 866-517-5204. 2026, March 10.

— *City Directory*. Order No: 26030900404. 2026, March 12.
— *Fire Insurance Maps*. Order No: 26030900404. 2026, March 10.
— *Historical Aerials*. Order No: 26030900404. 2026, March 12.
— *Physical Setting Report*. Order No: 26030900404. 2026, March 10.
— *Topographic Maps*. Order No: 26030900404. 2026, March 10.

Google Earth software. (historical imagery and mapping tools). March 2026. Retrieved from: http://www.google.com/earth

Meredith, R. (email interview). Tennessee Department of Environment and Conservation, Memphis Environmental Field Office, 8383 Wolf Lake Drive, Bartlett, Tennessee. 901-371-3040. 2026, March 30. alison.campany@tn.gov

NETROnline. (historical imagery and topographic maps). 1958-2023 Aerial Imagery and 1925-2019 Topographic Maps. Retrieved from: http://https://www.historicaerials.com/viewer

Payne, D. (interview). Grant Analyst, Memphis Housing Authority, 700 Adams Avenue, Memphis, Tennessee. 901-544-1827. 2026, March 15. dpayne@memphisha.org

Phillips, L. (interview). Director of Development, Memphis Housing Authority, 700 Adams Avenue, Memphis, Tennessee. 2026, March 15. lphillips@memphisha.org

Shelby County Assessor of Property. (property information). March 2026. Retrieved from: https://www.assessor.shelby.tn.us/content.aspx

Shelby County Register of Deeds. (property deeds). March 2026. Retrieved from: https://search.register.shelby.tn.us/search/index.php

Tennessee Department of Environment and Conservation. (website). Public Records Request. March 2026. Retrieved from: https://www.tn.gov/environment/contacts/public-records-request.html

— (website). Division of Remediation Data and Map Viewer online records research. March 2026. Retrieved from: https://www.tn.gov/environment/about-tdec/tdec-dataviewers.html

United States Environmental Protection Agency, Enforcement and Compliance History Online (website). Regulatory information search. February 2026. Retrieved from: https://echo.epa.gov

— Envirofacts (website). Regulatory information research. February 2026. Retrieved from: https://enviro.epa.gov

Appendix A
Figures

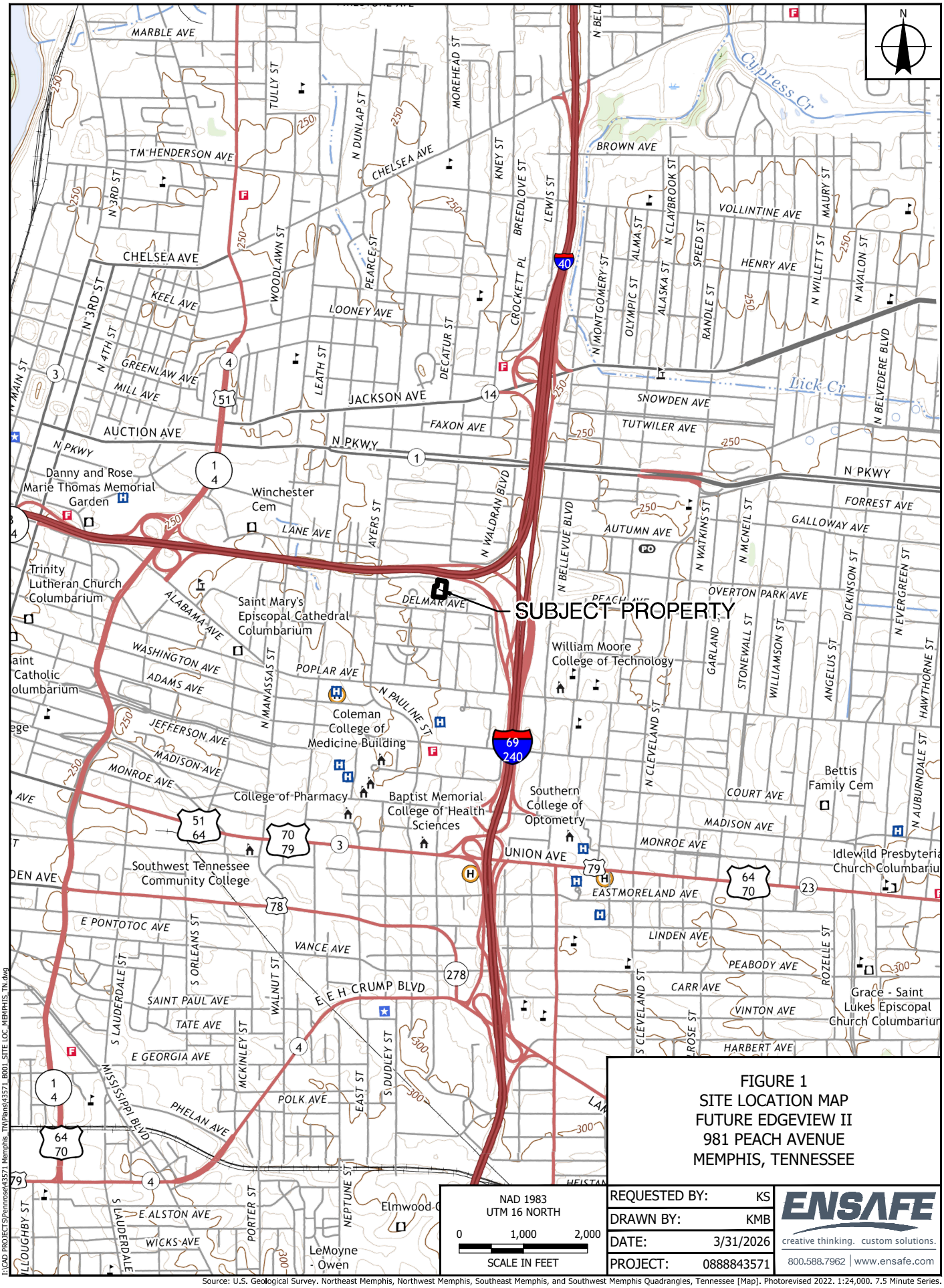

FIGURE 1
SITE LOCATION MAP
FUTURE EDGEVIEW II
981 PEACH AVENUE
MEMPHIS, TENNESSEE

REQUESTED BY:	KS
DRAWN BY:	KMB
DATE:	3/31/2026
PROJECT:	0888843571

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L:\CAD PROJECTS\Pennrose\43571 Memphis TN\Plans\43571_B001_SITE LOC_MEMPHIS_TN.dwg

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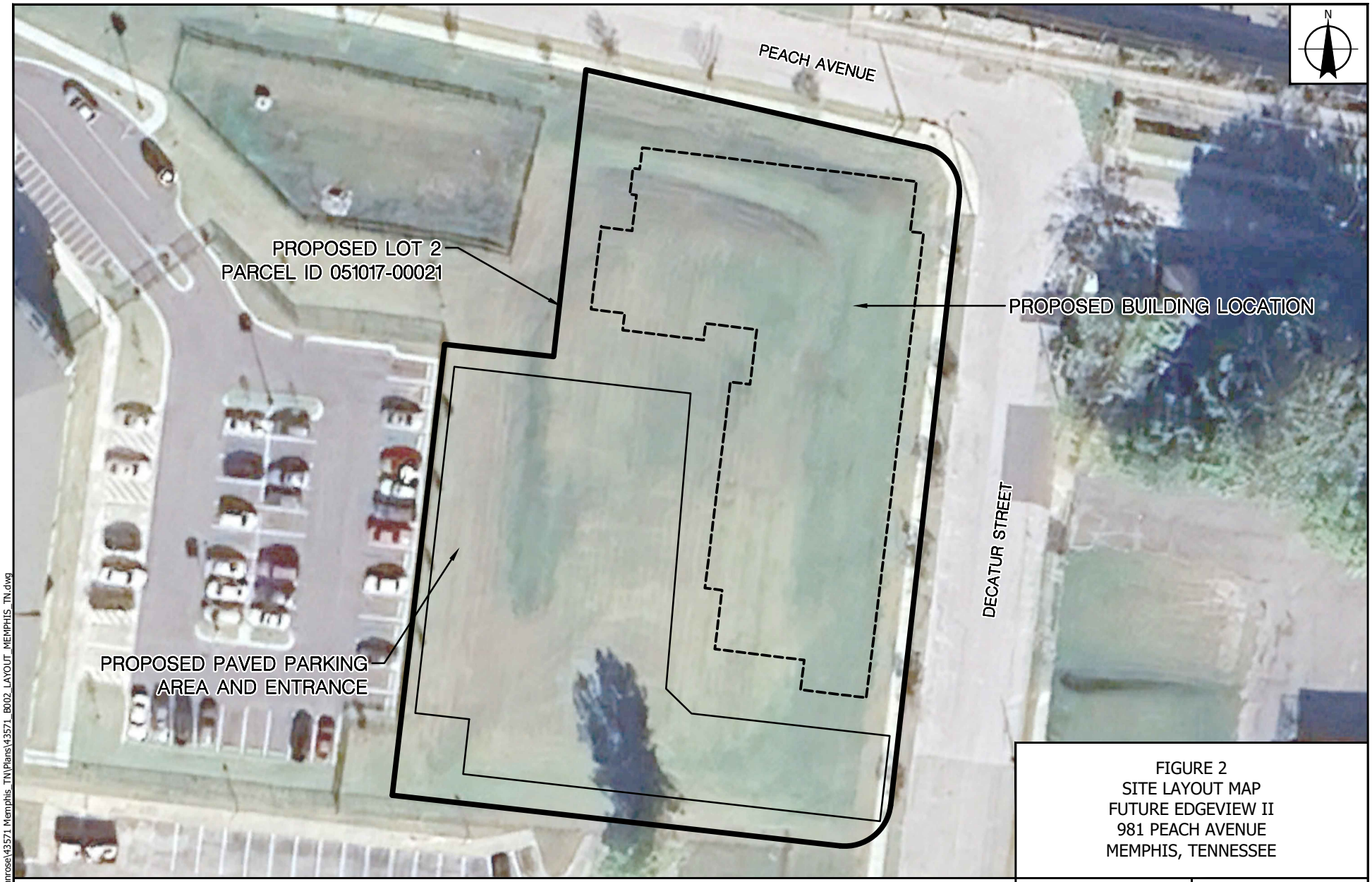

FIGURE 2
SITE LAYOUT MAP
FUTURE EDGEVIEW II
981 PEACH AVENUE
MEMPHIS, TENNESSEE

LEGEND

APPROXIMATE SUBJECT PROPERTY BOUNDARY

NAD 1983 STATE PLANE
TENNESSEE FEET

0 25 50

SCALE IN FEET

REQUESTED BY:	KS
DRAWN BY:	KMB
DATE:	4/08/2026
PROJECT:	0888843571

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Source: Google Earth Pro Imagery Date: November 3, 2025

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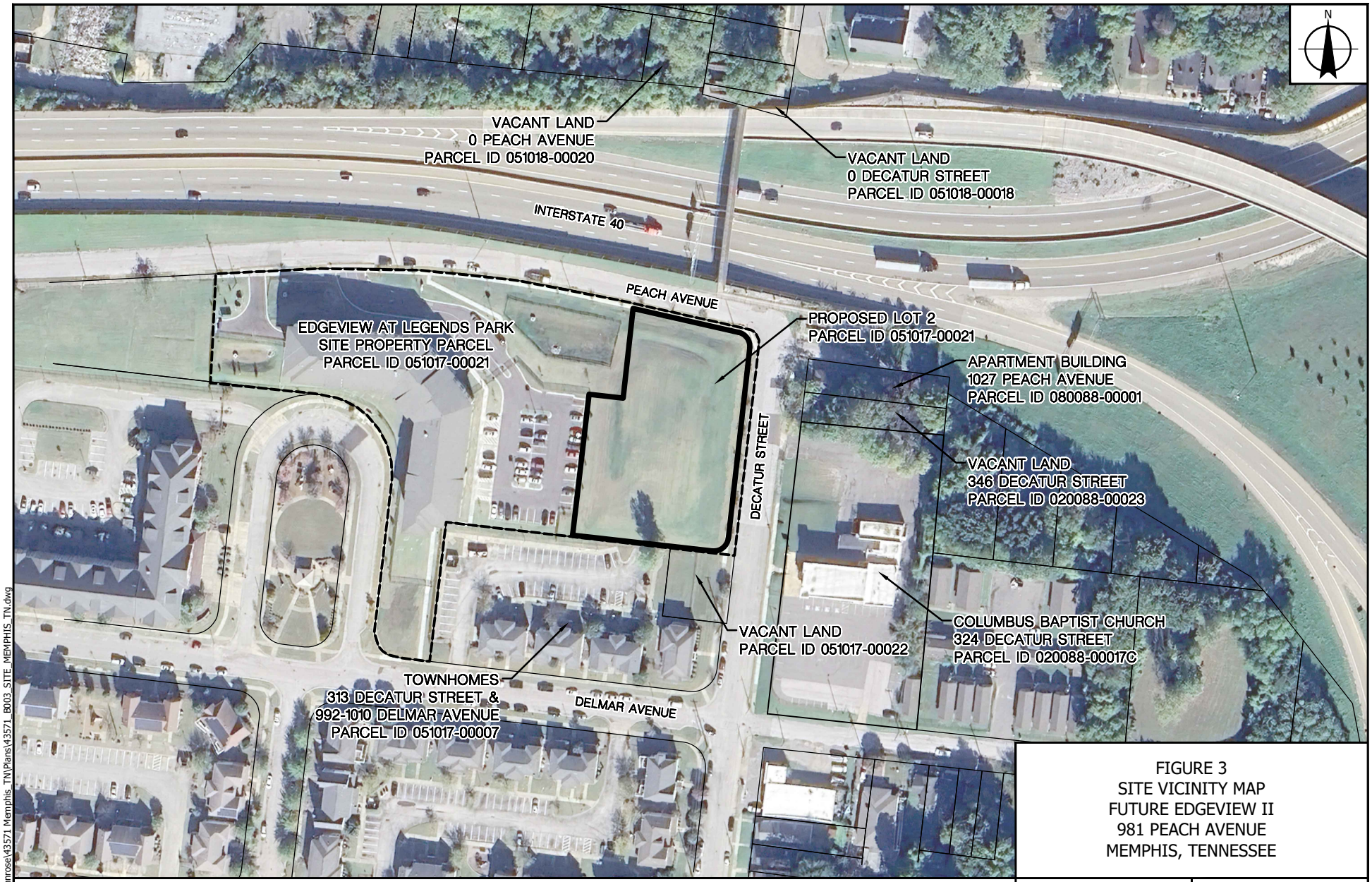

LEGEND

APPROXIMATE SUBJECT PROPERTY BOUNDARY

APPROXIMATE PARCEL BOUNDARY

NAD 1983 STATE PLANE
TENNESSEE FEET

0 80 160

SCALE IN FEET

FIGURE 3
SITE VICINITY MAP
FUTURE EDGEVIEW II
981 PEACH AVENUE
MEMPHIS, TENNESSEE

REQUESTED BY:	KS
DRAWN BY:	KMB
DATE:	4/08/2026
PROJECT:	0888843571

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Source: Google Earth Pro Imagery Date: November 3, 2025

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Appendix B
Photo Log

PHOTO NO. 1 **DESCRIPTION:**	View across the central portion of the subject property, looking south. Note the south-adjoining townhomes.

PHOTO NO. 2 **DESCRIPTION:**	View across the south portion of the subject property, looking northwest. Note the west-adjoining senior apartment facility, Edgeview at Legends Park, on the site property parcel.

PHOTO NO. 3 **DESCRIPTION:**	Looking north across the subject property. Note: Interstate 40 is beyond the sound barrier.

PHOTO NO. 4 **DESCRIPTION:**	View to the east-northeast across the north portion of the subject property. Note the slope bench from fill soil.

PHOTO NO. 5 **DESCRIPTION:**	View to the south across the subject property from the north-central boundary.

PHOTO NO. 6 **DESCRIPTION:**	View to the south along the east subject property boundary. Note: Sloped topography from fill soil.

Appendix C
Historical Documents

HISTORICAL AERIALS

Project Property: Future Edgeview II
981 Peach Avenue
Memphis TN

Project No: Z000000005

Requested By: EnSafe Inc.

Order No: 26030900404

Date Completed: March 12,2026

Aerial Maps included in this report are produced by the sources listed above and are to be used for research purposes including a phase I report. Maps are not to be resold as commercial property. ERIS provides no warranty of accuracy or liability. The information contained in this report has been produced using aerial photos listed in above sources by ERIS Information Inc. (in the US) and ERIS Information Limited Partnership (in Canada), both doing business as 'ERIS'. The maps contained in this report do not purport to be and do not constitute a guarantee of the accuracy of the information contained herein. Although ERIS has endeavored to present information that is accurate, ERIS disclaims, any and all liability for any errors, omissions, or inaccuracies in such information and data, whether attributable to inadvertence, negligence or otherwise, and for any consequences arising therefrom. Liability on the part of ERIS is limited to the monetary value paid for this report.

Environmental Risk Information Services
A division of Glacier Media Inc.
1.866.517.5204 | info@erisinfo.com | erisinfo.com

Date	Source	Scale	Comments
2023	United States Department of Agriculture	1" = 500'	
2021	United States Department of Agriculture	1" = 500'	
2018	United States Department of Agriculture	1" = 500'	
2016	United States Department of Agriculture	1" = 500'	
2014	United States Department of Agriculture	1" = 500'	
2012	United States Department of Agriculture	1" = 500'	
2010	United States Department of Agriculture	1" = 500'	
2008	United States Department of Agriculture	1" = 500'	
2007	United States Department of Agriculture	1" = 500'	
2006	United States Department of Agriculture	1" = 500'	
2004	United States Department of Agriculture	1" = 500'	
1994	United States Geological Survey	1" = 500'	
1990	United States Geological Survey	1" = 500'	
1984	United States Geological Survey	1" = 500'	
1973	United States Geological Survey	1" = 500'	
1965	Agricultural Stabilization & Conserv. Service	1" = 500'	
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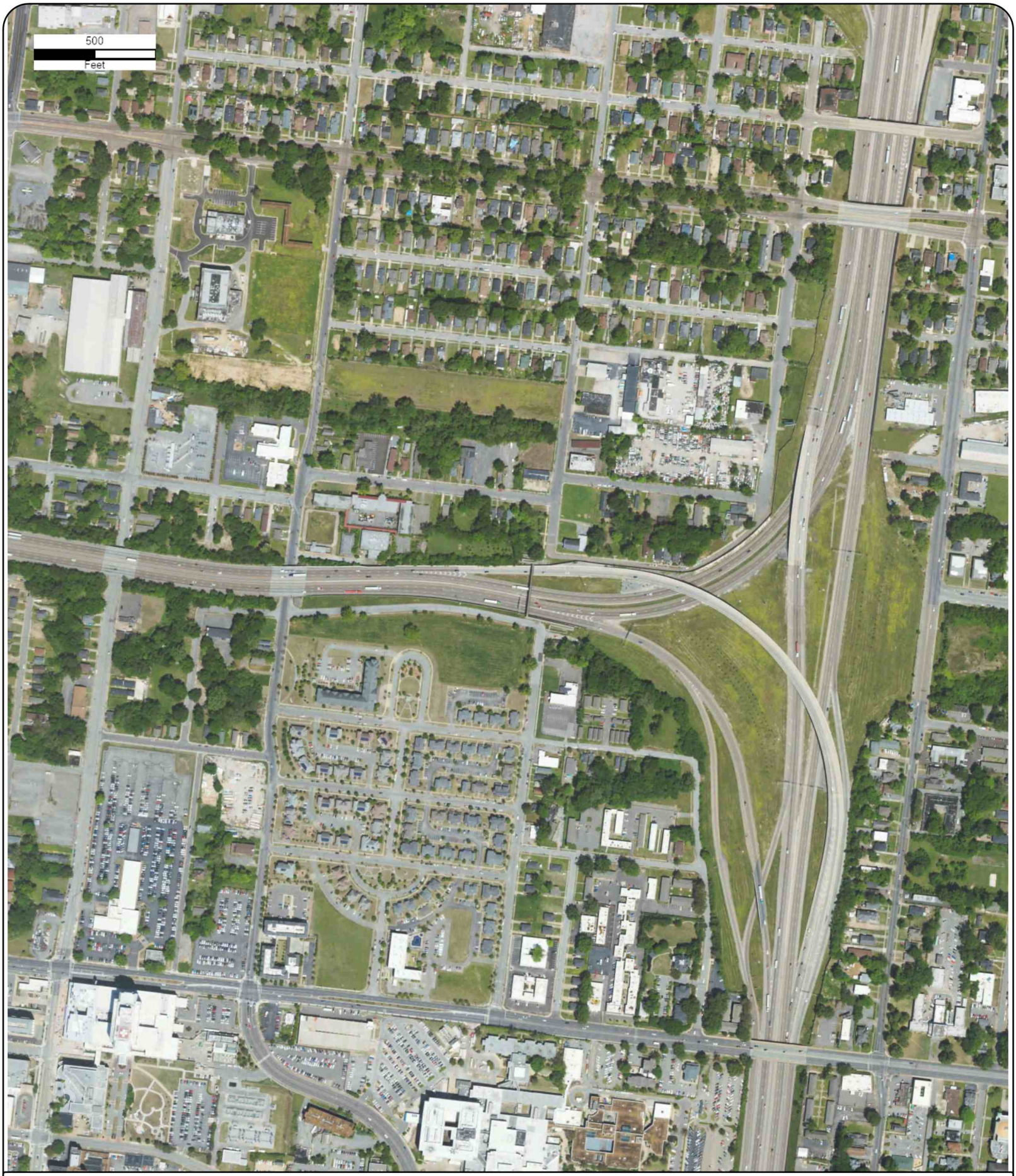

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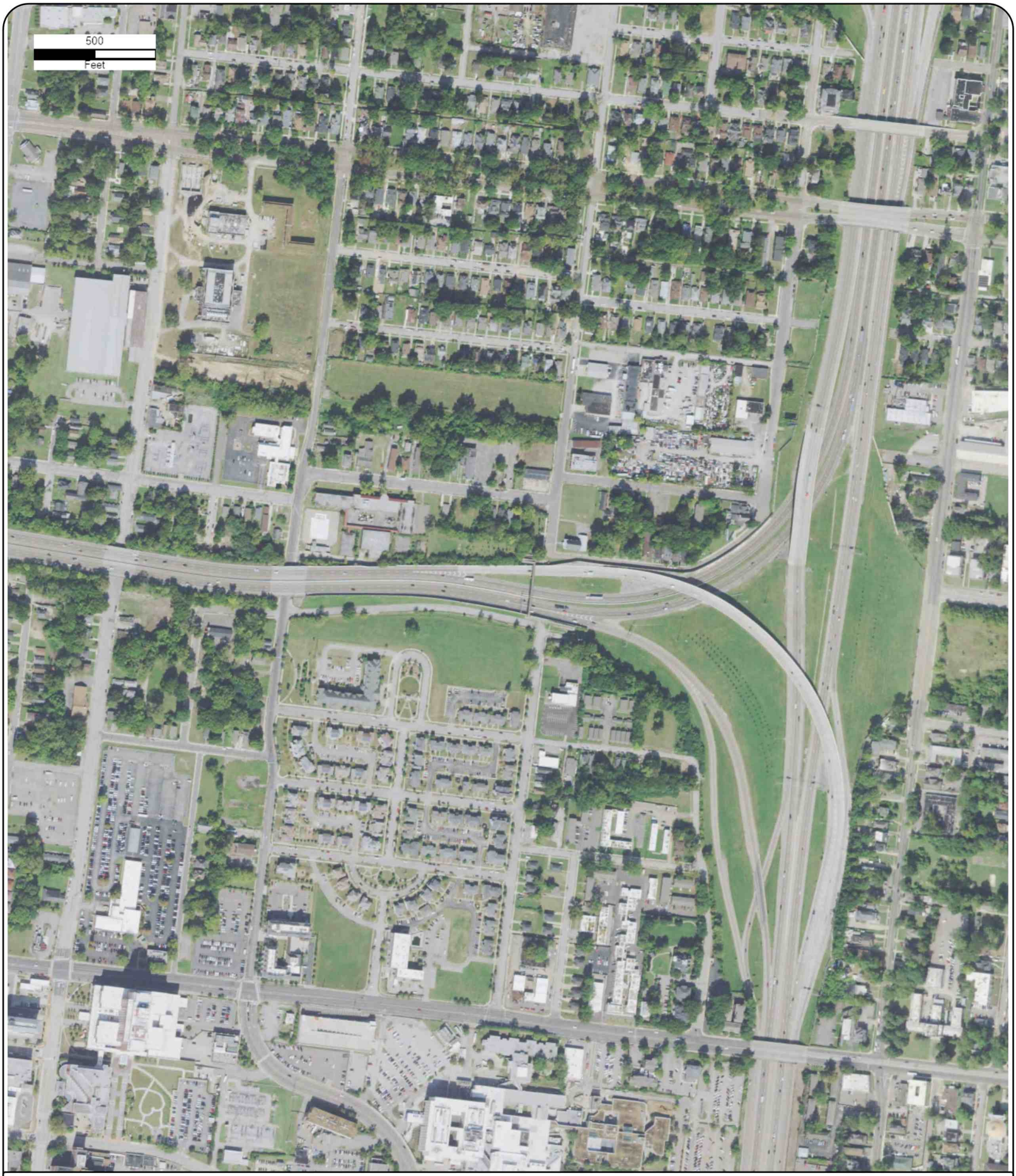
Order No: 26030900404

ERIS



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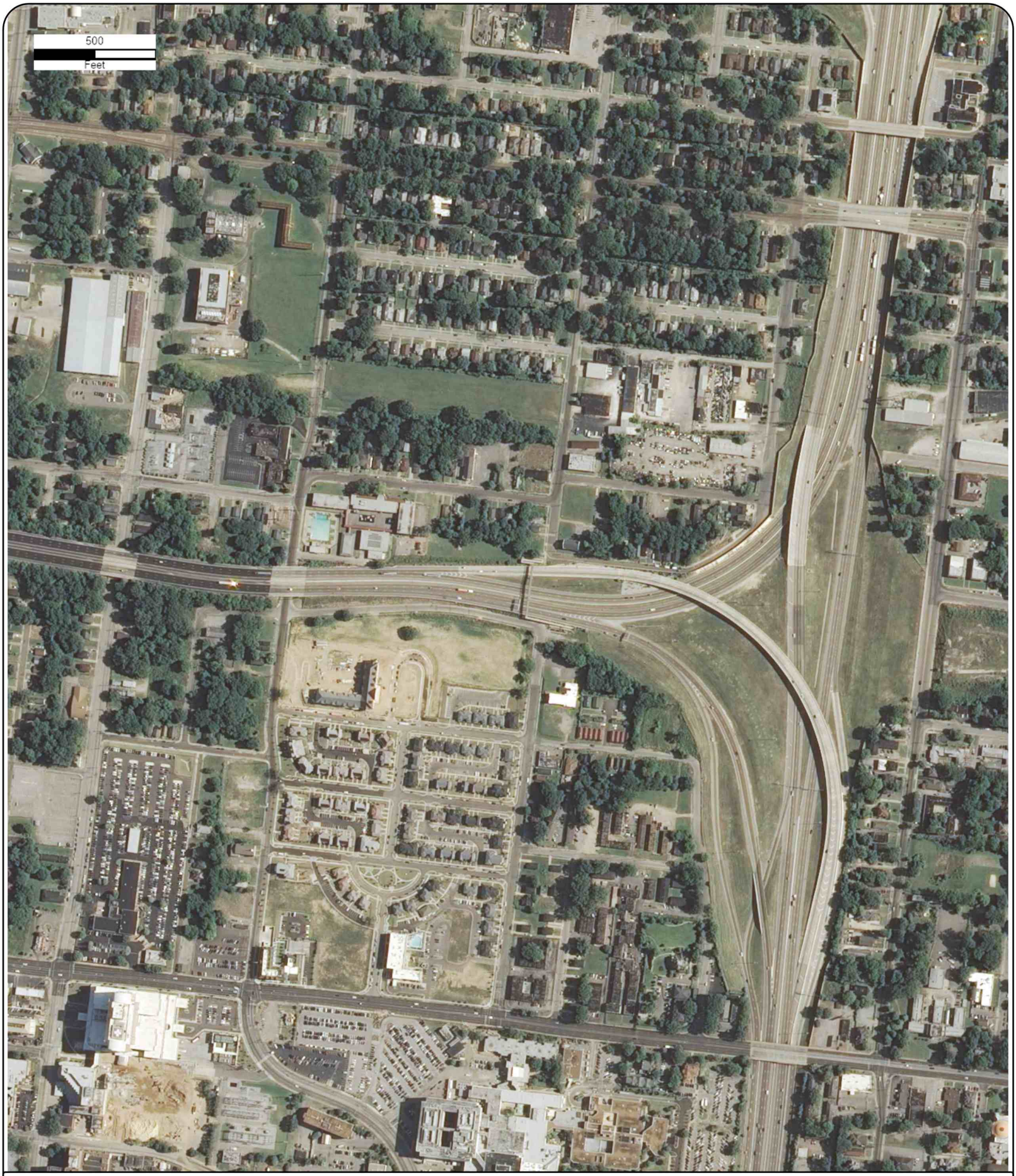

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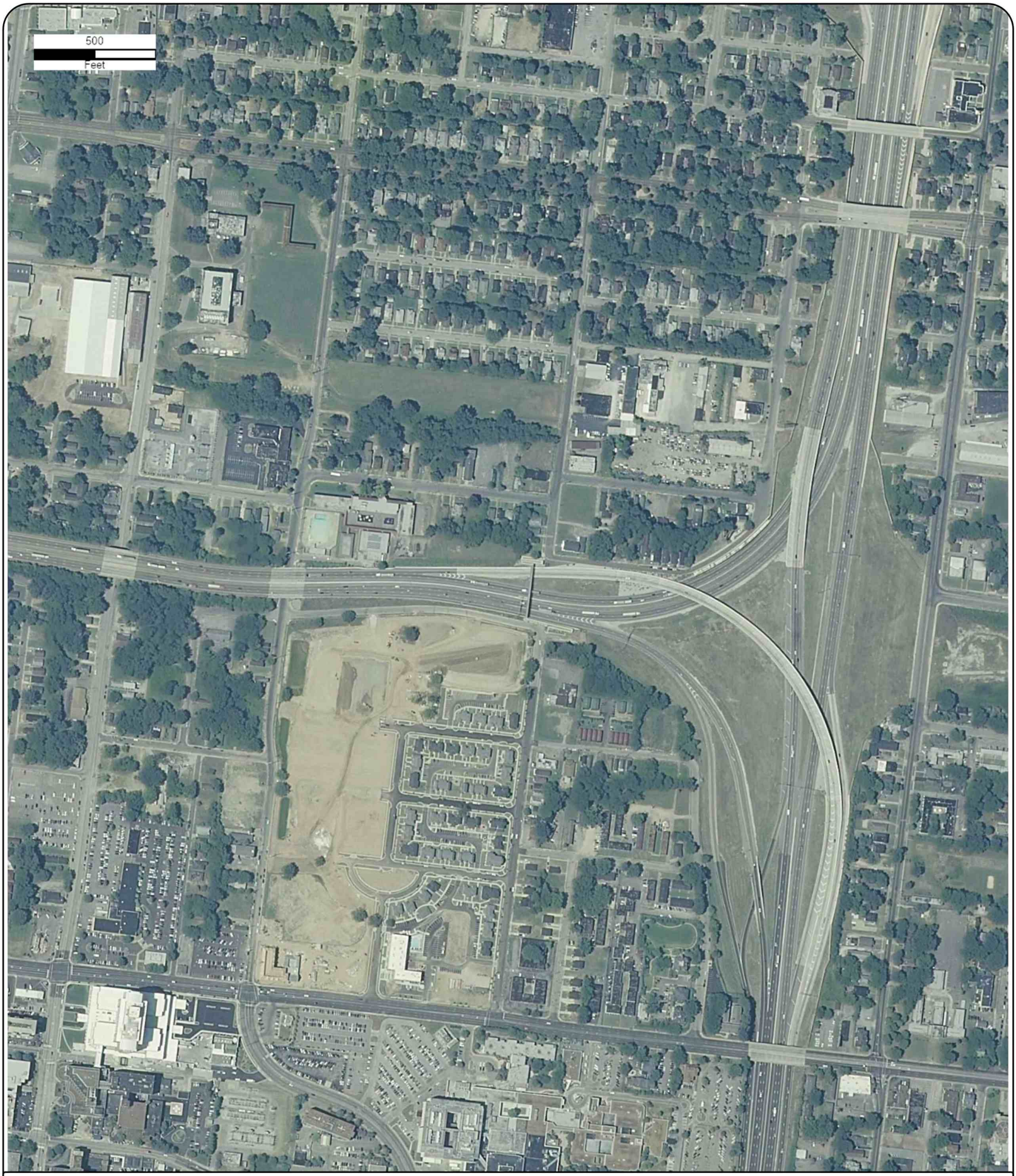

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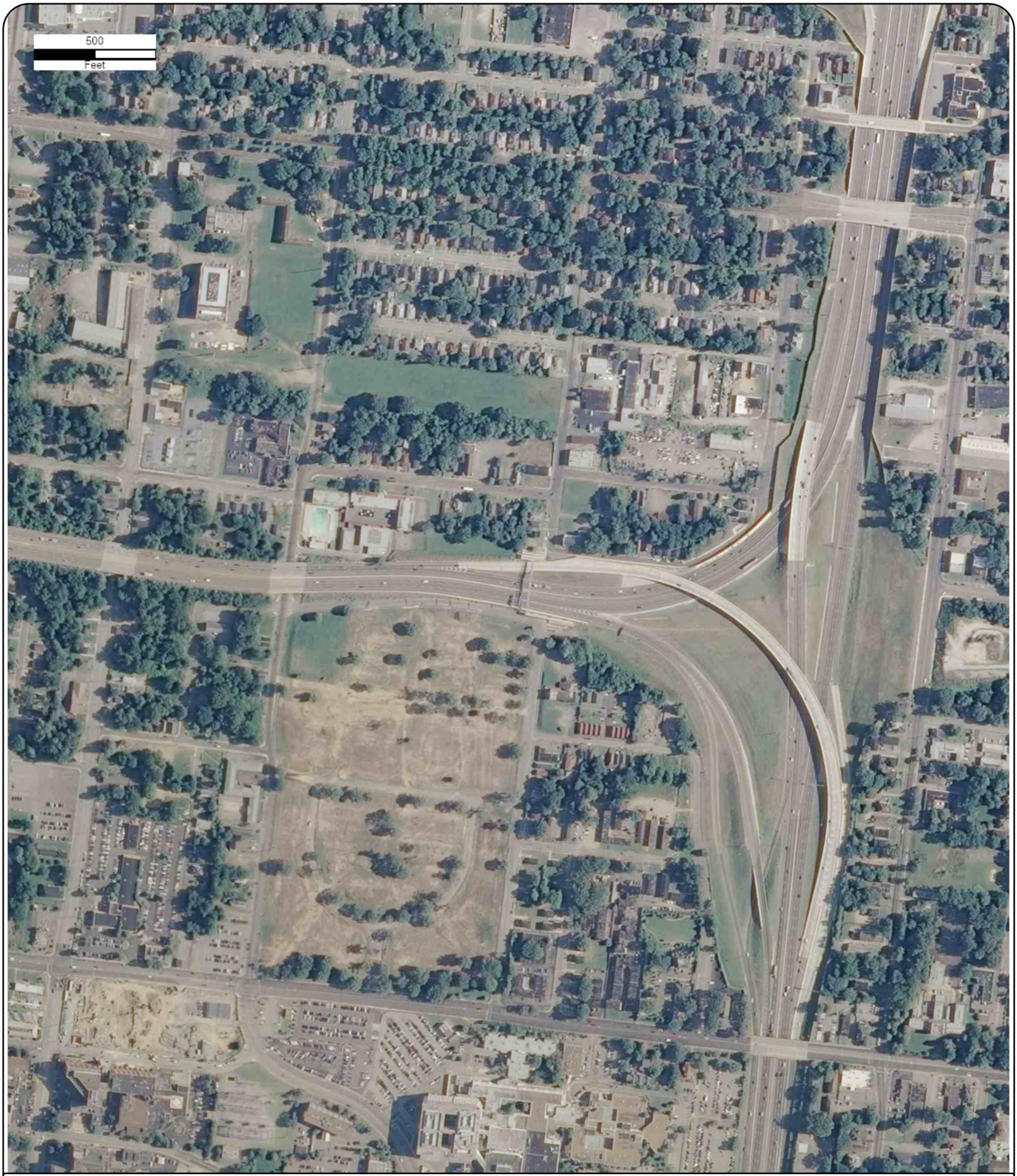

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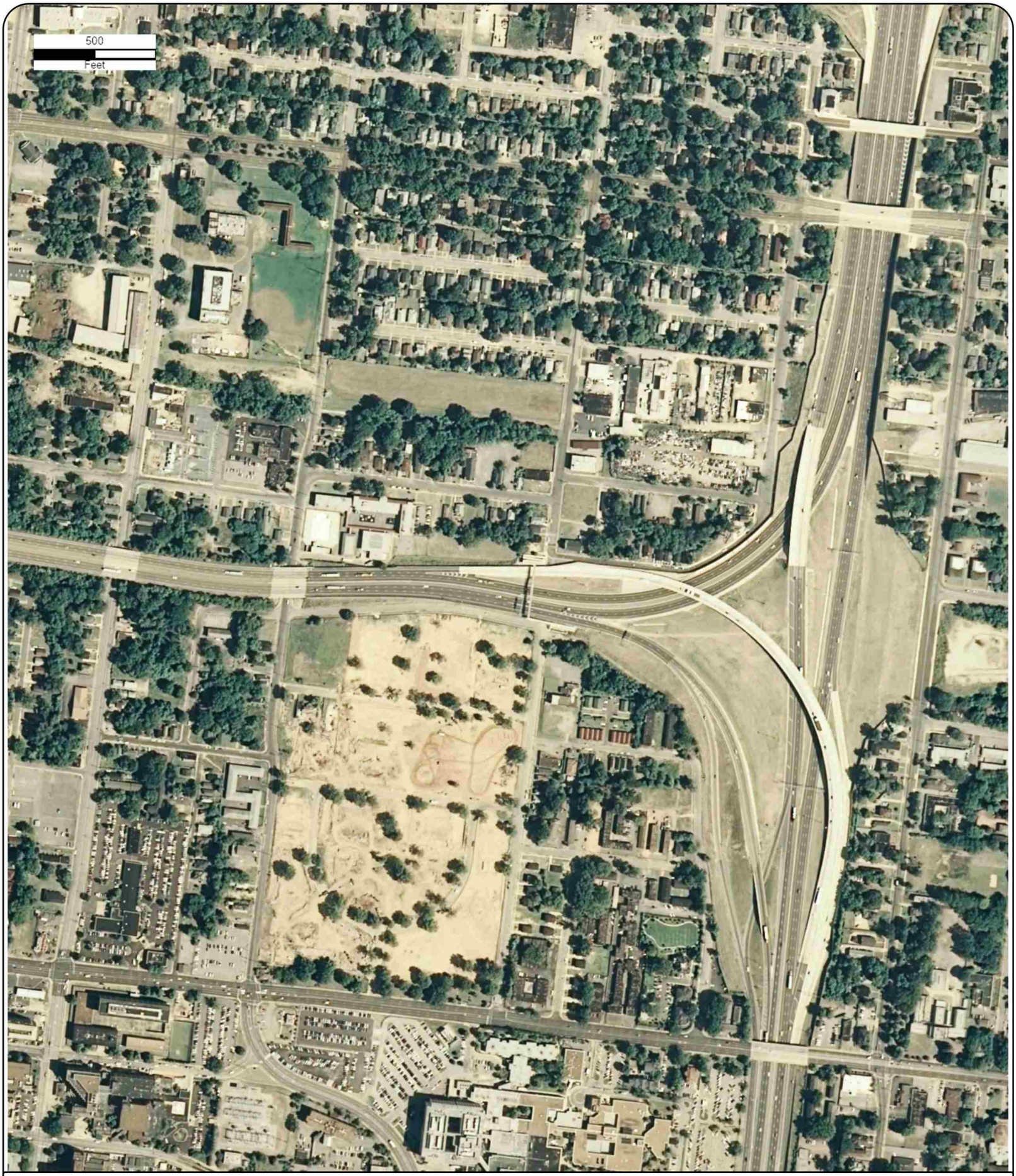

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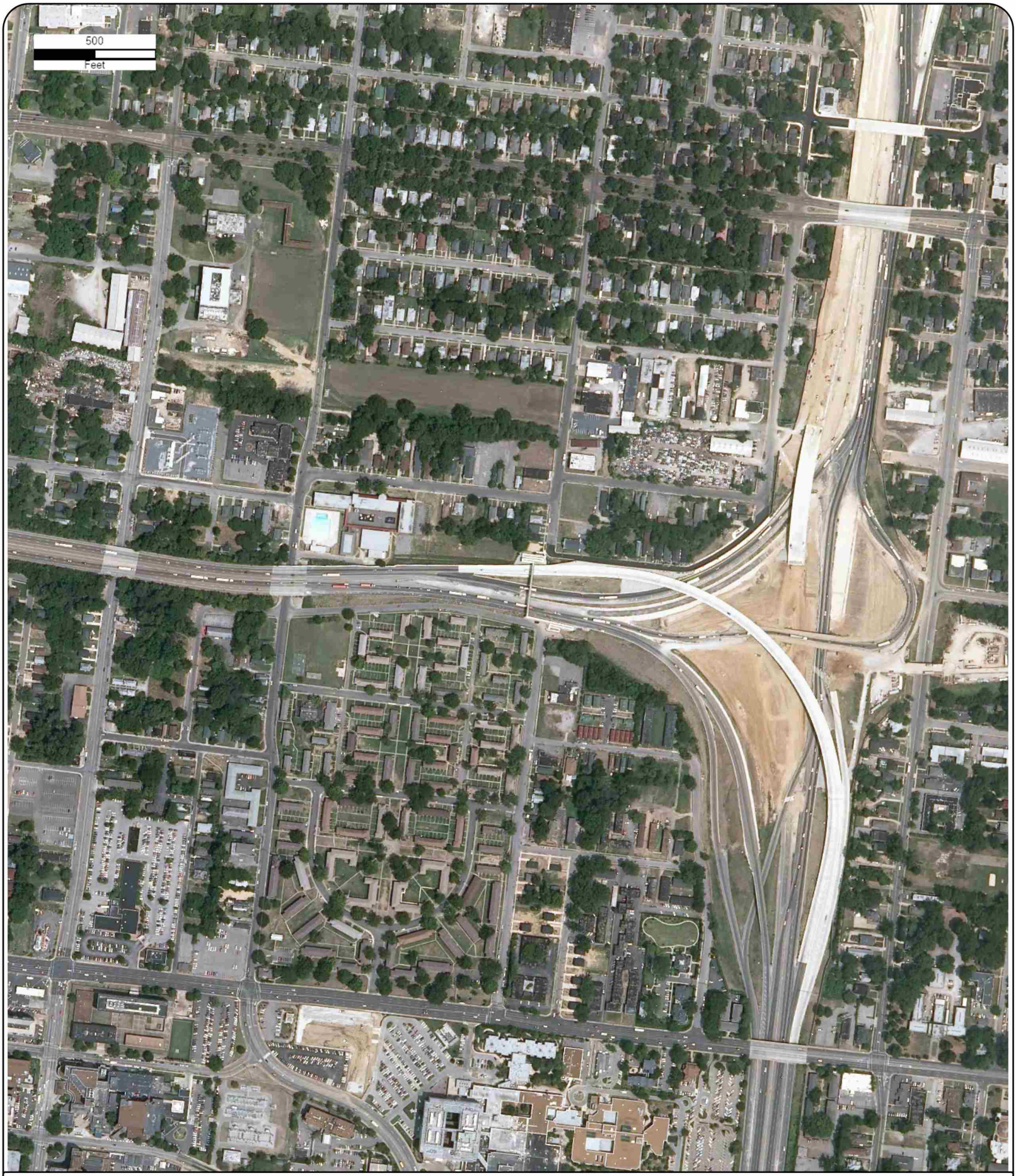

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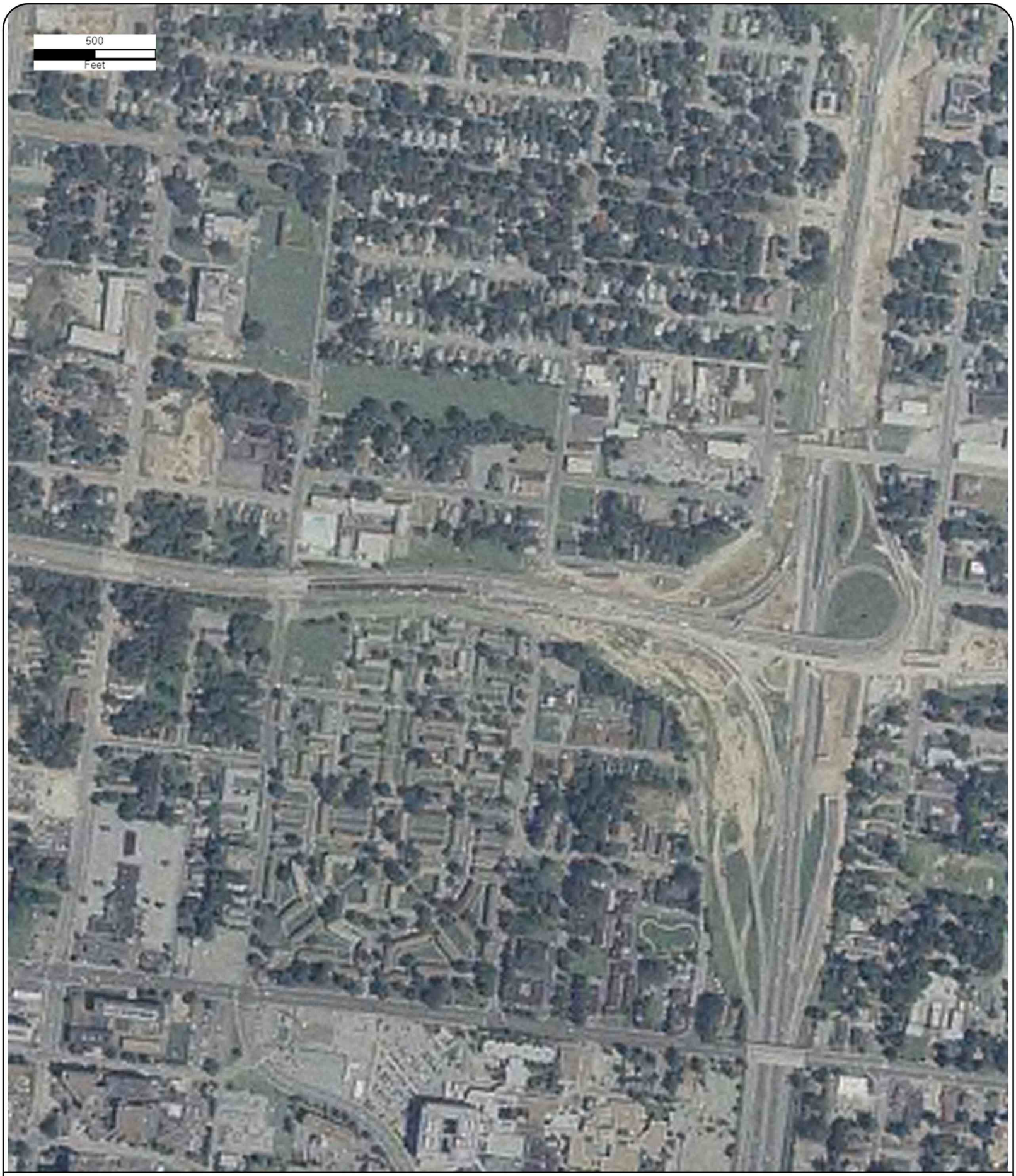

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ERIS

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Year: 1990
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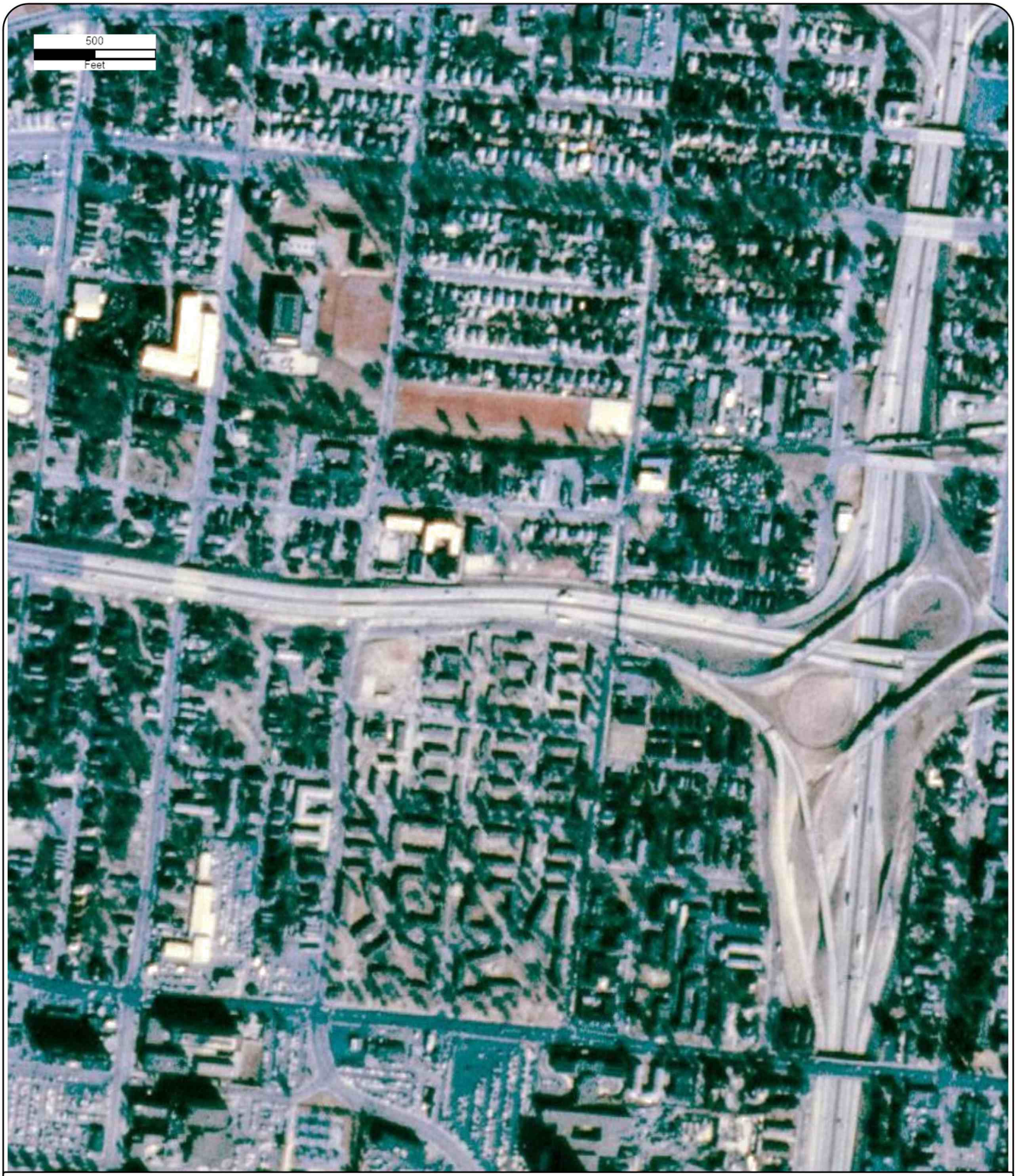

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Order No: 26030900404

ERIS

Year: 1973
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Scale: 1" = 500'
Comment:

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Approx Center: -90.02630188,35.14918908

Order No: 26030900404

ERIS

Year: 1965
Source: ASCS
Scale: 1" = 500'
Comment:

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Approx Center: -90.02630188,35.14918908

Order No: 26030900404

ERIS

Year: 1958
Source: ASCS
Scale: 1" = 500'
Comment:

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Order No: 26030900404

ERIS

Year: 1953
Source: ASCS
Scale: 1" = 500'
Comment:

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Order No: 26030900404

ERIS

Year: 1937
Source: ASCS
Scale: 1" = 500'
Comment:

Address: 981 Peach Avenue, Memphis, TN
Approx Center: -90.02630188,35.14918908

Order No: 26030900404

ERIS

CITY DIRECTORY

Project Property:	*Future Edgeview II* *981 Peach Avenue* *Memphis,TN*
Project No:	*Z000000005*
Requested By:	*EnSafe Inc.*
Order No:	*26030900404*
Date Completed:	*March 12, 2026*

Environmental Risk Information Services
A division of Glacier Media Inc.
1.866.517.5204 | info@erisinfo.com | erisinfo.com

March 12, 2026
RE: CITY DIRECTORY RESEARCH
981 Peach Avenue
Memphis,TN

Thank you for contacting ERIS for an City Directory Search for the site described above. Our staff has conducted a reverse listing City Directory search to determine prior occupants of the subject site and adjacent properties. We have provided the nearest addresses(s) when adjacent addresses are not listed. If we have searched a range of addresses, all addresses in that range found in the Directory are included.

Note: Reverse Listing Directories generally are focused on more highly developed areas. Newly developed areas may be covered in the more recent years, but the older directories will tend to cover only the "central" parts of the city. To complete the search, we have either utilized the ACPL, Library of Congress, State Archives, and/or a regional library or history center as well as multiple digitized directories. These do not claim to be a complete collection of all reverse listing city directories produced.

ERIS has made every effort to provide accurate and complete information but shall not be held liable for missing, incomplete or inaccurate information. To complete this search we used the general range(s) below to search for relevant findings. If you believe there are additional addresses or streets that require searching please contact us at 866-517-5204.

Search Criteria:
270-400 of Decatur St
900-1050 of Delmar Ave
BEG-1100 of Peach Ave
Search Notes:
Delmar Ave is also known as 900-1050 Delmar Pl in Memphis.

Search Results Summary

Date	Source	Comment
2024	DIGITAL BUSINESS DIRECTORY	
2023	DIGITAL BUSINESS DIRECTORY	
2020	DIGITAL BUSINESS DIRECTORY	
2016	DIGITAL BUSINESS DIRECTORY	
2012	DIGITAL BUSINESS DIRECTORY	
2008	DIGITAL BUSINESS DIRECTORY	
2003	DIGITAL BUSINESS DIRECTORY	
2000	DIGITAL BUSINESS DIRECTORY	
1995	COLE	
1990	COLE	
1985	COLE	
1980	COLE	
1975	COLE	
1970-71	COLE	
1966	POLKS	
1962-63	DIRECTORY PUBLISHING CO	
1960-61	DIRECTORY PUBLISHING CO	
1954	DIRECTORY PUBLISHING CO	
1948	POLKS	
1943	POLKS	
1940	POLKS	
1937	SOUTHERN BELL TELEPHONE CO	
1932	SOUTHERN BELL TELEPHONE CO	
1927	POLKS	
1924	POLKS	

2024 DECATUR ST

SOURCE: DIGITAL BUSINESS DIRECTORY

274	**COREY MACKLIN**	*RESIDENTIAL*
274	**NATASHA MACKLIN**	*RESIDENTIAL*
295	**LOVIE CHILDS**	*RESIDENTIAL*
296	**TOMMY MOORE**	*RESIDENTIAL*
297	**RITA MILLER**	*RESIDENTIAL*
298	**L & L SUPERMARKET**	*GROCERIES*
301	**MARK HUDSON**	*RESIDENTIAL*
313	**JANIELE REID**	*RESIDENTIAL*
313	**ROCHELLE WESSON**	*RESIDENTIAL*
324	**COLUMBUS BAPTIST CHURCH**	*CHURCHES*
384	**PROVIDENCE AME CHURCH**	*CHURCHES*

2024 DELMAR AVE

SOURCE: DIGITAL BUSINESS DIRECTORY

935	**DANNYE WILLIAMSEN**	*RESIDENTIAL*
937	**ESTELLA GREEN**	*RESIDENTIAL*
937	**TYRONE GREEN**	*RESIDENTIAL*
992	**KENNETH STEVENSON**	*RESIDENTIAL*
995	**TORRENCE BRYANT**	*RESIDENTIAL*
997	**THOMAS CONSHUND**	*RESIDENTIAL*
1005	**C SMITH**	*RESIDENTIAL*
1006	**JOSEPHINE SIMMS**	*RESIDENTIAL*
1010	**MARCIA WILLIAMS**	*RESIDENTIAL*
1039	**D'S OLD FASHION HOME IMPRVMT**	*HOME IMPROVEMENTS*
1039	**DALE HINES**	*RESIDENTIAL*
1043	**KELSEY WELLS**	*RESIDENTIAL*
1043	**SHIRLEY TONEY**	*RESIDENTIAL*
1045	**MAUDIE STEELE**	*RESIDENTIAL*
1046	**NATHANIEL JONES**	*RESIDENTIAL*
1050	**CANDACE THOMAS**	*RESIDENTIAL*

2024 PEACH AVE

SOURCE: DIGITAL BUSINESS DIRECTORY

NO LISTING FOUND

2023 DECATUR ST

SOURCE: DIGITAL BUSINESS DIRECTORY

270 **JAMES FRANKLIN**...*RESIDENTIAL*
270 **SHERITA FRANKLIN**...*RESIDENTIAL*
274 **DAVID MACKLIN**...*RESIDENTIAL*
292 **ASHLEY LEE**...*RESIDENTIAL*
296 **MINNIE MOORE**...*RESIDENTIAL*
297 **RITA MILLER**...*RESIDENTIAL*
348 **AREALOUS HARRIS**...*RESIDENTIAL*
350 **DON TUCKER**...*RESIDENTIAL*
384 **PROVIDENCE AME CHURCH**...*CHURCHES*

2023 DELMAR AVE

SOURCE: DIGITAL BUSINESS DIRECTORY

949 **AMANDA MC BRIDE**...*RESIDENTIAL*
981 **GENELL ADAMS**...*RESIDENTIAL*
985 **LATONDRIA JONES**...*RESIDENTIAL*
992 **KENNETH STEVENSON**...*RESIDENTIAL*
995 **TORRENCE BRYANT**...*RESIDENTIAL*
996 **SHANDRA JACKSON**...*RESIDENTIAL*
997 **THOMAS CONSHUND**...*RESIDENTIAL*
1000 **ANGELA STEPTER**...*RESIDENTIAL*
1006 **JOSEPHINE SIMMS**...*RESIDENTIAL*
1010 **MARCIA WILLIAMS**...*RESIDENTIAL*
1039 **CALVERTA WELLS**...*RESIDENTIAL*
1039 **D'S OLD FASHION HOME IMPRVMT**...*HOME IMPROVEMENTS*
1043 **KELSEY WELLS**...*RESIDENTIAL*
1043 **SHIRLEY TONEY**...*RESIDENTIAL*
1045 **MAUDIE STEELE**...*RESIDENTIAL*
1046 **NATHANIEL JONES**...*RESIDENTIAL*
1050 **JAMES WEATHERSPO**...*RESIDENTIAL*

2023 PEACH AVE

SOURCE: DIGITAL BUSINESS DIRECTORY

NO LISTING FOUND

2020 DECATUR ST

SOURCE: DIGITAL BUSINESS DIRECTORY

270 **JAMES FRANKLIN**...*RESIDENTIAL*
270 **SHERITA FRANKLIN**...*RESIDENTIAL*
274 **DAVID MACKLIN**...*RESIDENTIAL*
292 **ASHLEY LEE**...*RESIDENTIAL*
296 **MINNIE MOORE**...*RESIDENTIAL*
297 **RITA MILLER**...*RESIDENTIAL*
348 **AREALOUS HARRIS**...*RESIDENTIAL*
350 **DON TUCKER**...*RESIDENTIAL*
384 **PROVIDENCE AME CHURCH**...*CHURCHES*

2020 DELMAR AVE

SOURCE: DIGITAL BUSINESS DIRECTORY

949 **AMANDA MC BRIDE**...*RESIDENTIAL*
981 **GENELL ADAMS**...*RESIDENTIAL*
985 **LATONDRIA JONES**...*RESIDENTIAL*
992 **KENNETH STEVENSON**...*RESIDENTIAL*
995 **TORRENCE BRYANT**...*RESIDENTIAL*
996 **SHANDRA JACKSON**...*RESIDENTIAL*
997 **THOMAS CONSHUND**...*RESIDENTIAL*
1000 **ANGELA STEPTER**...*RESIDENTIAL*
1006 **JOSEPHINE SIMMS**...*RESIDENTIAL*
1010 **MARCIA WILLIAMS**...*RESIDENTIAL*
1039 **CALVERTA WELLS**...*RESIDENTIAL*
1039 **D'S OLD FASHION HOME IMPRVMNT**...*HOME IMPROVEMENTS*
1043 **KELSEY WELLS**...*RESIDENTIAL*
1043 **NICOLE WELLS**...*RESIDENTIAL*
1043 **SHIRLEY TONEY**...*RESIDENTIAL*
1045 **MAUDIE STEELE**...*RESIDENTIAL*
1046 **NATHANIEL JONES**...*RESIDENTIAL*

2020 PEACH AVE

SOURCE: DIGITAL BUSINESS DIRECTORY

NO LISTING FOUND

2016 DECATUR ST

SOURCE: DIGITAL BUSINESS DIRECTORY

270 **JAMES FRANKLIN**...*RESIDENTIAL*
270 **SHERITA FRANKLIN**...*RESIDENTIAL*
274 **DAVID MACKLIN**...*RESIDENTIAL*
292 **ASHLEY LEE**...*RESIDENTIAL*
295 **LOVIE CHILDS**...*RESIDENTIAL*
296 **MINNIE MOORE**...*RESIDENTIAL*
297 **RITA MILLER**...*RESIDENTIAL*
348 **AREALOUS HARRIS**...*RESIDENTIAL*
350 **DON TUCKER**...*RESIDENTIAL*
384 **PROVIDENCE AME CHURCH**...*CHURCHES*

2016 DELMAR AVE

SOURCE: DIGITAL BUSINESS DIRECTORY

949 **AMANDA MC BRIDE**...*RESIDENTIAL*
985 **LATONDRIA JONES**...*RESIDENTIAL*
989 **WILLEEN GUYTON**...*RESIDENTIAL*
992 **KENNETH STEVENSON**...*RESIDENTIAL*
995 **TORRENCE BRYANT**...*RESIDENTIAL*
996 **SHANDRA JACKSON**...*RESIDENTIAL*
997 **THOMAS CONSHUND**...*RESIDENTIAL*
1000 **ANGELA STEPTER**...*RESIDENTIAL*
1006 **JOSEPHINE SIMMS**...*RESIDENTIAL*
1010 **MARCIA WILLIAMS**...*RESIDENTIAL*
1039 **D'S OLD FASHION HOME IMPRVMNT**...*HOME IMPROVEMENTS*
1043 **KELSEY WELLS**...*RESIDENTIAL*
1043 **NICOLE WELLS**...*RESIDENTIAL*
1043 **SHIRLEY TONEY**...*RESIDENTIAL*
1045 **MAUDIE STEELE**...*RESIDENTIAL*

2016 PEACH AVE

SOURCE: DIGITAL BUSINESS DIRECTORY

NO LISTING FOUND

2012 DECATUR ST

SOURCE: DIGITAL BUSINESS DIRECTORY

270 **SHERITA FRANKLIN**...*RESIDENTIAL*
278 **LOUISE DAVIS**...*RESIDENTIAL*
286 **MARCUS JOHNSON**...*RESIDENTIAL*
296 **MINNIE MOORE**...*RESIDENTIAL*
298 **L & L SUPERMARKET**...*SUPERMARKETS & OTHER GROCERY STORES*
298 **L & L SUPERMARKET**...*GROCERS-RETAIL*
324 **COLUMBUS BAPTIST CHURCH**...*RELIGIOUS ORGANIZATION*
324 **COLUMBUS BAPTIST CHURCH**...*CHURCHES*
395 **ALEXANDER ALLEN**...*RESIDENTIAL*
395 **ALLEN ALEXANDER**...*RESIDENTIAL*

2012 DELMAR AVE

SOURCE: DIGITAL BUSINESS DIRECTORY

1039 **CALVERTA WELLS**...*RESIDENTIAL*

2012 PEACH AVE

SOURCE: DIGITAL BUSINESS DIRECTORY

NO LISTING FOUND

2008 DECATUR ST

SOURCE: DIGITAL BUSINESS DIRECTORY

270 **JAMES M FRANKLIN**...*RESIDENTIAL*
274 **GERALDINE LETCHER**...*RESIDENTIAL*
278 **LOUISE DAVIS**...*RESIDENTIAL*
283 **L B BANKS**...*RESIDENTIAL*
291 **ALISA ALLEN**...*RESIDENTIAL*
291 **BARBARASTEAN DUCKETT**...*RESIDENTIAL*
291 **BELINDA TYLER**...*RESIDENTIAL*
291 **MARIO JONES**...*RESIDENTIAL*
291 **ROSIE JONES**...*RESIDENTIAL*
292 **MARY KENNARD**...*RESIDENTIAL*
292 **VALESIA KENNARD**...*RESIDENTIAL*
293 **ALICA WALLACE**...*RESIDENTIAL*
293 **ALICIA TUCKER**...*RESIDENTIAL*
293 **BESSIE A BIBBS**...*RESIDENTIAL*
293 **J RUTHERFORD**...*RESIDENTIAL*
293 **JAMES MUNFORD**...*RESIDENTIAL*
295 **JENNIFER HAWKINS**...*RESIDENTIAL*
295 **WANDA HAMILTON**...*RESIDENTIAL*
296 **MINNIE MOORE**...*RESIDENTIAL*
298 **L & L SUPERMARKET**...*RET GROCERIES*
300 **DALE & GEORGE WASHINGTON**...*RESIDENTIAL*
303 **KIMBERLY SMITH**...*RESIDENTIAL*
327 **BETTY J WELLS**...*RESIDENTIAL*
327 **D STONE**...*RESIDENTIAL*
327 **FREDDIE SMITH**...*RESIDENTIAL*
327 **RENEE GUNTER**...*RESIDENTIAL*
331 **JANETTA JONES**...*RESIDENTIAL*
331 **JUDITH E DOBBS**...*RESIDENTIAL*
331 **LASHONDA LIGGINS**...*RESIDENTIAL*
333 **ANNIE P THOMPSON**...*RESIDENTIAL*
333 **DEBRA L JOHNSON**...*RESIDENTIAL*
333 **DOLLIE M HEARN**...*RESIDENTIAL*
333 **GREGORY CLARK**...*RESIDENTIAL*
333 **SUSIE SWAUNCY**...*RESIDENTIAL*
337 **BARBARA REED**...*RESIDENTIAL*
337 **MAMIE HUDGINS**...*RESIDENTIAL*
343 **MYRTIS L CAUSEY**...*RESIDENTIAL*
350 **DON K TUCKER**...*RESIDENTIAL*
384 **PROVIDENCE AME CHURCH**...*CHURCHES*
387 **MICHAEL GERMANY**...*RESIDENTIAL*
391 **EDWARD VAUGHN**...*RESIDENTIAL*

2008 DELMAR AVE

SOURCE: DIGITAL BUSINESS DIRECTORY

947 **DOROTHY CULLENS**...*RESIDENTIAL*
947 **JOHNNIE M CRIBBS**...*RESIDENTIAL*
947 **ROSIE L ALLEN**...*RESIDENTIAL*
947 **WALTER STEWART**...*RESIDENTIAL*
948 **IDA BOWIE**...*RESIDENTIAL*
948 **SERLETHA TAYLOR**...*RESIDENTIAL*
979 **DOSHIE STOKES**...*RESIDENTIAL*
979 **L MASON**...*RESIDENTIAL*
979 **MABLE WILLIAMS**...*RESIDENTIAL*
979 **WAYNE L GAITHER**...*RESIDENTIAL*
980 **BERNICE CARUTHERS**...*RESIDENTIAL*
980 **ELLA HARRIS**...*RESIDENTIAL*
980 **JOE C WHITE**...*RESIDENTIAL*
980 **RETHA KINNER**...*RESIDENTIAL*
980 **S B BROWN**...*RESIDENTIAL*
1000 **DORIS JONES**...*RESIDENTIAL*
1000 **JEANIE WASHINGTON**...*RESIDENTIAL*
1000 **V GOODMAN**...*RESIDENTIAL*
1001 **GLADYS BARNES**...*RESIDENTIAL*
1001 **JAMES HILL**...*RESIDENTIAL*
1001 **JESSIE E HILL**...*RESIDENTIAL*
1039 **ALFONZO SMITH**...*RESIDENTIAL*
1039 **GLADYS BENNETT**...*RESIDENTIAL*
1043 **EARNIE WILLIAMS**...*RESIDENTIAL*
1044 **MILDRED SMITH**...*RESIDENTIAL*
1046 **HELEN GRASPER**...*RESIDENTIAL*
1048 **KEVIN L DURMS**...*RESIDENTIAL*

2008 PEACH AVE

SOURCE: DIGITAL BUSINESS DIRECTORY

983 **CASSIE MIERS**...*RESIDENTIAL*
983 **CATRINA STARKS**...*RESIDENTIAL*
983 **JENNIFER GRADY**...*RESIDENTIAL*
983 **NICOLE GRIFFIN**...*RESIDENTIAL*
999 **ANTIWANDA GRAY**...*RESIDENTIAL*
999 **ELVIN GARRETT**...*RESIDENTIAL*
999 **PEGGY CASEY**...*RESIDENTIAL*
999 **VICKIE MOORE**...*RESIDENTIAL*
1031 **LARRY BATTS**...*RESIDENTIAL*
1031 **RAHEEM BENSON**...*RESIDENTIAL*

2003 DECATUR ST

SOURCE: DIGITAL BUSINESS DIRECTORY

270 **JAMES M FRANKLIN**...*RESIDENTIAL*
274 **GERALDINE LETCHER**...*RESIDENTIAL*
278 **LOUISE DAVIS**...*RESIDENTIAL*
286 **ETHEL R HOOKS**...*RESIDENTIAL*
290 **DORRON ORANGE**...*RESIDENTIAL*
296 **IDA THOMPSON**...*RESIDENTIAL*
298 **L & L SUPERMARKET**
324 **COLUMBUS BAPTIST CHURCH**
327 **BETTY J WELLS**...*RESIDENTIAL*
327 **D STONE**...*RESIDENTIAL*
331 **JULIE A HENRY**...*RESIDENTIAL*
331 **RANADA CATHEY**...*RESIDENTIAL*
333 **DEBRA L JOHNSON**...*RESIDENTIAL*
333 **DOLLIE M HEARN**...*RESIDENTIAL*
333 **GREGORY CLARK**...*RESIDENTIAL*
333 **SUSIE SWAUNCY**...*RESIDENTIAL*
337 **BARBARA REED**...*RESIDENTIAL*
343 **MYRTIS LEE CAUSEY**...*RESIDENTIAL*
384 **PROVIDENCE AME CHURCH**
387 **MOSE DENNIS**...*RESIDENTIAL*
397 **KIMBERLY NORMAN**...*RESIDENTIAL*

2003 DELMAR AVE

SOURCE: DIGITAL BUSINESS DIRECTORY

919 **BOYS & GIRLS CLUB OF MEMPHIS**
929 **JESSIE MAHAN DAY CARE CTR**
947 **DOROTHY CULLENS**...*RESIDENTIAL*
947 **JOHNNIE M CRIBBS**...*RESIDENTIAL*
947 **ROSIE LEE ALLEN**...*RESIDENTIAL*
980 **ELIZABETH GORDON**...*RESIDENTIAL*
1000 **DORIS JONES**...*RESIDENTIAL*
1000 **JEANIE WASHINGTON**...*RESIDENTIAL*
1000 **VERNITA GOODMAN**...*RESIDENTIAL*
1039 **GLADYS BENNETT**...*RESIDENTIAL*
1039 **WILL HENRY HOWARD**...*RESIDENTIAL*
1044 **SHIRLEY ORANGE**...*RESIDENTIAL*
1045 **NELLIE M MRS REED**...*RESIDENTIAL*
1048 **BRENDA A ARNOLD**...*RESIDENTIAL*

2003 PEACH AVE

SOURCE: DIGITAL BUSINESS DIRECTORY

983 **LORETTA KIZER**...*RESIDENTIAL*
999 **ELVIN GARRETT**...*RESIDENTIAL*
999 **LACEY PADRTA**...*RESIDENTIAL*
999 **REBECCA JACKSON**...*RESIDENTIAL*

2000 DECATUR ST

SOURCE: DIGITAL BUSINESS DIRECTORY

270 **JAMES M FRANKLIN**...*RESIDENTIAL*
274 **GERALDINE LETCHER**...*RESIDENTIAL*
278 **LOUISE DAVIS**...*RESIDENTIAL*
286 **ETHEL R HOOKS**...*RESIDENTIAL*
292 **EMMA KNOX**...*RESIDENTIAL*
296 **IDA THOMPSON**...*RESIDENTIAL*
298 **L & L SUPERMARKET**
300 **TURNING POINT SNACK BAR**
324 **COLUMBUS BAPTIST CHURCH**
327 **BETTY J WELLS**...*RESIDENTIAL*
327 **RENEE GUNTER**...*RESIDENTIAL*
331 **JULIE A HENRY**...*RESIDENTIAL*
333 **DEBRA L JOHNSON**...*RESIDENTIAL*
333 **DOLLIE M HEARN**...*RESIDENTIAL*
333 **GREGORY CLARK**...*RESIDENTIAL*
333 **SUSIE SWAUNCY**...*RESIDENTIAL*
337 **BARBARA REED**...*RESIDENTIAL*
343 **JOYCELLYN FOSTER**...*RESIDENTIAL*
343 **MYRTIS LEE CAUSEY**...*RESIDENTIAL*
343 **ORMAN GRAHAM**...*RESIDENTIAL*
343 **SHARON TAYLOR**...*RESIDENTIAL*
384 **PROVIDENCE AME CHURCH**
387 **MOSE DENNIS**...*RESIDENTIAL*
397 **ROBERT ANDERSON**...*RESIDENTIAL*

2000 DELMAR AVE

SOURCE: DIGITAL BUSINESS DIRECTORY

919 **BOYS & GIRLS CLUB OF MEMPHIS**
929 **JESSIE MAHAN DAY CARE CTR**
948 **PRISCILLA BROWNLEE**...*RESIDENTIAL*
980 **ELIZABETH GORDON**...*RESIDENTIAL*
980 **MABLE WILLIAMS**...*RESIDENTIAL*
1000 **JEANIE WASHINGTON**...*RESIDENTIAL*
1000 **VERNITA GOODMAN**...*RESIDENTIAL*
1039 **REGINA WEST**...*RESIDENTIAL*
1039 **WILL HENRY HOWARD**...*RESIDENTIAL*
1045 **M MRS REED**...*RESIDENTIAL*

2000 PEACH AVE

SOURCE: DIGITAL BUSINESS DIRECTORY

983 **DEIDRE AUSTIN**...*RESIDENTIAL*
999 **ELVIN GARRETT**...*RESIDENTIAL*
999 **LACEY PADRTA**...*RESIDENTIAL*
1027 **S M JONES**...*RESIDENTIAL*

1995 DECATUR ST

SOURCE: COLE

236	NP
242	NP
249	SABRINA PERSON
249	SHARON CAMPBELL
262	LOUIE GROCERY
270	JAMES M FRANKLIN
274	GERALDINE LETCHER
278	LOUISE DAVIS
283	NP
286	MRS ETHEL R HOOKS
290	NP
292	EMMA KNOX
296	IDA THOMPSON
298	SIT & CHEW SPRMRKT
300	TURNING POINT SNCK
310	NP
312	NP
314	NP
320	NP
322	NP
324	COLUMBUS BAPT CHRH
327	APARTMENTS
327	BETTY JEAN WELLS
327	RENEE GUNTER
328	NP
331	JULIE ANN HENRY
332	NP
333	APARTMENTS
333	MULTI TENANT RESIDENTIAL
334	NP
337	BARBARA REED
343	APARTMENTS
343	MULTI TENANT RESIDENTIAL
346	NP
348	NP
376	NP
381	NP
383	NP
384	PROVIDENCE AME CHR
387	MOSE DENNIS
390	NP
391	NP
395	NP
397	ROBERT ANDERSON
413	LIBRTY SUPRMRKT 3
456	COTN STS WINNELSON
246	NP
350	NP

1995 DELMAR AVE

SOURCE: COLE

919	BOYS CLUB MEMPHIS
929	JESSIE MAHAN DY CR
948	NP
980	APARTMENTS
980	ELIZABETH GORDON
980	MABLE WILLIAMS
1000	APARTMENTS
1000	JEANIE WASHINGTON
1000	V GOODMAN
1039	APARTMENTS
1039	REGINA WEST
1039	WILL HENRY HOWARD
1043	NP
1044	NP
1045	MRS NELLIE M REED
1046	NP
1048	NP
1052	MICHAEL WEBB
1054	NP
1055	ROBERT ADAMS JR
1056	NP
1057	NP
1058	NP
1059	NP
1060	NP
1061	NP
1062	NP
1050	NP
1051	NP

1995 PEACH AVE

SOURCE: COLE

983	DEIDRE AUSTIN
999	APARTMENTS
999	ELVIN GARRETT
999	LACEY PADRTA
1027	S M JONES
1031	NP
1208	NP
1210	TIFFANY ARNOLD
1266	TAMMY CHAVEZ
1270	NP

1990 DECATUR ST

SOURCE: COLE

251	CHRISTINE LOCKETT
253	KIMBER WILLAMS
262	LOUSE GROCER
263	FAVE DIVER
263	JERRY NOEL
270	JAMES M FRANKLIN
274	GERALDING LETCHER
278	LOUISE DAVIS
286	MRS E THE R HOOKS
290	CARE WARE
290	IDA WARE
291	CHRISTOPHER JONES
291	DAISY JONES
291	MAN WALKE
292	EMMA KNOX
295	BETTE BANKS
295	PATRICIA BVERS
296	IDA THOMPSON
298	SIT & CHEW SUPERMARKT
300	TURNING POINT SNAK
303	LENORA REDMOND
303	LILLE WHITE
310	NP
312	NP
322	NP
324	COLUMBUS BAPT CHRH
327	BETTY JEAN WELLS
328	NP
331	ELLA M CATHY
331	EVELYN ALLEN
331	REGINALD HARRIS
332	NP
333	CHARLES E TAYLOR
333	DEBRA JOHNSON
333	GREPPORY CLARK
333	NANCY JACKSON
334	NP
337	DAVID DONALDSON
337	RODECICK WEBB
343	CAROLYN HARRINGTON
343	EFFE A SIMMONS
343	NAPOLEON SPIVEY
348	NP
350	WILLE J MALLETT
376	NP
381	NP
383	NP
384	PROVIDENCE AME CHR
384	REV WE MITCHELL
387	MOSE DENNIS
390	BARBARA PAYME
391	NP
395	ALEXANDER ALLEN
397	MARY F S
413	LIBERTY SPWMRKT 3
456	COTTON STS SUPPLY
462	ABEX DISTRIBUTORS
467	LUELLA WILSON
470	REDI-SPED CO
314	NP
320	NP

1990 DELMAR AVE

SOURCE: COLE

919	DIXIE HOMES BOYS CLUB
929	JACKIE MAHONE DRY CR
929	MAHONE DAY CARE CTR
946	DOROTHY JONES
946	ROSE TYRELL
947	MULTI TENANT RESIDENTIAL
948	ANDRE M ALLEN
979	ARTHUR BOWEN
979	ROBERT J HILL
979	WILLIE B FLOWERS
980	CHARLES E BAILEY
980	INEZ MARIE CLARK
980	MARTHAN TAYLOR
1000	PATRICIA BROOKINS
1000	VERNETA A GOODMAN
1001	CARRIE L WILLIAMS
1001	JAMES HESTER
1001	MILTON SMITH
1001	THELMA R JONES
1039	AMBROSE BENNETT
1039	WILL HENRY HOWARD
1043	NP
1045	LAMAR O LOWERY
1045	MRS NELLIE M REED
1048	JOEL BOYD
1050	NP
1051	NP
1052	DELIA R BATIER
1054	NP
1055	ROBERT ADAMS
1056	NP
1057	NP
1058	WILLIS REDD
1059	ANTONIO CARPENTER

1990 PEACH AVE

SOURCE: COLE

983	ALBERT RICHARDSON
983	LORETTA KIZER
983	QUEEN E RICHARDSON
999	ELWN GARRETT
999	PEGGY ANN GARRETT
1027	S M JONES
1031	NP
1208	JOE L JACKSON
1305	BILL BRASHIER

1985 DECATUR ST

SOURCE: COLE

249	M THOMAS
251	MULTI TENANT RESIDENTIAL
262	LOUIE GROCERY
262	MERRIWETHER IN
270	NP
274	GERALDINE LETCHER
278	LOUISE DAVIS
283	INEZ MARIE CLARK
286	MRS ETHEL R HOOKS
290	EMMA KNOX
291	FLORA JOHNES
291	MILTON SMITH
292	ACIE JONES
293	NP
295	MULTI TENANT RESIDENTIAL
296	IDA THOMPSON
298	SIT & CHEW SUPERMRKT
300	CHARLES SNACK STND
303	HAROLD L OWENS
310	NP
312	NP
314	NP
322	NP
324	COLUMBUS BAPT CHRH
324	REV A E CAMPBELL
327	BETTY JEAN WELTS
327	MOZELAR PUGH
328	ALBERTA BROWN
328	MISS WILLIE M HILL
331	ELLAMENTRA KING
332	LUCILLE WRIGHT
333	CHARLES E TAYLOR
333	EDWARD GILES
333	MICHELLE BROWN
334	NP
337	BRIGITT PREYER
337	ELDRED MILLER
343	CAROLYN HARRINGTON
343	CHARLIE AYERS
343	EVELYN EDWARDS
343	NAPOLEON SPIVEY
343	SHERRIE JOHNSON
346	NP
348	SELENE WADE
350	WILLIE J MALLETT
376	NP
376	OVERTON PARK 1
381	NP
383	ML COLEMAN
384	PROVIDENCE AME CHR
384	REV W E MITCHELL
384	REVR WE MITCHELL
387	MOSE DENNIS
391	NP
395	ALEXANDER ALLEN
397	MARY F SWIFT
413	JOHNS SUPERMARKET
456	COTTON STS SUPPLY
462	ABEX DISTRIBUTORS
470	STEIN MART PRINT
320	NP

1985 DELMAR AVE

SOURCE: COLE

919	DIXIE HOMES BYS CB
929	JESSIE MAHAN DY CR
929	MAHAN DAY CARE CTR
947	DEBORAH D HUNTER
947	ROY ELVIN ESTES
948	DOROTHY JONES
948	FLORENCE SEYMORE
979	ARTHUR BOWEN
979	MARY D NEWBY
979	MOSE LEWIS SR
979	WALTER SIDNEY
980	LOTTIE SCHAEFFER
980	ROSELLA CRAWFORD
980	YVETTE BAKER
1000	PATRICIA BROOKINS
1000	ROBBIE J TODD
1000	VANESSA M PARTEE
1001	ANNETTE SEYMOUR
1001	CLEO THOMAS
1001	HERBERT JAMES
1001	MARY CURRY
1001	ROBENA HADLY
1039	AMBROSE BENNET
1043	BETTY J DILWORTH
1045	MRS NELLIE M REED
1046	NP
1050	HATTIE MULLINS
1051	LULA MAE SCOTT
1054	HENRY L HARRIS
1056	NP
1057	FANNIE K CHATMAN
1058	WILLIS REDD
1059	NP
1061	NP
1063	GEORGE C SMITH
1065	NP

1985 PEACH AVE

SOURCE: COLE

983	ANNIE MAE ROYSTON
983	LILLIE WHITE
999	ELVIN GARRETT
999	GEAN TRIBBITT
999	PEGGY ANN GARRETT
999	WILLIE HESTER
1027	S M JONES
1031	JIMMIE HOWARD
1208	JEFF JACKSON
1210	B M MOBLEY
1266	NP

1980 DECATUR ST

SOURCE: COLE

262	NP
266	S & C LAUNDRY
270	NP
274	GERALDINE LETCHER
283	INEZ CLARK
283	MARJORIE LACY .
283	MRS RUTH LACY
286	MRS ETHEL R HOOKS
290	EMMA KNOX
291	JOHNNIE M PERKINS
291	MILTON SMITH
292	NP
293	NP
295	BESSIE GASTON .
295	BETTIE BANKS
295	SHARON JOHNSON
295	VASSIE HENDERSON
296	MARSHALL VAULX
298	SH & CHEW SUPRMRKET
300	PEPPERS BURGER BAR
303	CHARLOTTE DAVIS
303	HAROLD L OWENS
303	MARY PRYOR
303	NATHANIEL HILLIARD
310	NP
312	NP
314	NP
320	NP
322	NP
324	COLUMBS BAPT CHRCH
324	REV A E CAMPBELL
327	BETTY JEAN WELLS .
327	MARY LOUISE COLE
327	MOZELAR PUGH
328	ALBERTA BROWN
328	MISS WILLE M HILL .
331	ELLAMENTRA KING
331	ODESSA MCKINNIE ...
332	LUCILLE WRIGHT
333	MULTI TENANT RESIDENTIAL
334	MRS A CUNNINGHAM
337	ELDER C PREYER
337	RODIE HAMER
343	MULTI TENANT RESIDENTIAL
346	MRS LOLA MILLER
348	SELENE WADE
350	SOFIE TILLIE
376	NP
381	NP
383	M L COLEMAN
384	PROVIDENCE AME CHR
384	REV JAMES L GLEESE
387	MOSE DENNIS
391	JAMES BOYD
395	NP
397	MARY F SWIFT
413	SAM & DAVES SUPRMRKT
413	WEONA FOOD STORE
456	COTTON STS SUPPLY
462	ALLIED MICROFILM
462	SAM ZULIA
470	CENTRI TYPSTTG SVC

1980 DELMAR AVE

SOURCE: COLE

947	PAMELA TAYLOR
947	ROY ELVIN ESTES
948	MULTI TENANT RESIDENTIAL
979	ARTHUR BOWEN
979	MOSE LEWIS SR
980	KATE GAINES
1000	LOIS E ASKEW
1000	WILLIE BAKER ..
1000	WILLIE P JOHNSON .
1001	MRS BEATNCE REED
1001	ROBERTA HADLY
1046	SHIRLEY PRICE
1050	HATBE MULLINS
1056	LOTTIE M MARSHALL
1057	FANNIE K CHATMAN
1061	ROMA WILLIAMS
1063	GEORGE C SMITH
1065	ELIZABETH A WRIGHT
1065	JOHNNY G WRIGHT

1980 PEACH AVE

SOURCE: COLE

300	DECATUR INTS
963	CHARLENE HORTON
963	MAE ALICE HARRIS
963	VERNETHA MALONE
999	ALBERT HUNT
999	ELVIN GARRETT
999	GEAN TRIBOTT
999	PEARL B DAVIS
999	PEGGY ANN GARRETT
1027	S M JONES
1031	MATTLE L RICHMOND
1208	NP
1210	B M MOBLEY
1266	JAMES WISEMAN
1270	MRS D W CANALE
1270	PAT MCHUGH
1292	J D PRICE

1975 DECATUR ST

SOURCE: COLE

251	MULTI TENANT RESIDENTIAL
262	AP
270	AP
274	GERALDINE LETCHER
283	MULTI TENANT RESIDENTIAL
286	MRS ETHEL R HOOK
290	EMMA KNOX
291	MULTI TENANT RESIDENTIAL
292	EUGENE BUTLER
293	IMARY HEMINGWAY
293	MARY E DICKERSON
295	BETTIE BANKS
295	JIM HENDERSON
296	MARSHALL VAULX
298	SITE CHEW SUPRMAKT
303	MULTI TENANT RESIDENTIAL
310	NP
312	NP
314	NP
320	NP
322	NP
324	COLUMBUS BAPTIST
324	REVA E CAMPBELL
327	ETHEL RODGERS
327	JIMMIE LEE BANKS
327	JOSEPHINE SEYMOUR
327	MOZELAR PUGH
327	MRS ML WILLIAMS
328	WN WILBURN
331	IRMA JEAN JOHNSON
331	ODESSA MCKINNIE
331	ROBERTA HADLY
333	PEARLIE MAE MOORE
333	RCSIF SHELTON
334	EDDIE GRANDEERRY
337	MULTI TENANT RESIDENTIAL
343	MULTI TENANT RESIDENTIAL
346	MRS IOLA MILLER
350	ALBERTA SMITH
376	JOHNNY MILLER
381	POBERT L HARVEY
383	MODESSA COLEMAN
384	JAMES L GLEE SE
384	PROVIDENCE AME CH
387	MOSE DENNIS
391	CLIFTON BREMBERT
395	JAMES T TAYLOR
397	MARY F SWIFT
413	SAME CAVES SUPERMKT
413	WEGNA FOOD STORES
450	COLLINS HANNA
456	COTTON STATS SUPLY
462	BRONCO BLOG SVCS
462	BRONCO CHEMICALS

1975 DELMAR AVE

SOURCE: COLE

822	BARBARA CONLEY
919	BOYS CLB OF MEMPHS
929	HEALTH CIXIE HCMES
929	MAHAN DAY CARE
947	MARY E JACKSCN
948	MULTI TENANT RESIDENTIAL
979	ADDIE P JACKSON
979	ARTHUR BOWEN
979	MOSE LEWIS SR
980	KATIE GAINES
980	MRS C VF BURROW
980	ROSELLA CRAWFCRD
1000	CLARENCE BAKER
1000	WILLIE BAKER
1001	MULTI TENANT RESIDENTIAL
1039	RICE HARDY
1040	NP
1042	NP
1043	NP
1044	ANNIE E AUSTIN
1045	FREDDIE REED
1048	LILLIE WALKER
1049	LURLEAN TATUM
1050	HATTIE MULLINS
1051	NP
1052	RESSIE GRAY
1054	HENRY L HARRIS
1055	NP
1056	JOYCE FITCH
1057	WILLIAM CHATMAN
1058	FANNIE MAE FRISON
1059	LULA M BURCHFIELDS
1060	ETHEL W SMITH
1061	) RCMA WILLIAMS
9798	JOHN FRANKLIN

1975 PEACH AVE

SOURCE: COLE

983	CHARLENE HORTON
983	TINY LEE FLOYD
983	VERNETHA MALONE
999	ALBERT HUNT
999	ELVIN GARRETT
999	MAE LIZZIE BOYLAND
999	MODEAN ADDISON
999	NP
999	PEGGY ANN GARRETT
1027	NP
1031	NP
1208	STEVEN T BROWN
1210	B M MOBLEY

1970-71 DECATUR ST

SOURCE: COLE

251	MULTI TENANT RESIDENTIAL
262	D LEACH 6
262	STELLA LEACH
266	SWISS LAUNDRY
270	ROY WAINWRIGHT
274	GERALDINE LETCHERS
283	MULTI TENANT RESIDENTIAL
286	MRS ETHEL R HOOKS
290	EMMA KNOX 8
291	JAMES CODIE 4
292	EUGENE BUTLER
293	MULTI TENANT RESIDENTIAL
295	MULTI TENANT RESIDENTIAL
296	MARSHALL VAULX
298	SIT & CHEW SUPERMRKT
300	SAMS RANCHBURGERS
303	MULTI TENANT RESIDENTIAL
310	F M HINES 8
312	ROBERT CHAMPION
314	W C WALLS
320	ODELL THOMPSON
324	COLUMBUS BAPT CH
324	REV A E CAMPBELL
327	MULTI TENANT RESIDENTIAL
328	W N WILBURN
331	MULTI TENANT RESIDENTIAL
333	MULTI TENANT RESIDENTIAL
334	EDMONIA PARKER 8
337	MULTI TENANT RESIDENTIAL
343	MULTI TENANT RESIDENTIAL
346	MRS IOLA MILLER
376	JOHNNY W MILLER D
381	ROBERT L HARVEY
383	MODESSA COLEMAN 9
384	JAMES L GLEESE
384	PROVIDENCE AME CH
387	MOSE DENNIS
391	CLIFTON B REMBERTS
395	JC DONOHO
397	MARY F SWIFT
413	GIBSON FOOD PLAN
413	SAM&DAVES SPRMRKT
413	WEONA FD STRE
419	BLUFF CITY WRECKNG
419	THOMPSON WRECKG CO
456	COTTON STATS SUPLY
462	BRONCO BLDGMAINT
462	BRONCO CHEMICALS
462	E L BRUCE CHEMICLS

1970-71 DELMAR AVE

SOURCE: COLE

919	BOYS CLUB OF MEMPHIS
929	J MAYHAN DAY CARE
929	MAHAN DAY CARE CTR
947	BESSIE LEE HANCOCK
947	MRS J M ROYSTER
948	DOROTHY JONES
948	EMMA MEEKS
948	FLORENCE SEYMORE
948	SAMUEL LATHAM
979	ARTHUR BOWEN
979	BJOHN FRANKLIN
979	MOSE LEWIS SR
979	WILLIE JACKSON
979	WILLIE MACKLIN
980	KATIE GAINES
980	MRS C V F BURROW
980	NANNIE JOHNSON
980	WILLIE MAE HICKMON
1000	ELOR A C FORHAS
1000	LCUIS E HOLLIDAY
1001	CARL ROBINSON
1001	EDWARD D NEAL
1001	ERMA PUTNEY
1001	HERBERT JAMES
1001	MAMIE BERRY
1001	MARY CURRY
1039	GLADYS BENNETT
1040	FRANCES SEYMOUR
1042	FELIX HUDSON
1044	MYRIA POPLAR
1045	FREDCIE REED
1048	MARTHA M THOMAS
1049	JAMES TAYLOR
1049	SAMUEL PUGH
1050	JESSE J JOHNSON
1051	MRS M HENDERSON
1052	LUMMIE MARSHALL
1053	HENRY L HARRIS
1055	MARGARET ADAMS
1057	WILLIAM CHATMAN
1059	LULA M BURCHFIELDS
1059	WATTS HENLEY
1060	ALICE MAE WRIGHT
1060	FRANCES SEYMOUR

1970-71 PEACH AVE

SOURCE: COLE

983	NAPOLEON HILL
999	ALBERT HUNT
999	DOROTHY TRUESBY
999	MAE LIZZIE BOYLAND
999	MODEAN ADDISON
1027	S M JONES
1208	MISS K E PRICE
1216	B M MOBLEY
1266	JOHN P HANSON JR
1270	MRS ADA L WOLF
1270	MRS B MONAGHAN
1270	PAT MCHUGH

1966 DECATUR ST

SOURCE: POLKS

0	COSTON MARVIN
0	HOOPER IDA M MRS
0	JONES WILLIE
0	WEBB NELSON
0	WEBBER LILLIE B MRS
261	BIG BUNDLE LAUNDERETTE
270	WAINWRIGHT ROY
274	LETCHER MAMIE MRS
278	COOK WILLIE
283	APARTMENTS
286	HOOKS ETHEL R MRS
286	WHITFIELD CALVIN J
291	APARTMENTS
292	BUTLER EUG
293	APARTMENTS
295	APARTMENTS
296	VAULX MARSHALL
298	LUCKY FOOD STORES
300	RANCH BURGER RESTR
303	APARTMENTS
310	JOHNSON FELIX
312	CHAMPION ROBT
314	MILLER MOSE
316	WATSON ABR
318	JONES MILDRED MRS
320	WILLIS FRED
322	COLUMBUS BAPTIST CHURCH
326	STARKS PAULINE MRS
327	APARTMENTS
328	WILBURN WILLIE N
331	APARTMENTS
332	NEWBORN CHARLIE
333	APARTMENTS
333	BYARS MAXINE MRS
337	APARTMENTS
343	APARTMENTS
346	MILLER ROSA I MRS
348	WILLIS DOROTHY M MRS
354	VACANT
362	ROSS VIOLA MRS
366	VACANT
370	VACANT
374	VACANT
378	FOSTER CHARLIE
381	HARVEY ROBT L
383	HAMILTON EVA L MRS
387	DENNIS MOSE
389	PROVIDENCE A M E CHURCH
391	REMBERT CLIFTON B
393	VACANT
394	GLEESE JAMES L REV
395	DONOHO WILLIE M MRS
397	SWIFT MARY F MRS
398	BARNETT LEMORA MRS
413	SAM & DAVE'S SUPER MARKET
415	BLUFF CITY WRECKING CO
422	MEMPHIS LIGHT GAS & WATER
422	VACANT

1966 DELMAR AVE

SOURCE: POLKS

822	VACANT
929	MAHAN JESSIE CENTER INC
947	DIXIE HOMES APTS
947	MULTI TENANT RESIDENTIAL
948	APARTMENTS
948	MULTI TENANT RESIDENTIAL
979	APARTMENTS
979	MULTI TENANT RESIDENTIAL
980	APARTMENTS
980	MULTI TENANT RESIDENTIAL
1000	APRTMENTS
1000	MULTI TENANT RESIDENTIAL
1001	APARTMENTS
1001	MULTI TENANT RESIDENTIAL
1039	BENNETT GLADYS MRS 272-1271
1040	REDMOND EARL
1042	WALKER ANNIE MRS
1043	WILKS ALLIE M MRS
1044	CAMPBELL ED
1045	REED FREDDIE 276-3533
1046	NO RETURN
1047	THOMPSON IDA
1048	RUTH WILLIE MRS
1049	PUGH WILLIE M MRS
1049	REAR EDWARDS ROBERTA MRS 276-2539
1050	ASTIN SALLY W MRS
1051	HENDERSON LOUIS 272-1425
1051	REAR CASH KATH MRS
1052	MARSHALL LUMMIE MRS 275-61 04
1053	DOUGLAS A C
1054	ADAMS ROBT L 2
1054	REAR WARD OSIE D 276-8713
1054	VACANT
1056	PROFIT DELWORTH
1057	CHATMAN WM 276-6761
1058	HENLEY WATTS 275-6937
1059	BURCHFIELDS ALBE 276-6154
1060	SEYMOUR FRANCES MRS
1061	WILLIAMS ROMA
1062	SMITH ONA MRS
1063	SMITH GEO C 275-0391
1065	WRIGHT JOHNNY G 276-6622
1066	CHILES APARTMENTS

1966 PEACH AVE

SOURCE: POLKS

1027	BUTLER LOZIE B
1031	WILLIAMS HELEN
1208	NICKELS LESLIE A MRS
1210	MOBLEY ANNA L MRS
1266	NO RETURN
1270	MC HUGH MARGT MRS
1270	WOLF ADA L MRS
1292	PRICE JAMES D

1962-63 DECATUR ST

SOURCE: DIRECTORY PUBLISHING CO

250	W H ROUNSAVILLE
251	JNO A CATRON
252	MRS IDA HOOPER
258	MINNIE WILLIAMS
262	DIXIE HOMES SNACK BAR
270	ROY WAINWRIGHT
283	LULA ANN JOHNSON
286	MRS ETHEL R HOOKS
291	CALVIN WHITFIELD
291	MRS NORMA CARTER
292	EUGENE BUTLER
298	LUCKY FOOD STORES
298	WILLIE J BEALE
299	MARSHALL VAULK
302	CHARLOTTE DAVIS
303	ERNESTINE MACKLIN
303	LOREANER OLIVER
303	WILLIE M HOLLOWAY
312	ROBT CHAMPION
314	JIMMIE MATHEWS
327	MOZELAR PUGH
328	ROSIE B SHAW
328	W N WILBURN
331	ALVIN BARRINGER
332	CHARLIE NEWBORN
333	JAS E SHELTON
333	VERA Z PETERSON
336	ESTELLA TUGGLE
336	LOUIS MACKLIN
336	MAXINE BYERS
343	ANNIE PEARL BRADEN
343	EVELYN EDWARDS
343	JIMMY BRADEN
343	MRS BEATRICE BRADEN
346	FANNIE LARRY
346	MRS IOLA MILLER
357	CLARENCE DANIEL
357	DOROTHY M WILLIS
357	JOS RICHARDSON
357	MINNIE L HARMON
362	CORINNE REED
366	ROSIE MOORE
370	ELTON A MOSS
370	LOUELLA WILSON
376	B L WATSON
376	ESSIE SEWARD
377	WEST A WEBB JR
381	ROBT L HARVEY
383	EVA HAMILTON
388	MOSE DENNIS
390	REV E PAUL BEAVERS
393	REV W M FIELDS
394	ARTHUR MORRIS
395	J C DONOHO
398	MARY F SWIFT
399	G W BARNETT SR
411	LIBERTY CASH GROC
413	BLUFF CITY WRECKING
417	W J RIGG CUT STONE CO
456	COTTON STATES SUPL CO INC
462	TUBE LIGHT CO

1962-63 DELMAR AVE

SOURCE: DIRECTORY PUBLISHING CO

929 MAHAN DAY CARE CTR
947 DIXIE HOMES
947 ELLIS JETT
947 MRS ALMA JORDAN
948 EMMA MEEKS
948 JUANITA SANDERS
948 OLLIE MEEK
979 CALLIE ROBERTS
979 LENA MABONE
979 WILLIE JACKSON
980 BEULAH J HAYES
980 BEULAH MOBLEY
980 KATIE GAINES
980 LENA MAE TRAVIS
980 MATTIE BROWN
1000 EARNIA FONDERN
1000 ELDR A C FORHANS
1000 MAMIE BERRY
1000 SAM A MILLER
1001 JOHNNY FERRELL
1039 GLADYS BENNETT
1040 PHILLIP BLANCHARD
1042 WASH WALKER
1045 CONSTANCE GERMAN
1045 FREDDIE REED
1049 ROBERTA EDWARDS
1049 RUBY MABEN
1051 BILL C ROBERTS
1051 CHARLIE RIVERS
1051 CLARA ROGERS
1051 CLIFF LEE SMITH
1051 LULA BURCHFIELDS
1051 MINNIE YOUNG
1051 MRS MINNIE
1051 TALMAGE MARSHALL
1051 WATTS HENLEY
1051 WM CHATMAN

1962-63 PEACH AVE

SOURCE: DIRECTORY PUBLISHING CO

945 DIXIE HOMES
945 GEORGIA L WALKER
945 MARTHA N LEE
947 CORA WILLIAMS
947 ELSA INGRAM
947 JAS COX
947 LEXOLA TOWNSEND
949 ALZADAY WILKINS
949 DOROTHY JONES
949 LEN L WILKINS
970 C SATTERFIELD
970 DOROTHY GREEN
976 GOLDEN LEAF BPT CH
983 BOBBIE WOODS
983 CALLIE STEWART
983 IRENE BURFORD
983 MATTIE WRIGHT
983 NAPOLEON HILL
985 MARY E GILMORE
986 BURNIE WRIGHT
986 R ROLLEN JR
997 BEN THOS ADAMS
997 MARY HILL
997 PAULINE DIXON
999 CORRIE SMITH
999 LULA CRUTCHFIELD
1001 CLARA V DAVIS
1001 JAS EDW HIGGINS
1001 MINNIE STANTON
1001 RUBY JEAN DAVIS
1001 WILLIE P FORD
1027 HARZINE HOBSON
1027 HERBERT D HOBSON
1032 CALVIN GIPSON
1032 IVORY MCINTYRE
1058 CHARLIE SHAW
1058 CLAUDE LITTLEJOHN
1058 LEE J GORDON
1058 MRS W M FOSTER
1058 SALLIE GRIFFIN
1059 ALICE M BROWN
1059 ISIAH TUCKER
1059 REV E V TONEY
1064 ELIGE CHEATHUM
1064 ELIJAH CLEAVES
1064 GEO W JACKSON
1064 MRS F E MALONE
1072 CANARY RUTHERFORD
1072 JOSIE WINTERS
1072 LAWRENCE SPICER
1072 MRS R H WATSON
1072 RUTH WESTBROOK
1072 SELENE WADE
1072 WM L THOMPSON
1073 ROBT EDW LEE
1080 TOMMIE BROWN
1081 ANNA B GUDGER
1081 CLOVEE SOMERVILLE
1081 HALLIE SIMS
1081 HENRY DEAN
1081 JNO H TOWNSEND
1081 LEON BLEDSOE
1081 SARAH GUY
1082 CHAS W BONHART JR
1208 B M MOBLEY
1208 MRA W B NICKELS

1960-61 DECATUR ST

SOURCE: DIRECTORY PUBLISHING CO

262 DIXIE HMS SNACK BAR
270 ROY WAINWRIGHT
274 JAS LETCHER
278 WILLIE COOK
283 LULA ANN JOHNSON
286 MRS ETHEL R HOOKS
290 CALVIN J WHITFIELD
291 JAS CODIE
291 MRS NORMA CARTER
293 MRS MARLIE HORTON
295 EUGENE BUTLER
298 HAMP MARZETT
300 MARSHALL VAULX
303 CHARLOTTE DAVIS
303 JESSIE BRADFORD
303 LOREANER OLIVER
303 LUCKY FOOD STORES
303 PATTY-KREAM
303 WILLIE MAE HOLLOWAY
310 HAROLD TUCKER
312 ESTELLA CHAMPION
314 JIMMIE MATHEWS
320 ANNIE BURKS
324 COLUMBUS BAPT CHURCH
326 OLLIE HART
331 ALVIN BARRINGER
331 HERMAN T SHELTON
331 VERA Z PETERSON
332 CHARLIE NEWBORN
333 EMMA L RICHMOND
333 EMMA MAE MASON
336 ALBERTA DAVIS
336 ELIGE CHEATHOM
336 LIMMIE DAVIS
336 LOUIS MACKLIN
337 CHAS EDNA WALLS
337 JAS A FAIN
337 MARGARET E THOMPSON
343 EVELYN EDWARDS
343 FANNIE LARRY
346 MRS IOLA MILLER
350 CARL SMITH
350 DOROTHY MAE WILLIS
353 ELIJAH CLEAVES
356 CLARENCE DANIEL
359 FRED HARMON
362 CORINNE REED
364 ELIZA WILLIAMS
366 LOUELLA WILSON
366 ROSIE MOORE
368 ORA LEE DAVIS
370 ELTON A MOSS
373 B L WATSON
376 ESSIE SEWARD
377 WEST A WEBB JR
381 ROBT L HARVEY
383 EVA HAMILTON
387 MOSE DENNIS
390 REV J C MILLER
394 REV W M FIELDS
397 ARTHUR MORRIS
397 J C DONOHO
399 G W BARNETT SR
399 MARY F SWIFT
413 BLUFF CITY WRECKING CO
415 B & P GROC
419 WEONA FOOD STORES
427 W J RIGG CUTT STONE CO
430 COTTON STATES SUPL CO

1960-61 DELMAR AVE

SOURCE: DIRECTORY PUBLISHING CO

929 JESSIE MAHAN DAY CARE CENTER
947 ETHEL LEE PERRY
947 NAPOLEON HILL
947 PRILLY POWELL
947 WILLIE LEE SMITH
948 EMMA MEEKS
948 JUANITA SANDERS
948 OLLIE MEEK
948 REV W M MAXWELL
948 ROBT SHAW
979 CALLIE ROBERTS
979 LENA MABONE
979 OLIVIA STITT
980 BEULAH J HAYES
980 BEULAH MOBLEY
980 DAISY S DAVIS
980 KATIE GAINES
980 LEE DAVIS
980 LUCIOUS COSBY
980 MATTIE MAE BROWN
1000 BESSIE SIMMONS
1000 ELDR A C FORHANS
1000 ELDR E M FONDREN
1000 SAM A MILLER
1001 JAS CARSON
1001 JOHNNY FERRELL
1001 M E BRUCE
1001 MAMIE BERRY
1001 MRS JENNIE E LETCHER
1039 GLADYS BENNETT
1040 PHILLIP BLANCHARD
1040 PHILLIS LONG
1042 WASH WALKER
1044 ARTHUR BRADSHAW
1044 FREDDIE REED
1046 CONSTANCE GERMAN
1047 RUBY MABEN
1048 ROSA HOOF
1049 BILL CURTIS ROBERTS
1051 LENOIR VAULX
1051 MRS MINNIE HENDERSON
1052 TALMAGE MARSHALL
1053 MACK TAYLOR
1054 CLARA ROGERS
1055 MINNIE YOUNG
1056 WM CHATMAN
1060 WATTS HENLEY
1062 LULA M BURCHFIELDS
1064 CLIFF LEE SMITH
1065 ELIZABETH A WRIGHT
1065 GEO C SMITH
1065 JOHNNY G WRIGHT
1065 ROMA WILLIAMS

1960-61 PEACH AVE

SOURCE: DIRECTORY PUBLISHING CO

945 DIXIE HOMES
945 GEORGIA L WALKER
945 MARTHA N LEE
947 CORA WILLIAMS
947 ELSA INGRAM
947 JAS COX
947 LEXOLA TOWNSEND
949 ALZADY WILKINS
949 BESSIE B EALY
949 DOROTHY JONES
949 LEN L WILKINS
970 DOROTHY GREEN
972 CLIFTON SATTERFIELD
976 GOLDEN LEAF BAPT CH
981 CALLIE STEWART
981 FRANK HERRON
981 MATTIE WRIGHT
982 ALBERTA BROWN
983 INEZ I COSTON
983 IRENE BURFORD
983 LOVLA RODGERS
985 ALINE THOMAS
985 MARY E GILMORE
986 JAS E SHELTON
990 BLANCHE OWENS
997 BEN THOS ADAMS
997 CORRIE SMITH
997 JAS WILLIE HILL
999 GEO JENKINS
999 GEO T JAMES
999 LULA CRUTCHFIELD
999 SALLY A BROWN
1001 CLARA V DAVIS
1001 JAS EDW HIGGINS
1001 MINNIE STANTON
1001 RUBY JEAN DAVIS
1001 WILLIE P FORD
1002 SYLVIA L RICE
1032 CALVIN GIPSON
1032 IVORY MCINTYRE
1037 LEO F HALL
1038 CLAUDE LITTLEJOHN
1038 TURNER ARMSTRONG
1041 CHARLIE SHAW
1042 LEE J GORDON
1049 MISS WILLIE M WEBB
1049 SALLIE GRIFFIN
1056 CHARLIE RIVERS
1056 ISIAH TUCKER
1056 REV E V TONEY
1064 ALICE M BROWN
1065 MRS F E MALONE
1066 ADDIE EVERETT
1073 ROBT EDW LEE
1080 WM GODFREY SMITH
1081 J L EZEKIEL

1954 DECATUR ST

SOURCE: DIRECTORY PUBLISHING CO

70 total records. Part 1 of 2

242 MATTLE CRAWFORD
250 W H ROUNSAVILLE
262 GRAYSTONE GRILL
270 ROY WAINWRIGHT
274 MARCELLOUS JONES
278 WILLIE COOK
286 MRS ETHEL R HOOKS
290 CLARENCE MORGAN
292 EUGENE BUTLER
298 BIG STAR FD STORES
310 MARVIN HOLBROOK
312 ESTELLA CHAMPION
314 JIMMIE MATHEWS
316 MAEBELLE HOUSTON
320 MOZELLE WILLIAMSON
322 ULYSSES JOHNSON
324 COLUMBUS BAPTIST CH
327 FANNIE MAE BROOKS
327 HAWKINS WHITE
327 TYLER CAMERON
331 A L WHITE
331 ALVIN BARRINGER
331 DELORES GILMORE
331 JNO BLESCOE
332 MINNIE CARTER
333 CARSON DICKERSON
333 FRANK MASON
333 JAS DAVIS BROWN
334 ELISE CHEATHOM
336 LAWRENCE STRAUGHTER
336 LOUIS MACKLIN
336 MARTHA CARTER
336 MATTIE L HOUSTON
336 PERCY HINES
337 CHAS EDNA WALLS
337 ROBERT THOMPSON
338 ALBERT LITTLE
340 MINNIE WATT
340 PEARL NEWILL
341 CHRISTINE CITRON
341 JNO FRANK JOHNSON
345 MINNIE LARRY
346 MANOLA MILLER
347 JAS PURDIE
357 JNA THOMAS
357 LIMMIE LEE LOWERY
357 MINNIE MAE YOUNG
357 WIN H BROWN
362 JULIUS REED
366 ELIZA WILLIAMS
368 WALTER CATRON
370 ELTON A MOSS
370 ORA LEE DAVIS
373 B L WATSON
374 HUGH JONES
376 CHARLIE JOHNSON
376 WEST A WEBB JR
378 ROBT LEE MITCHELL
381 ROBERT L HARVEY
383 ELVIN HAMILTON
387 MRS CARRIE M SMITH
387 ORIE CARR
390 REV J C MILLER
390 REW W M FIELDS
393 G A DONOHO
393 JOSIE WILEY
393 MARY F SWIFT
409 B P GRO
409 WEONA FOOD STORES

1954 DECATUR ST

SOURCE: DIRECTORY PUBLISHING CO

Part 2 of 2

417 J H RIG CUT STONE

1954 DELMAR AVE

SOURCE: DIRECTORY PUBLISHING CO

929 MTS HOUSING AUTH
947 FANNIE B CHAMBERS
947 GEORGIA BLAKLEY
947 MRS S B JORDAN
947 NAPOLEON HILL
947 PRILLY POWELL
947 WM STILLS
948 MARY CURRY
948 OLLIE MEEK
948 SHANELL SETTLES
948 VERNON SAULSBERRY
949 OLIVER LOUIS JOHNSON
979 ELIZABETH PARTEE
979 JOE V SMITH
979 MILDRED QUALLS
980 COLIN WILLIAMS
980 DAISY S DAVIS
980 KATIE GAINES
980 THOMAS KNIGHT
980 WM BARROW
1000 ELDER E M FONDREN
1000 LILLIE MAE WILLIAMS
1000 LUCIOUS COSBY
1000 LULA CAMPBELL
1000 SAM A MILLER
1000 WM C BLACK
1001 ANNETTE JONES
1001 EVERGREEN JOHNSON
1001 MAMIE MCEWEN
1001 MATTIE LEE MCCOMBS
1001 MRS JENNIE E LETCHER
1039 GLADYS BENNETT
1040 PHILLIP BLANCHARD
1042 WASH WALKER
1043 ALLIE PICKENS
1044 ARTHUR BRADSHAW
1045 FREDDIE REED
1046 CONSTANCE GERMAN
1047 RUBY MABEN
1050 CLARA ROBERTS
1050 ROSA HOUF
1052 MARSHALL VAULX
1052 MARY ELLA BROWN
1054 CLARA ROGERS
1056 LOUISE WINTON
1057 WILLIAM CHATMAN
1058 WATTAS HENLEY
1059 LULA M BURCHFIELD
1060 JANET TAYLOR
1061 ROMA WILLIAMS
1063 JANET SMITH

1954 PEACH AVE

SOURCE: DIRECTORY PUBLISHING CO

945 GEORGIA LEE WALKER
945 LILLIE MAE EWELL
945 MARY BLANCHARD
945 WILLIE BELL MOORE
947 JAMES C MITCHELL
947 LEXOLA TOWNSEL
949 CLASSIE MAE LOWERY
956 EDDIE WADE
956 FRANK W HILL
956 WILLIA WALKER
958 MARGARET THOMPSON
958 MARY BURROWS HARRIS
958 MRS HITTIE PHILLIPS
972 CLIFTON SATTERFIELD
972 TOM WILSON
976 GOLDEN LEAF BAPT CH
981 HORACE P BELL
981 MAGGIE HEARON
981 MATTIE WRIGHT
983 ANDERSON WOODARD
983 ARTHUR ROBERSON
983 CLEVELAND D PEETE
983 J C BROWN
985 ELLA B COBURN
985 SUSIE MAE CONNER
986 SALLIE COX
991 BERNICE DORTCH
991 BLANCHE OWENS
991 FANNIE MATHES
993 ALBERT D DAVIS
993 CATHERINE NEWSOM
993 ROBT T NEWSOM
997 ANNIE BELL BROWN
997 FREDDIE LEE JONES
997 FREEMAN MCCHRISTON
997 JNO EVERETT JR
1001 CLARENCE MCDANIEL
1001 HELEN MILLER
1001 THELMA EVANS
1032 CALVIN GIPSON
1038 ALICE LITTLEJOHN
1041 CHARLIE SHAW
1041 EDDIE LEE WILLIAMS
1042 LEE J GORDON
1046 ALEX WEBB
1046 MISS WILLIE MAE WEBB
1049 JOHNIE GRIFFIN
1055 ISIAH TUCKER
1055 REV E V TONEY
1056 ALICE M BROWN
1056 WILLARD P MCGEE
1063 F E MALONE
1064 MARY R SPENCE
1065 RUTH PARKER
1072 MRS R H MCCUNA
1079 H M VAN ETTEN
1080 WM G SMITH
1081 J L EZEKIEL
1082 JOHN H MOORE
1082 THOMAS B MCGEE
1163 ELIDA HILTON BELL
1163 TL ANGLIN
1208 W B NICKELS
1210 B M MOBLEY

1948 DECATUR ST

SOURCE: POLKS

73 total records. Part 1 of 2

262 GRAYSTONE GRILL
266 BUCKHANAN WILLIE
270 WAINWRIGHT ROY
274 JONES MARCELLOUS
278 COOK WILLIE
283 BRATCHER J D JR
283 CAMPBELL HENRY
283 CRAIG THOS
283 HAYES SAML
283 WASHINGTON JONAS
286 JONES JULIUS
290 REDMOND FANNIE
292 FIELDS LILLIE
293 ADDISON ERNESTINE C
293 TAYLOR OSIE T
293 THOMPSON HATTIE W
293 WALKER IDA
295 BURNS SAML P
295 DUMAS CALVIN
295 HILL WALTER A
295 MCLEMORE JAS
295 WILLIAMS CARRIE
295 WRIGHT RUFUS C
296 ROBINSON BLANCHE
300 GOODRICH SALLIE
303 BRADFORD JESSE
303 CROWLEY CELESTIA O
303 MCVEY ALPHONSO
303 STOKES CLYDE
303 WEBSTER JESSE
310 HOLBROOK MARVIN
312 CHAMPION WM
314 MATTHEWS JAS
316 SHOTWELL SUSIE
320 WILLIAMS LONNIE
322 JOHNSON DELLA
324 COLUMBUS BAPTIST CH
328 WILLIAMS LIZZIE
332 CHEATHAM LOUIS
334 CHEATHAM ELIGE
336 BUSH ELLA
336 CARTER MARTHA
336 REDMOND VINA
336 SEWELL OZIE
338 BLOCK LESTER
340 COOK MATTIE
346 MILLER ROSA I MRS
362 DENT FRANK
362 REED JULIUS
364 WILLIAMS ELIZA B MRS
366 CATRON WALTER
368 TAYLOR MINNIE
368 WILSON VERA NURSE
370 MOSS ELTON
372 RAINEY DOLLIE
373 WATSON BENJ L
374 JONES HUGH
376 JACKSON LEE M
377 WEST A JR C
378 MITCHELL ROBT L
381 HARVEY ROBT L
383 HAMILTON EVA
387 SMITH CARRIE M
391 FIELDS WM M REV
394 BENNETT MINNIE
395 DONOHO JAS C
397 SWIFT MARY F MRS
398 BARNETT LAMORA MRS
409 B & P GROCERY

1948 DECATUR ST

SOURCE: POLKS

Part 2 of 2

409 NOBIN WOODROW W
413 ANDERSON MATTIE MRS
417 ERWIN ALVIN
417 LIBERTY COAL CO

1948 DELMAR AVE

SOURCE: POLKS

919 DIXIE HOMES POWER HSE
947 DIXIE HOMES
947 GAITHER EARL
947 HOWARD ABRAM H
947 JORDAN EUG
947 SAULSBERRY VERNON
947 SIMMONS LONNIE
947 SMITH WM
947 WILLIAMS WILL
948 BECKLEY MAURICE
948 CARTWRIGHT J L
948 CHAMBERS HORACE
948 HILL GEO R
948 HOWELL SAML M
948 NO RETURN
948 ROBERTS ANDREW J
949 NOLAN FRED L
949 SMITH WALTER
949 VACANT
949 WILLIAMS WILL
979 BOWEN ARTH H
979 COUNTS CHESTER
979 JEFFERSON SYLVESTER
979 MACLIN JOHNNIE
979 MORRISON MARTHA MRS
979 ROBO SAML
979 WORTHAM WM L
980 BYRD SADIE
980 CARTER AUGUSTUS
980 GLOVER FRED
980 KIRK JAS O JR
980 MOORE HARVEY P
980 PEARSON LEE A
980 STEWART HOSEA
1001 ALEXANDER JAS L
1001 BENTON BOOKES T
1001 HAYNES LEROY
1001 JOHNSON EVERGREEN
1001 LETCHER JENNIE
1001 NO RETURN
1001 REED FRED
1040 GUY STEPH T
1042 WALKER WASHINGTON
1043 STEEL LILLE
1044 MCFERRIN DUNEEN MRS
1045 REED FLORENCE
1046 GERMAN CALVIN
1047 EDWARDS ALONZO
1048 GILL HENRY
1050 MILLER LOUIS
1052 SMITH THEO
1053 HENDERSON LOUIS A
1054 ROGERS CHAS
1055 ADAMS LUCY
1056 WATSON ABE
1057 BROWN IRVING
1058 HENLEY WATTS
1059 LAMB ADA
1060 LINTON JEFF
1061 HALE ELLEN
1062 ROGERS JOHN H
1063 BUTTLER LILLIAN
1065 FRANKLIN RICHD

1948 PEACH AVE

SOURCE: POLKS

0	LEE TOM SWIMMING POOL
945	DIXIE HOMES
952	PAYNE GEORGIA
954	BRANCH JOE
956	VACANT
958	BROOKS HENRY L
962	EASLEY CHAS
968	HARRIS MARY
970	GREEN MATTIE
972	SATTERFIELD CLIFTON H
976	GOLDEN LEAF BAPTIST CHURCH
981	HICKS L V
981	JOE CYNTHIA
981	MURPHY THOS W PAPER HNGR
981	THOMAS SAM
982	BELL MARGT MRS
982	HARWELL JOHN
982	ISABEL LEM
982	WHITE CANARY
983	D JOHNSON CB
983	SMITH BRITTON IR
983	TATE ANDREW
983	TRAVIS ALONZA J
985	MULTI TENANT RESIDENTIAL
986	MULTI TENANT RESIDENTIAL
990	MULTI TENANT RESIDENTIAL
994	MULTI TENANT RESIDENTIAL
998	MULTI TENANT RESIDENTIAL
1002	MULTI TENANT RESIDENTIAL
1032	GIPSON CALVIN
1038	LITTLEJOHN CLAUDE
1041	SHAW CHAS
1042	GORDON LEE J
1046	WEBB ALEX
1046	WEBB THOS A
1049	GRIFFIN JOHNNY
1050	HARDY WILLIE
1055	TUCKER ISALAH
1056	WELLS ROBT F
1063	HARWELL THOS J
1063	TAYLOR ADA
1064	MALONE EVELYN C
1065	PARKER JOS
1072	KINKADE WALTER J
1073	VAN EATON HOBART M
1080	SMITH JOHN G O
1081	CATES WILLIE V
1082	MOORE JOHN H O
1163	CHOATS LEWIS
1208	NICKELS WM B O
1210	MOBLEY BEN MO
1266	STEPHERSON MELMOTH A

1943 DECATUR ST

SOURCE: POLKS

76 total records. Part 1 of 2

0	MEM P &L CO
262	BROWN LUNCH ROOM
266	TOLER ROSE
270	RYANS LEROY
274	HARWELL VIOLA
276	WAINWRIGHT ROY
278	BROOKS GERTRUDE
283	CLARK VIRTNER
283	CRAIG THOS
283	HOUSTON WM
283	MCDONALD JULIA
283	WATKINS HORACE
286	JONES JULIUS
290	REDMON DAVID
291	CAMPBELL WILLEY L
291	CROSS HULEY E
291	HALEY JOE T
291	KILPATRICK FRANK R
291	LOCKHART H FRANK
291	VACANT
292	FIELDS THOS
293	ADDISON PERCY L
293	GORDON WM
293	TAYLOR OSIE T
293	WALKER IDA
295	DAVIS CLAUDE S
295	DUMAS CALVIN
295	HILL WALTER
295	JACKSON JOHN
295	MILLER HERMAN C
295	WILLIAMS Z P
296	ROBINSON BLANCHE
300	GOODRICH SALLIE
303	BRIGGS GARLAND
303	DUNCAN GEO
303	HARRIS JOHN B
303	MCVEY ALPHONSO
303	WEBSTER JESSE
310	ROBINSON CULLEY
312	CHAMPION WM
314	MATTHEWS JAS
316	JONES ARMETHA
320	JONES CHAS
322	JOHNSON DELLA
324	COLUMBUS BAPTIST CHURCH
328	WILLIAMS LIZZIE
332	TAYLOR WM
334	CLEAVES WM E
336	CHEATAM ELLGE
338	BLOCK LESTER
340	HARRIS WM
346	BROWN THOS
346	MILLER ROSA I MRS
364	WILLIAMS ELIZA MRS
366	CATRON WALTER
368	HOLLIDAY ESTELLE
368	TAYLOR MAMIE
370	BLEAKLEY ELLA
372	WATKINS WILLIE
373	WATSON BENJ L
374	JONES HUGH
376	JACKSON LEE M
377	BUCKNER WILBUR
378	MITCHELL ROBT L
381	HARVEY ROBT L
383	HAMILTON EVA
387	SMITH CARRIE M
391	FIELDS WM M REV
394	BENNETT MINNIE

1943 DECATUR ST

SOURCE: POLKS

Part 2 of 2

395 DONOHO JAS C
397 SWIFT MARY
398 BARNETT LAMORA MRS
409 B & P GROCERY
411 NOBLIN WOODROW W
413 ANDERSON JAS R
417 LIBERTY COAL CO

1943 DELMAR AVE

SOURCE: POLKS

947 DIXIE HOMES
947 HARRIS LOUIS
947 HELMS ALBERT L
947 JORDAN EUG
947 NEVELS JOHN P
947 ROBERTS ROBT
947 ROBERTS WALTER
947 WILLIAMS WILL
948 ASKEW FRED
948 BECKLEY MAURICE
948 DAVIS HOSIE
948 HOWELL SAML M
948 JOHNSON MALCOLM
948 SMITH ARTH F
948 SMITH JAS P
979 BOBO SAML
979 JEFFERSON SYLVESTER
979 JOHNSON LOUIS R
979 ROBINSON MACELO
979 SANGSTER NELSON
979 VACANT
979 WILLIAMS MIRIAM
980 BROWN JAS L
980 KIRK JAS O JR
980 MCGEE THOS
980 PEARSON L A
980 ROBINSON CLIDE L
980 STEWART HOSEA
980 YARBROUGH JOHN
1001 DORRIS WILBURN
1001 LETCHER EMMETT
1001 MCGRAW JAS C
1001 MOORE DEETRY
1001 REED FRED
1001 SLEDGE ABR
1001 WRIGHT JANIE
1040 GUY STEPH T
1042 ARBUCKLE MARY T
1043 STEEL GEO
1044 MCFERRIN DUNCAN
1045 REED FLORENCE
1046 CARTER JAS N
1047 VACANT
1048 GILL HENRY
1050 MILLER LOUIS
1052 SMITH ETHEL NURSE
1053 HENDERSON LOUIS A
1053 WARD LOUIS
1054 PHILLIPS GEO
1055 ADAMS LUCY
1055 KEY JAS
1056 WATSON ABE
1057 BATES WILLIE
1058 HENLEY WATTS
1059 LAMB ADA
1060 LINTON JEFF
1061 HALE ELLEN
1062 ROGERS JOHN H
1063 GHOLSON WM T
1065 FRANKLIN RICHD
1066 CHILES APTS

82 total records. Part 1 of 2

945	BINGHAM ED
945	CORLEY HIRAM C
945	MORGAN ROBT
945	SHIVERS ANTHONY
947	BOHANAN HOWARD
947	GARRETT FLOYD
947	MCCLAREN HENRY
947	THOMAS WM J
949	ALEXANDER EMMA
949	BECTON LOUIS
949	DOWNS J WESLEY
949	WOODS JAS R
952	PAYNE GEORGIA
954	DAVIS MYRTLE
956	WILKES ANDREW
958	BROOKS L HENRY
962	EASLEY CHAS
968	HARRIS MARY
970	GREEN MATTIE
972	SATTERFIELD CLIFTON H
976	GOLDEN LEAF BAPTIST CHURCH
978	CHISOM MAMIE
978	CRUMP CLIFTON
978	DAVIS WATT
978	LEWIS INEZ
981	DEAN HENRY
981	LEWIS JACK
981	MURPHY THOS W
981	SEAY RANSOM
982	BELL MARGT
982	HARWELL JOHN
982	ISABEL LEM
982	WESTLEY JOSH
983	HERVEY JOS
983	JOHNSON C B
983	SMITH BRITTON JR
983	TATE ANDREW
985	EASLEY SAM
985	HEARNS ELZIE
985	LEWIS MERCLE D
985	PRUDENT JAS JR
986	JACKSON JOHN
986	JETT WILLIE
986	ROBERTSON FLORIDA
986	SHELTON ROOSEVELT
990	GUTHRIE JESSE
990	MITCHELL FLORENCE
990	OWENS QUEENIE
990	WRIGHT JOHN H
994	ANDERSON GRACE
994	BELL MARY
994	HARRIS COLONIUS
994	LOWE TOMMIE
998	PRUITT FRANK
998	SEAY JOHN L
998	SULLIVAN MARY MRS
998	SWIFT HARVEY
1002	HARRIS KATIE
1002	JONES CHESTER
1002	SCOTT JAS
1002	STEWART WILL
1032	GIPSON CALVIN
1038	ARNOLD CLORIA
1041	SHAW CHAS
1042	GORDON LEE
1046	TAYLOR LUCINDA
1049	WRIGHT SALLIE
1050	WATERS MARY
1055	PRUDENT OZLA B MRS

1943 PEACH AVE
SOURCE: POLKS

Part 2 of 2

1056	SMITH FINKS
1063	JARRETT OTIS H
1064	MALONE EVELYN MRS
1065	FEIBISH MISHA
1072	VANEATON LEONARD W
1073	VANEATON HOBART M
1080	CARROLL WM D
1081	MELTON JAS
1082	MOORE JOHN H
1163	REEVES GEO W
1163	ROWLAND HIRAM
1208	NICKELS WM
1210	BUTLER FRANK

80 total records. Part 1 of 2

0	MEM P & L CO
251	BLACKMAN WM
251	FRANKLIN EARL
251	FRANKLIN JULIUS
251	HICKS CHAS H
251	KEMP JESSE
251	RUTLEDGE LOUIS
262	BROWN ARRIE MRS RESTR
262	TOLER ROSE (1/2)
270	WALKER ALONZO
274	MILLER LESLEY
276	JACKSON BEATRICE
278	WASHINGTON GERTRUDE
283	BUTLER ADEE C
283	COULTER RICHD
283	FERGUSON HUREL
283	GHOLSON WM T
283	MCDONALD JULIA
283	WILLIAMS Z P
286	JONES JULIUS
286	REDMON DAVID
291	BROOKS LEON
291	CAMPBELL WYLIE
291	CROSS HULEY E
291	JOHNSON ERNEST F
291	KILPATRICK FRANK
291	WRIGHT RUFUS
292	BRACEY ANDREW
293	ARTISON EDW
293	GORDON WM
293	TAYLOR OSSIE T
293	WALKER IDA
295	DAVIS CLAUDE
295	DORIS WILBURN
295	DUMAS CALVIN
295	JACKSON JOHN
295	MILLER A C
296	HARWELL VIOLA
300	GOODRICH SALLIE
303	HARRIS JOHN
303	JOHNSON LOUIS
303	MILLER SADIE
303	NEWSOM LILLIAN
303	WEBSTER JESSE
310	BUCHANAN ALEX
312	CHAMPION WM
314	HOUSTON WM
316	COPPIGE LEROY
320	HOUSTON JOS
322	JOHNSON DELLA
324	COLUMBUS BAPTIST CH
328	DORSEY BLANCHE
332	TAYLOR WM
334	CLEAVES WM E
346	MILLER IOLA
364	WILLIAMS ELIZA
366	BROWN THOS (REAR)
366	CHEATHAM ELIJAH
366	STEWART ELLA M
366	TAYLOR WRAYFIELD
368	HOLLIDAY ESTELLE
368	MEEKS MATTIE (REAR)
370	JONES ROBT
372	RAINEY DOLLY
373	WATSON BENJ L
374	WALTON DAVID
376	JACKSON LEE M
377	BUCKNER WILBUR
378	MITCHEL ROBT

1940 DECATUR ST
SOURCE: POLKS

Part 2 of 2

381	HARVEY ROBT L
383	HAMILTON JEFFERSON
387	SMITH CARRIE M
391	FIELDS WM M REV
394	BENNETT MINNIE
395	DONOHO JAS C
397	SWIFT MARY
398	BARNETT GEO W
409	B & P GROCERY
411	BALDI MARY MRS
413	ANDERSON JAS R

1940 DELMAR AVE

SOURCE: POLKS

919	DIXIE HOMES (POWER HSE)
947	BROWN FRANK
947	DIXIE HOMES
947	HELMS ALBERT
947	JORDAN EUG
947	LEE HERBERT
947	ROBERTS ROBT
947	ROBERTS WALTER
947	WILLIAMS DORA
948	ASKEW FRED
948	BECKLEY MAURICE
948	HOWELL SAML M
948	SMITH ARTH
948	SMITH JAS
948	SOCIAL ROOM
948	WILLIAMS MARY
979	DAVIS ROY H
979	GOODWIN EMOGENE J
979	JEFFERSON SYLVESTER
979	ROBINSON MACELO
979	SINKSTON NELSON
979	WATTS JESSE
979	WILLIAMS LASALLE
980	HENDRICKS CHAS F
980	KIRK JAS O
980	MULTI TENANT RESIDENTIAL
980	ROBINSON CLIDE L
1001	MULTI TENANT RESIDENTIAL
1040	GUY STEPH T
1042	ARBUCKLE MARY T
1043	STEEL GEO
1044	MCFERIN JULIUS
1045	REED FLORENCE
1046	HARVEY WM
1047	BROOKENS SOL
1048	GILL CLARENCE
1050	MILLER LOUIS
1052	SMITH ETHEL
1053	HENDERSON LOUIS A
1053	JEFFERSON JAS
1054	ROGERS J EARLY
1055	ADAMS LUCY
1055	WILLIAMS MAGGIE
1056	HUNT FRANK
1057	BROWN IRVIN
1058	HENLEY WATTS
1059	YOUNG WM
1060	LINTON JEFF
1061	PARKER LUCY
1062	BROWN ARTH
1063	TAYLOR AMANDA MRS
1065	FRANKLIN RICHD
1066	CHILES APARTMENTS

1940 PEACH AVE

SOURCE: POLKS

945	AMORGAN ROBT 16
945	DIXIE HOMES
945	JOHNSON ROBT
945	MCCLAREN HENRY 16
945	SHIVERS ANTHONY
945	THOMAS EUG E
945	THOMAS WM
946	TRACEY WINNIE
947	BOHANAN HOWARD
947	SPAIN ROBT
949	MULTI TENANT RESIDENTIAL
952	PAYNE GEORGIA 17
954	DAVIS MYRTLE 17
958	ALANE S GRANT O 17
958	LANE DAISY NURSE RE
962	HICKS ELBERTA 17
968	HARRIS MARY 17
970	GREEN CHAS 17
972	SATTERFIELD CLIFTON 17
976	GOLDEN LEAF BAPTIST CHURCH
980	MULTI TENANT RESIDENTIAL
981	MULTI TENANT RESIDENTIAL
983	MULTI TENANT RESIDENTIAL
984	MULTI TENANT RESIDENTIAL
985	MULTI TENANT RESIDENTIAL
986	MULTI TENANT RESIDENTIAL
990	MULTI TENANT RESIDENTIAL
994	MULTI TENANT RESIDENTIAL
998	MULTI TENANT RESIDENTIAL
1000	(1) HARRIS KATIE
1032	GIPSON CALVIN O
1038	LITTLEJOHN CLAUDE O
1041	SHAW CHAS
1042	GORDON LEE JO
1046	TAYLOR LUCINDA O
1049	GRIFFIN JOHN O
1050	WATERS MARY
1055	MILLER JOHN R
1056	BURNS EMMETT
1056	DAHIN MAYBELLE MRS
1063	WELLS JAS W
1064	MALONE EVELYN MRS
1065	FEIBISH MISHA
1072	GRESHAM HATTIE L MRS
1073	VANEATON HOBART M
1073	VANEATON LEONARD W
1080	0'BYRNES HARRY O
1081	MOORMAN GEO R
1082	AMOORE JOHN H
1082	VAUGHAN WM P
1163	SANDERS ELEVIAN GO
1208	NORMENT JAS W
1210	FISHER JOS L

1937 DECATUR ST

SOURCE: SOUTHERN BELL TELEPHONE CO

236	FROST ALICE F
242	CRAWFORD MATTIE
292	SHAW EDNA R
296	WILLIAMS ROSE
346	DANIELS EMMA MRS
368	HOLLIDAY ESTELLE
373	WATSON B L
381	HARVEY ROBERT
387	HAMILTON EVA
391	FIELDS W M REV
391	SMITH CARRIE
394	WHITEHEAD ELLA
395	DONOHO C
397	SWIFT MARY F
399	BARNETT G W SR
409	BALDI MARY
417	LIBERTY COAL CO

1937 DELMAR AVE

SOURCE: SOUTHERN BELL TELEPHONE CO

1040	GUY S T
1052	JOHNSON B T
1063	GATEWOOD LILLIAN MRS
1073	WHITSY CHAS
1078	ALSTON C B
1078	TOLTON WALTER

1937 PEACH AVE

SOURCE: SOUTHERN BELL TELEPHONE CO

958	LANE GRANT
970	GREEN MATTIE MRS
972	SATTERFIELD CLIFTON F
1032	GIPSON CALVIN
1038	ARNOLD CLORIA
1049	GORDON SARAH
1050	WATERS MARY
1055	GRIFFIN H B
1064	JONES LELA MISS
1064	MALONE F E MRS
1072	BLACKMON D T
1073	MORRIS JOE H
1080	LAWRENCE N W
1081	PHILLIPS C B
1082	VAUGHAN W P
1210	MOODY M OTTOWAY
1266	STEPHERSON M A SR
1270	WOLF P S
1292	RODGERS A C

1932 DECATUR ST

SOURCE: SOUTHERN BELL TELEPHONE CO

237	NETHERY HERBERG MRS R
245	SCHINNERER BESSIE
251	RAY MARY MRS R
273	GIBSON CALVIN R
275	PARKER LUTTIE R
290	PEYTON WILL R
296	JONES FRED R
300	GOODRICH SALLIE R
301	SODINI & CODA GRO
311	GORDON CLNRS & DYERS
316	MITCHELL JOHN R
319	GORDON SARAH R
320	BENNETT BERTHA R
333	HOLLIDAY ESTELLE R
346	DANIELS EMMA MRS R
351	RANKINS JOE R
367	TORRI A & CO GRO
368	BINDOM LUVINIA R
368	WILSON MORGAN D R
373	WATSON BL R
383	HAMILTON EVA R
387	SMITH CARRIE R
391	WILLIAMS HARVEY P R
395	DONOHO JC R
409	WASHER FANNIE MRS DELCTS
413	ANDERSON MATTIE R
417	LIBERTY COAL CO

1932 DELMAR AVE

SOURCE: SOUTHERN BELL TELEPHONE CO

995 JOHNSON JEFF
1055 FARROW W C
1057 SIMMONS LOMAS
1063 GATEWOOD JNO
1065 BOALS JAMES
1078 LANCASTER SAM
1083 BUTLER WILLIE

1932 PEACH AVE

SOURCE: SOUTHERN BELL TELEPHONE CO

953 BURTON WILLIE
956 HOLT FRANK
958 LANE GRANT
965 SMITH JOSEPHINE
972 WILLIAMS IRA
984 WILLIAMS MALINDA
990 ROGERS PAULINE
995 JONES MARY
1032 JONAS H P
1038 BRUCE L D
1041 THORN FRANK MRS
1042 O'HARA LOUIS
1046 PLYLER WINNIFRED C MRS
1049 FORMAN C D
1055 GRIFFIN H B
1064 MALONE F E
1065 RICHMOND JOE H
1072 BLACKWELL S H MRS
1080 TODD MARY MISS
1081 VAN EATON M A MRS
1208 FOWLER NEAL Y
1266 ROBINSON S J
1270 WOLF DAN
1292 FELLOWS C W

1927 DECATUR ST

SOURCE: POLKS

0	HERRINGTON M E CH
257	ANDERSON JAS
262	BROWN W W
262	SHELTON MARTHA
270	SMITH LUCILLE M
271	COLLINS JOHN
273	GIPSON CALVIN
273	GRANDBERRIE JAS
274	MORTON WM
275	PARKER LUTTLE
278	KAY ERNEST
279	RULE TE
286	MERKT FE
290	CLARK MALCOLM
292	RUSSELL STEWART
295	CAHILL F J
296	MINARD ! ANTHONY
300	RIEM W R
301	SODIN & CO
303	BRITTON MARTHA
305	WOODS CC
307	FRANTZ J S
309	NIX J G
311	YATES BENJ
312	DOWELL OSCAR
314	CRAIG CLARA
316	MITCHELL JOHN
320	BENNETT JESSLE
321	SPRAGGINS HARRISON
322	GRANBERRY SIMON
323	DEAN WASH
327	DOUGLAS MARY
327	REAR JOHNSON LEONA
328	MON COOPER
329	HOLLOWAY JOHN
331	FRANTZ J 8
333	HOLLIDAY W J
335	HOLLIDAY ESTELLE
336	JOHNSON GERTRUDE
336	REAR MARSHALL NELLLE
345	STEELE ANNLE
346	JONES MYRTLE
347	SCOTT RACHEL
351	RANKINS SARAH
367	TORRI A & CO
368	WILLIS RC
370	YOUNG AUTO SERVICE CO
370	YOUNG G M
391	TAYLOR CHAS
394	FLINN M A
398	BARNETT G W CONTR
409	LEVINSON M
413	JONES W B
416	PATTERSON RALPH
417	LIBERTY COAL CO
417	REAR ROBERTSON WM
440	COOK A J & CO INC
443	GALLOWAY COAL CO
810	NEAL BENNETT

1927 DELMAR AVE

SOURCE: POLKS

948	JAMERSON HENRY JR
950	RAINEY MARSHALL
954	PRESTON THOS
955	LEE FANNIE
960	WINSTON JENNIE
962	WILLIAMS GANT
964	MOORE EDWIN
966	BURNS FLORA
1042	CHRISTOPHER JULIUS
1043	ORR JACKSON
1044	SMITH ARTH
1045	SIMMONS THOS
1046	PRITCHETT LEE
1048	COBURN WALTER
1049	VACANT
1050	STALLINGS JAS
1052	GORDON LEE
1053	HENDERSON L A
1054	WILLIAMS MAGGIE
1055	BROWN ROBT
1056	BONNETT LETTIE
1057	VACANT
1058	WILLIAMS DELLE J
1058	WILLIAMS LISSIE
1059	FRANKLIN MARY
1061	JACKSON ELLA

83 total records. Part 1 of 2

95	ANDERSON THOS
96	SMITH WRIGHT
918	MCDONALD LEE
919	SHEFFIELD CLARENCE
920	TURNER JAS
921	ALLEN PETER
922	TAYLOR WM
923	JOY LOTTIE M
924	MOTEN EMMETT
925	ALEXANDER ARTH
926	ROGERS CHAS
927	MOORE JOSIE
928	SANDERS WM
929	HILL ALEX
931	GREEN HARRY
933	FISHER HORACE
935	GARRETT HENRY
937	MILLER CHRIST 1
943	COOPER JESSE
947	KERSHAW P A
951	CARTER EMERSON
952	LOVETT MATTLE
954	BRADEN LOUIS
955	TAYLOR LUCINDA
956	HOLT FRANK
957	WARD GEO
958	LANE GRANT
959	REAR WILLIS RICHD
959	WASHINGTON CELLA
961	WILLIAMS VIRGINIA
962	BALL DIANS
963	DOOLEY GUY
963	HARRIS ROSA
963	HARRIS THOS
967	GREEN BENJ
970	GREEN CHAS
971	GRAY JOHN
972	BUTLER PR
973	JONES DOCK
974	CHURCH OF GOD IN CHRIST
975	BROWN KATIE
977	MCDANIEL FRANK
980	MULTI TENANT RESIDENTIAL
984	MULTI TENANT RESIDENTIAL
985	TOWNSEND MARTIN
986	MULTI TENANT RESIDENTIAL
987	TOWNSEND IVY
989	PIERCE JACOB
990	PALMER LULA
991	BOONE GUS
993	MASON BUSTER
995	BOONE THOS
997	SINGLETON LAWRENCE
998	VACANT
999	HUNT J H
999	MARTIN FRED
1000	WILKS DAVID
1001	AGNEW MAY
1001	EDINGBOUR CORA
1032	JONAS HARRY P
1033	BRUCE L D
1041	CLARK & THORN
1041	THORN F J
1042	% O'HARA LOUIS
1046	PLERINI L J
1049	CALHOUN J_C_
1050	TROTTMAN R L
1055	GRIFFIN HENRY
1064	MALONE F E

1927 PEACH AVE
SOURCE: POLKS

Part 2 of 2

1065	CARTER J L
1066	WRIGHT J W
1072	BLACKWELL & H
1073	BELL J D
1080	BUZARD T J
1081	APARTMENTS :
1081	HUSTON ROY E
1081	TURLEY O J
1081	VACANT
1081	WALDRAN BLVD LEWIS
1081	WOLFE APTS
1168	MULTI TENANT RESIDENTIAL
1266	CHRISTUP MARY R MRS
1270	WOLF DANI

1924 DECATUR ST

SOURCE: POLKS

262 BROWN ARRIE MRS
262 WOODEN ERASTUS
270 SMITH L M
271 HAYES GEO
273 GIPSON CALVIN (1/2)
273 WONDERS FRANK
274 BRUCE TERRY
275 PARKER LUTTIE
278 SMITH CLARENCE
279 SHOWN F F
286 ALSOBROOK A W
290 MCMILLEN H F
292 ASH R A
295 CAHILL F J
296 LINARDI ANTHONY
300 COX A W
301 SODINI & GALLIANI
303 SODINI BALDO
307 MULLINS CHRIS
309 NIX J G
310 BALL SALLIE
312 BLACKWELL SOL
312 HARDY JOHN
312 JOHNSON ANNA
312 MITCHELL JOHN
312 TAYLOR SAML
312 WASHINGTON P A
312 WEBB EVA
322 BENNETT JOS
322 JOHNSON LOUISE
323 WARREN HOWARD
327 AUSTIN CHAS
327 THOMAS WEST REV (REAR)
328 QUALLS AARON
329 HOLLOWAY JOHN
331 FRANTZ J S
333 HOLLIDAY J W
335 HOLLIDAY ESTELLE
336 GRAY BENJ (REAR)
336 JOHNSON GERTRUDE
345 STEELE ANNIE
346 JONES M L
346 SCOTT WM
351 COCHRAN EDW
351 RANKINS J R
367 WEISS L & SON
368 WILSON E M
370 YOUNG AUTO SERVICE CO
370 YOUNG G M
394 BARRY EDW
398 BARNETT G W CONTR
409 VACANT
411 LEACH S M
413 REYNOLDS D O

1924 DELMAR AVE

SOURCE: POLKS

948 REESE DENNIS
950 RAINES MARSHALL
954 FRANKLIN RICHD
955 ARNOLD FRANK
955 JOHNSON JEFF
956 DUNCAN THOS
960 KIRBY EDW
962 WILLIAMS GANT
964 RAGSDALE WM
966 TAYLOR PARMELLA
1042 CHRISTOPHER JULIUS
1043 NEWTON ARTHUR
1044 WILSON LIZZIE
1045 BENTLEY ARTIE
1046 PRITCHETT LEE
1047 COBURN WALTER
1048 PALMER LULA
1050 STALLINGS THOS
1053 HENDERSON L A
1054 HOME RALPH
1055 AGNEW FANNIE
1055 BENNETT LETTIE
1056 JETER ARTHUR
1057 WATKINS RICHD
1058 WILLIAMS ROBT
1059 NELSON FANNIE
1060 BREATHET FRANK

77 total records. Part 1 of 2

918	RIDDLE THOS
919	SANDERS LONNIE
920	MARCUS MADISON
921	SANDERS LONNIE
922	BUFORD WYLIE
923	PATTERSON PHIL
924	GLOVER WM
925	JOHNSON WM
926	SALE CLEM
927	DILLARD CHAS
928	PHILLIPS GEO
929	ROBINSON WM
931	CAMPBELL JOHN
935	JOHNSON JOS
937	MILLER CLIFFORD
942	CARNES SCHOOL
943	HENARD HENRY
945	HINES WM
947	KERSHAW P A
951	CARTER EMERSON
952	HOLMES SOL
953	ALLEN T J
954	BRADEN LOUIS
955	TAYLOR LUCINDA
956	PEYTON WM
957	COLE MINNIE
958	LANE GRANT
959	WASHINGTON CELIA
959	WILLIS RACHEL
961	WILLIAMS VIRGINIA
962	GRANBERRY J S
963	BRADLEY JOHN
963	HARRIS THOS
965	SMITH WRIGHT
967	GREEN MARIE
970	GREEN CHAS
971	GARDNER ANNA
972	BUTLER PERRY
972	GORDON HENRY
974	CHURCH OF GOD IN CHRIST
975	BRANCH EDW
977	MCDANIEL FRANK
985	GARLINGTON ELIJAH
987	COLE DEANNA
989	MOORE LEE
991	RANKIN WM
993	HOWARD ANNIE
995	BOONE PATSY
995	MORTON LIZZIE
997	LEMMONS EDW
999	VACANT
1000	VACANT
1032	ALPERIN IKE
1038	BRUCE L D
1041	CLARK & THORN
1041	THORN F J
1042	O'HARA LOUIS
1046	KELLER E N
1049	CALHOUN J C
1049	LYNCH R H
1050	GRANDJEAN L E
1055	GRIFFIN H B
1056	BRAND J B
1056	CARDWELL RC
1056	HAYNES R H
1064	MALONE FE
1065	MCCOLLUM L H
1072	NELSON GL
1072	RUSHING LON

1924 PEACH AVE
SOURCE: POLKS

Part 2 of 2

1073	BOWER NW MRS
1073	CHILDRESS BM
1080	HOLLAND A G
1081	WILLIAMS L B
1163	WILLIAMS LEE MRS
1266	CHRISRUP E E
1270	WOLF DANL
1292	FELLOWS C W

FIRE INSURANCE MAPS

Project Property: Future Edgeview II
981 Peach Avenue Memphis TN
Project No: Z000000005
Requested By: EnSafe Inc.
Order No: 26030900404
Date Completed: March 10, 2026

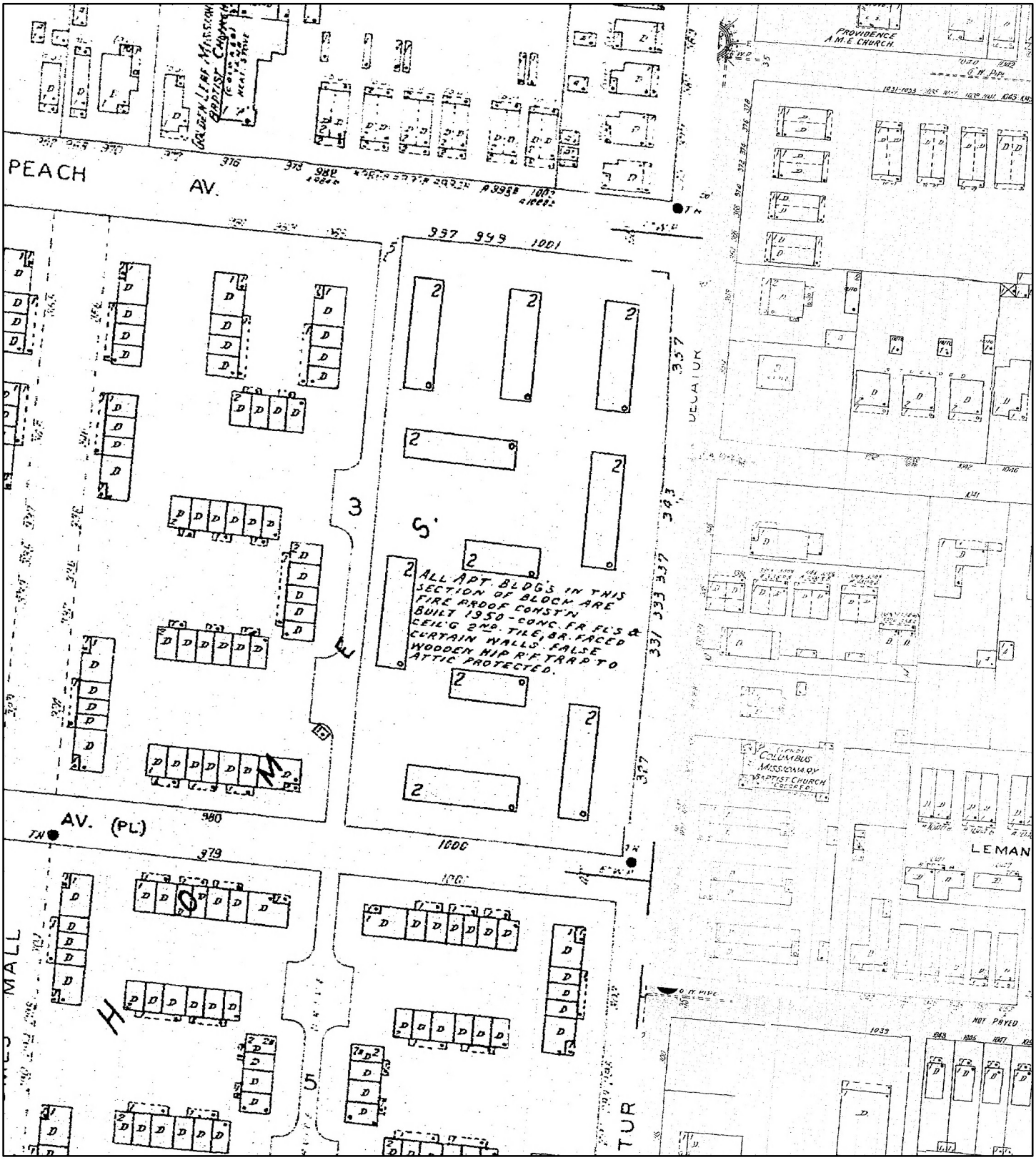
Environmental Risk Information Services
A division of Glacier Media Inc.
1.866.517.5204 | info@erisinfo.com | erisinfo.com

Listed below, please find the results of our search for historic fire insurance maps from our in-house collection, performed in conjuction with your ERIS report.

Date	City	State	Volume	Sheet Number(s)
1952	Memphis	Tennessee	1	81, 85, 87
1951	Memphis	Tennessee	1	81, 85, 87
1907	Memphis	Tennessee	1	82, 83, 85, 87
1897	Memphis	Tennessee	1	68, 70, 82, 83

Individual Fire Insurance Maps for the subject property and/or adjacent sites in the United States may have been included with the ERIS Environmental Database Report. Those Fire Insurance Maps are to be used for research purposes only and cannot be resold for any commercial uses other than for use in real property analyses projects that you are undertaking. Access to and the use and copying of any Fire Insurance Maps supplied by ERIS for United States locations are conditioned upon your agreement to, and strict compliance with, the **Fire Insurance Maps-Terms and Conditions.**

Fire Insurance Map



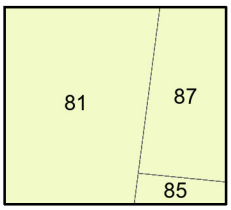
1952

Address: 981 Peach Avenue Memphis TN

N

0 110 220 440

Feet

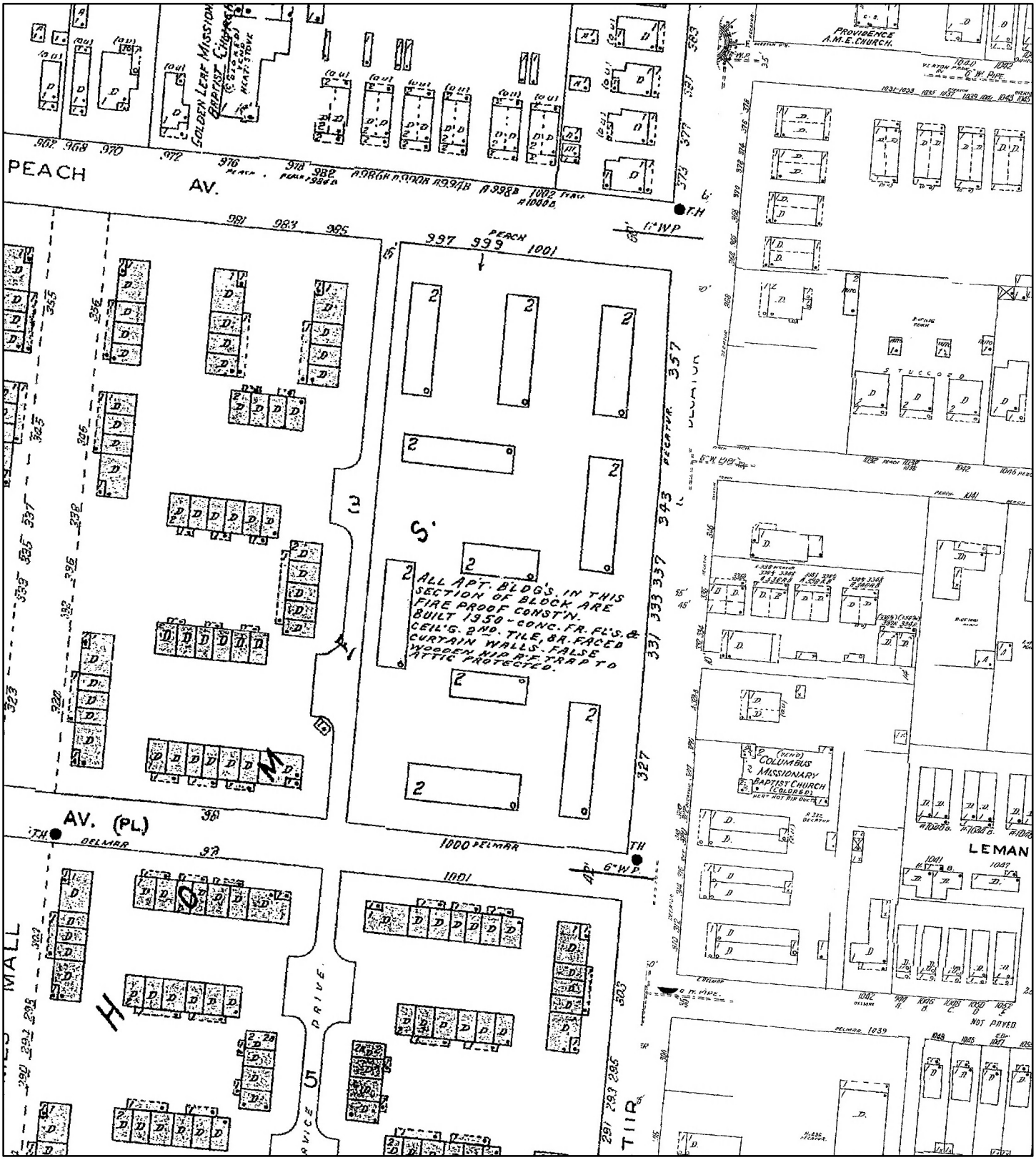


Map sheet(s):
Volume 1: 81,85,87;

Order Number 26030900404

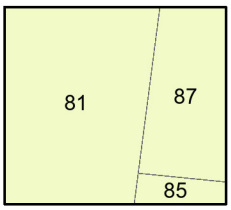
ERIS

Fire Insurance Map

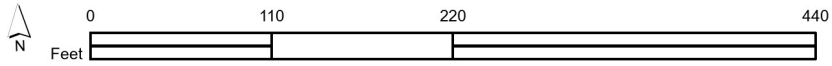


1951

Address: 981 Peach Avenue Memphis TN



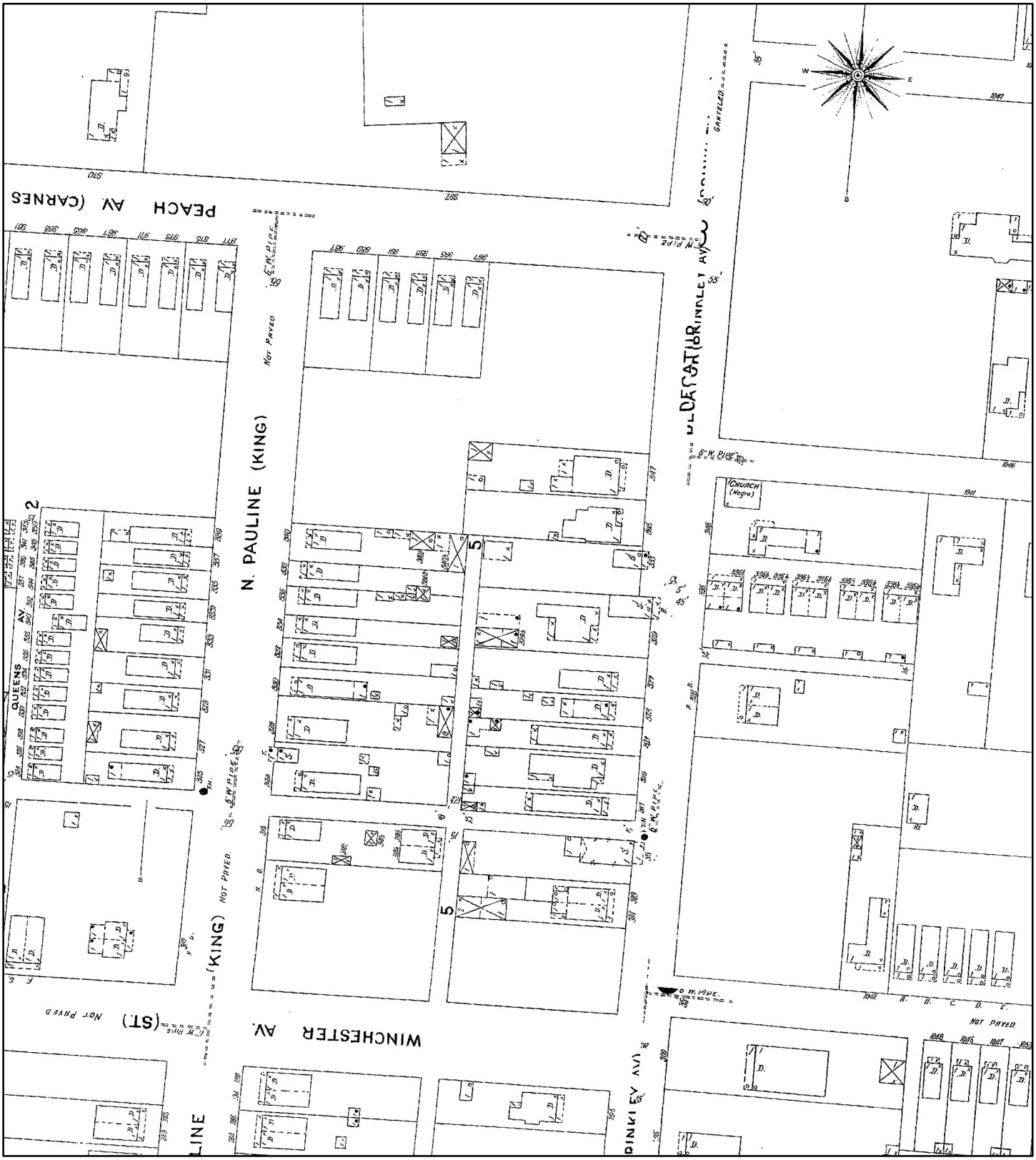
Map sheet(s):
Volume 1: 81,85,87;



Order Number 26030900404

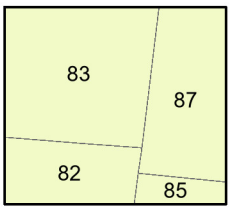
ERIS

Fire Insurance Map

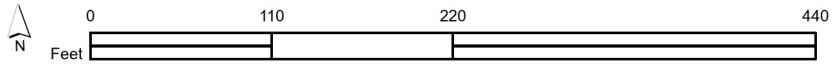


1907

Address: 981 Peach Avenue Memphis TN



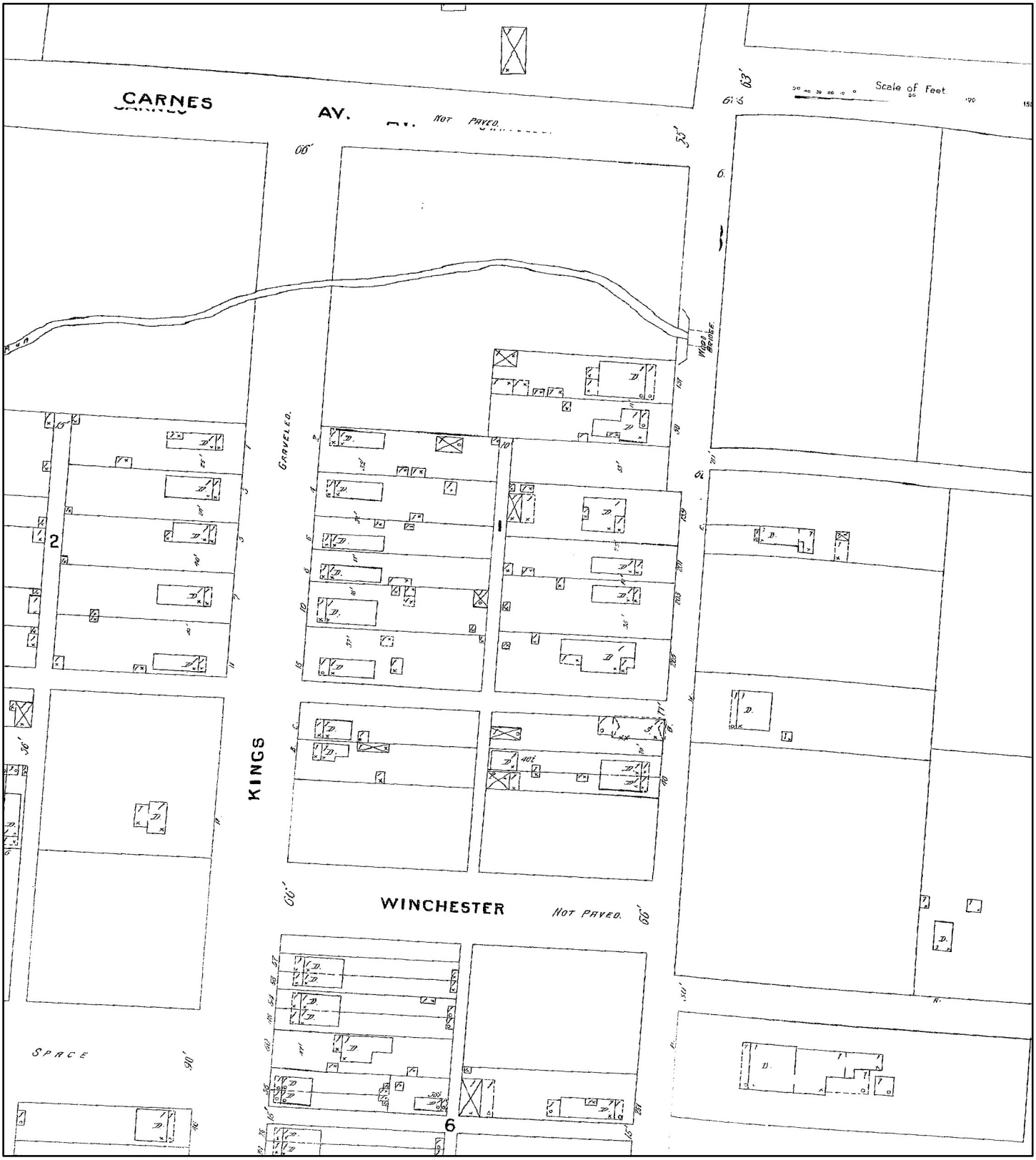
Map sheet(s):
Volume 1: 82,83,85,87;



Order Number 26030900404

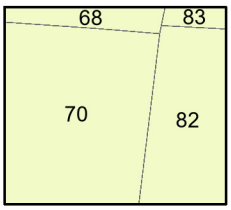
ERIS

Fire Insurance Map



1897

Address: 981 Peach Avenue Memphis TN



Map sheet(s):
Volume 1: 68,70,82,83;

N

Feet 0 110 220 440

Order Number 26030900404

ERIS

TOPOGRAPHIC MAPS

Project Property:	Future Edgeview II 981 Peach Avenue Memphis TN None
Project No:	Z000000005
Requested By:	EnSafe Inc.
Order No:	26030900404
Date Completed:	March 10, 2026

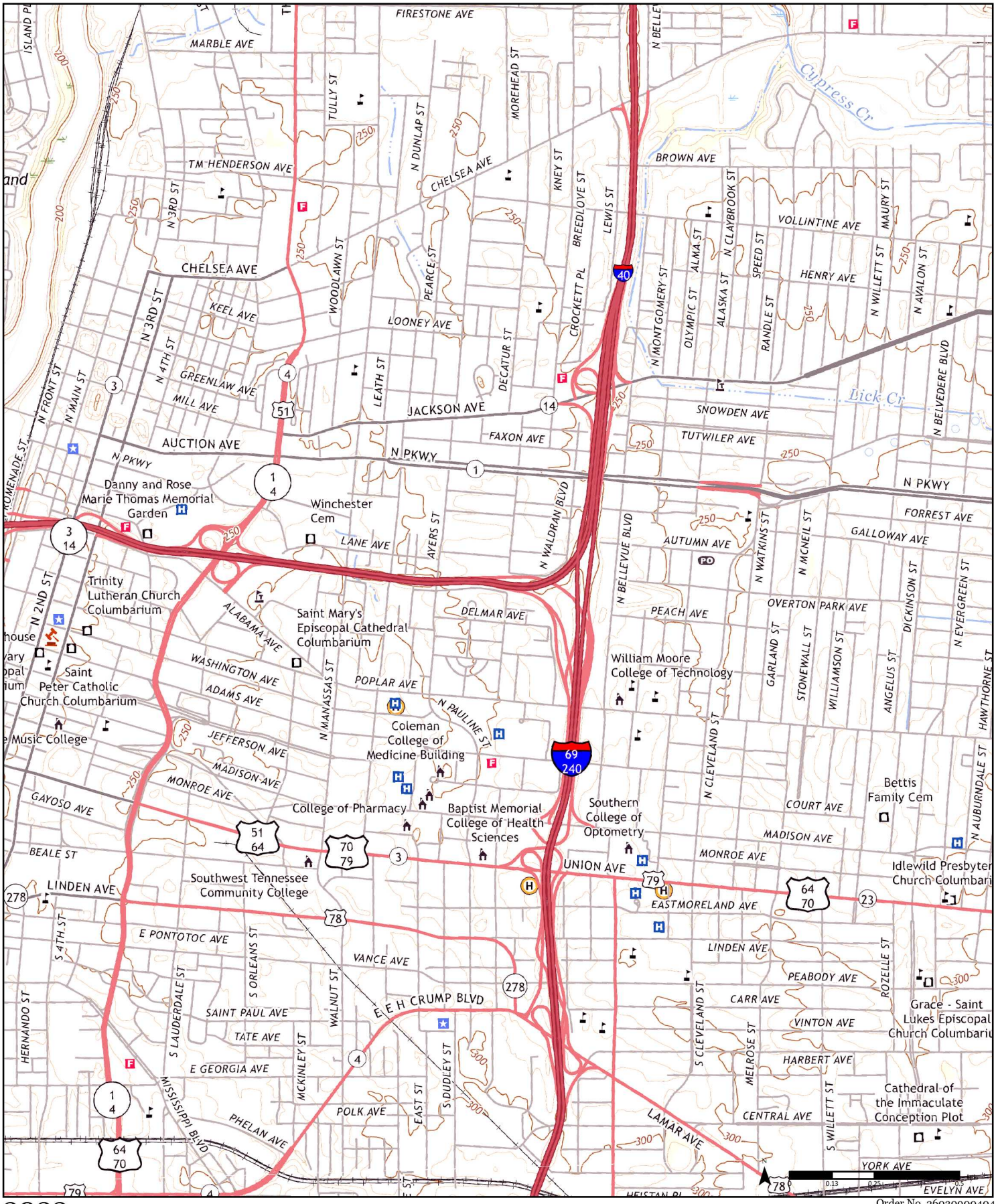
Environmental Risk Information Services
A division of Glacier Media Inc.
1.866.517.5204 | info@erisinfo.com | erisinfo.com

We have searched USGS collections of current topographic maps and historical topographic maps for the project property. Below is a list of maps found for the project property and adjacent area. Maps are from 7.5 and 15 minute topographic map series, if available.

Year	Map Series
2022	7.5
2019	7.5
2016	7.5
2013	7.5
2011	7.5
1997	7.5
1993	7.5
1973	7.5
1965	7.5
1960	15
1955	15
1939	15
1927	15
1925	15
1916	15

Topographic Map Symbology for the maps may be available in the following documents:
Pre-1947
Page 223 of 1918 Topographic Instructions
Page 130 of 1928 Topographic Instructions
1947-2009
Topographic Map Symbols
2009-present
US Topo Map Symbols

Topographic Maps included in this report are produced by the USGS and are to be used for research purposes including a phase I report. Maps are not to be resold as commercial property.
No warranty of Accuracy or Liability for ERIS: The information contained in this report has been produced by ERIS Information Inc.(in the US) and ERIS Information Limited Partnership (in Canada), both doing business as 'ERIS', using Topographic Maps produced by the USGS. This maps contained herein does not purport to be and does not constitute a guarantee of the accuracy of the information contained herein. Although ERIS has endeavored to present you with information that is accurate, ERIS disclaims, any and all liability for any errors, omissions, or inaccuracies in such information and data, whether attributable to inadvertence, negligence or otherwise, and for any consequences arising therefrom. Liability on the part of ERIS is limited to the monetary value paid for this report.



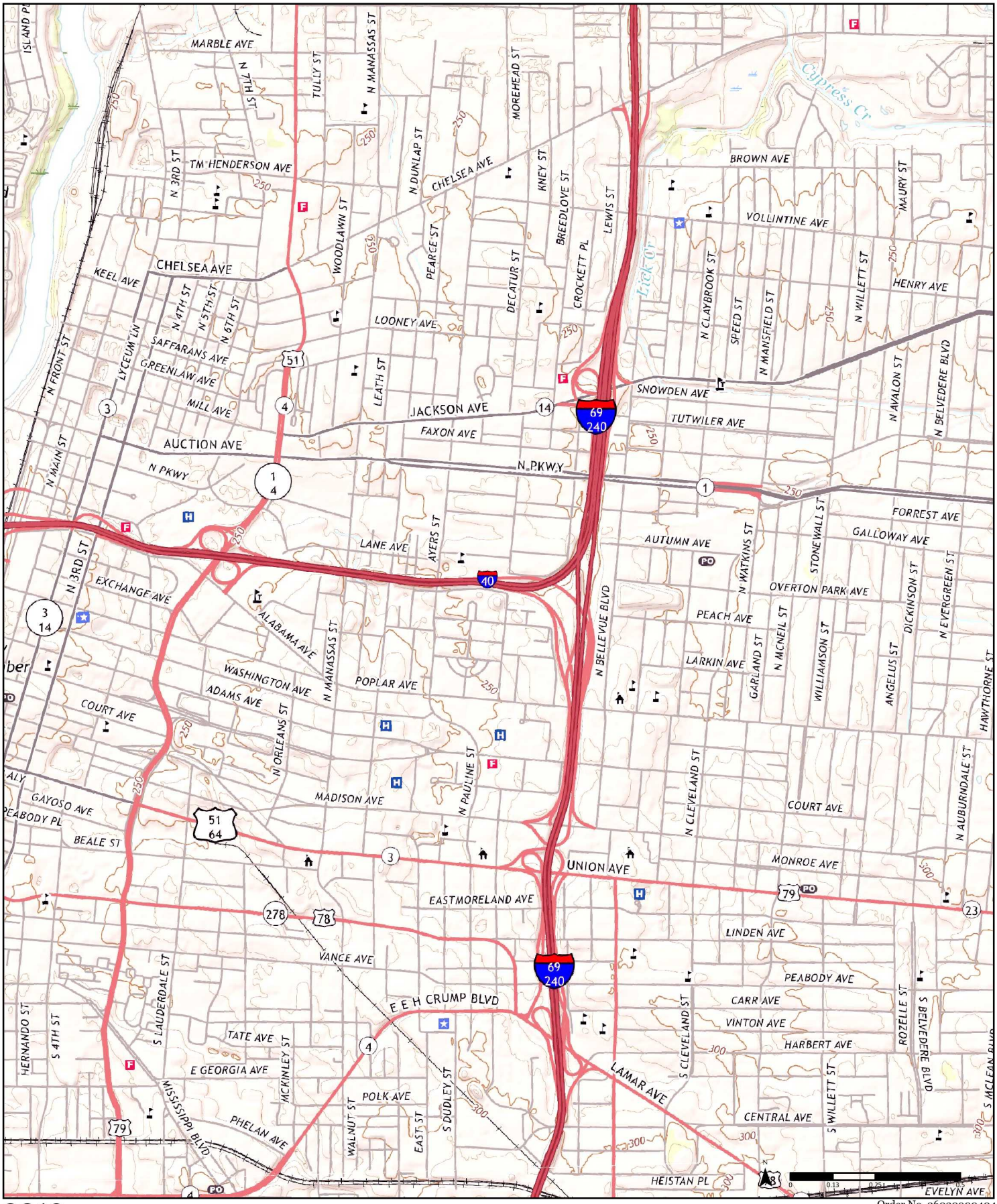
2022

Order No. 26030900404

Available Quadrangle(s): Northwest Memphis, TN
Southwest Memphis, TN
Northeast Memphis, TN

Source: USGS 7.5 Minute Topographic Map

ERIS

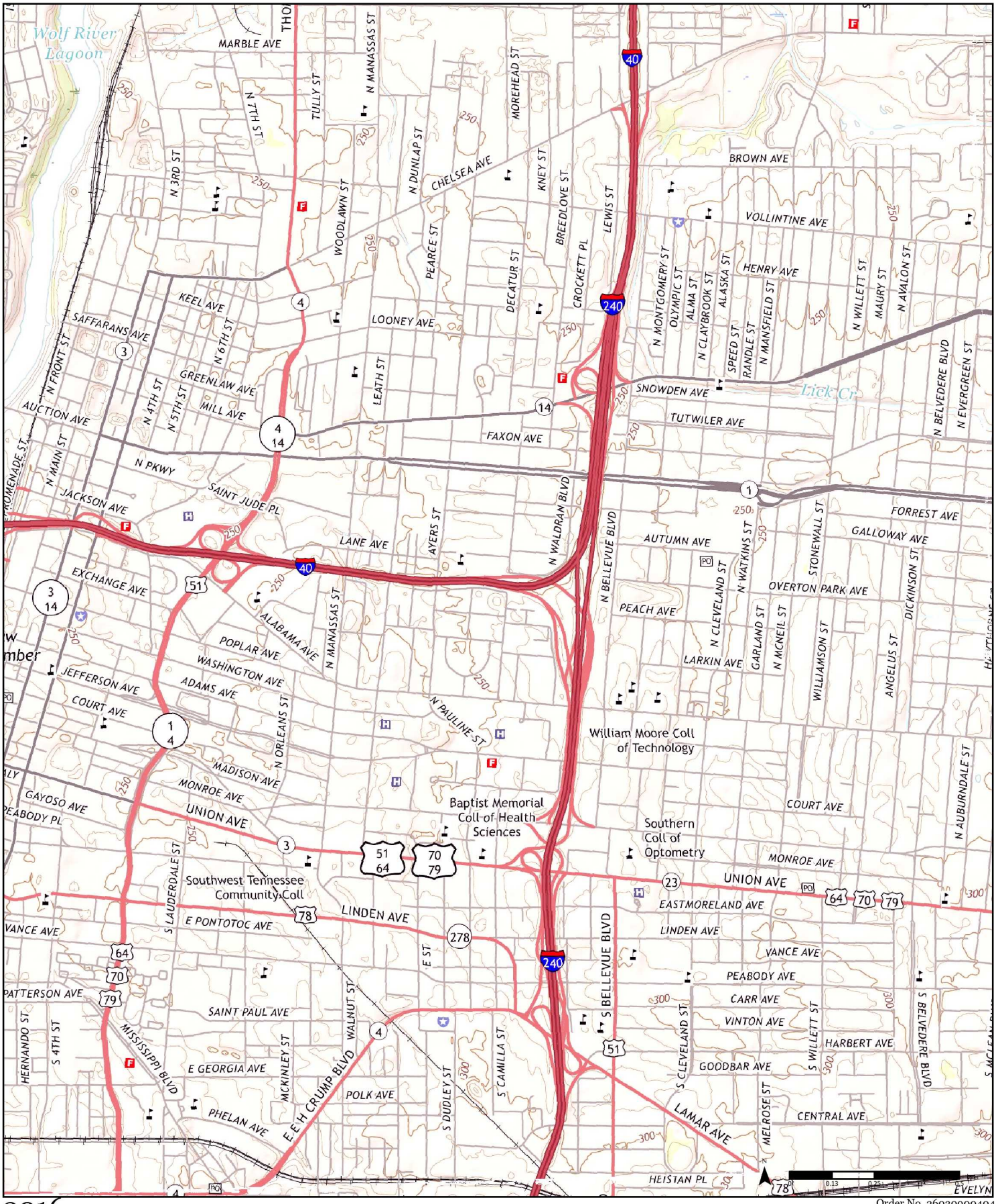


2019

Available Quadrangle(s): Northwest Memphis, TN
Southwest Memphis, TN
Northeast Memphis, TN

Source: USGS 7.5 Minute Topographic Map

ERIS



2016

Order No. 26030900404

Available Quadrangle(s): Northwest Memphis, TN
Southwest Memphis, TN
Northeast Memphis, TN

Source: USGS 7.5 Minute Topographic Map

2013

Order No. 26030900404

Available Quadrangle(s): Northwest Memphis, TN
Southwest Memphis, TN
Northeast Memphis, TN

Source: USGS 7.5 Minute Topographic Map

ERIS

2011

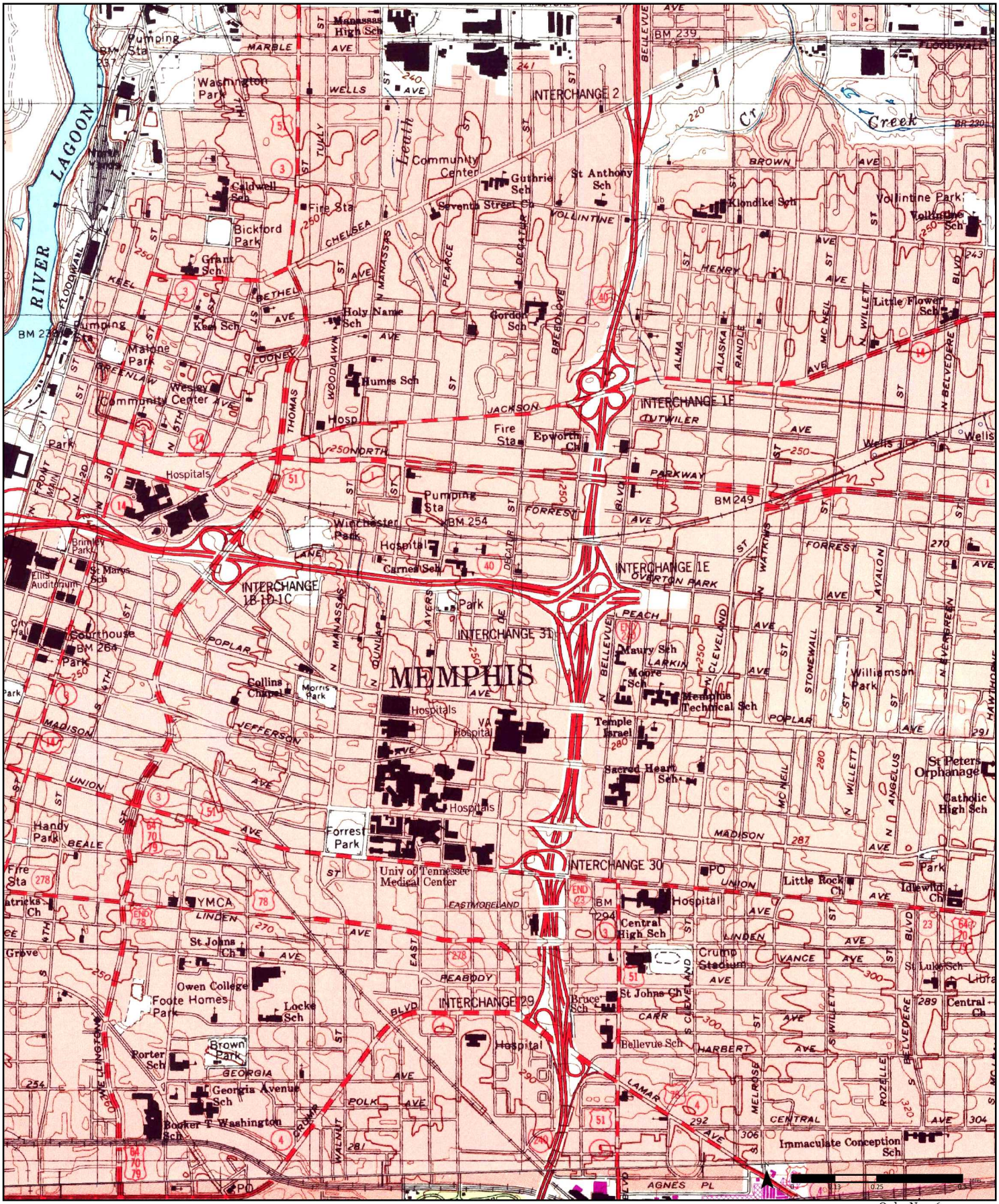
Order No. 26030900404

Available Quadrangle(s): Northwest Memphis, TN
Southwest Memphis, TN

Northwest Memphis
Northeast Memphis
Southeast Memphis

Source: USGS 7.5 Minute Topographic Map

ERIS



1997

(1-1993) *Aerial Photo Year: 1990*
Photo Revision Year: 1993

(2-1997) *Aerial Photo Year: 1997*

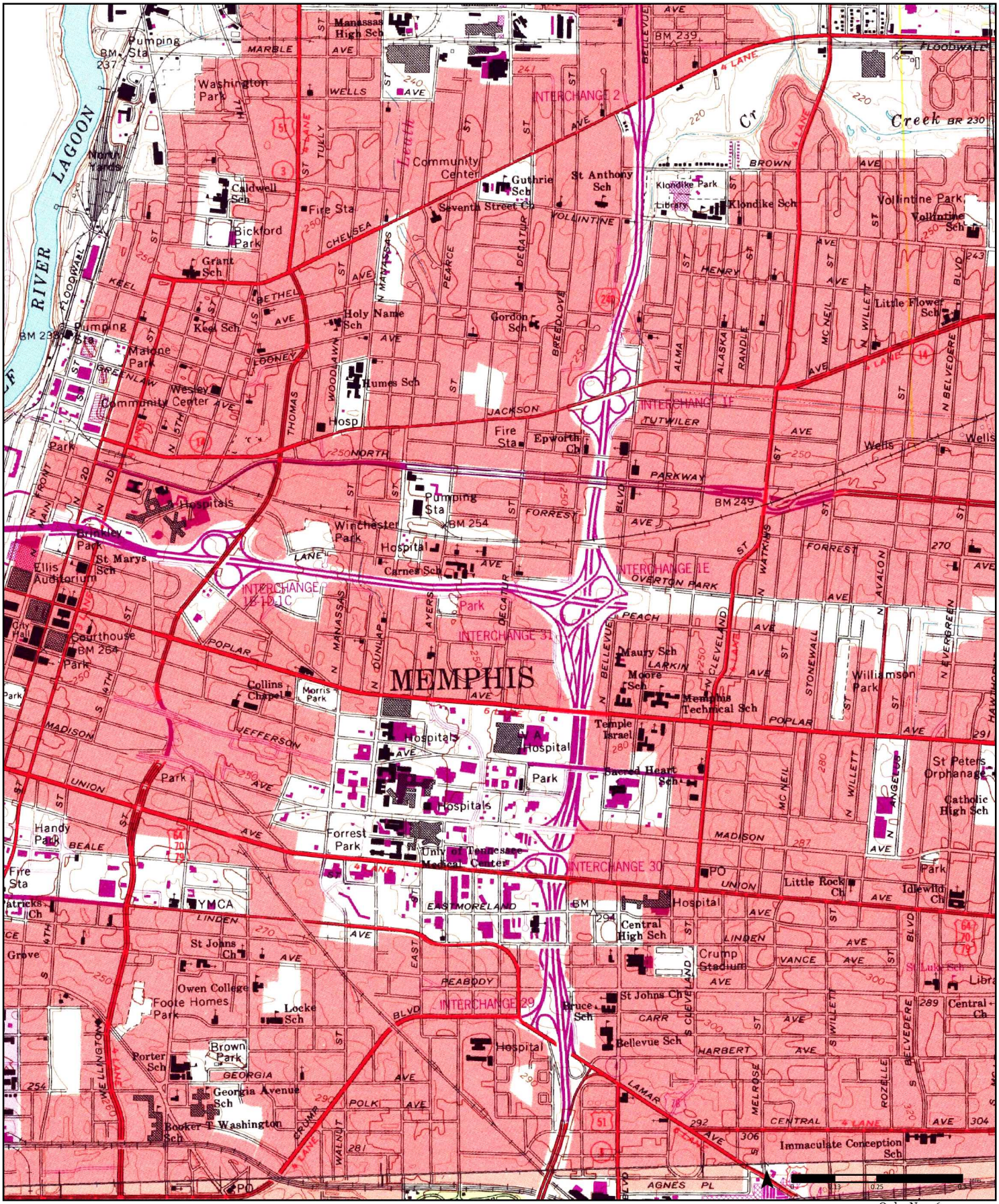
(3-1997) *Aerial Photo Year: 1997*

Order No. 26030900404

Available Quadrangle(s): Northwest Memphis, TN(2-1997)
Southwest Memphis, TN(1-1993)
Northeast Memphis, TN(3-1997)

Source: USGS 7.5 Minute Topographic Map

ERIS



1993

(1-1993) *Aerial Photo Year: 1990* *Photo Revision Year: 1993*

(2-1993) *Aerial Photo Year: 1990* *Photo Revision Year: 1993*

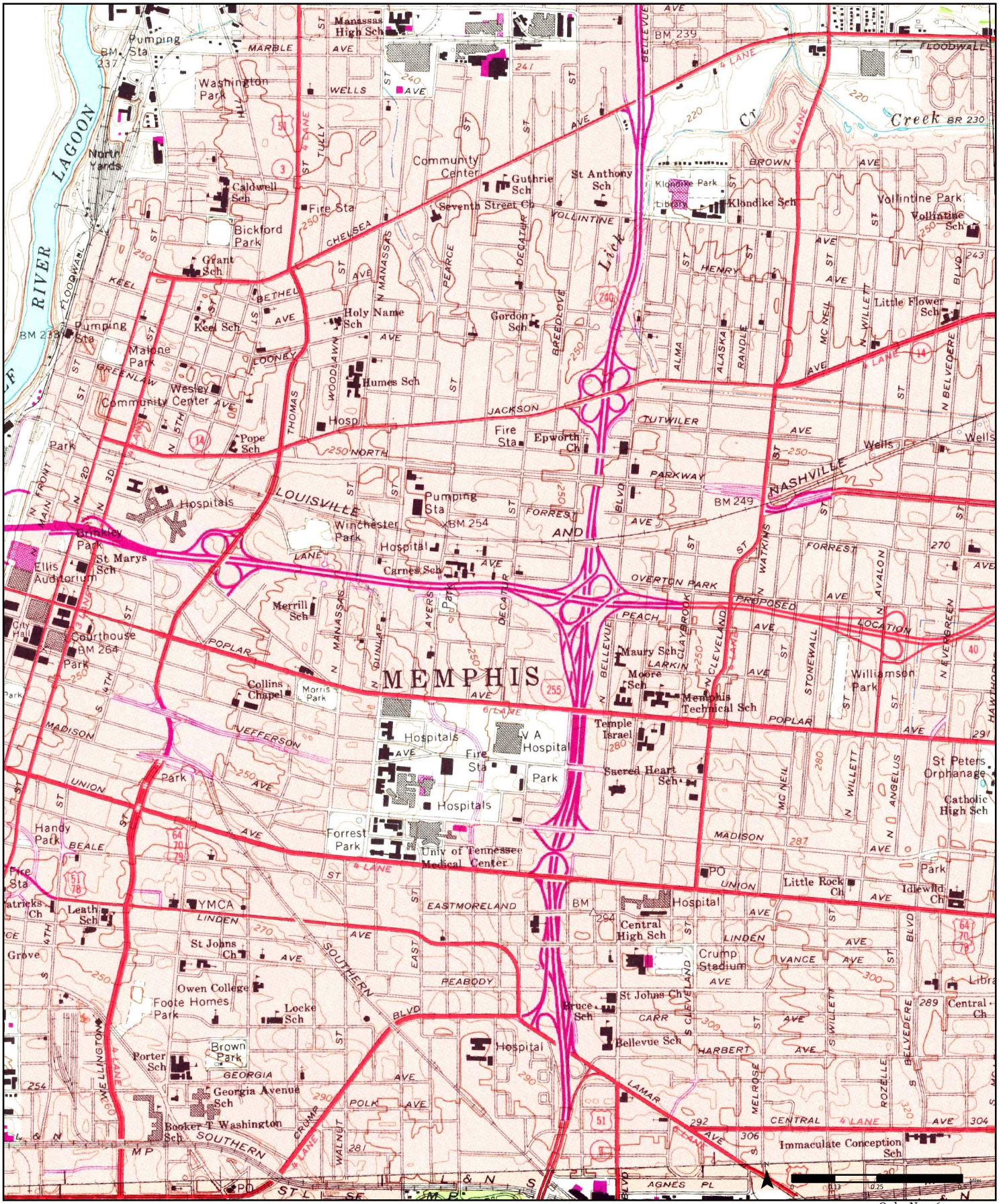
(3-1993) *Aerial Photo Year: 1990* *Photo Revision Year: 1993*

Order No. 26030900404

Available Quadrangle(s): Northwest Memphis, TN(2-1993)
Southwest Memphis, TN(1-1993)
Northeast Memphis, TN(3-1993)

Source: USGS 7.5 Minute Topographic Map

ERIS


MEMPHIS
RIVER
LAGOON
Creek
Pumping Sta
Washington Park
Community Center
Caldwell Sch
Fire Sta
Bickford Park
Grant Sch
Keel Sch
Holy Name Sch
Gordon Sch
Humes Sch
Hosp
Pope Sch
Malone Park
Wesley Community Center
Hospitals
Brinkley Park
St Marys Sch
Ellis Auditorium
Courthouse
Park
Collins Chapel
Morris Park
Merrill Sch
Winchester Park
Carnes Sch
Hospital
Pumping Sta
Guthrie Sch
St Anthony Sch
Seventh Street Ch
Klondike Park
Klondike Sch
Vollintine Park
Vollintine Sch
Little Flower Sch
Epworth Ch
Fire Sta
Wells
Williamson Park
Memphis Technical Sch
Maury Sch
Moore Sch
Temple Israel
Sacred Heart Sch
St Peters Orphanage
Catholic High Sch
V A Hospital
Hospitals
Park
Forrest Park
Univ of Tennessee Medical Center
Handy Park
Leath Sch
YMCA
St Johns Ch
Owen College
Foote Homes Park
Locke Sch
Brown Park
Porter Sch
Georgia Avenue Sch
Booker T Washington Sch
Central High Sch
Crump Stadium
Bruce Sch
Bellevue Sch
Hospital
Little Rock Ch
Idlewild Ch
Central Ch
Immaculate Conception Sch
PO
Fire Sta
Community Center
Seventh Street Ch
Manassas High Sch
Pumping Sta
Fire Sta
Epworth Ch
Hospitals
Park
Hospital
Carnes Sch
Merrill Sch
Winchester Park
Maury Sch
Moore Sch
Memphis Technical Sch
Temple Israel
Sacred Heart Sch
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Booker T Washington Sch
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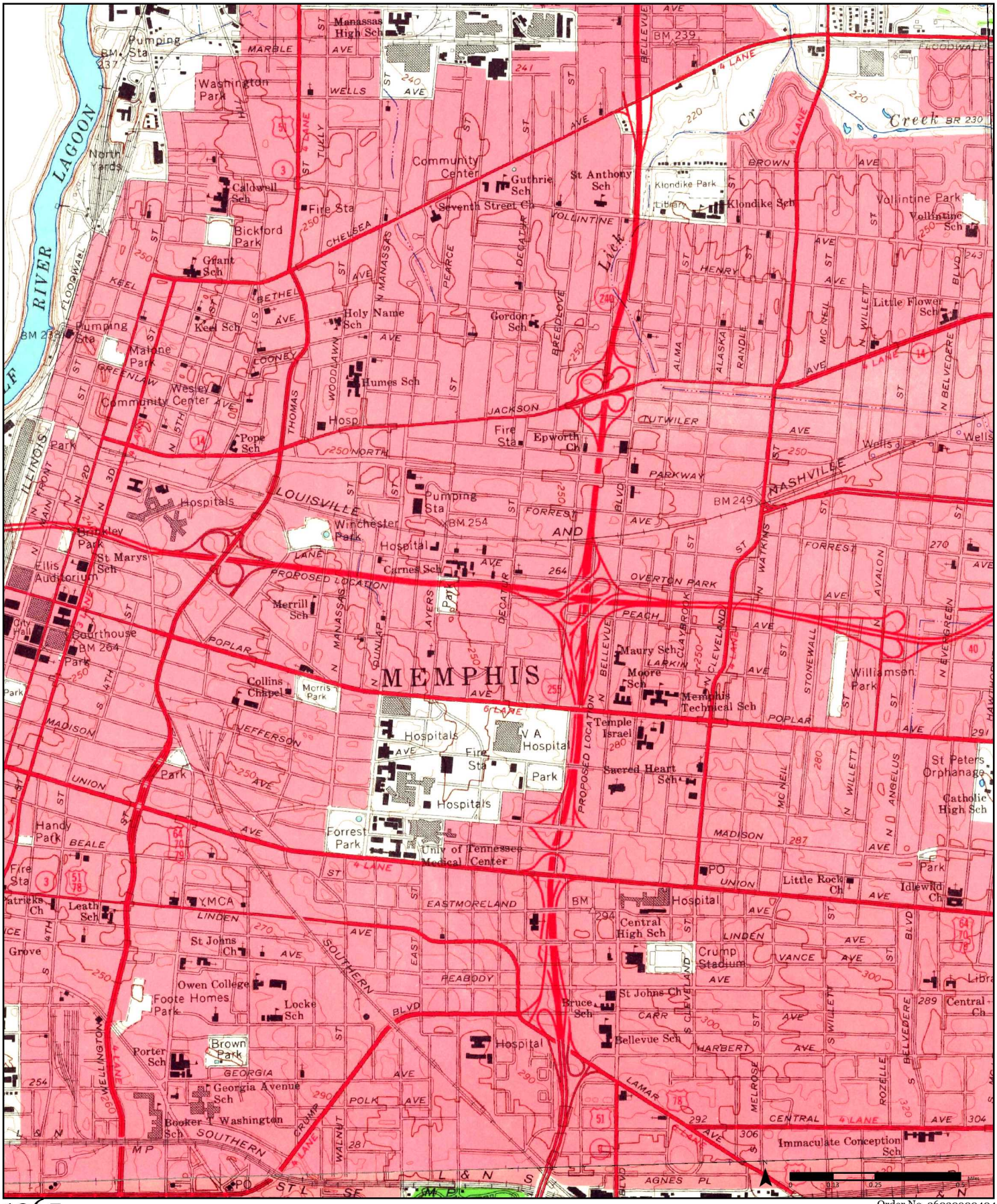
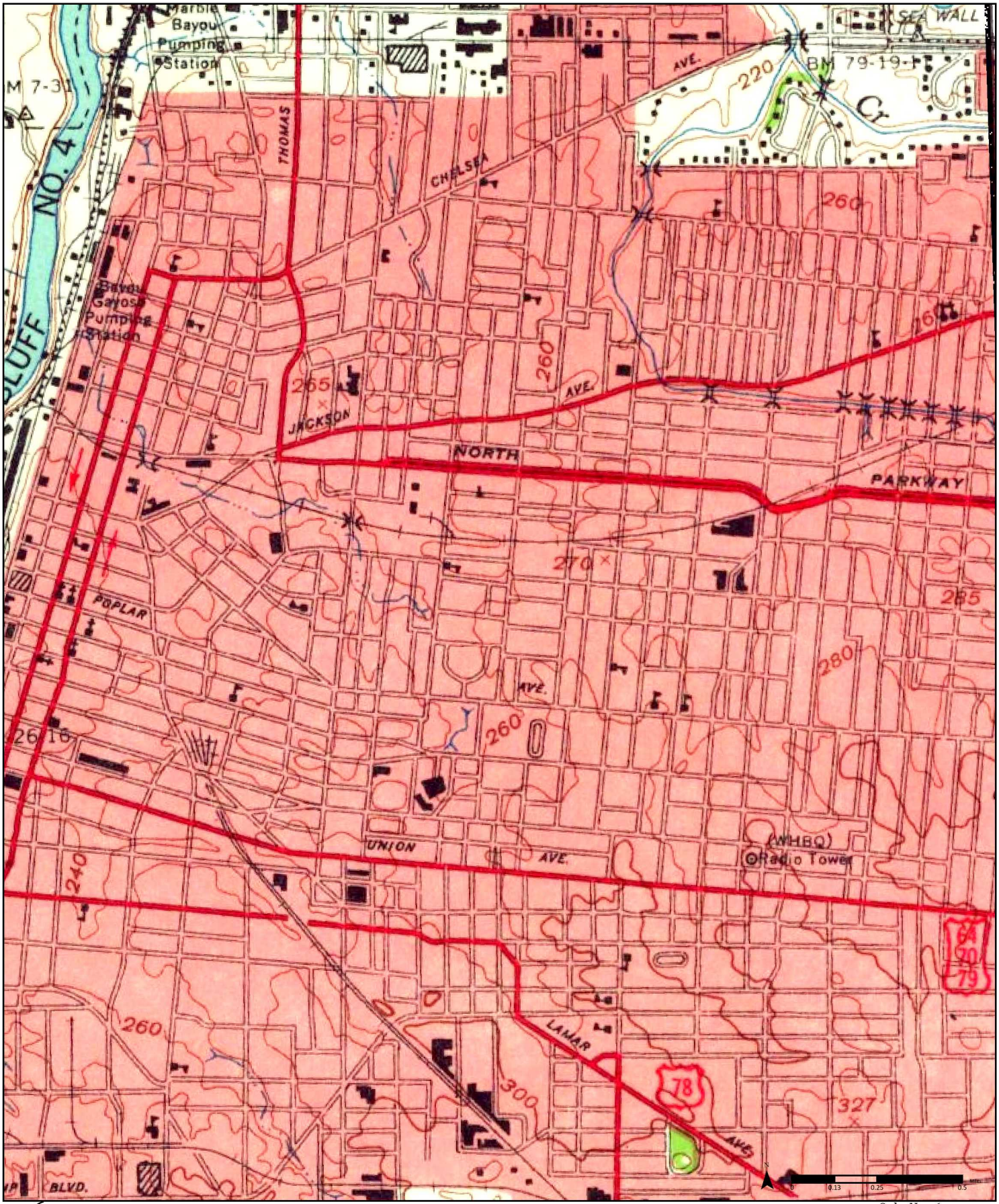
Malone Park
Wesley Community Center
Pope Sch
Holy Name Sch
Gordon Sch
Humes Sch
Hosp
Hospitals
Brinkley Park
St Marys Sch
Ellis Auditorium
Courthouse
Park
Collins Chapel
Morris Park
Merrill Sch
Winchester Park
Carnes Sch
Hospital
Pumping Sta
Guthrie Sch
St Anthony Sch
Seventh Street Ch
Klondike Park
Klondike Sch
Vollintine Park
Vollintine Sch
Little Flower Sch
Epworth Ch
Fire Sta
Wells
Williamson Park
Memphis Technical Sch
Maury Sch
Moore Sch
Temple Israel
Sacred Heart Sch
St Peters Orphanage
Catholic High Sch
V A Hospital
Hospitals
Park


MEMPHIS
RIVER
LAGOON
Pumping Sta
Washington Park
North Ends
Manassas High Sch
Community Center
Guthrie Sch
St Anthony Sch
Klondike Park
Klondike Sch
Vollintine Park
Vollintine Sch
Caldwell Sch
Fire Sta
Seventh Street Cb
Bickford Park
Grant Sch
Holy Name Sch
Gordon Sch
Little Flower Sch
Keel Sch
Malone Park
Wesley Community Center
Humes Sch
Hosp
Pope Sch
Epworth Ch
Hospitals
Brinkley Park
Winchester Park
Pumping Sta
BM 254
BM 249
St Marys Sch
Ellis Auditorium
Carnes Sch
Merrill Sch
Courthouse
BM 264
Collins Chapel
Morris Park
Maury Sch
Moore Sch
Memphis Technical Sch
Williamson Park
Temple Israel
V A Hospital
Sacred Heart Sch
St Peters Orphanage
Catholic High Sch
Handy Park
Forrest Park
Univ of Tennessee Medical Center
Little Rock Ch
Idlewild Ch
YMCA
Leath Sch
Central High Sch
Crump Stadium
St Johns Ch
Owen College
Foote Homes Park
Locke Sch
Bruce Sch
Bellevue Sch
Porter Sch
Brown Park
Georgia Avenue Sch
Booker T Washington Sch
Immaculate Conception Sch
Creek BR 230
PROPOSED LOCATION
PROPOSED LOCATION
LOUISVILLE AND NASHVILLE
SOUTHERN
L & N
MP
ILLINOIS CENTRAL
Park
Fire Sta
Hospital
Hospitals
Pumping Sta
Community Center
Wells
Wells
Park
Park
Park



1960

(1-1960) *Aerial Photo Year: 1958*

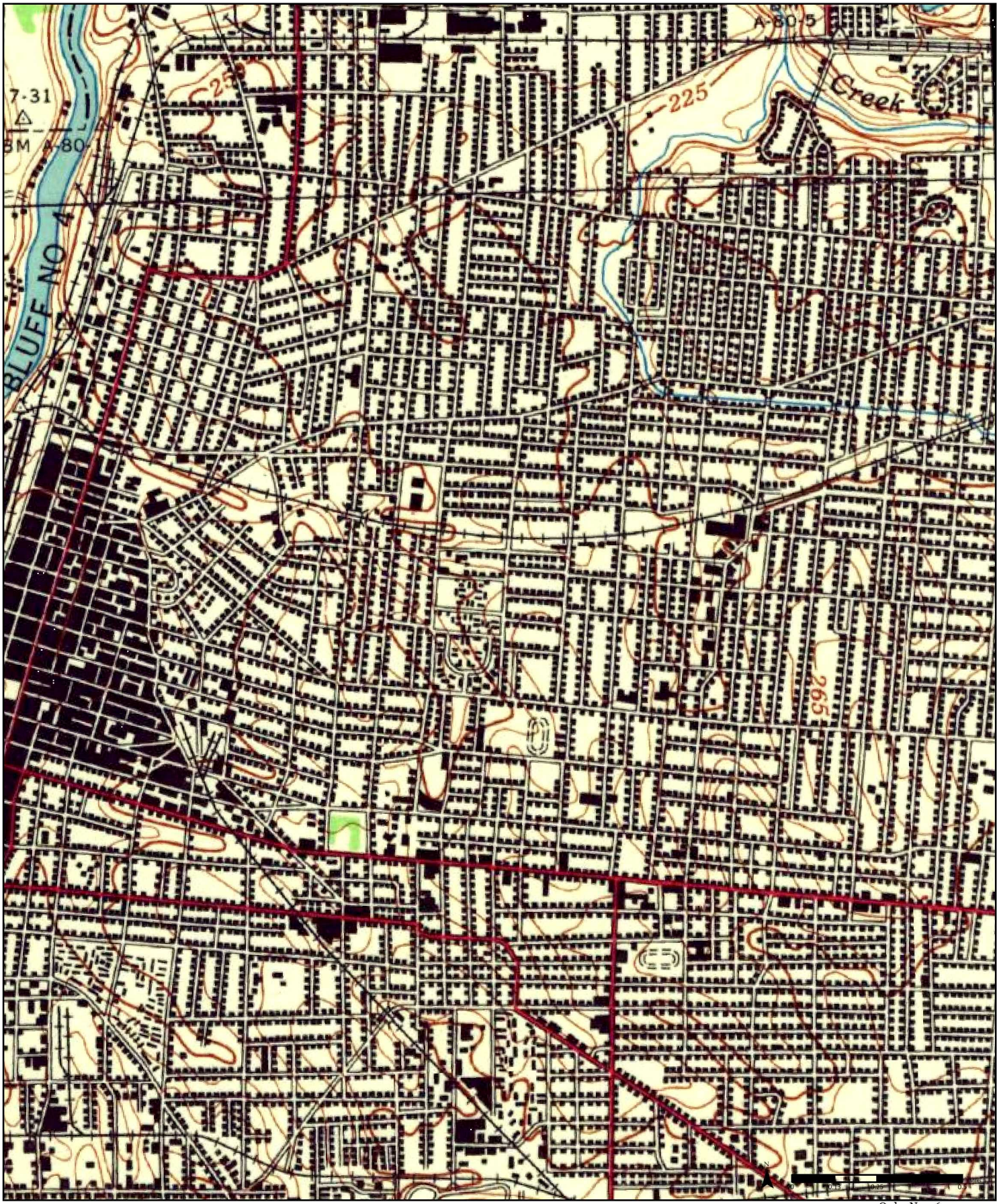
(2-1960) *Aerial Photo Year: 1958*

Order No. 26030900404

Available Quadrangle(s): Memphis, TN(1-1960)
Bartlett, TN(2-1960)

Source: USGS 15 Minute Topographic Map

ERIS



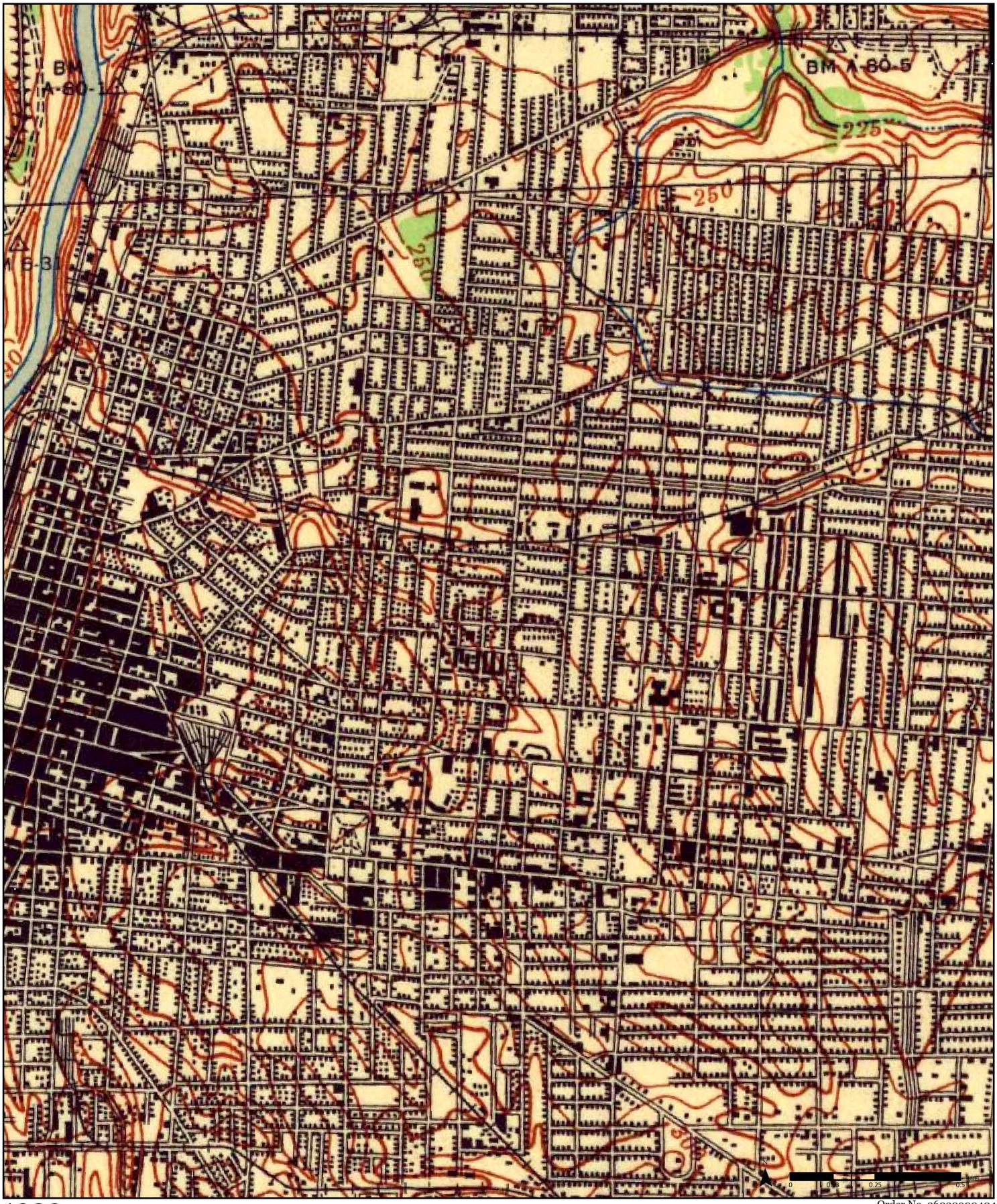
1955 (1-1955)

Aerial Photo Year: 1952

Order No. 26030900404

Available Quadrangle(s): Memphis, TN(1-1955)

Source: USGS 15 Minute Topographic Map



1939

Order No. 26030900404

Available Quadrangle(s): Memphis, TN

Source: USGS 15 Minute Topographic Map

ERIS

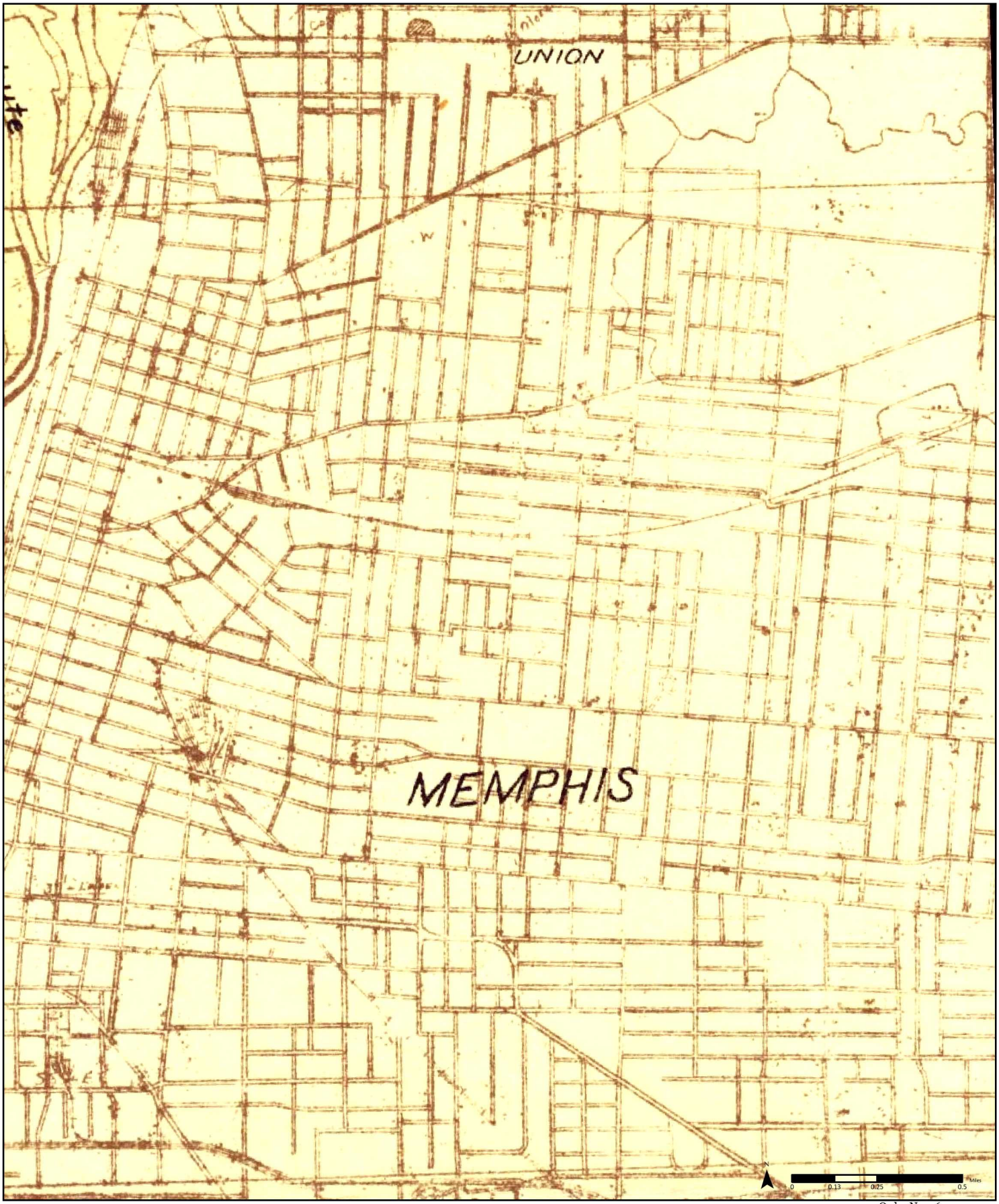
1927

Order No. 26030900404

Available Quadrangle(s): Memphis, TN

Source: USGS 15 Minute Topographic Map

ERIS



1925

Order No. 26030900404

Available Quadrangle(s): Memphis, TN

Source: USGS 15 Minute Topographic Map

1916

Order No. 26030900404

Available Quadrangle(s): Memphis, TN

Source: USGS 15 Minute Topographic Map

Appendix D
Physical Setting Documents

PSR
PHYSICAL SETTING REPORT

Property Information

Order Number:	26030900404p
Date Completed:	March 10, 2026
Project Number:	Z000000005
Project Property:	Future Edgeview II 981 Peach Avenue Memphis TN
Coordinates:	
Latitude:	35.14918908
Longitude:	-90.02630188
UTM Northing:	3893637.1597 Meters
UTM Easting:	770902.7712 Meters
UTM Zone:	UTM Zone 15S
Elevation:	276.96 ft
Slope Direction:	WNW

Topographic Information....2
Hydrologic Information....4
Geologic Information....9
Soil Information....11
Wells and Additional Sources....14
Summary....15
Detail Report....18
Radon Information....102
Appendix....103
Liability Notice....105

The ERIS ***Physical Setting Report - PSR*** provides comprehensive information about the physical setting around a site and includes a complete overview of topography and surface topology, in addition to hydrologic, geologic and soil characteristics. The location and detailed attributes of oil and gas wells, water wells, public water systems and radon are also included for review.

The compilation of both physical characteristics of a site and additional attribute data is useful in assessing the impact of migration of contaminants and subsequent impact on soils and groundwater.

Disclaimer

This Report does not provide a full environmental evaluation for the site or adjacent properties. Please see the terms and disclaimer at the end of the Report for greater detail.

Topographic Information

Current USGS Topo (2022)

Miles
0 0.17 0.35 0.7

N

Quadrangle(s): Northwest Memphis,TN

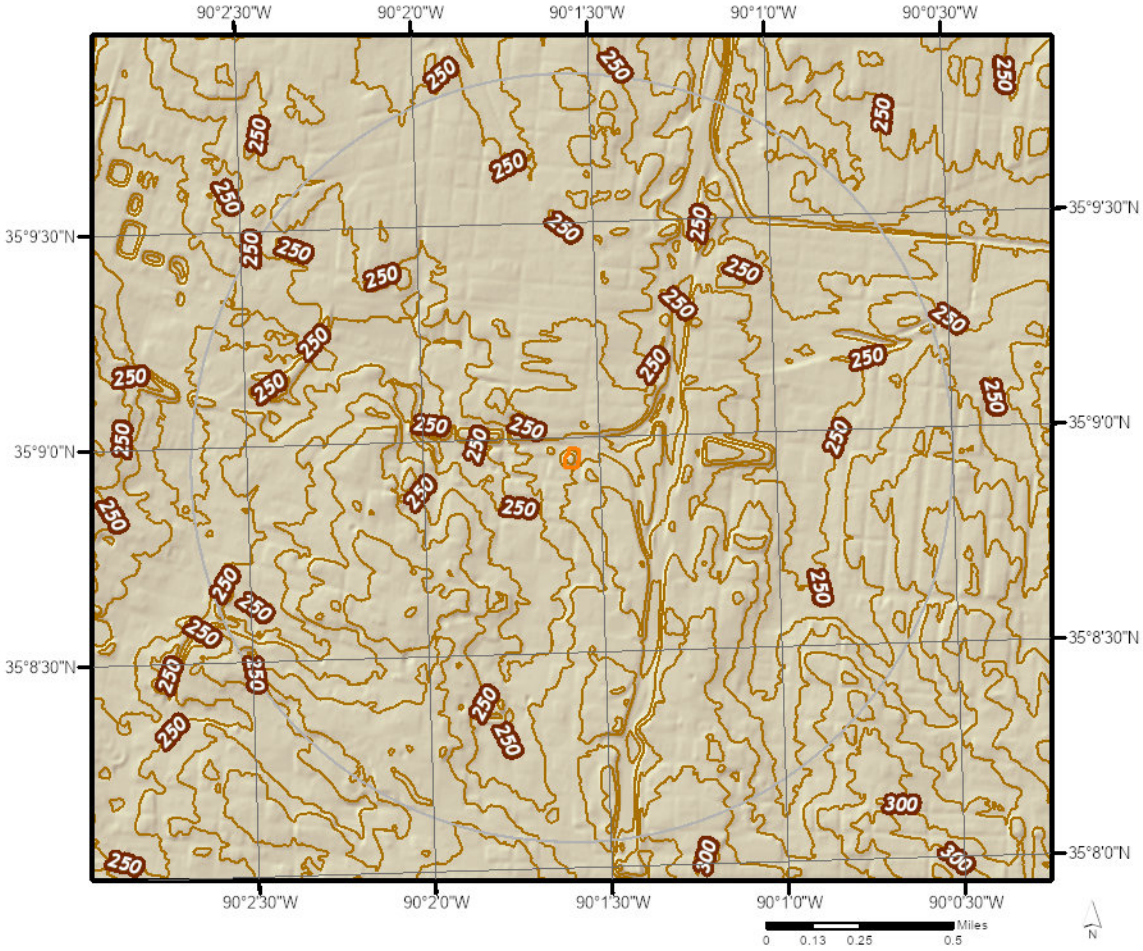
Source: USGS 7.5 Minute Topographic Map

Topographic Information

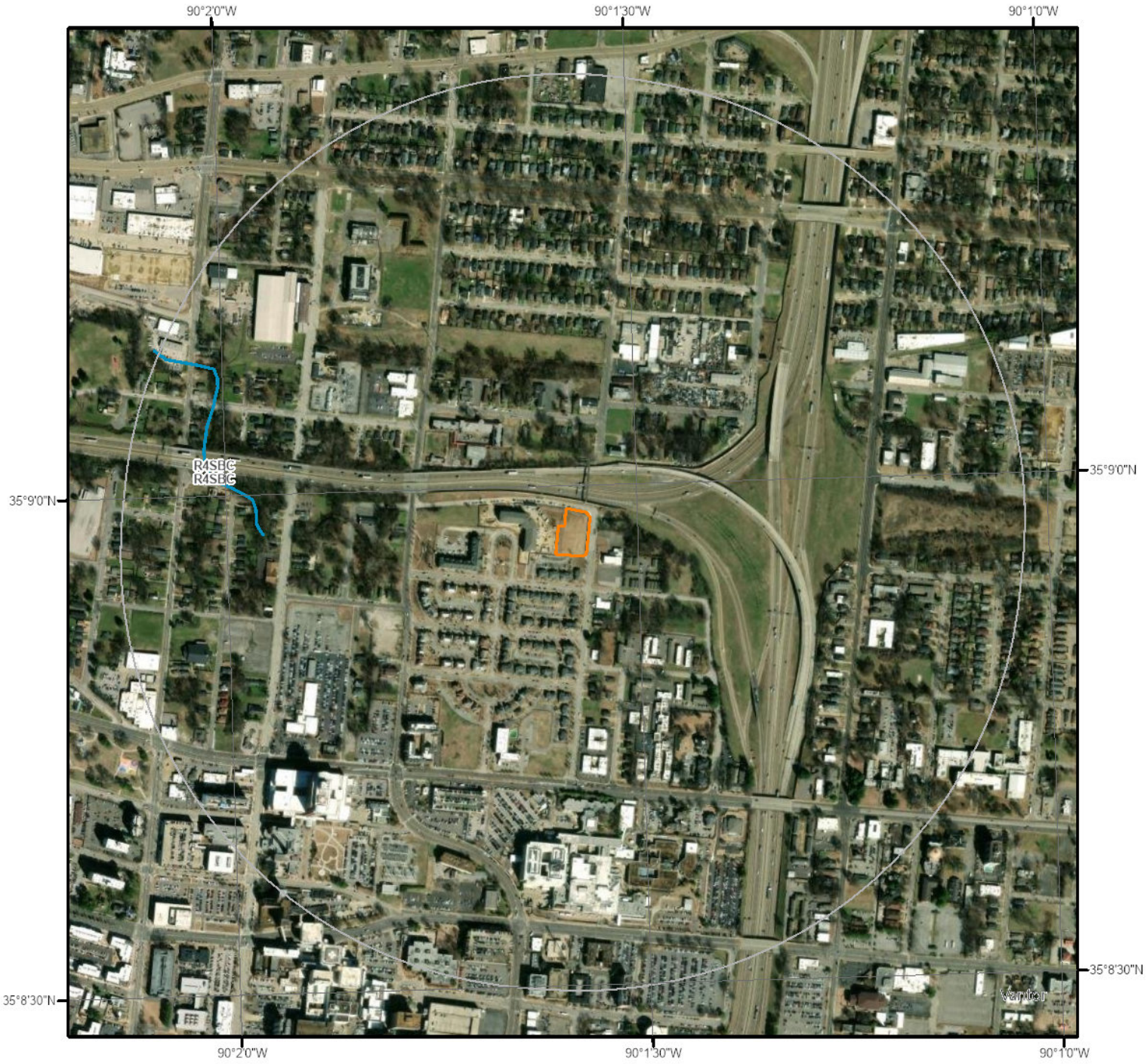
The previous topographic map(s) are created by seamlessly merging and cutting current USGS topographic data. Below are shaded relief map(s), derived from USGS elevation data to show surrounding topography in further detail.

Topographic information at project property:

Elevation:	276.96 ft
Slope Direction:	WNW



Hydrologic Information



Wetland

0 0.15 0.3 Miles

N

This map shows wetland existence using data from US Fish & Wildlife.
Data coverage is shown to the right. Gray indicates no data available in the area.

- Estuarine and Marine Deepwater
- Estuarine and Marine Wetland
- Freshwater Emergent Wetland
- Freshwater Forested/Shrub Wetland
- Freshwater Pond
- Lake
- Other
- Riverine

ERIS

Hydrologic Information

Flood Hazard Zones

This map shows FEMA flood hazard zones based on FEMA's National Flood Hazard Layer. FIRM Panels are overlayed. An absent FIRM panel represents no data available.

Miles
0 0.09 0.17

N

- 1% Annual Chance Flood Hazard
- Regulatory Floodway
- Special Floodway
- Area of Undetermined Flood Hazard
- 0.2% Annual Chance Flood Hazard
- Future Conditions 1% Annual Chance Flood Hazard
- Area with Reduced Risk Due to Levee
- Area with Risk Due to Levee
- Open Water

Quadrangle(s): Northwest Memphis,TN

ERIS

Hydrologic Information

The Wetland Type map shows wetland existence overlaid on an aerial imagery. The Flood Hazard Zones map shows FEMA flood hazard zones overlaid on an aerial imagery. Relevant FIRM panels and detailed zone information is provided below.
For detailed Zone descriptions please click the link: https://floodadvocate.com/fema-zone-definitions

Available FIRM Panels in area:	47157C0270F(effective:2007-09-28) 05035C0375E(effective:2011-05-03)

Flood Zone X-12

Zone:	X
Zone subtype:	AREA OF MINIMAL FLOOD HAZARD

Hydrologic Information

FEMA Flood Zone Definitions

Special Flood Hazard Areas – High Risk

Special Flood Hazard Areas represent the area subject to inundation by 1-percent-annual chance flood. Structures located within the SFHA have a 26-percent chance of flooding during the life of a standard 30-year mortgage. Federal floodplain management regulations and mandatory flood insurance purchase requirements apply in these zones.

ZONE	DESCRIPTION
A	Areas subject to inundation by the 1-percent-annual-chance flood event. Because detailed hydraulic analyses have not been performed, no Base Flood Elevations (BFEs) or flood depths are shown.
AE, A1-A30	Areas subject to inundation by the 1-percent-annual-chance flood event determined by detailed methods. BFEs are shown within these zones. (Zone AE is used on new and revised maps in place of Zones A1–A30.)
AH	Areas subject to inundation by 1-percent-annual-chance shallow flooding (usually areas of ponding) where average depths are 1–3 feet. BFEs derived from detailed hydraulic analyses are shown in this zone.
AO	Areas subject to inundation by 1-percent-annual-chance shallow flooding (usually sheet flow on sloping terrain) where average depths are 1–3 feet. Average flood depths derived from detailed hydraulic analyses are shown within this zone.
AR	Areas that result from the decertification of a previously accredited flood protection system that is determined to be in the process of being restored to provide base flood protection.
A99	Areas subject to inundation by the 1-percent-annual-chance flood event, but which will ultimately be protected upon completion of an under-construction Federal flood protection system. These are areas of special flood hazard where enough progress has been made on the construction of a protection system, such as dikes, dams, and levees, to consider it complete for insurance rating purposes. Zone A99 may be used only when the flood protection system has reached specified statutory progress toward completion. No BFEs or flood depths are shown.

Coastal High Hazard Areas – High Risk

Coastal High Hazard Areas (CHHA) represent the area subject to inundation by 1-percent-annual chance flood, extending from offshore to the inland limit of a primary front al dune along an open coast and any other area subject to high velocity wave action from storms or seismic sources. Structures located within the CHHA have a 26-percent chance of flooding during the life of a standard 30-year mortgage. Federal floodplain management regulations and mandatory purchase requirements apply in these zones.

ZONE	DESCRIPTION
V	Areas along coasts subject to inundation by the 1-percent-annual-chance flood event with additional hazards associated with storm-induced waves. Because detailed coastal analyses have not been performed, no BFEs or flood depths are shown.
VE, V1-V30	Areas along coasts subject to inundation by the 1-percent-annual-chance flood event with additional hazards due to storm-induced velocity wave action. BFEs derived from detailed hydraulic coastal analyses are shown within these zones. (Zone VE is used on new and revised maps in place of Zones V1–V30.)

Hydrologic Information

Moderate and Minimal Risk Areas

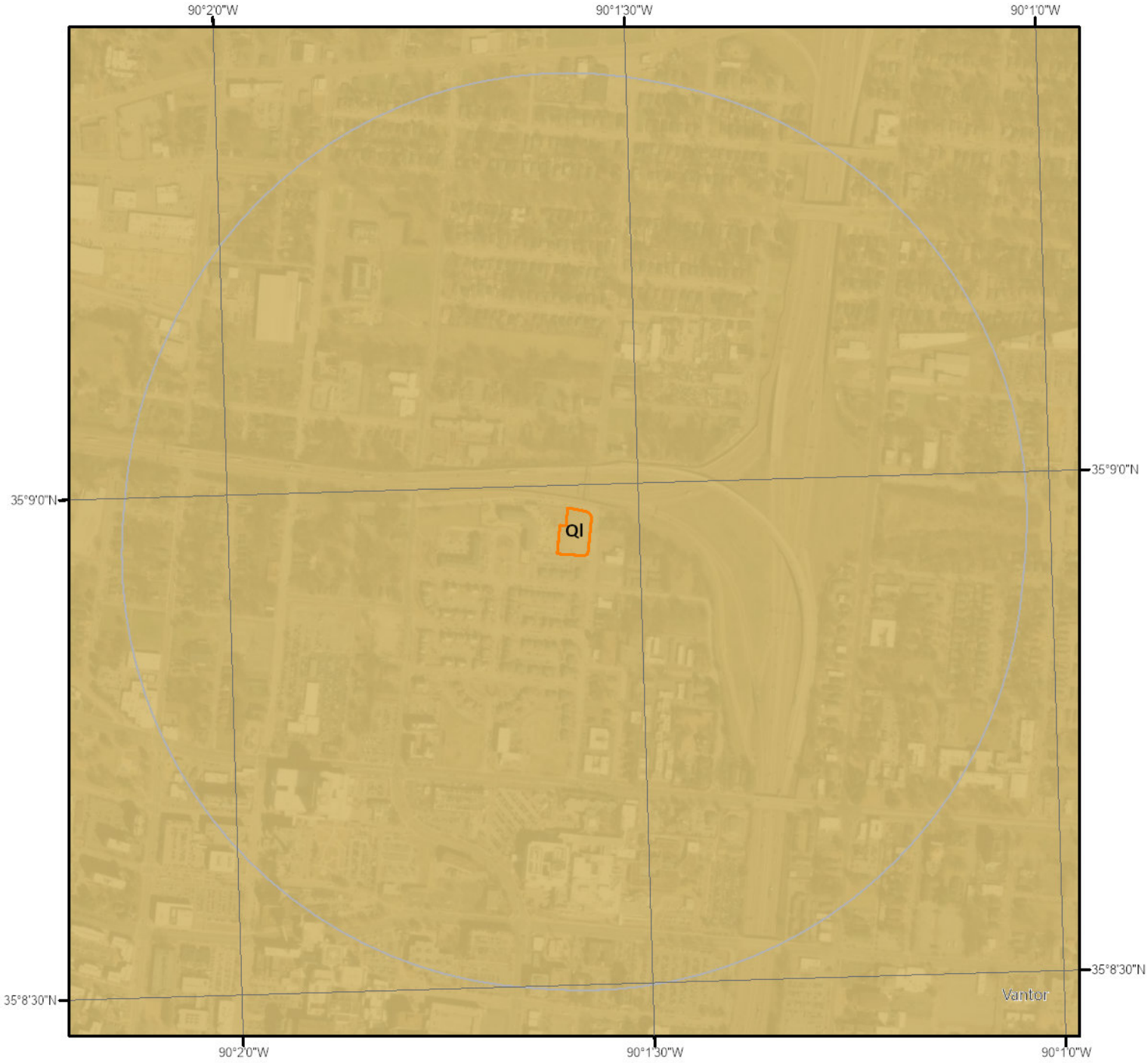
Areas of moderate or minimal hazard are studied based upon the principal source of flood in the area. However, buildings in these zones could be flooded by severe, concentrated rainfall coupled with inadequate local drainage systems. Local stormwater drainage systems are not normally considered in a community's flood insurance study. The failure of a local drainage system can create areas of high flood risk within these zones. Flood insurance is available in participating communities, but is not required by regulation in these zones. Nearly 25-percent of all flood claims filed are for structures located within these zones.

ZONE	DESCRIPTION
B, X (shaded)	Moderate risk areas within the 0.2-percent-annual-chance floodplain, areas of 1-percent-annual-chance flooding where average depths are less than 1 foot, areas of 1-percent-annual-chance flooding where the contributing drainage area is less than 1 square mile, and areas protected from the 1-percent-annual-chance flood by a levee. No BFEs or base flood depths are shown within these zones. (Zone X (shaded) is used on new and revised maps in place of Zone B.)
C, X (unshaded)	Minimal risk areas outside the 1-percent and .2-percent-annual-chance floodplains. No BFEs or base flood depths are shown within these zones. (Zone X (unshaded) is used on new and revised maps in place of Zone C.)

Undetermined Risk Areas

ZONE	DESCRIPTION
D	Unstudied areas where flood hazards are undetermined, but flooding is possible. No mandatory flood insurance purchase requirements apply, but coverage is available in participating communities.

Geologic Information



Geologic Units

This maps shows geologic units in the area. Please refer to the report for detailed descriptions.

N

0 0.1 0.3 Miles

ERIS

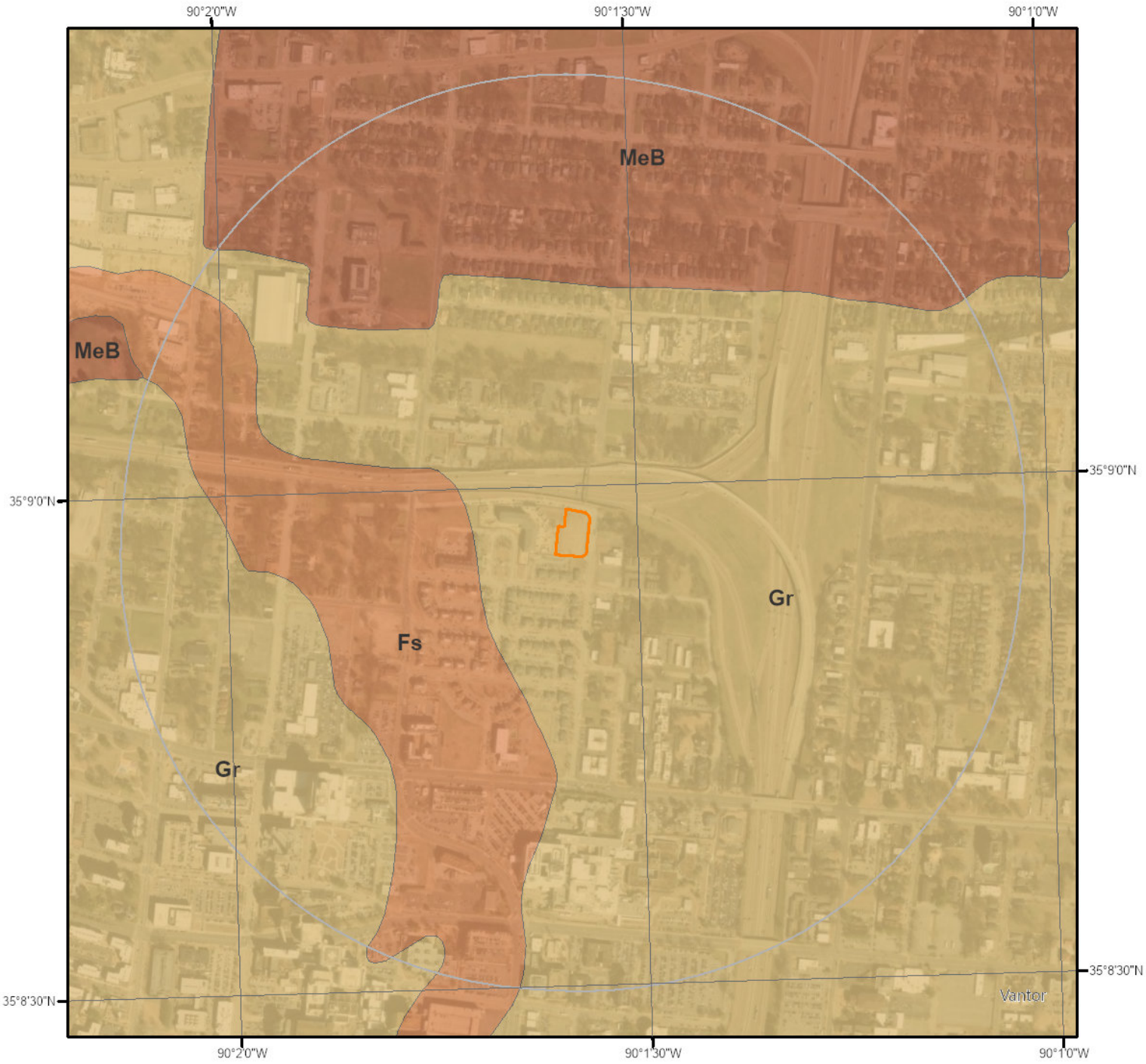
Geologic Information

The previous page shows USGS geology information. Detailed information about each unit is provided below.

Geologic Unit Ql

Unit Name:	Loess
Unit Age:	Quaternary
Primary Rock Type:	Silt
Secondary Rock Type:	
Unit Description:	Clayey and sandy silt, gray to brown, massive. Maximum thickness about 100 feet along bluffs of Mississippi River; thins eastward. (Minimum mapped thickness 4 feet.)

Soil Information



SSURGO Soils

N

0 0.1 0.3 Miles

This maps shows SSURGO soil units around the target property. Please refer to the report for detailed soil descriptions.

ERIS

Soil Information

The previous page shows a soil map using SSURGO data from USDA Natural Resources Conservation Service. Detailed information about each unit is provided below.

Map Unit Fs (15.76%)

Map Unit Name:	Filled land, silty (Udorthent, silty)
Bedrock Depth - Min:	
Watertable Depth - Annual Min:	
Drainage Class - Dominant:	Well drained
Hydrologic Group - Dominant:	

Major components are printed below

Udorthents, silty(100%)

horizon H1(0cm to 152cm) — Silt loam

Component Description:

Minor map unit components are excluded from this report.

Map Unit: Fs - Filled land, silty (udorthent, silty)

Component: Udorthents, silty (100%)
Generated brief soil descriptions are created for major soil components. The Udorthents, silty is a miscellaneous area.

Map Unit Gr (66.1%)

Map Unit Name:	Graded land, silty materials (Udorthent, silty)
Bedrock Depth - Min:	
Watertable Depth - Annual Min:	
Drainage Class - Dominant:	Well drained
Hydrologic Group - Dominant:	

Major components are printed below

Udorthents, silty(100%)

horizon H1(0cm to 152cm) — Silt loam

Component Description:

Minor map unit components are excluded from this report.

Map Unit: Gr - Graded land, silty materials(udorthent, silty)

Component: Udorthents, silty (100%)
Generated brief soil descriptions are created for major soil components. The Udorthents, silty is a miscellaneous area.

Map Unit MeB (18.14%)

Map Unit Name:	Memphis silt loam, 2 to 5 percent slopes, northern phase
Bedrock Depth - Min:	
Watertable Depth - Annual Min:	
Drainage Class - Dominant:	Well drained
Hydrologic Group - Dominant:	B - Soils in this group have moderately low runoff potential when thoroughly wet. Water transmission through the soil is unimpeded.

Major components are printed below

Soil Information

Memphis(100%)

horizon Ap(0cm to 18cm)	Silt loam
horizon Bt1(18cm to 46cm)	Silty clay loam
horizon Bt2(46cm to 188cm)	Silt loam
horizon C(188cm to 274cm)	Silt loam

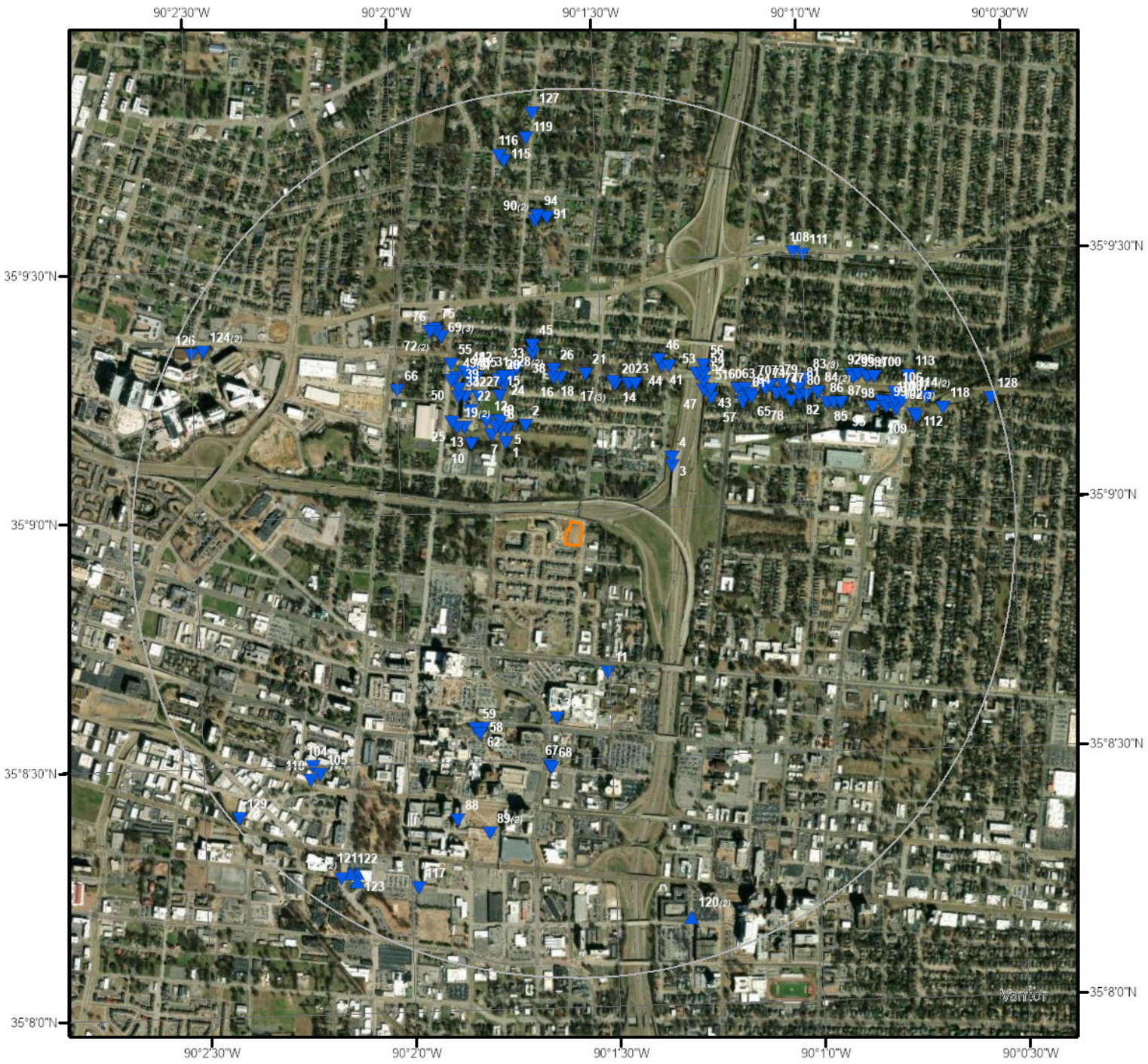
Component Description:

Minor map unit components are excluded from this report.

Map Unit: MeB - Memphis silt loam, 2 to 5 percent slopes, northern phase

Component: Memphis (100%)
The Memphis component makes up 100 percent of the map unit. Slopes are 2 to 5 percent. This component is on loess hills on plains. The parent material consists of fine-silty noncalcareous loess. Depth to a root restrictive layer is greater than 60 inches. The natural drainage class is well drained. Water movement in the most restrictive layer is moderately high. Available water to a depth of 60 inches (or restricted depth) is very high. Shrink-swell potential is low. This soil is not flooded. It is not ponded. There is no zone of water saturation within a depth of 72 inches. Organic matter content in the surface horizon is about 2 percent. This component is in the F134XY002AL Northern Deep Loess Summit - Provisional ecological site. Nonirrigated land capability classification is 2e. This soil does not meet hydric criteria.

Wells and Additional Sources



Wells & Additional Sources

N

0 0.3 0.6 Miles

- Sites with Higher Elevation
- Sites with Same Elevation
- Sites with Lower Elevation
- Sites with Unknown Elevation
- OGW Sites with Higher Elevation
- OGW Sites with Same Elevation
- OGW Sites with Lower Elevation
- OGW Sites with Unknown Elevation

ERIS

Wells and Additional Sources Summary

Federal Sources

Public Water Systems Violations and Enforcement Data

Map Key	PWS ID	Distance (ft)	Direction
120	TN0008230	4747.60	SSE

Safe Drinking Water Information System (SDWIS)

Map Key	PWS ID	Distance (ft)	Direction
120	TN0008230	4747.60	SSE

USGS National Water Information System

Map Key	Loc Identifier	Distance (ft)	Direction
1	USGS-350908090014401	1239.84	NW
2	USGS-350910090014101	1287.60	NNW
7	USGS-350909090014601	1423.30	NW
8	USGS-350910090014501	1466.68	NW
10	USGS-350908090014901	1530.07	NW
11	USGS-350840090013001	1592.93	SSE
13	USGS-350910090015001	1726.45	NW
17	USGS-350915090012801	1772.19	NNE
17	USGS-350915090012800	1772.19	NNE
17	USGS-350915090012804	1772.19	NNE
19	USGS-350910090015102	1787.92	NW
19	USGS-350910090015101	1787.92	NW
21	USGS-350916090013201	1804.64	N
22	USGS-350912090014901	1815.94	NW
24	USGS-350915090014401	1850.97	NNW
25	USGS-350911090015210	1881.43	NW
28	USGS-350916090014302	1912.70	NNW
28	USGS-350916090014301	1912.70	NNW
29	USGS-350916090014501	1933.76	NNW
31	USGS-350916090014401	1943.65	NNW
33	USGS-350917090014201	1981.17	NNW
35	USGS-350916090014801	2096.01	NNW
40	USGS-350916090014901	2140.48	NNW
46	USGS-350917090012000	2212.38	NNE
49	USGS-350916090015100	2236.03	NW
49	USGS-350916090015101	2236.03	NW
57	USGS-350912090010901	2468.13	NE
62	USGS-350833090014901	2536.60	SSW
64	USGS-350913090100801	2594.55	NE
67	USGS-350829090013901	2702.45	S
69	USGS-350921090015300	2745.67	NW
69	USGS-350921090015302	2745.67	NW
69	USGS-350921090015301	2745.67	NW
70	USGS-350914090010601	2788.50	NE
73	USGS-350914090010503	2856.45	NE
74	USGS-350913090010401	2870.25	NE
75	USGS-350922090015401	2875.87	NW
77	USGS-350913090010302	2941.01	NE
78	USGS-350914090010501	2962.37	ENE
79	USGS-350914090010301	2994.63	NE
84	USGS-350913090005801	3302.68	ENE

84	USGS-350913090005802	3302.68	ENE
89	USGS-350821090014801	3643.70	SSW
89	USGS-350821090014800	3643.70	SSW
91	USGS-350935090013701	3715.24	N
92	USGS-350915090005302	3764.51	ENE
94	USGS-350936090013901	3750.46	N
95	USGS-350911090005001	3826.92	ENE
96	USGS-350915090005201	3838.29	ENE
99	USGS-350911090004803	3982.94	ENE
99	USGS-350911090004801	3982.94	ENE
101	USGS-350912090004801	4043.91	ENE
108	USGS-350930090010101	4208.07	NE
109	USGS-350910090004401	4266.76	ENE
110	USGS-350829090021401	4230.82	SW
114	USGS-350912090004200	4486.96	ENE
114	USGS-350912090004201	4486.96	ENE
115	USGS-350942090014301	4470.57	N
124	USGS-350920090022800	4930.36	WNW
124	USGS-350920090022801	4930.36	WNW
125	USGS-350816090021000	4913.53	SW
125	USGS-350816090021001	4913.53	SW
127	USGS-350947090013901	5002.48	N

State Sources

County Water Wells

Map Key	Well No	Distance (ft)	Direction
3	15709519	1318.79	NE
4	15709518	1373.98	NE
5	15709651	1363.15	NNW
6	15709608	1409.59	NW
9	15709607	1493.30	NNW
12	15709711	1590.08	NW
14	15709726	1745.99	NNE
15	15709671	1755.21	NNW
16	15709616	1757.50	N
18	15709615	1762.66	N
20	15709617	1801.04	NNE
23	15709618	1832.64	NNE
26	15709663	1863.54	N
27	15709648	1883.98	NW
30	20082152	1936.44	NNW
32	15709675	1982.74	NW
34	15709649	2035.23	NW
36	15709576	2122.09	S
37	15709653	2098.20	NNW
38	15709614	2098.46	NNW
39	15709650	2113.55	NW
41	15709620	2162.28	NNE
42	15709611	2183.64	NNW
43	15709622	2207.80	NE
44	15709619	2204.39	NNE
45	15709613	2197.92	NNW
47	15709666	2218.85	NE
48	15709610	2228.48	NW
50	15709712	2244.25	NW
51	15709621	2277.35	NE
52	15701038	2292.54	NE
53	15709652	2314.56	NE
54	15709605	2368.00	NE
55	20171720	2402.86	NW

56	15709606	2445.57	NE
58	15709563	2464.72	SSW
59	15709564	2502.35	SSW
60	15709624	2525.98	NE
61	20161087	2529.26	NE
63	15709623	2590.85	NE
65	15709722	2597.58	NE
66	15701028	2644.15	NW
68	15709690	2732.30	S
71	15709727	2790.77	NE
72	15709612	2833.69	NW
72	15709720	2833.69	NW
76	15709658	2880.23	NW
80	15709625	3092.02	ENE
81	15709660	3142.18	ENE
82	15709626	3164.54	ENE
83	15701037	3265.21	NE
83	15701029	3265.21	NE
83	15701030	3265.21	NE
85	15709715	3341.74	ENE
86	15709628	3417.02	ENE
87	15709627	3492.91	ENE
88	15709504	3613.88	SSW
90	15709667	3691.93	N
90	20041112	3691.93	N
93	15709719	3773.63	ENE
93	15709723	3773.63	ENE
97	15709630	3922.22	ENE
98	15709714	3954.13	ENE
100	15709629	3997.16	ENE
102	15709581	4076.58	ENE
102	20161086	4076.58	ENE
102	20172132	4076.58	ENE
103	15709631	4109.62	ENE
104	15709549	4101.07	SW
105	15709548	4104.02	SW
106	15709632	4145.47	ENE
107	15709665	4187.81	ENE
111	15709600	4254.84	NE
112	15709729	4283.35	ENE
113	15701036	4376.05	ENE
116	15709668	4546.88	N
117	15709517	4558.64	SSW
118	15709633	4630.72	ENE
119	15709661	4707.00	N
121	15709514	4747.93	SSW
122	15709512	4795.24	SSW
123	15709513	4832.83	SSW
126	15709496	5038.44	WNW
128	15709634	5217.38	ENE
129	15709547	5192.69	SW

Oil and Gas Wells

Map Key	ID	Distance (ft)	Direction
	No records found		

Public Water Systems Violations and Enforcement Data

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
120	SSE	0.90	4,747.60	292.27	PWSV

PWS ID:	TN0008230
PWS Type Code:	CWS
PWS Type Description:	Community water system
Primary Source Code:	GWP
Primary Source Desc:	Ground water purchased
PWS Activity Code:	I
PWS Activity Description:	Inactive
PWS Deactivation Date:	04/19/2007
Zip Code:	38104
Phone No:	
Phone Ext No:	
Admin Name:	CAMPBELL, SHEREE
Alt Phone No:	
Email Addr:	
Fax No:	
Cds ID:	
Population Served Count:	572
Epa Region Desc:	Region 4
Epa Region:	04
First Reported Date:	05/15/2004
Gw or Sw:	Groundwater
Gw Sw Code:	GW
Is Grant Eligible Ind:	No
Outstanding Performer:	
Is School or Daycare Ind:	No
Is Source Water Protection:	No
Is Wholesaler Ind:	No
Lt2 Schedule Cat:	
Lt2 Schedule Cat Code:	
Last Reported Date:	11/20/2018
Org Name:	CAMPBELL, SHEREE
Outstanding Perform Begin Date:	
Owner Type:	Private
Pop Cat 11:	501-1,000
Pop Cat 2:	<10,000
Pop Cat 3:	<=3300
Pop Cat 4:	<10K
Pop Cat 5:	501-3,300
Primacy Agency:	Tennessee
Season Begin Date:	

Season End Date:	
Service Connections Count:	220
Submission Status Code:	Y
Submissionyearquarter:	2025Q2
Primacy Type:	State
Dbpr Schedule Category:	
Submission Status:	Reported and accepted
Reduced Monitoring Begin Date:	
Reduced Monitoring End Date:	
Reduced Rtcr Monitoring:	
Seasonal Startup System:	
Source Protection Begin Date:	
City Served:	
County Served:	Shelby
Source Water Protection Code:	N

Safe Drinking Water Information System (SDWIS)

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
120	SSE	0.90	4,747.60	292.27	SDWIS

PWS ID:	TN0008230
PWS Type Code:	CWS
PSW Type:	Community water system
Primary Source Code:	GWP
Primary Source:	Ground water purchased
Pws Activity Code:	I
Activity:	Inactive
PWS Deactivation Dt:	04/19/2007
Phone No:	
Phone Ext No:	
Admin Name:	CAMPBELL, SHEREE
Alt Phone No:	
Email Addr:	
Fax No:	
Cds ID:	
Population Served Count:	572
Epa Region Desc:	Region 4
Epa Region:	04
First Reported Date:	05/15/2004
Gw or Sw:	Groundwater
Is Grant Eligible Ind:	No
Outstanding Performer:	
Is School or Daycare Ind:	No
Is Wholesaler Ind:	No

Lt2 Schedule Cat:	
Last Reported Date:	11/20/2018
Org Name:	CAMPBELL, SHEREE
Outstanding Perform Begin Date:	
Owner Type:	Private
Pop Cat 11:	501-1,000
Pop Cat 2:	<10,000
Pop Cat 3:	<=3300
Pop Cat 4:	<10K
Pop Cat 5:	501-3,300
Primacy Agency:	Tennessee
Primacy Agency Code:	TN
Season Begin Date:	
Season End Date:	
Service Connections Count:	220
Submission Yr Qtr:	2025Q2
Primacy Type:	State
Dbpr Schedule Category:	
Submission Status:	Reported and accepted
Reduced Monitoring Begin:	
Reduced Monitoring End Date:	
Reduced Rtcr Monitoring:	
Seasonal Startup System:	
Source Protection Begin Date:	
City Served:	
County Served:	Shelby

USGS National Water Information System

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
1	NW	0.23	1,239.84	254.83	FED USGS

Loc Identifier:	USGS-350908090014401	Well Depth:	1389.0
Date Drilled:		Well Depth Unit:	ft
Latitude:	35.1523119191261	Well Hole Depth:	
Longitude:	-90.028979549267	Well Hole Dpth Unt:	
Loc Horz Coord Std:	NAD83	Loc Country Name:	United States of America
Loc Latitude Stnd:	35.1523119191261	Loc HUC Code:	
Loc Longitude Stnd:	-90.028979549267	Loc Aquifer Code:	124FRPL
Loc Tribl Land Ind:		Loc Aquifer Conte:	
Loc Tribal Land:		Loc Aquifer Desc:	
Location Welltype:		Alt Loc Identif A:	
Alt Loc Identifier:		Alt Loc Identif B:	
Alt Loc Identif 1:		Alt Loc Identif C:	
Alt Loc Identifi 2:			

Wells and Additional Sources Detail Report

Site Type: Well
Formation Type:
Reporting Agency: U.S. Geological Survey
Station Name: SH:O-172

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
2	NNW	0.24	1,287.60	262.85	FED USGS

Loc Identifier: USGS-350910090014101
Date Drilled:
Latitude: 35.1528674585477
Longitude: -90.0281461925097
Loc Horz Coord Std: NAD83
Loc Latitude Stnd: 35.1528674585477
Loc Longitude Stnd: -90.0281461925097
Loc Tribl Land Ind:
Loc Tribal Land:
Location Welltype:
Alt Loc Identifier:
Alt Loc Identif 1:
Alt Loc Identifi 2:
Well Depth: 797.0
Well Depth Unit: ft
Well Hole Depth:
Well Hole Dpth Unt:
Loc Country Name: United States of America
Loc HUC Code: 080101000703
Loc Aquifer Code: 124MMPS
Loc Aquifer Conte:
Loc Aquifer Desc:
Alt Loc Identif A:
Alt Loc Identif B:
Alt Loc Identif C:
Site Type: Well
Formation Type:
Reporting Agency: U.S. Geological Survey
Station Name: SH:O-219

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
7	NW	0.27	1,423.30	255.01	FED USGS

Loc Identifier: USGS-350909090014601
Date Drilled:
Latitude: 35.1525896949072
Longitude: -90.0295351164382
Loc Horz Coord Std: NAD83
Loc Latitude Stnd: 35.1525896949072
Loc Longitude Stnd: -90.0295351164382
Loc Tribl Land Ind:
Loc Tribal Land:
Location Welltype:
Alt Loc Identifier:
Alt Loc Identif 1:
Alt Loc Identifi 2:
Well Depth: 2634.0
Well Depth Unit: ft
Well Hole Depth:
Well Hole Dpth Unt:
Loc Country Name: United States of America
Loc HUC Code:
Loc Aquifer Code: 211MCNR
Loc Aquifer Conte:
Loc Aquifer Desc:
Alt Loc Identif A:
Alt Loc Identif B:
Alt Loc Identif C:
Site Type: Well
Formation Type:
Reporting Agency: U.S. Geological Survey
Station Name: SH:O-169

Wells and Additional Sources Detail Report

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
8	NW	0.28	1,466.68	254.58	FED USGS

Loc Identifier:	USGS-350910090014501	Well Depth:	
Date Drilled:		Well Depth Unit:	ft
Latitude:	35.15286944444444	Well Hole Depth:	
Longitude:	-90.02933888888889	Well Hole Dpth Unt:	
Loc Horz Coord Std:	NAD83	Loc Country Name:	United States of America
Loc Latitude Stnd:	35.15286944444444	Loc HUC Code:	080101000703
Loc Longitude Stnd:	-90.02933888888889	Loc Aquifer Code:	124MMPS
Loc Tribl Land Ind:		Loc Aquifer Conte:	
Loc Tribal Land:		Loc Aquifer Desc:	
Location Welltype:		Alt Loc Identif A:	
Alt Loc Identifier:		Alt Loc Identif B:	
Alt Loc Identif 1:		Alt Loc Identif C:	
Alt Loc Identifi 2:			
Site Type:	Well		
Formation Type:			
Reporting Agency:	U.S. Geological Survey		
Station Name:	Sh:O-263		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
10	NW	0.29	1,530.07	253.01	FED USGS

Loc Identifier:	USGS-350908090014901	Well Depth:	477.0
Date Drilled:		Well Depth Unit:	ft
Latitude:	35.1523119278113	Well Hole Depth:	
Longitude:	-90.0303684714599	Well Hole Dpth Unt:	
Loc Horz Coord Std:	NAD83	Loc Country Name:	United States of America
Loc Latitude Stnd:	35.1523119278113	Loc HUC Code:	
Loc Longitude Stnd:	-90.0303684714599	Loc Aquifer Code:	124MMPS
Loc Tribl Land Ind:		Loc Aquifer Conte:	
Loc Tribal Land:		Loc Aquifer Desc:	
Location Welltype:		Alt Loc Identif A:	
Alt Loc Identifier:		Alt Loc Identif B:	
Alt Loc Identif 1:		Alt Loc Identif C:	
Alt Loc Identifi 2:			
Site Type:	Well		
Formation Type:			
Reporting Agency:	U.S. Geological Survey		
Station Name:	Sh:O-129 DUP		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
11	SSE	0.30	1,592.93	260.63	FED USGS

Loc Identifier:	USGS-350840090013001	Well Depth:	49.0
Date Drilled:		Well Depth Unit:	ft
Latitude:	35.1445342693776	Well Hole Depth:	
Longitude:	-90.0250906162298	Well Hole Dpth Unt:	
Loc Horz Coord Std:	NAD83	Loc Country Name:	United States of America
Loc Latitude Stnd:	35.1445342693776	Loc HUC Code:	080101000703
Loc Longitude Stnd:	-90.0250906162298	Loc Aquifer Code:	
Loc Tribl Land Ind:		Loc Aquifer Conte:	
Loc Tribal Land:		Loc Aquifer Desc:	
Location Welltype:		Alt Loc Identif A:	
Alt Loc Identifier:		Alt Loc Identif B:	
Alt Loc Identif 1:		Alt Loc Identif C:	
Alt Loc Identifi 2:			
Site Type:	Well		
Formation Type:			
Reporting Agency:	U.S. Geological Survey		
Station Name:	SH:O-200		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
13	NW	0.33	1,726.45	249.04	FED USGS

Loc Identifier:	USGS-350910090015001	Well Depth:	575.0
Date Drilled:		Well Depth Unit:	ft
Latitude:	35.1528674741474	Well Hole Depth:	
Longitude:	-90.0306462525104	Well Hole Dpth Unt:	
Loc Horz Coord Std:	NAD83	Loc Country Name:	United States of America
Loc Latitude Stnd:	35.1528674741474	Loc HUC Code:	080101000703
Loc Longitude Stnd:	-90.0306462525104	Loc Aquifer Code:	124MMPS
Loc Tribl Land Ind:		Loc Aquifer Conte:	
Loc Tribal Land:		Loc Aquifer Desc:	
Location Welltype:		Alt Loc Identif A:	
Alt Loc Identifier:		Alt Loc Identif B:	
Alt Loc Identif 1:		Alt Loc Identif C:	
Alt Loc Identifi 2:			
Site Type:	Well		
Formation Type:			
Reporting Agency:	U.S. Geological Survey		
Station Name:	SH:O-197		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
17	NNE	0.34	1,772.19	258.95	FED USGS

Loc Identifier:	USGS-350915090012801	Well Depth:	716.0
Date Drilled:		Well Depth Unit:	ft
Latitude:	35.1542562977173	Well Hole Depth:	

Longitude:	-90.0245349859326	Well Hole Dpth Unt:	
Loc Horz Coord Std:	NAD83	Loc Country Name:	United States of America
Loc Latitude Stnd:	35.1542562977173	Loc HUC Code:	080102100308
Loc Longitude Stnd:	-90.0245349859326	Loc Aquifer Code:	124CLBR
Loc Tribl Land Ind:		Loc Aquifer Conte:	
Loc Tribal Land:		Loc Aquifer Desc:	
Location Welltype:		Alt Loc Identif A:	
Alt Loc Identifier:		Alt Loc Identif B:	
Alt Loc Identif 1:		Alt Loc Identif C:	
Alt Loc Identifi 2:			
Site Type:	Well		
Formation Type:			
Reporting Agency:	U.S. Geological Survey		
Station Name:	SH:O-211		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
17	NNE	0.34	1,772.19	258.95	FED USGS

Loc Identifier:	USGS-350915090012800	Well Depth:	716.0
Date Drilled:		Well Depth Unit:	ft
Latitude:	35.1542562977173	Well Hole Depth:	
Longitude:	-90.0245349859326	Well Hole Dpth Unt:	
Loc Horz Coord Std:	NAD83	Loc Country Name:	United States of America
Loc Latitude Stnd:	35.1542562977173	Loc HUC Code:	080102100308
Loc Longitude Stnd:	-90.0245349859326	Loc Aquifer Code:	124CLBR
Loc Tribl Land Ind:		Loc Aquifer Conte:	
Loc Tribal Land:		Loc Aquifer Desc:	
Location Welltype:		Alt Loc Identif A:	
Alt Loc Identifier:		Alt Loc Identif B:	
Alt Loc Identif 1:		Alt Loc Identif C:	
Alt Loc Identifi 2:			
Site Type:	Well		
Formation Type:			
Reporting Agency:	U.S. Geological Survey		
Station Name:	SH:O-211 DUP		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
17	NNE	0.34	1,772.19	258.95	FED USGS

Loc Identifier:	USGS-350915090012804	Well Depth:	
Date Drilled:		Well Depth Unit:	ft
Latitude:	35.1542562977173	Well Hole Depth:	
Longitude:	-90.0245349859326	Well Hole Dpth Unt:	
Loc Horz Coord Std:	NAD83	Loc Country Name:	United States of America
Loc Latitude Stnd:	35.1542562977173	Loc HUC Code:	080102100308
Loc Longitude Stnd:	-90.0245349859326	Loc Aquifer Code:	

Loc Tribl Land Ind:		Loc Aquifer Conte:	
Loc Tribal Land:		Loc Aquifer Desc:	
Location Welltype:		Alt Loc Identif A:	
Alt Loc Identifier:		Alt Loc Identif B:	
Alt Loc Identif 1:		Alt Loc Identif C:	
Alt Loc Identifi 2:			
Site Type:	Well		
Formation Type:			
Reporting Agency:	U.S. Geological Survey		
Station Name:	SH:O-225		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
19	NW	0.34	1,787.92	251.32	FED USGS

Loc Identifier:	USGS-350910090015102	Well Depth:	1381.0
Date Drilled:		Well Depth Unit:	ft
Latitude:	35.1528674758807	Well Hole Depth:	
Longitude:	-90.030924036955	Well Hole Dpth Unt:	
Loc Horz Coord Std:	NAD83	Loc Country Name:	United States of America
Loc Latitude Stnd:	35.1528674758807	Loc HUC Code:	
Loc Longitude Stnd:	-90.030924036955	Loc Aquifer Code:	124FRPL
Loc Tribl Land Ind:		Loc Aquifer Conte:	
Loc Tribal Land:		Loc Aquifer Desc:	
Location Welltype:		Alt Loc Identif A:	
Alt Loc Identifier:		Alt Loc Identif B:	
Alt Loc Identif 1:		Alt Loc Identif C:	
Alt Loc Identifi 2:			
Site Type:	Well		
Formation Type:			
Reporting Agency:	U.S. Geological Survey		
Station Name:	Sh:O-170		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
19	NW	0.34	1,787.92	251.32	FED USGS

Loc Identifier:	USGS-350910090015101	Well Depth:	
Date Drilled:		Well Depth Unit:	ft
Latitude:	35.1528674758807	Well Hole Depth:	
Longitude:	-90.030924036955	Well Hole Dpth Unt:	
Loc Horz Coord Std:	NAD83	Loc Country Name:	United States of America
Loc Latitude Stnd:	35.1528674758807	Loc HUC Code:	
Loc Longitude Stnd:	-90.030924036955	Loc Aquifer Code:	211MCNR
Loc Tribl Land Ind:		Loc Aquifer Conte:	
Loc Tribal Land:		Loc Aquifer Desc:	
Location Welltype:		Alt Loc Identif A:	
Alt Loc Identifier:		Alt Loc Identif B:	

Alt Loc Identif 1:		Alt Loc Identif C:	
Alt Loc Identifi 2:			
Site Type:	Well		
Formation Type:			
Reporting Agency:	U.S. Geological Survey		
Station Name:	SH:O-170 DUP		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
21	N	0.34	1,804.64	260.83	FED USGS

Loc Identifier:	USGS-350916090013201	Well Depth:	1357.0
Date Drilled:		Well Depth Unit:	ft
Latitude:	35.1545340769464	Well Hole Depth:	
Longitude:	-90.0256461220227	Well Hole Dpth Unt:	
Loc Horz Coord Std:	NAD83	Loc Country Name:	United States of America
Loc Latitude Stnd:	35.1545340769464	Loc HUC Code:	080102100308
Loc Longitude Stnd:	-90.0256461220227	Loc Aquifer Code:	124FRPL
Loc Tribl Land Ind:		Loc Aquifer Conte:	
Loc Tribal Land:		Loc Aquifer Desc:	
Location Welltype:		Alt Loc Identif A:	
Alt Loc Identifier:		Alt Loc Identif B:	
Alt Loc Identif 1:		Alt Loc Identif C:	
Alt Loc Identifi 2:			
Site Type:	Well		
Formation Type:			
Reporting Agency:	U.S. Geological Survey		
Station Name:	SH:O-185		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
22	NW	0.34	1,815.94	246.59	FED USGS

Loc Identifier:	USGS-350912090014901	Well Depth:	477.0
Date Drilled:		Well Depth Unit:	ft
Latitude:	35.153423017017	Well Hole Depth:	
Longitude:	-90.030368464672	Well Hole Dpth Unt:	
Loc Horz Coord Std:	NAD83	Loc Country Name:	United States of America
Loc Latitude Stnd:	35.153423017017	Loc HUC Code:	
Loc Longitude Stnd:	-90.030368464672	Loc Aquifer Code:	124MMPS
Loc Tribl Land Ind:		Loc Aquifer Conte:	
Loc Tribal Land:		Loc Aquifer Desc:	
Location Welltype:		Alt Loc Identif A:	
Alt Loc Identifier:		Alt Loc Identif B:	
Alt Loc Identif 1:		Alt Loc Identif C:	
Alt Loc Identifi 2:			
Site Type:	Well		
Formation Type:			

Wells and Additional Sources Detail Report

Reporting Agency: U.S. Geological Survey
Station Name: SH:O-129

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
24	NNW	0.35	1,850.97	254.96	FED USGS

Loc Identifier:	USGS-350915090014401	Well Depth:	536.0
Date Drilled:		Well Depth Unit:	ft
Latitude:	35.1542563253013	Well Hole Depth:	
Longitude:	-90.0289795372838	Well Hole Dpth Unt:	
Loc Horz Coord Std:	NAD83	Loc Country Name:	United States of America
Loc Latitude Stnd:	35.1542563253013	Loc HUC Code:	080101000703
Loc Longitude Stnd:	-90.0289795372838	Loc Aquifer Code:	
Loc Tribl Land Ind:		Loc Aquifer Conte:	
Loc Tribal Land:		Loc Aquifer Desc:	
Location Welltype:		Alt Loc Identif A:	
Alt Loc Identifier:		Alt Loc Identif B:	
Alt Loc Identif 1:		Alt Loc Identif C:	
Alt Loc Identifi 2:			
Site Type:	Well		
Formation Type:			
Reporting Agency:	U.S. Geological Survey		
Station Name:	SH:O-193		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
25	NW	0.36	1,881.43	246.45	FED USGS

Loc Identifier:	USGS-350911090015210	Well Depth:	
Date Drilled:		Well Depth Unit:	ft
Latitude:	35.153055555555554	Well Hole Depth:	
Longitude:	-90.03113888888889	Well Hole Dpth Unt:	
Loc Horz Coord Std:	NAD83	Loc Country Name:	United States of America
Loc Latitude Stnd:	35.153055555555554	Loc HUC Code:	
Loc Longitude Stnd:	-90.03113888888889	Loc Aquifer Code:	
Loc Tribl Land Ind:		Loc Aquifer Conte:	
Loc Tribal Land:		Loc Aquifer Desc:	
Location Welltype:		Alt Loc Identif A:	
Alt Loc Identifier:		Alt Loc Identif B:	
Alt Loc Identif 1:		Alt Loc Identif C:	
Alt Loc Identifi 2:			
Site Type:	Well		
Formation Type:			
Reporting Agency:	U.S. Geological Survey		
Station Name:	Sh:O-264		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
28	NNW	0.36	1,912.70	253.74	FED USGS

Loc Identifier:	USGS-350916090014302	Well Depth:	508.0
Date Drilled:		Well Depth Unit:	ft
Latitude:	35.1545340958899	Well Hole Depth:	
Longitude:	-90.0287017511095	Well Hole Dpth Unt:	
Loc Horz Coord Std:	NAD83	Loc Country Name:	United States of America
Loc Latitude Stnd:	35.1545340958899	Loc HUC Code:	
Loc Longitude Stnd:	-90.0287017511095	Loc Aquifer Code:	124MMPS
Loc Tribl Land Ind:		Loc Aquifer Conte:	
Loc Tribal Land:		Loc Aquifer Desc:	
Location Welltype:		Alt Loc Identif A:	
Alt Loc Identifier:		Alt Loc Identif B:	
Alt Loc Identif 1:		Alt Loc Identif C:	
Alt Loc Identifi 2:			
Site Type:	Well		
Formation Type:			
Reporting Agency:	U.S. Geological Survey		
Station Name:	SH:O-128		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
28	NNW	0.36	1,912.70	253.74	FED USGS

Loc Identifier:	USGS-350916090014301	Well Depth:	476.0
Date Drilled:		Well Depth Unit:	ft
Latitude:	35.1545340958899	Well Hole Depth:	
Longitude:	-90.0287017511095	Well Hole Dpth Unt:	
Loc Horz Coord Std:	NAD83	Loc Country Name:	United States of America
Loc Latitude Stnd:	35.1545340958899	Loc HUC Code:	
Loc Longitude Stnd:	-90.0287017511095	Loc Aquifer Code:	124MMPS
Loc Tribl Land Ind:		Loc Aquifer Conte:	
Loc Tribal Land:		Loc Aquifer Desc:	
Location Welltype:		Alt Loc Identif A:	
Alt Loc Identifier:		Alt Loc Identif B:	
Alt Loc Identif 1:		Alt Loc Identif C:	
Alt Loc Identifi 2:			
Site Type:	Well		
Formation Type:			
Reporting Agency:	U.S. Geological Survey		
Station Name:	SH:O-125		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
29	NNW	0.37	1,933.76	255.37	FED USGS

Loc Identifier:	USGS-350916090014501	Well Depth:	

Date Drilled:		Well Depth Unit:	ft
Latitude:	35.154444444444444	Well Hole Depth:	
Longitude:	-90.02914444444444	Well Hole Dpth Unt:	
Loc Horz Coord Std:	NAD83	Loc Country Name:	United States of America
Loc Latitude Stnd:	35.154444444444444	Loc HUC Code:	080101000703
Loc Longitude Stnd:	-90.02914444444444	Loc Aquifer Code:	124MMPS
Loc Tribl Land Ind:		Loc Aquifer Conte:	
Loc Tribal Land:		Loc Aquifer Desc:	
Location Welltype:		Alt Loc Identif A:	
Alt Loc Identifier:		Alt Loc Identif B:	
Alt Loc Identif 1:		Alt Loc Identif C:	
Alt Loc Identifi 2:			
Site Type:	Well		
Formation Type:			
Reporting Agency:	U.S. Geological Survey		
Station Name:	Sh:O-252		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
31	NNW	0.37	1,943.65	255.36	FED USGS

Loc Identifier:	USGS-350916090014401	Well Depth:	1391.0
Date Drilled:		Well Depth Unit:	ft
Latitude:	35.154534097612	Well Hole Depth:	
Longitude:	-90.0289795355719	Well Hole Dpth Unt:	
Loc Horz Coord Std:	NAD83	Loc Country Name:	United States of America
Loc Latitude Stnd:	35.154534097612	Loc HUC Code:	
Loc Longitude Stnd:	-90.0289795355719	Loc Aquifer Code:	124FRPL
Loc Tribl Land Ind:		Loc Aquifer Conte:	
Loc Tribal Land:		Loc Aquifer Desc:	
Location Welltype:		Alt Loc Identif A:	
Alt Loc Identifier:		Alt Loc Identif B:	
Alt Loc Identif 1:		Alt Loc Identif C:	
Alt Loc Identifi 2:			
Site Type:	Well		
Formation Type:			
Reporting Agency:	U.S. Geological Survey		
Station Name:	SH:O-173		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
33	NNW	0.38	1,981.17	255.45	FED USGS

Loc Identifier:	USGS-350917090014201	Well Depth:	
Date Drilled:		Well Depth Unit:	ft
Latitude:	35.1548118664822	Well Hole Depth:	
Longitude:	-90.0284239649292	Well Hole Dpth Unt:	
Loc Horz Coord Std:	NAD83	Loc Country Name:	United States of America

Loc Latitude Stnd:	35.1548118664822	Loc HUC Code:	080101000703
Loc Longitude Stnd:	-90.0284239649292	Loc Aquifer Code:	
Loc Tribl Land Ind:		Loc Aquifer Conte:	
Loc Tribal Land:		Loc Aquifer Desc:	
Location Welltype:		Alt Loc Identif A:	
Alt Loc Identifier:		Alt Loc Identif B:	
Alt Loc Identif 1:		Alt Loc Identif C:	
Alt Loc Identifi 2:			
Site Type:	Well		
Formation Type:			
Reporting Agency:	U.S. Geological Survey		
Station Name:	SH:O-201		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
35	NNW	0.40	2,096.01	256.78	FED USGS

Loc Identifier:	USGS-350916090014801	Well Depth:	1398.0
Date Drilled:		Well Depth Unit:	ft
Latitude:	35.1545341045005	Well Hole Depth:	
Longitude:	-90.0300906734216	Well Hole Dpth Unt:	
Loc Horz Coord Std:	NAD83	Loc Country Name:	United States of America
Loc Latitude Stnd:	35.1545341045005	Loc HUC Code:	
Loc Longitude Stnd:	-90.0300906734216	Loc Aquifer Code:	124FRPL
Loc Tribl Land Ind:		Loc Aquifer Conte:	
Loc Tribal Land:		Loc Aquifer Desc:	
Location Welltype:		Alt Loc Identif A:	
Alt Loc Identifier:		Alt Loc Identif B:	
Alt Loc Identif 1:		Alt Loc Identif C:	
Alt Loc Identifi 2:			
Site Type:	Well		
Formation Type:			
Reporting Agency:	U.S. Geological Survey		
Station Name:	SH:O-174		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
40	NNW	0.41	2,140.48	256.40	FED USGS

Loc Identifier:	USGS-350916090014901	Well Depth:	93.0
Date Drilled:		Well Depth Unit:	ft
Latitude:	35.1545341062227	Well Hole Depth:	
Longitude:	-90.0303684578841	Well Hole Dpth Unt:	
Loc Horz Coord Std:	NAD83	Loc Country Name:	United States of America
Loc Latitude Stnd:	35.1545341062227	Loc HUC Code:	080101000703
Loc Longitude Stnd:	-90.0303684578841	Loc Aquifer Code:	112TRRC
Loc Tribl Land Ind:		Loc Aquifer Conte:	
Loc Tribal Land:		Loc Aquifer Desc:	

Location Welltype:		Alt Loc Identif A:	
Alt Loc Identifier:		Alt Loc Identif B:	
Alt Loc Identif 1:		Alt Loc Identif C:	
Alt Loc Identifi 2:			
Site Type:	Well		
Formation Type:			
Reporting Agency:	U.S. Geological Survey		
Station Name:	SH:O-244		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
46	NNE	0.42	2,212.38	251.07	FED USGS

Loc Identifier:	USGS-350917090012000	Well Depth:	523.0
Date Drilled:		Well Depth Unit:	ft
Latitude:	35.1549423836893	Well Hole Depth:	
Longitude:	-90.0226432693672	Well Hole Dpth Unt:	
Loc Horz Coord Std:	NAD83	Loc Country Name:	United States of America
Loc Latitude Stnd:	35.1549423836893	Loc HUC Code:	080102100308
Loc Longitude Stnd:	-90.0226432693672	Loc Aquifer Code:	124MMPS
Loc Tribl Land Ind:		Loc Aquifer Conte:	
Loc Tribal Land:		Loc Aquifer Desc:	
Location Welltype:		Alt Loc Identif A:	
Alt Loc Identifier:		Alt Loc Identif B:	
Alt Loc Identif 1:		Alt Loc Identif C:	
Alt Loc Identifi 2:			
Site Type:	Well		
Formation Type:			
Reporting Agency:	U.S. Geological Survey		
Station Name:	Sh:O-231		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
49	NW	0.42	2,236.03	251.62	FED USGS

Loc Identifier:	USGS-350916090015100	Well Depth:	
Date Drilled:		Well Depth Unit:	ft
Latitude:	35.1545341096669	Well Hole Depth:	
Longitude:	-90.0309240268089	Well Hole Dpth Unt:	
Loc Horz Coord Std:	NAD83	Loc Country Name:	United States of America
Loc Latitude Stnd:	35.1545341096669	Loc HUC Code:	
Loc Longitude Stnd:	-90.0309240268089	Loc Aquifer Code:	124CLBR
Loc Tribl Land Ind:		Loc Aquifer Conte:	
Loc Tribal Land:		Loc Aquifer Desc:	
Location Welltype:		Alt Loc Identif A:	
Alt Loc Identifier:		Alt Loc Identif B:	
Alt Loc Identif 1:		Alt Loc Identif C:	
Alt Loc Identifi 2:			

Wells and Additional Sources Detail Report

Site Type: Well
Formation Type:
Reporting Agency: U.S. Geological Survey
Station Name: SH:O-220

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
49	NW	0.42	2,236.03	251.62	FED USGS

Loc Identifier: USGS-350916090015101
Date Drilled:
Latitude: 35.1545341096669
Longitude: -90.0309240268089
Loc Horz Coord Std: NAD83
Loc Latitude Stnd: 35.1545341096669
Loc Longitude Stnd: -90.0309240268089
Loc Tribl Land Ind:
Loc Tribal Land:
Location Welltype:
Alt Loc Identifier:
Alt Loc Identif 1:
Alt Loc Identifi 2:
Site Type: Well
Formation Type:
Reporting Agency: U.S. Geological Survey
Station Name: SH:O-220 DUP

Well Depth:
Well Depth Unit: ft
Well Hole Depth:
Well Hole Dpth Unt:
Loc Country Name: United States of America
Loc HUC Code: 080101000703
Loc Aquifer Code:
Loc Aquifer Conte:
Loc Aquifer Desc:
Alt Loc Identif A:
Alt Loc Identif B:
Alt Loc Identif C:

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
57	NE	0.47	2,468.13	256.26	FED USGS

Loc Identifier: USGS-350912090010901
Date Drilled:
Latitude: 35.1534229478337
Longitude: -90.019257086652
Loc Horz Coord Std: NAD83
Loc Latitude Stnd: 35.1534229478337
Loc Longitude Stnd: -90.019257086652
Loc Tribl Land Ind:
Loc Tribal Land:
Location Welltype:
Alt Loc Identifier:
Alt Loc Identif 1:
Alt Loc Identifi 2:
Site Type: Well
Formation Type:
Reporting Agency: U.S. Geological Survey
Station Name: SH:O-143

Well Depth: 383.0
Well Depth Unit: ft
Well Hole Depth:
Well Hole Dpth Unt:
Loc Country Name: United States of America
Loc HUC Code: 080102100308
Loc Aquifer Code:
Loc Aquifer Conte:
Loc Aquifer Desc:
Alt Loc Identif A:
Alt Loc Identif B:
Alt Loc Identif C:

Wells and Additional Sources Detail Report

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
62	SSW	0.48	2,536.60	255.99	FED USGS

Loc Identifier:	USGS-350833090014901	Well Depth:	397.0
Date Drilled:		Well Depth Unit:	ft
Latitude:	35.1425898972615	Well Hole Depth:	
Longitude:	-90.0303685308539	Well Hole Dpth Unt:	
Loc Horz Coord Std:	NAD83	Loc Country Name:	United States of America
Loc Latitude Stnd:	35.1425898972615	Loc HUC Code:	080101000703
Loc Longitude Stnd:	-90.0303685308539	Loc Aquifer Code:	
Loc Tribl Land Ind:		Loc Aquifer Conte:	
Loc Tribal Land:		Loc Aquifer Desc:	
Location Welltype:		Alt Loc Identif A:	
Alt Loc Identifier:		Alt Loc Identif B:	
Alt Loc Identif 1:		Alt Loc Identif C:	
Alt Loc Identifi 2:			
Site Type:	Well		
Formation Type:			
Reporting Agency:	U.S. Geological Survey		
Station Name:	SH:O-082		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
64	NE	0.49	2,594.55	255.58	FED USGS

Loc Identifier:	USGS-350913090100801	Well Depth:	758.5
Date Drilled:		Well Depth Unit:	ft
Latitude:	35.1537007184819	Well Hole Depth:	
Longitude:	-90.0189793003822	Well Hole Dpth Unt:	
Loc Horz Coord Std:	NAD83	Loc Country Name:	United States of America
Loc Latitude Stnd:	35.1537007184819	Loc HUC Code:	
Loc Longitude Stnd:	-90.0189793003822	Loc Aquifer Code:	124MMPS
Loc Tribl Land Ind:		Loc Aquifer Conte:	
Loc Tribal Land:		Loc Aquifer Desc:	
Location Welltype:		Alt Loc Identif A:	
Alt Loc Identifier:		Alt Loc Identif B:	
Alt Loc Identif 1:		Alt Loc Identif C:	
Alt Loc Identifi 2:			
Site Type:	Well		
Formation Type:			
Reporting Agency:	U.S. Geological Survey		
Station Name:	Sh:O-207		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
67	S	0.51	2,702.45	251.70	FED USGS

Loc Identifier:	USGS-350829090013901	Well Depth:	65.0
Date Drilled:		Well Depth Unit:	ft
Latitude:	35.1414787899595	Well Hole Depth:	
Longitude:	-90.0275906944199	Well Hole Dpth Unt:	
Loc Horz Coord Std:	NAD83	Loc Country Name:	United States of America
Loc Latitude Stnd:	35.1414787899595	Loc HUC Code:	080101000703
Loc Longitude Stnd:	-90.0275906944199	Loc Aquifer Code:	112TRRC
Loc Tribl Land Ind:		Loc Aquifer Conte:	
Loc Tribal Land:		Loc Aquifer Desc:	
Location Welltype:		Alt Loc Identif A:	
Alt Loc Identifier:		Alt Loc Identif B:	
Alt Loc Identif 1:		Alt Loc Identif C:	
Alt Loc Identifi 2:			
Site Type:	Well		
Formation Type:			
Reporting Agency:	U.S. Geological Survey		
Station Name:	SH:O-217		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
69	NW	0.52	2,745.67	255.87	FED USGS

Loc Identifier:	USGS-350921090015300	Well Depth:	472
Date Drilled:		Well Depth Unit:	ft
Latitude:	35.155923	Well Hole Depth:	482
Longitude:	-90.0314796	Well Hole Dpth Unt:	ft
Loc Horz Coord Std:		Loc Country Name:	
Loc Latitude Stnd:		Loc HUC Code:	
Loc Longitude Stnd:		Loc Aquifer Code:	
Loc Tribl Land Ind:		Loc Aquifer Conte:	
Loc Tribal Land:		Loc Aquifer Desc:	
Location Welltype:		Alt Loc Identif A:	
Alt Loc Identifier:		Alt Loc Identif B:	
Alt Loc Identif 1:		Alt Loc Identif C:	
Alt Loc Identifi 2:			
Site Type:	Well		
Formation Type:	Claiborne Group		
Reporting Agency:	USGS Tennessee Water Science Center		
Station Name:	Sh:O-179		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
69	NW	0.52	2,745.67	255.87	FED USGS

Loc Identifier:	USGS-350921090015302	Well Depth:	1349.0
Date Drilled:		Well Depth Unit:	ft
Latitude:	35.1559229745811	Well Hole Depth:	

Longitude:	-90.0314795873086	Well Hole Dpth Unt:	
Loc Horz Coord Std:	NAD83	Loc Country Name:	United States of America
Loc Latitude Stnd:	35.1559229745811	Loc HUC Code:	080101000703
Loc Longitude Stnd:	-90.0314795873086	Loc Aquifer Code:	
Loc Tribl Land Ind:		Loc Aquifer Conte:	
Loc Tribal Land:		Loc Aquifer Desc:	
Location Welltype:		Alt Loc Identif A:	
Alt Loc Identifier:		Alt Loc Identif B:	
Alt Loc Identif 1:		Alt Loc Identif C:	
Alt Loc Identifi 2:			
Site Type:	Well		
Formation Type:			
Reporting Agency:	U.S. Geological Survey		
Station Name:	SH:O-132		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
69	NW	0.52	2,745.67	255.87	FED USGS

Loc Identifier:	USGS-350921090015301	Well Depth:	
Date Drilled:		Well Depth Unit:	ft
Latitude:	35.1559229745811	Well Hole Depth:	
Longitude:	-90.0314795873086	Well Hole Dpth Unt:	
Loc Horz Coord Std:	NAD83	Loc Country Name:	United States of America
Loc Latitude Stnd:	35.1559229745811	Loc HUC Code:	
Loc Longitude Stnd:	-90.0314795873086	Loc Aquifer Code:	124FRPL
Loc Tribl Land Ind:		Loc Aquifer Conte:	
Loc Tribal Land:		Loc Aquifer Desc:	
Location Welltype:		Alt Loc Identif A:	
Alt Loc Identifier:		Alt Loc Identif B:	
Alt Loc Identif 1:		Alt Loc Identif C:	
Alt Loc Identifi 2:			
Site Type:	Well		
Formation Type:			
Reporting Agency:	U.S. Geological Survey		
Station Name:	SH:O-179 Observation		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
70	NE	0.53	2,788.50	251.33	FED USGS

Loc Identifier:	USGS-350914090010601	Well Depth:	742.0
Date Drilled:		Well Depth Unit:	ft
Latitude:	35.1539784874079	Well Hole Depth:	
Longitude:	-90.0184237296499	Well Hole Dpth Unt:	
Loc Horz Coord Std:	NAD83	Loc Country Name:	United States of America
Loc Latitude Stnd:	35.1539784874079	Loc HUC Code:	080102100308
Loc Longitude Stnd:	-90.0184237296499	Loc Aquifer Code:	124MMPS

Loc Tribl Land Ind:		Loc Aquifer Conte:	
Loc Tribal Land:		Loc Aquifer Desc:	
Location Welltype:		Alt Loc Identif A:	
Alt Loc Identifier:		Alt Loc Identif B:	
Alt Loc Identif 1:		Alt Loc Identif C:	
Alt Loc Identifi 2:			
Site Type:	Well		
Formation Type:			
Reporting Agency:	U.S. Geological Survey		
Station Name:	Sh:O-212		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
73	NE	0.54	2,856.45	249.60	FED USGS

Loc Identifier:	USGS-350914090010503	Well Depth:	1373.0
Date Drilled:		Well Depth Unit:	ft
Latitude:	35.1539784856821	Well Hole Depth:	
Longitude:	-90.0181459451935	Well Hole Dpth Unt:	
Loc Horz Coord Std:	NAD83	Loc Country Name:	United States of America
Loc Latitude Stnd:	35.1539784856821	Loc HUC Code:	080102100308
Loc Longitude Stnd:	-90.0181459451935	Loc Aquifer Code:	124WLCXG
Loc Tribl Land Ind:		Loc Aquifer Conte:	
Loc Tribal Land:		Loc Aquifer Desc:	
Location Welltype:		Alt Loc Identif A:	
Alt Loc Identifier:		Alt Loc Identif B:	
Alt Loc Identif 1:		Alt Loc Identif C:	
Alt Loc Identifi 2:			
Site Type:	Well		
Formation Type:			
Reporting Agency:	U.S. Geological Survey		
Station Name:	SH:O-181 DUP		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
74	NE	0.54	2,870.25	249.43	FED USGS

Loc Identifier:	USGS-350913090010401	Well Depth:	517.0
Date Drilled:		Well Depth Unit:	ft
Latitude:	35.153700711571	Well Hole Depth:	
Longitude:	-90.0178681625682	Well Hole Dpth Unt:	
Loc Horz Coord Std:	NAD83	Loc Country Name:	United States of America
Loc Latitude Stnd:	35.153700711571	Loc HUC Code:	
Loc Longitude Stnd:	-90.0178681625682	Loc Aquifer Code:	124MMPS
Loc Tribl Land Ind:		Loc Aquifer Conte:	
Loc Tribal Land:		Loc Aquifer Desc:	
Location Welltype:		Alt Loc Identif A:	
Alt Loc Identifier:		Alt Loc Identif B:	

Alt Loc Identif 1:		Alt Loc Identif C:	
Alt Loc Identifi 2:			
Site Type:	Well		
Formation Type:			
Reporting Agency:	U.S. Geological Survey		
Station Name:	Sh:O-238		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
75	NW	0.54	2,875.87	251.39	FED USGS

Loc Identifier:	USGS-350922090015401	Well Depth:	
Date Drilled:		Well Depth Unit:	ft
Latitude:	35.156200748586	Well Hole Depth:	
Longitude:	-90.0317573701039	Well Hole Dpth Unt:	
Loc Horz Coord Std:	NAD83	Loc Country Name:	United States of America
Loc Latitude Stnd:	35.156200748586	Loc HUC Code:	080101000703
Loc Longitude Stnd:	-90.0317573701039	Loc Aquifer Code:	
Loc Tribl Land Ind:		Loc Aquifer Conte:	
Loc Tribal Land:		Loc Aquifer Desc:	
Location Welltype:		Alt Loc Identif A:	
Alt Loc Identifier:		Alt Loc Identif B:	
Alt Loc Identif 1:		Alt Loc Identif C:	
Alt Loc Identifi 2:			
Site Type:	Well		
Formation Type:			
Reporting Agency:	U.S. Geological Survey		
Station Name:	SH:O-204		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
77	NE	0.56	2,941.01	250.92	FED USGS

Loc Identifier:	USGS-350913090010302	Well Depth:	120.0
Date Drilled:		Well Depth Unit:	ft
Latitude:	35.1537007098433	Well Hole Depth:	
Longitude:	-90.0175903781148	Well Hole Dpth Unt:	
Loc Horz Coord Std:	NAD83	Loc Country Name:	United States of America
Loc Latitude Stnd:	35.1537007098433	Loc HUC Code:	080102100308
Loc Longitude Stnd:	-90.0175903781148	Loc Aquifer Code:	112TRRC
Loc Tribl Land Ind:		Loc Aquifer Conte:	
Loc Tribal Land:		Loc Aquifer Desc:	
Location Welltype:		Alt Loc Identif A:	
Alt Loc Identifier:		Alt Loc Identif B:	
Alt Loc Identif 1:		Alt Loc Identif C:	
Alt Loc Identifi 2:			
Site Type:	Well		
Formation Type:			

Reporting Agency: U.S. Geological Survey
Station Name: Sh:O-229

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
78	ENE	0.56	2,962.37	249.47	FED USGS

Loc Identifier:	USGS-350914090010501	Well Depth:	1376.4
Date Drilled:		Well Depth Unit:	ft
Latitude:	35.1534229357267	Well Hole Depth:	
Longitude:	-90.0173125954985	Well Hole Dpth Unt:	
Loc Horz Coord Std:	NAD83	Loc Country Name:	United States of America
Loc Latitude Stnd:	35.1534229357267	Loc HUC Code:	080102100308
Loc Longitude Stnd:	-90.0173125954985	Loc Aquifer Code:	124FRPL
Loc Tribl Land Ind:		Loc Aquifer Conte:	
Loc Tribal Land:		Loc Aquifer Desc:	
Location Welltype:		Alt Loc Identif A:	
Alt Loc Identifier:		Alt Loc Identif B:	
Alt Loc Identif 1:		Alt Loc Identif C:	
Alt Loc Identifi 2:			
Site Type:	Well		
Formation Type:			
Reporting Agency:	U.S. Geological Survey		
Station Name:	SH:O-181		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
79	NE	0.57	2,994.63	247.75	FED USGS

Loc Identifier:	USGS-350914090010301	Well Depth:	1100
Date Drilled:	19771020	Well Depth Unit:	ft
Latitude:	35.15397848000000	Well Hole Depth:	1100
Longitude:	-90.0175904000000	Well Hole Dpth Unt:	ft
Loc Horz Coord Std:		Loc Country Name:	
Loc Latitude Stnd:		Loc HUC Code:	
Loc Longitude Stnd:		Loc Aquifer Code:	
Loc Tribl Land Ind:		Loc Aquifer Conte:	
Loc Tribal Land:		Loc Aquifer Desc:	
Location Welltype:		Alt Loc Identif A:	
Alt Loc Identifier:		Alt Loc Identif B:	
Alt Loc Identif 1:		Alt Loc Identif C:	
Alt Loc Identifi 2:			
Site Type:	Well: Extensometer well		
Formation Type:			
Reporting Agency:	USGS Tennessee Water Science Center		
Station Name:	Sh:O-228		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
84	ENE	0.63	3,302.68	243.31	FED USGS

Loc Identifier:	USGS-350913090005801	Well Depth:	772.0
Date Drilled:		Well Depth Unit:	ft
Latitude:	35.1537007012047	Well Hole Depth:	
Longitude:	-90.0162014558474	Well Hole Dpth Unt:	
Loc Horz Coord Std:	NAD83	Loc Country Name:	United States of America
Loc Latitude Stnd:	35.1537007012047	Loc HUC Code:	080102100308
Loc Longitude Stnd:	-90.0162014558474	Loc Aquifer Code:	124MMPS
Loc Tribl Land Ind:		Loc Aquifer Conte:	
Loc Tribal Land:		Loc Aquifer Desc:	
Location Welltype:		Alt Loc Identif A:	
Alt Loc Identifier:		Alt Loc Identif B:	
Alt Loc Identif 1:		Alt Loc Identif C:	
Alt Loc Identifi 2:			
Site Type:	Well		
Formation Type:			
Reporting Agency:	U.S. Geological Survey		
Station Name:	SH:O-223		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
84	ENE	0.63	3,302.68	243.31	FED USGS

Loc Identifier:	USGS-350913090005802	Well Depth:	
Date Drilled:		Well Depth Unit:	ft
Latitude:	35.1537007012047	Well Hole Depth:	
Longitude:	-90.0162014558474	Well Hole Dpth Unt:	
Loc Horz Coord Std:	NAD83	Loc Country Name:	United States of America
Loc Latitude Stnd:	35.1537007012047	Loc HUC Code:	080102100308
Loc Longitude Stnd:	-90.0162014558474	Loc Aquifer Code:	
Loc Tribl Land Ind:		Loc Aquifer Conte:	
Loc Tribal Land:		Loc Aquifer Desc:	
Location Welltype:		Alt Loc Identif A:	
Alt Loc Identifier:		Alt Loc Identif B:	
Alt Loc Identif 1:		Alt Loc Identif C:	
Alt Loc Identifi 2:			
Site Type:	Well		
Formation Type:			
Reporting Agency:	U.S. Geological Survey		
Station Name:	SH:O-223 DUP		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
89	SSW	0.69	3,643.70	245.66	FED USGS

Loc Identifier:	USGS-350821090014801	Well Depth:	490.0

Date Drilled:		Well Depth Unit:	ft
Latitude:	35.1392566278199	Well Hole Depth:	
Longitude:	-90.0300907669193	Well Hole Dpth Unt:	
Loc Horz Coord Std:	NAD83	Loc Country Name:	United States of America
Loc Latitude Stnd:	35.1392566278199	Loc HUC Code:	080101000703
Loc Longitude Stnd:	-90.0300907669193	Loc Aquifer Code:	124MMPS
Loc Tribl Land Ind:		Loc Aquifer Conte:	
Loc Tribal Land:		Loc Aquifer Desc:	
Location Welltype:		Alt Loc Identif A:	
Alt Loc Identifier:		Alt Loc Identif B:	
Alt Loc Identif 1:		Alt Loc Identif C:	
Alt Loc Identifi 2:			
Site Type:	Well		
Formation Type:			
Reporting Agency:	U.S. Geological Survey		
Station Name:	SH:O-021		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
89	SSW	0.69	3,643.70	245.66	FED USGS

Loc Identifier:	USGS-350821090014800	Well Depth:	
Date Drilled:		Well Depth Unit:	ft
Latitude:	35.1392566278199	Well Hole Depth:	
Longitude:	-90.0300907669193	Well Hole Dpth Unt:	
Loc Horz Coord Std:	NAD83	Loc Country Name:	United States of America
Loc Latitude Stnd:	35.1392566278199	Loc HUC Code:	080101000703
Loc Longitude Stnd:	-90.0300907669193	Loc Aquifer Code:	124CLBR
Loc Tribl Land Ind:		Loc Aquifer Conte:	
Loc Tribal Land:		Loc Aquifer Desc:	
Location Welltype:		Alt Loc Identif A:	
Alt Loc Identifier:		Alt Loc Identif B:	
Alt Loc Identif 1:		Alt Loc Identif C:	
Alt Loc Identifi 2:			
Site Type:	Well		
Formation Type:			
Reporting Agency:	U.S. Geological Survey		
Station Name:	SH:O-021 DUP		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
91	N	0.70	3,715.24	254.46	FED USGS

Loc Identifier:	USGS-350935090013701	Well Depth:	
Date Drilled:		Well Depth Unit:	ft
Latitude:	35.1598117597085	Well Hole Depth:	
Longitude:	-90.027035011412	Well Hole Dpth Unt:	
Loc Horz Coord Std:	NAD83	Loc Country Name:	United States of America

Loc Latitude Stnd:	35.1598117597085	Loc HUC Code:	080102100308
Loc Longitude Stnd:	-90.027035011412	Loc Aquifer Code:	124MMPS
Loc Tribl Land Ind:		Loc Aquifer Conte:	
Loc Tribal Land:		Loc Aquifer Desc:	
Location Welltype:		Alt Loc Identif A:	
Alt Loc Identifier:		Alt Loc Identif B:	
Alt Loc Identif 1:		Alt Loc Identif C:	
Alt Loc Identifi 2:			
Site Type:	Well		
Formation Type:			
Reporting Agency:	U.S. Geological Survey		
Station Name:	SH:O-182		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
92	ENE	0.71	3,764.51	241.15	FED USGS

Loc Identifier:	USGS-350915090005302	Well Depth:	
Date Drilled:		Well Depth Unit:	ft
Latitude:	35.1542562373774	Well Hole Depth:	
Longitude:	-90.0148125298518	Well Hole Dpth Unt:	
Loc Horz Coord Std:	NAD83	Loc Country Name:	United States of America
Loc Latitude Stnd:	35.1542562373774	Loc HUC Code:	080102100308
Loc Longitude Stnd:	-90.0148125298518	Loc Aquifer Code:	
Loc Tribl Land Ind:		Loc Aquifer Conte:	
Loc Tribal Land:		Loc Aquifer Desc:	
Location Welltype:		Alt Loc Identif A:	
Alt Loc Identifier:		Alt Loc Identif B:	
Alt Loc Identif 1:		Alt Loc Identif C:	
Alt Loc Identifi 2:			
Site Type:	Well		
Formation Type:			
Reporting Agency:	U.S. Geological Survey		
Station Name:	SH:O-203		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
94	N	0.71	3,750.46	254.08	FED USGS

Loc Identifier:	USGS-350936090013901	Well Depth:	
Date Drilled:		Well Depth Unit:	ft
Latitude:	35.1598888888889	Well Hole Depth:	
Longitude:	-90.0274166666667	Well Hole Dpth Unt:	
Loc Horz Coord Std:	NAD83	Loc Country Name:	United States of America
Loc Latitude Stnd:	35.1598888888889	Loc HUC Code:	080102100308
Loc Longitude Stnd:	-90.0274166666667	Loc Aquifer Code:	124MMPS
Loc Tribl Land Ind:		Loc Aquifer Conte:	
Loc Tribal Land:		Loc Aquifer Desc:	

Location Welltype:		Alt Loc Identif A:	
Alt Loc Identifier:		Alt Loc Identif B:	
Alt Loc Identif 1:		Alt Loc Identif C:	
Alt Loc Identifi 2:			
Site Type:	Well		
Formation Type:			
Reporting Agency:	U.S. Geological Survey		
Station Name:	Sh:O-251		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
95	ENE	0.72	3,826.92	246.38	FED USGS

Loc Identifier:	USGS-350911090005001	Well Depth:	1330.0
Date Drilled:		Well Depth Unit:	ft
Latitude:	35.1531451425604	Well Hole Depth:	
Longitude:	-90.0139791839655	Well Hole Dpth Unt:	
Loc Horz Coord Std:	NAD83	Loc Country Name:	United States of America
Loc Latitude Stnd:	35.1531451425604	Loc HUC Code:	080102100308
Loc Longitude Stnd:	-90.0139791839655	Loc Aquifer Code:	
Loc Tribl Land Ind:		Loc Aquifer Conte:	
Loc Tribal Land:		Loc Aquifer Desc:	
Location Welltype:		Alt Loc Identif A:	
Alt Loc Identifier:		Alt Loc Identif B:	
Alt Loc Identif 1:		Alt Loc Identif C:	
Alt Loc Identifi 2:			
Site Type:	Well		
Formation Type:			
Reporting Agency:	U.S. Geological Survey		
Station Name:	SH:O-187		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
96	ENE	0.73	3,838.29	242.42	FED USGS

Loc Identifier:	USGS-350915090005201	Well Depth:	80.0
Date Drilled:		Well Depth Unit:	ft
Latitude:	35.1542562356534	Well Hole Depth:	
Longitude:	-90.0145347453924	Well Hole Dpth Unt:	
Loc Horz Coord Std:	NAD83	Loc Country Name:	United States of America
Loc Latitude Stnd:	35.1542562356534	Loc HUC Code:	080102100308
Loc Longitude Stnd:	-90.0145347453924	Loc Aquifer Code:	112TRRC
Loc Tribl Land Ind:		Loc Aquifer Conte:	
Loc Tribal Land:		Loc Aquifer Desc:	
Location Welltype:		Alt Loc Identif A:	
Alt Loc Identifier:		Alt Loc Identif B:	
Alt Loc Identif 1:		Alt Loc Identif C:	
Alt Loc Identifi 2:			

Wells and Additional Sources Detail Report

Site Type: Well
Formation Type:
Reporting Agency: U.S. Geological Survey
Station Name: SH:O-245

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
99	ENE	0.75	3,982.94	247.46	FED USGS

Loc Identifier: USGS-350911090004803
Date Drilled:
Latitude: 35.1531451390976
Longitude: -90.0134236150705
Loc Horz Coord Std: NAD83
Loc Latitude Stnd: 35.1531451390976
Loc Longitude Stnd: -90.0134236150705
Loc Tribl Land Ind:
Loc Tribal Land:
Location Welltype:
Alt Loc Identifier:
Alt Loc Identif 1:
Alt Loc Identifi 2:
Site Type: Well
Formation Type:
Reporting Agency: U.S. Geological Survey
Station Name: SH:O-222
Well Depth:
Well Depth Unit: ft
Well Hole Depth:
Well Hole Dpth Unt:
Loc Country Name: United States of America
Loc HUC Code: 080102100308
Loc Aquifer Code:
Loc Aquifer Conte:
Loc Aquifer Desc:
Alt Loc Identif A:
Alt Loc Identif B:
Alt Loc Identif C:

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
99	ENE	0.75	3,982.94	247.46	FED USGS

Loc Identifier: USGS-350911090004801
Date Drilled:
Latitude: 35.1531451390976
Longitude: -90.0134236150705
Loc Horz Coord Std: NAD83
Loc Latitude Stnd: 35.1531451390976
Loc Longitude Stnd: -90.0134236150705
Loc Tribl Land Ind:
Loc Tribal Land:
Location Welltype:
Alt Loc Identifier:
Alt Loc Identif 1:
Alt Loc Identifi 2:
Site Type: Well
Formation Type:
Reporting Agency: U.S. Geological Survey
Station Name: SH:O-151
Well Depth: 527.0
Well Depth Unit: ft
Well Hole Depth:
Well Hole Dpth Unt:
Loc Country Name: United States of America
Loc HUC Code: 080102100308
Loc Aquifer Code: 124MMPS
Loc Aquifer Conte:
Loc Aquifer Desc:
Alt Loc Identif A:
Alt Loc Identif B:
Alt Loc Identif C:

Wells and Additional Sources Detail Report

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
101	ENE	0.77	4,043.91	245.65	FED USGS

Loc Identifier:	USGS-350912090004801	Well Depth:	
Date Drilled:		Well Depth Unit:	ft
Latitude:	35.1533055555556	Well Hole Depth:	
Longitude:	-90.0132777777778	Well Hole Dpth Unt:	
Loc Horz Coord Std:	NAD83	Loc Country Name:	United States of America
Loc Latitude Stnd:	35.1533055555556	Loc HUC Code:	
Loc Longitude Stnd:	-90.0132777777778	Loc Aquifer Code:	124MMPS
Loc Tribl Land Ind:		Loc Aquifer Conte:	
Loc Tribal Land:		Loc Aquifer Desc:	
Location Welltype:		Alt Loc Identif A:	
Alt Loc Identifier:		Alt Loc Identif B:	
Alt Loc Identif 1:		Alt Loc Identif C:	
Alt Loc Identifi 2:			
Site Type:	Well		
Formation Type:			
Reporting Agency:	U.S. Geological Survey		
Station Name:	Sh:O-258		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
108	NE	0.80	4,208.07	234.48	FED USGS

Loc Identifier:	USGS-350930090010101	Well Depth:	108.0
Date Drilled:		Well Depth Unit:	ft
Latitude:	35.158422837031	Well Hole Depth:	
Longitude:	-90.0170347779244	Well Hole Dpth Unt:	
Loc Horz Coord Std:	NAD83	Loc Country Name:	United States of America
Loc Latitude Stnd:	35.158422837031	Loc HUC Code:	080102100308
Loc Longitude Stnd:	-90.0170347779244	Loc Aquifer Code:	
Loc Tribl Land Ind:		Loc Aquifer Conte:	
Loc Tribal Land:		Loc Aquifer Desc:	
Location Welltype:		Alt Loc Identif A:	
Alt Loc Identifier:		Alt Loc Identif B:	
Alt Loc Identif 1:		Alt Loc Identif C:	
Alt Loc Identifi 2:			
Site Type:	Well		
Formation Type:			
Reporting Agency:	U.S. Geological Survey		
Station Name:	SH:O-119		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
109	ENE	0.81	4,266.76	249.57	FED USGS

Loc Identifier:	USGS-350910090004401	Well Depth:	
Date Drilled:		Well Depth Unit:	ft
Latitude:	35.1528673597494	Well Hole Depth:	
Longitude:	-90.0123124791714	Well Hole Dpth Unt:	
Loc Horz Coord Std:	NAD83	Loc Country Name:	United States of America
Loc Latitude Stnd:	35.1528673597494	Loc HUC Code:	080102100308
Loc Longitude Stnd:	-90.0123124791714	Loc Aquifer Code:	
Loc Tribl Land Ind:		Loc Aquifer Conte:	
Loc Tribal Land:		Loc Aquifer Desc:	
Location Welltype:		Alt Loc Identif A:	
Alt Loc Identifier:		Alt Loc Identif B:	
Alt Loc Identif 1:		Alt Loc Identif C:	
Alt Loc Identifi 2:			
Site Type:	Well		
Formation Type:			
Reporting Agency:	U.S. Geological Survey		
Station Name:	SH:O-216		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
110	SW	0.80	4,230.82	258.01	FED USGS

Loc Identifier:	USGS-350829090021401	Well Depth:	401.0
Date Drilled:		Well Depth Unit:	ft
Latitude:	35.1412010810415	Well Hole Depth:	
Longitude:	-90.037313147319	Well Hole Dpth Unt:	
Loc Horz Coord Std:	NAD83	Loc Country Name:	United States of America
Loc Latitude Stnd:	35.1412010810415	Loc HUC Code:	080101000703
Loc Longitude Stnd:	-90.037313147319	Loc Aquifer Code:	
Loc Tribl Land Ind:		Loc Aquifer Conte:	
Loc Tribal Land:		Loc Aquifer Desc:	
Location Welltype:		Alt Loc Identif A:	
Alt Loc Identifier:		Alt Loc Identif B:	
Alt Loc Identif 1:		Alt Loc Identif C:	
Alt Loc Identifi 2:			
Site Type:	Well		
Formation Type:			
Reporting Agency:	U.S. Geological Survey		
Station Name:	SH:O-067		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
114	ENE	0.85	4,486.96	228.85	FED USGS

Loc Identifier:	USGS-350912090004200	Well Depth:	
Date Drilled:		Well Depth Unit:	ft
Latitude:	35.153422901135	Well Hole Depth:	

Longitude:	-90.0117569064885	Well Hole Dpth Unt:	
Loc Horz Coord Std:	NAD83	Loc Country Name:	United States of America
Loc Latitude Stnd:	35.153422901135	Loc HUC Code:	080102100308
Loc Longitude Stnd:	-90.0117569064885	Loc Aquifer Code:	124CLBR
Loc Tribl Land Ind:		Loc Aquifer Conte:	
Loc Tribal Land:		Loc Aquifer Desc:	
Location Welltype:		Alt Loc Identif A:	
Alt Loc Identifier:		Alt Loc Identif B:	
Alt Loc Identif 1:		Alt Loc Identif C:	
Alt Loc Identifi 2:			
Site Type:	Well		
Formation Type:			
Reporting Agency:	U.S. Geological Survey		
Station Name:	SH:O-153		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
114	ENE	0.85	4,486.96	228.85	FED USGS

Loc Identifier:	USGS-350912090004201	Well Depth:	522.0
Date Drilled:		Well Depth Unit:	ft
Latitude:	35.153422901135	Well Hole Depth:	
Longitude:	-90.0117569064885	Well Hole Dpth Unt:	
Loc Horz Coord Std:	NAD83	Loc Country Name:	United States of America
Loc Latitude Stnd:	35.153422901135	Loc HUC Code:	080102100308
Loc Longitude Stnd:	-90.0117569064885	Loc Aquifer Code:	124MMPS
Loc Tribl Land Ind:		Loc Aquifer Conte:	
Loc Tribal Land:		Loc Aquifer Desc:	
Location Welltype:		Alt Loc Identif A:	
Alt Loc Identifier:		Alt Loc Identif B:	
Alt Loc Identif 1:		Alt Loc Identif C:	
Alt Loc Identifi 2:			
Site Type:	Well		
Formation Type:			
Reporting Agency:	U.S. Geological Survey		
Station Name:	SH:O-153 DUP		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
115	N	0.85	4,470.57	249.41	FED USGS

Loc Identifier:	USGS-350942090014301	Well Depth:	638.0
Date Drilled:		Well Depth Unit:	ft
Latitude:	35.1617561760172	Well Hole Depth:	
Longitude:	-90.0287017065227	Well Hole Dpth Unt:	
Loc Horz Coord Std:	NAD83	Loc Country Name:	United States of America
Loc Latitude Stnd:	35.1617561760172	Loc HUC Code:	080102100308
Loc Longitude Stnd:	-90.0287017065227	Loc Aquifer Code:	124MMPS

Loc Tribl Land Ind:		Loc Aquifer Conte:	
Loc Tribal Land:		Loc Aquifer Desc:	
Location Welltype:		Alt Loc Identif A:	
Alt Loc Identifier:		Alt Loc Identif B:	
Alt Loc Identif 1:		Alt Loc Identif C:	
Alt Loc Identifi 2:			
Site Type:	Well		
Formation Type:			
Reporting Agency:	U.S. Geological Survey		
Station Name:	SH:O-190		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
124	WNW	0.93	4,930.36	232.81	FED USGS

Loc Identifier:	USGS-350920090022800	Well Depth:	
Date Drilled:		Well Depth Unit:	ft
Latitude:	35.1556452623012	Well Hole Depth:	
Longitude:	-90.0412020455966	Well Hole Dpth Unt:	
Loc Horz Coord Std:	NAD83	Loc Country Name:	United States of America
Loc Latitude Stnd:	35.1556452623012	Loc HUC Code:	080101000703
Loc Longitude Stnd:	-90.0412020455966	Loc Aquifer Code:	124CLBR
Loc Tribl Land Ind:		Loc Aquifer Conte:	
Loc Tribal Land:		Loc Aquifer Desc:	
Location Welltype:		Alt Loc Identif A:	
Alt Loc Identifier:		Alt Loc Identif B:	
Alt Loc Identif 1:		Alt Loc Identif C:	
Alt Loc Identifi 2:			
Site Type:	Well		
Formation Type:			
Reporting Agency:	U.S. Geological Survey		
Station Name:	SH:O- 13		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
124	WNW	0.93	4,930.36	232.81	FED USGS

Loc Identifier:	USGS-350920090022801	Well Depth:	396.0
Date Drilled:		Well Depth Unit:	ft
Latitude:	35.1556452623012	Well Hole Depth:	
Longitude:	-90.0412020455966	Well Hole Dpth Unt:	
Loc Horz Coord Std:	NAD83	Loc Country Name:	United States of America
Loc Latitude Stnd:	35.1556452623012	Loc HUC Code:	080101000703
Loc Longitude Stnd:	-90.0412020455966	Loc Aquifer Code:	124MMPS
Loc Tribl Land Ind:		Loc Aquifer Conte:	
Loc Tribal Land:		Loc Aquifer Desc:	
Location Welltype:		Alt Loc Identif A:	
Alt Loc Identifier:		Alt Loc Identif B:	

Alt Loc Identif 1:		Alt Loc Identif C:	
Alt Loc Identifi 2:			
Site Type:	Well		
Formation Type:			
Reporting Agency:	U.S. Geological Survey		
Station Name:	SH:O-013		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
125	SW	0.93	4,913.53	276.94	FED USGS

Loc Identifier:	USGS-350816090021000	Well Depth:	
Date Drilled:		Well Depth Unit:	ft
Latitude:	35.1378678066475	Well Hole Depth:	
Longitude:	-90.0362020296539	Well Hole Dpth Unt:	
Loc Horz Coord Std:	NAD83	Loc Country Name:	United States of America
Loc Latitude Stnd:	35.1378678066475	Loc HUC Code:	080101000703
Loc Longitude Stnd:	-90.0362020296539	Loc Aquifer Code:	124CLBR
Loc Tribl Land Ind:		Loc Aquifer Conte:	
Loc Tribal Land:		Loc Aquifer Desc:	
Location Welltype:		Alt Loc Identif A:	
Alt Loc Identifier:		Alt Loc Identif B:	
Alt Loc Identif 1:		Alt Loc Identif C:	
Alt Loc Identifi 2:			
Site Type:	Well		
Formation Type:			
Reporting Agency:	U.S. Geological Survey		
Station Name:	SH:O-030 DUP		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
125	SW	0.93	4,913.53	276.94	FED USGS

Loc Identifier:	USGS-350816090021001	Well Depth:	524.0
Date Drilled:		Well Depth Unit:	ft
Latitude:	35.1378678066475	Well Hole Depth:	
Longitude:	-90.0362020296539	Well Hole Dpth Unt:	
Loc Horz Coord Std:	NAD83	Loc Country Name:	United States of America
Loc Latitude Stnd:	35.1378678066475	Loc HUC Code:	080101000703
Loc Longitude Stnd:	-90.0362020296539	Loc Aquifer Code:	124MMPS
Loc Tribl Land Ind:		Loc Aquifer Conte:	
Loc Tribal Land:		Loc Aquifer Desc:	
Location Welltype:		Alt Loc Identif A:	
Alt Loc Identifier:		Alt Loc Identif B:	
Alt Loc Identif 1:		Alt Loc Identif C:	
Alt Loc Identifi 2:			
Site Type:	Well		
Formation Type:			

Wells and Additional Sources Detail Report

Reporting Agency: U.S. Geological Survey
Station Name: SH:O-030

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
127	N	0.95	5,002.48	253.25	FED USGS

Loc Identifier: USGS-350947090013901
Date Drilled:
Latitude: 35.163330555555554
Longitude: -90.0275
Loc Horz Coord Std: NAD83
Loc Latitude Stnd: 35.163330555555554
Loc Longitude Stnd: -90.0275
Loc Tribl Land Ind:
Loc Tribal Land:
Location Welltype:
Alt Loc Identifier:
Alt Loc Identif 1:
Alt Loc Identifi 2:
Site Type: Well
Formation Type:
Reporting Agency: U.S. Geological Survey
Station Name: Sh:O-265
Well Depth:
Well Depth Unit: ft
Well Hole Depth:
Well Hole Dpth Unt:
Loc Country Name: United States of America
Loc HUC Code: 080102100308
Loc Aquifer Code: 124MMPS
Loc Aquifer Conte:
Loc Aquifer Desc:
Alt Loc Identif A:
Alt Loc Identif B:
Alt Loc Identif C:

County Water Wells

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
3	NE	0.25	1,318.79	240.78	WATER WELLS

Well No: 15709519
License Code: 29
Well Use: Industrial
Driller Report ID: 1442940
Driller Tag No:
Well No R4: 9519
Quad No: 0404NE
Quad Name: NORTHWEST-MEMPHIS
Quad Nth:
Cmpltn Date:
Cmpltn Stati Level: 70
Cmpltn Tot Depth: 475
Cmpltn Est Yield:
Inspection Tag No:
Inspection Date:
Casing Ft Bel Grnd:
WBZ:
Q9th Orphan:
Work Type: New Well
County Name: SHELBY
Description:
Finish Type:
Finish from Ft:
Finish to Ft:
Quality: Good
Casing Type:
Latitude DD: 35.151389
Longitude DD: -90.022222
Lat DD: 35
Lat MM: 9
Lat SS: 5
Lon DD: 90
Lon MM: 1
Lon SS: 20
Latitude: 350905
Longitude: 900120

Form Log:	No	X:	-90.02221612088543
Accuracy:	S	Y:	35.151382506628345
Accuracy Desc:	Nearest second		
Owner Name:			
Location:			
Link ID:	https://dataviewers.tdec.tn.gov/dataviewers/f?p=2005:39930:::::P39930_WELL_REPORT_NUMBER:15709519		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
4	NE	0.26	1,373.98	249.55	WATER WELLS

Well No:	15709518	Work Type:	New Well
License Code:	740	County Name:	SHELBY
Well Use:	Industrial	Description:	
Driller Report ID:	1442939	Finish Type:	
Driller Tag No:		Finish from Ft:	
Well No R4:	9518	Finish to Ft:	
Quad No:	0404NE	Quality:	Good
Quad Name:	NORTHWEST-MEMPHIS	Casing Type:	
Quad Nth:		Latitude DD:	35.151667
Cmpltn Date:		Longitude DD:	-90.022222
Cmpltn Stati Level:	90	Lat DD:	35
Cmpltn Tot Depth:	492	Lat MM:	9
Cmpltn Est Yield:		Lat SS:	6
Inspection Tag No:		Lon DD:	90
Inspection Date:		Lon MM:	1
Casing Ft Bel Grnd:		Lon SS:	20
WBZ:		Latitude:	350906
Q9th Orphan:		Longitude:	900120
Form Log:	No	X:	-90.02221612086714
Accuracy:	S	Y:	35.151660506573656
Accuracy Desc:	Nearest second		
Owner Name:			
Location:			
Link ID:	https://dataviewers.tdec.tn.gov/dataviewers/f?p=2005:39930:::::P39930_WELL_REPORT_NUMBER:15709518		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
5	NNW	0.26	1,363.15	253.64	WATER WELLS

Well No:	15709651	Work Type:	
License Code:	740	County Name:	SHELBY
Well Use:		Description:	
Driller Report ID:	1443069	Finish Type:	
Driller Tag No:		Finish from Ft:	
Well No R4:	9651	Finish to Ft:	
Quad No:	0404NE	Quality:	Unknown

Wells and Additional Sources Detail Report

Quad Name:	NORTHWEST-MEMPHIS	Casing Type:	
Quad Nth:		Latitude DD:	35.152778
Cmpltn Date:		Longitude DD:	-90.02888899999999
Cmpltn Stati Level:	68	Lat DD:	35
Cmpltn Tot Depth:	1392	Lat MM:	9
Cmpltn Est Yield:		Lat SS:	10
Inspection Tag No:		Lon DD:	90
Inspection Date:		Lon MM:	1
Casing Ft Bel Grnd:		Lon SS:	44
WBZ:		Latitude:	350910
Q9th Orphan:		Longitude:	900144
Form Log:	N	X:	-90.02888899999999
Accuracy:	S	Y:	35.15277800000001
Accuracy Desc:	Nearest second		
Owner Name:			
Location:			
Link ID:	https://dataviewers.tdec.tn.gov/dataviewers/f?p=2005:39930:::::P39930_WELL_REPORT_NUMBER:15709651		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
6	NW	0.27	1,409.59	254.10	WATER WELLS

Well No:	15709608	Work Type:	
License Code:	740	County Name:	SHELBY
Well Use:		Description:	
Driller Report ID:	1443027	Finish Type:	
Driller Tag No:		Finish from Ft:	
Well No R4:	9608	Finish to Ft:	
Quad No:	0404NE	Quality:	Good
Quad Name:	NORTHWEST-MEMPHIS	Casing Type:	
Quad Nth:		Latitude DD:	35.152778
Cmpltn Date:		Longitude DD:	-90.029167
Cmpltn Stati Level:		Lat DD:	35
Cmpltn Tot Depth:	508	Lat MM:	9
Cmpltn Est Yield:		Lat SS:	10
Inspection Tag No:		Lon DD:	90
Inspection Date:		Lon MM:	1
Casing Ft Bel Grnd:		Lon SS:	45
WBZ:		Latitude:	350910
Q9th Orphan:		Longitude:	900145
Form Log:	N	X:	-90.02916699999997
Accuracy:	S	Y:	35.15277800000001
Accuracy Desc:	Nearest second		
Owner Name:			
Location:			
Link ID:	https://dataviewers.tdec.tn.gov/dataviewers/f?p=2005:39930:::::P39930_WELL_REPORT_NUMBER:15709608		

Wells and Additional Sources Detail Report

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
9	NNW	0.28	1,493.30	255.03	WATER WELLS

Well No:	15709607	Work Type:	
License Code:	740	County Name:	SHELBY
Well Use:		Description:	
Driller Report ID:	1443026	Finish Type:	
Driller Tag No:		Finish from Ft:	
Well No R4:	9607	Finish to Ft:	
Quad No:	0404NE	Quality:	Good
Quad Name:	NORTHWEST-MEMPHIS	Casing Type:	
Quad Nth:		Latitude DD:	35.153056
Cmpltn Date:		Longitude DD:	-90.029167
Cmpltn Stati Level:		Lat DD:	35
Cmpltn Tot Depth:	545	Lat MM:	9
Cmpltn Est Yield:		Lat SS:	11
Inspection Tag No:		Lon DD:	90
Inspection Date:		Lon MM:	1
Casing Ft Bel Grnd:		Lon SS:	45
WBZ:		Latitude:	350911
Q9th Orphan:		Longitude:	900145
Form Log:	N	X:	-90.02916699999997
Accuracy:	S	Y:	35.15305599999999
Accuracy Desc:	Nearest second		
Owner Name:			
Location:			
Link ID:	https://dataviewers.tdec.tn.gov/dataviewers/f?p=2005:39930:::::P39930_WELL_REPORT_NUMBER:15709607		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
12	NW	0.30	1,590.08	255.06	WATER WELLS

Well No:	15709711	Work Type:	
License Code:	29	County Name:	SHELBY
Well Use:		Description:	
Driller Report ID:	1443125	Finish Type:	
Driller Tag No:		Finish from Ft:	
Well No R4:	9711	Finish to Ft:	
Quad No:	0404NE	Quality:	
Quad Name:	NORTHWEST-MEMPHIS	Casing Type:	
Quad Nth:		Latitude DD:	35.153056
Cmpltn Date:		Longitude DD:	-90.02972199999999
Cmpltn Stati Level:		Lat DD:	35
Cmpltn Tot Depth:	855	Lat MM:	9
Cmpltn Est Yield:		Lat SS:	11
Inspection Tag No:		Lon DD:	90

Inspection Date:		Lon MM:	1
Casing Ft Bel Grnd:		Lon SS:	47
WBZ:		Latitude:	350911
Q9th Orphan:		Longitude:	900147
Form Log:	N	X:	-90.02972199999999
Accuracy:	S	Y:	35.15305599999999
Accuracy Desc:	Nearest second		
Owner Name:			
Location:			
Link ID:	https://dataviewers.tdec.tn.gov/dataviewers/f?p=2005:39930:::::P39930_WELL_REPORT_NUMBER:15709711		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
14	NNE	0.33	1,745.99	258.34	WATER WELLS

Well No:	15709726	Work Type:	New Well
License Code:	740	County Name:	SHELBY
Well Use:	Other	Description:	
Driller Report ID:	1443140	Finish Type:	
Driller Tag No:		Finish from Ft:	
Well No R4:	9726	Finish to Ft:	
Quad No:	0404NE	Quality:	
Quad Name:	NORTHWEST-MEMPHIS	Casing Type:	
Quad Nth:		Latitude DD:	35.154167
Cmpltn Date:		Longitude DD:	-90.024444
Cmpltn Stati Level:		Lat DD:	35
Cmpltn Tot Depth:	716	Lat MM:	9
Cmpltn Est Yield:		Lat SS:	15
Inspection Tag No:		Lon DD:	90
Inspection Date:		Lon MM:	1
Casing Ft Bel Grnd:		Lon SS:	28
WBZ:		Latitude:	350915
Q9th Orphan:		Longitude:	900128
Form Log:	No	X:	-90.02443812008882
Accuracy:	S	Y:	35.154160506180844
Accuracy Desc:	Nearest second		
Owner Name:			
Location:			
Link ID:	https://dataviewers.tdec.tn.gov/dataviewers/f?p=2005:39930:::::P39930_WELL_REPORT_NUMBER:15709726		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
15	NNW	0.33	1,755.21	257.00	WATER WELLS

Well No:	15709671	Work Type:	
License Code:	740	County Name:	SHELBY
Well Use:		Description:	

Wells and Additional Sources Detail Report

Driller Report ID:	1443089	Finish Type:	
Driller Tag No:		Finish from Ft:	
Well No R4:	9671	Finish to Ft:	
Quad No:	0404NE	Quality:	Good
Quad Name:	NORTHWEST-MEMPHIS	Casing Type:	
Quad Nth:		Latitude DD:	35.153889
Cmpltn Date:	9/12/1962, 8:00 PM	Longitude DD:	-90.029167
Cmpltn Stati Level:		Lat DD:	35
Cmpltn Tot Depth:	536	Lat MM:	9
Cmpltn Est Yield:		Lat SS:	14
Inspection Tag No:		Lon DD:	90
Inspection Date:		Lon MM:	1
Casing Ft Bel Grnd:		Lon SS:	45
WBZ:		Latitude:	350914
Q9th Orphan:		Longitude:	900145
Form Log:	N	X:	-90.02916699999997
Accuracy:	S	Y:	35.15388899999999
Accuracy Desc:	Nearest second		
Owner Name:			
Location:			
Link ID:	https://dataviewers.tdec.tn.gov/dataviewers/f?p=2005:39930:::::P39930_WELL_REPORT_NUMBER:15709671		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
16	N	0.33	1,757.50	260.20	WATER WELLS

Well No:	15709616	Work Type:	
License Code:	740	County Name:	SHELBY
Well Use:		Description:	
Driller Report ID:	1443034	Finish Type:	
Driller Tag No:		Finish from Ft:	
Well No R4:	9616	Finish to Ft:	
Quad No:	0404NE	Quality:	Good
Quad Name:	NORTHWEST-MEMPHIS	Casing Type:	
Quad Nth:		Latitude DD:	35.154444
Cmpltn Date:	6/27/1942, 8:00 PM	Longitude DD:	-90.02666699999999
Cmpltn Stati Level:		Lat DD:	35
Cmpltn Tot Depth:	538	Lat MM:	9
Cmpltn Est Yield:		Lat SS:	16
Inspection Tag No:		Lon DD:	90
Inspection Date:		Lon MM:	1
Casing Ft Bel Grnd:		Lon SS:	36
WBZ:		Latitude:	350916
Q9th Orphan:		Longitude:	900136
Form Log:	N	X:	-90.02666699999997
Accuracy:	S	Y:	35.15444400000001
Accuracy Desc:	Nearest second		

Wells and Additional Sources Detail Report

Owner Name:
Location:
Link ID: https://dataviewers.tdec.tn.gov/dataviewers/f?p=2005:39930:::::P39930_WELL_REPORT_NUMBER:15709616

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
18	N	0.33	1,762.66	260.15	WATER WELLS

Well No:	15709615	Work Type:	
License Code:	740	County Name:	SHELBY
Well Use:		Description:	
Driller Report ID:	1443033	Finish Type:	
Driller Tag No:		Finish from Ft:	
Well No R4:	9615	Finish to Ft:	
Quad No:	0404NE	Quality:	Good
Quad Name:	NORTHWEST-MEMPHIS	Casing Type:	
Quad Nth:		Latitude DD:	35.154444
Cmpltn Date:		Longitude DD:	-90.026944
Cmpltn Stati Level:		Lat DD:	35
Cmpltn Tot Depth:	522	Lat MM:	9
Cmpltn Est Yield:		Lat SS:	16
Inspection Tag No:		Lon DD:	90
Inspection Date:		Lon MM:	1
Casing Ft Bel Grnd:		Lon SS:	37
WBZ:		Latitude:	350916
Q9th Orphan:		Longitude:	900137
Form Log:	N	X:	-90.02694400000001
Accuracy:	S	Y:	35.15444400000001
Accuracy Desc:	Nearest second		

Owner Name:
Location:
Link ID: https://dataviewers.tdec.tn.gov/dataviewers/f?p=2005:39930:::::P39930_WELL_REPORT_NUMBER:15709615

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
20	NNE	0.34	1,801.04	255.08	WATER WELLS

Well No:	15709617	Work Type:	
License Code:	740	County Name:	SHELBY
Well Use:		Description:	
Driller Report ID:	1443035	Finish Type:	
Driller Tag No:		Finish from Ft:	
Well No R4:	9617	Finish to Ft:	
Quad No:	0404NE	Quality:	Good
Quad Name:	NORTHWEST-MEMPHIS	Casing Type:	
Quad Nth:		Latitude DD:	35.154167
Cmpltn Date:		Longitude DD:	-90.023889

Cmpltn Stati Level:		Lat DD:	35
Cmpltn Tot Depth:	541	Lat MM:	9
Cmpltn Est Yield:		Lat SS:	15
Inspection Tag No:		Lon DD:	90
Inspection Date:		Lon MM:	1
Casing Ft Bel Grnd:		Lon SS:	26
WBZ:		Latitude:	350915
Q9th Orphan:		Longitude:	900126
Form Log:	N	X:	-90.023889
Accuracy:	S	Y:	35.15416699999997
Accuracy Desc:	Nearest second		
Owner Name:			
Location:			
Link ID:	https://dataviewers.tdec.tn.gov/dataviewers/f?p=2005:39930:::::P39930_WELL_REPORT_NUMBER:15709617		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
23	NNE	0.35	1,832.64	253.08	WATER WELLS

Well No:	15709618	Work Type:	
License Code:	740	County Name:	SHELBY
Well Use:		Description:	
Driller Report ID:	1443036	Finish Type:	
Driller Tag No:		Finish from Ft:	
Well No R4:	9618	Finish to Ft:	
Quad No:	0404NE	Quality:	Good
Quad Name:	NORTHWEST-MEMPHIS	Casing Type:	
Quad Nth:		Latitude DD:	35.154167
Cmpltn Date:	3/26/1936, 7:00 PM	Longitude DD:	-90.023611
Cmpltn Stati Level:		Lat DD:	35
Cmpltn Tot Depth:	521	Lat MM:	9
Cmpltn Est Yield:		Lat SS:	15
Inspection Tag No:		Lon DD:	90
Inspection Date:		Lon MM:	1
Casing Ft Bel Grnd:		Lon SS:	25
WBZ:		Latitude:	350915
Q9th Orphan:		Longitude:	900125
Form Log:	N	X:	-90.02361100000002
Accuracy:	S	Y:	35.15416699999997
Accuracy Desc:	Nearest second		
Owner Name:			
Location:			
Link ID:	https://dataviewers.tdec.tn.gov/dataviewers/f?p=2005:39930:::::P39930_WELL_REPORT_NUMBER:15709618		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
26	N	0.35	1,863.54	257.85	WATER WELLS

Wells and Additional Sources Detail Report

Well No:	15709663	Work Type:	
License Code:	740	County Name:	SHELBY
Well Use:		Description:	
Driller Report ID:	1443081	Finish Type:	
Driller Tag No:		Finish from Ft:	
Well No R4:	9663	Finish to Ft:	
Quad No:	0404NE	Quality:	Unknown
Quad Name:	NORTHWEST-MEMPHIS	Casing Type:	
Quad Nth:		Latitude DD:	35.154722
Cmpltn Date:		Longitude DD:	-90.026944
Cmpltn Stati Level:	80	Lat DD:	35
Cmpltn Tot Depth:	1357	Lat MM:	9
Cmpltn Est Yield:		Lat SS:	17
Inspection Tag No:		Lon DD:	90
Inspection Date:		Lon MM:	1
Casing Ft Bel Grnd:		Lon SS:	37
WBZ:		Latitude:	350917
Q9th Orphan:		Longitude:	900137
Form Log:	N	X:	-90.02694400000001
Accuracy:	S	Y:	35.15472199999999
Accuracy Desc:	Nearest second		
Owner Name:			
Location:			
Link ID:	https://dataviewers.tdec.tn.gov/dataviewers/f?p=2005:39930:::::P39930_WELL_REPORT_NUMBER:15709663		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
27	NW	0.36	1,883.98	253.98	WATER WELLS

Well No:	15709648	Work Type:	
License Code:	740	County Name:	SHELBY
Well Use:		Description:	
Driller Report ID:	1443066	Finish Type:	
Driller Tag No:		Finish from Ft:	
Well No R4:	9648	Finish to Ft:	
Quad No:	0404NE	Quality:	Unknown
Quad Name:	NORTHWEST-MEMPHIS	Casing Type:	
Quad Nth:		Latitude DD:	35.153889
Cmpltn Date:	5/5/1942, 8:00 PM	Longitude DD:	-90.03
Cmpltn Stati Level:		Lat DD:	35
Cmpltn Tot Depth:	2634	Lat MM:	9
Cmpltn Est Yield:		Lat SS:	14
Inspection Tag No:		Lon DD:	90
Inspection Date:		Lon MM:	1
Casing Ft Bel Grnd:		Lon SS:	48
WBZ:		Latitude:	350914

Q9th Orphan:		Longitude:	900148
Form Log:	N	X:	-90.02999999999997
Accuracy:	S	Y:	35.15388899999999
Accuracy Desc:	Nearest second		
Owner Name:			
Location:			
Link ID:	https://dataviewers.tdec.tn.gov/dataviewers/f?p=2005:39930:::::P39930_WELL_REPORT_NUMBER:15709648		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
30	NNW	0.37	1,936.44	255.53	WATER WELLS

Well No:	20082152	Work Type:	
License Code:	879	County Name:	SHELBY
Well Use:		Description:	
Driller Report ID:	1513230	Finish Type:	Screen
Driller Tag No:	D0081331	Finish from Ft:	410
Well No R4:	2152	Finish to Ft:	510
Quad No:	0404NE	Quality:	Clear
Quad Name:	NORTHWEST-MEMPHIS	Casing Type:	Steel
Quad Nth:	9	Latitude DD:	35.154444
Cmpltn Date:	7/1/2008, 8:00 PM	Longitude DD:	-90.029167
Cmpltn Stati Level:	125	Lat DD:	35
Cmpltn Tot Depth:	514	Lat MM:	9
Cmpltn Est Yield:	1400	Lat SS:	16
Inspection Tag No:		Lon DD:	90
Inspection Date:		Lon MM:	1
Casing Ft Bel Grnd:	405	Lon SS:	45
WBZ:		Latitude:	350916
Q9th Orphan:		Longitude:	900145
Form Log:	Y	X:	-90.02916699999997
Accuracy:		Y:	35.15444400000001
Accuracy Desc:			
Owner Name:			
Location:	515 AYERS STREET		
Link ID:	https://dataviewers.tdec.tn.gov/dataviewers/f?p=2005:39930:::::P39930_WELL_REPORT_NUMBER:20082152		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
32	NW	0.38	1,982.74	251.63	WATER WELLS

Well No:	15709675	Work Type:	
License Code:	740	County Name:	SHELBY
Well Use:		Description:	
Driller Report ID:	1443093	Finish Type:	
Driller Tag No:		Finish from Ft:	
Well No R4:	9675	Finish to Ft:	

Wells and Additional Sources Detail Report

Quad No:	0404NE	Quality:	Good
Quad Name:	NORTHWEST-MEMPHIS	Casing Type:	
Quad Nth:		Latitude DD:	35.153889
Cmpltn Date:	4/7/1963, 7:00 PM	Longitude DD:	-90.03055599999999
Cmpltn Stati Level:		Lat DD:	35
Cmpltn Tot Depth:	576	Lat MM:	9
Cmpltn Est Yield:		Lat SS:	14
Inspection Tag No:		Lon DD:	90
Inspection Date:		Lon MM:	1
Casing Ft Bel Grnd:		Lon SS:	50
WBZ:		Latitude:	350914
Q9th Orphan:		Longitude:	900150
Form Log:	N	X:	-90.03055599999999
Accuracy:	S	Y:	35.15388899999999
Accuracy Desc:	Nearest second		
Owner Name:			
Location:			
Link ID:	https://dataviewers.tdec.tn.gov/dataviewers/f?p=2005:39930:::::P39930_WELL_REPORT_NUMBER:15709675		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
34	NW	0.39	2,035.23	249.68	WATER WELLS

Well No:	15709649	Work Type:	
License Code:	740	County Name:	SHELBY
Well Use:		Description:	
Driller Report ID:	1443067	Finish Type:	
Driller Tag No:		Finish from Ft:	
Well No R4:	9649	Finish to Ft:	
Quad No:	0404NE	Quality:	Unknown
Quad Name:	NORTHWEST-MEMPHIS	Casing Type:	
Quad Nth:		Latitude DD:	35.153889
Cmpltn Date:		Longitude DD:	-90.030833
Cmpltn Stati Level:		Lat DD:	35
Cmpltn Tot Depth:	1387	Lat MM:	9
Cmpltn Est Yield:		Lat SS:	14
Inspection Tag No:		Lon DD:	90
Inspection Date:		Lon MM:	1
Casing Ft Bel Grnd:		Lon SS:	51
WBZ:		Latitude:	350914
Q9th Orphan:		Longitude:	900151
Form Log:	N	X:	-90.03083299999997
Accuracy:	S	Y:	35.15388899999999
Accuracy Desc:	Nearest second		
Owner Name:			
Location:			
Link ID:	https://dataviewers.tdec.tn.gov/dataviewers/f?p=2005:39930:::::P39930_WELL_REPORT_NUMBER:15709649		

Wells and Additional Sources Detail Report

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
36	S	0.40	2,122.09	247.89	WATER WELLS

Well No:	15709576	Work Type:	New Well
License Code:	30	County Name:	SHELBY
Well Use:	Industrial	Description:	
Driller Report ID:	1442996	Finish Type:	
Driller Tag No:		Finish from Ft:	
Well No R4:	9576	Finish to Ft:	
Quad No:	0404NE	Quality:	
Quad Name:	NORTHWEST-MEMPHIS	Casing Type:	
Quad Nth:		Latitude DD:	35.143056
Cmpltn Date:		Longitude DD:	-90.027222
Cmpltn Stati Level:	20	Lat DD:	35
Cmpltn Tot Depth:	460	Lat MM:	8
Cmpltn Est Yield:		Lat SS:	35
Inspection Tag No:		Lon DD:	90
Inspection Date:		Lon MM:	1
Casing Ft Bel Grnd:		Lon SS:	38
WBZ:		Latitude:	350835
Q9th Orphan:		Longitude:	900138
Form Log:	No	X:	-90.0272161200525
Accuracy:	S	Y:	35.14304950848856
Accuracy Desc:	Nearest second		
Owner Name:			
Location:			
Link ID:	https://dataviewers.tdec.tn.gov/dataviewers/f?p=2005:39930:::::P39930_WELL_REPORT_NUMBER:15709576		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
37	NNW	0.40	2,098.20	257.68	WATER WELLS

Well No:	15709653	Work Type:	
License Code:	740	County Name:	SHELBY
Well Use:		Description:	
Driller Report ID:	1443071	Finish Type:	
Driller Tag No:		Finish from Ft:	
Well No R4:	9653	Finish to Ft:	
Quad No:	0404NE	Quality:	
Quad Name:	NORTHWEST-MEMPHIS	Casing Type:	
Quad Nth:		Latitude DD:	35.154444
Cmpltn Date:		Longitude DD:	-90.030278
Cmpltn Stati Level:	52	Lat DD:	35
Cmpltn Tot Depth:	1398	Lat MM:	9
Cmpltn Est Yield:		Lat SS:	16

Wells and Additional Sources Detail Report

Inspection Tag No:		Lon DD:	90
Inspection Date:		Lon MM:	1
Casing Ft Bel Grnd:		Lon SS:	49
WBZ:		Latitude:	350916
Q9th Orphan:		Longitude:	900149
Form Log:	N	X:	-90.03027800000001
Accuracy:	S	Y:	35.15444400000001
Accuracy Desc:	Nearest second		
Owner Name:			
Location:			
Link ID:	https://dataviewers.tdec.tn.gov/dataviewers/f?p=2005:39930:::::P39930_WELL_REPORT_NUMBER:15709653		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
38	NNW	0.40	2,098.46	254.86	WATER WELLS

Well No:	15709614	Work Type:	
License Code:	740	County Name:	SHELBY
Well Use:		Description:	
Driller Report ID:	1443032	Finish Type:	
Driller Tag No:		Finish from Ft:	
Well No R4:	9614	Finish to Ft:	
Quad No:	0404NE	Quality:	Good
Quad Name:	NORTHWEST-MEMPHIS	Casing Type:	
Quad Nth:		Latitude DD:	35.155277999999996
Cmpltn Date:	1/17/1941, 7:00 PM	Longitude DD:	-90.027778
Cmpltn Stati Level:		Lat DD:	35
Cmpltn Tot Depth:	505	Lat MM:	9
Cmpltn Est Yield:		Lat SS:	19
Inspection Tag No:		Lon DD:	90
Inspection Date:		Lon MM:	1
Casing Ft Bel Grnd:		Lon SS:	40
WBZ:		Latitude:	350919
Q9th Orphan:		Longitude:	900140
Form Log:	N	X:	-90.02777800000001
Accuracy:	S	Y:	35.15527800000001
Accuracy Desc:	Nearest second		
Owner Name:			
Location:			
Link ID:	https://dataviewers.tdec.tn.gov/dataviewers/f?p=2005:39930:::::P39930_WELL_REPORT_NUMBER:15709614		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
39	NW	0.40	2,113.55	255.75	WATER WELLS

Well No:	15709650	Work Type:	
License Code:	740	County Name:	SHELBY

Well Use:		Description:	
Driller Report ID:	1443068	Finish Type:	
Driller Tag No:		Finish from Ft:	
Well No R4:	9650	Finish to Ft:	
Quad No:	0404NE	Quality:	Good
Quad Name:	NORTHWEST-MEMPHIS	Casing Type:	
Quad Nth:		Latitude DD:	35.154167
Cmpltn Date:		Longitude DD:	-90.030833
Cmpltn Stati Level:		Lat DD:	35
Cmpltn Tot Depth:	1387	Lat MM:	9
Cmpltn Est Yield:		Lat SS:	15
Inspection Tag No:		Lon DD:	90
Inspection Date:		Lon MM:	1
Casing Ft Bel Grnd:		Lon SS:	51
WBZ:		Latitude:	350915
Q9th Orphan:		Longitude:	900151
Form Log:	N	X:	-90.03083299999997
Accuracy:	S	Y:	35.15416699999997
Accuracy Desc:	Nearest second		
Owner Name:			
Location:			
Link ID:	https://dataviewers.tdec.tn.gov/dataviewers/f?p=2005:39930:::::P39930_WELL_REPORT_NUMBER:15709650		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
41	NNE	0.41	2,162.28	245.32	WATER WELLS

Well No:	15709620	Work Type:	
License Code:	740	County Name:	SHELBY
Well Use:		Description:	
Driller Report ID:	1443038	Finish Type:	
Driller Tag No:		Finish from Ft:	
Well No R4:	9620	Finish to Ft:	
Quad No:	0404NE	Quality:	Good
Quad Name:	NORTHWEST-MEMPHIS	Casing Type:	
Quad Nth:		Latitude DD:	35.154722
Cmpltn Date:		Longitude DD:	-90.02250000000001
Cmpltn Stati Level:		Lat DD:	35
Cmpltn Tot Depth:	493	Lat MM:	9
Cmpltn Est Yield:		Lat SS:	17
Inspection Tag No:		Lon DD:	90
Inspection Date:		Lon MM:	1
Casing Ft Bel Grnd:		Lon SS:	21
WBZ:		Latitude:	350917
Q9th Orphan:		Longitude:	900121
Form Log:	N	X:	-90.02249999999998
Accuracy:	S	Y:	35.15472199999999

Accuracy Desc:	Nearest second
Owner Name:	
Location:	
Link ID:	https://dataviewers.tdec.tn.gov/dataviewers/f?p=2005:39930:::::P39930_WELL_REPORT_NUMBER:15709620

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
42	NNW	0.41	2,183.64	254.27	WATER WELLS

Well No:	15709611	Work Type:	
License Code:	740	County Name:	SHELBY
Well Use:		Description:	
Driller Report ID:	1443029	Finish Type:	
Driller Tag No:		Finish from Ft:	
Well No R4:	9611	Finish to Ft:	
Quad No:	0404NE	Quality:	Good
Quad Name:	NORTHWEST-MEMPHIS	Casing Type:	
Quad Nth:		Latitude DD:	35.154722
Cmpltn Date:		Longitude DD:	-90.030278
Cmpltn Stati Level:	111	Lat DD:	35
Cmpltn Tot Depth:	479	Lat MM:	9
Cmpltn Est Yield:		Lat SS:	17
Inspection Tag No:		Lon DD:	90
Inspection Date:		Lon MM:	1
Casing Ft Bel Grnd:		Lon SS:	49
WBZ:		Latitude:	350917
Q9th Orphan:		Longitude:	900149
Form Log:	N	X:	-90.03027800000001
Accuracy:	S	Y:	35.15472199999999
Accuracy Desc:	Nearest second		
Owner Name:			
Location:			
Link ID:	https://dataviewers.tdec.tn.gov/dataviewers/f?p=2005:39930:::::P39930_WELL_REPORT_NUMBER:15709611		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
43	NE	0.42	2,207.80	254.20	WATER WELLS

Well No:	15709622	Work Type:	
License Code:	740	County Name:	SHELBY
Well Use:		Description:	
Driller Report ID:	1443040	Finish Type:	
Driller Tag No:		Finish from Ft:	
Well No R4:	9622	Finish to Ft:	
Quad No:	0404NE	Quality:	Good
Quad Name:	NORTHWEST-MEMPHIS	Casing Type:	
Quad Nth:		Latitude DD:	35.153611

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Cmpltn Date:	8/26/1930, 8:00 PM	Longitude DD:	-90.020556
Cmpltn Stati Level:		Lat DD:	35
Cmpltn Tot Depth:	526	Lat MM:	9
Cmpltn Est Yield:		Lat SS:	13
Inspection Tag No:		Lon DD:	90
Inspection Date:		Lon MM:	1
Casing Ft Bel Grnd:		Lon SS:	14
WBZ:		Latitude:	350913
Q9th Orphan:		Longitude:	900114
Form Log:	N	X:	-90.020556
Accuracy:	S	Y:	35.15361100000001
Accuracy Desc:	Nearest second		
Owner Name:			
Location:			
Link ID:	https://dataviewers.tdec.tn.gov/dataviewers/f?p=2005:39930:::::P39930_WELL_REPORT_NUMBER:15709622		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
44	NNE	0.42	2,204.39	245.34	WATER WELLS

Well No:	15709619	Work Type:	
License Code:	740	County Name:	SHELBY
Well Use:		Description:	
Driller Report ID:	1443037	Finish Type:	
Driller Tag No:		Finish from Ft:	
Well No R4:	9619	Finish to Ft:	
Quad No:	0404NE	Quality:	Good
Quad Name:	NORTHWEST-MEMPHIS	Casing Type:	
Quad Nth:		Latitude DD:	35.154722
Cmpltn Date:		Longitude DD:	-90.022222
Cmpltn Stati Level:		Lat DD:	35
Cmpltn Tot Depth:	495	Lat MM:	9
Cmpltn Est Yield:		Lat SS:	17
Inspection Tag No:		Lon DD:	90
Inspection Date:		Lon MM:	1
Casing Ft Bel Grnd:		Lon SS:	20
WBZ:		Latitude:	350917
Q9th Orphan:		Longitude:	900120
Form Log:	N	X:	-90.022222
Accuracy:	S	Y:	35.15472199999999
Accuracy Desc:	Nearest second		
Owner Name:			
Location:			
Link ID:	https://dataviewers.tdec.tn.gov/dataviewers/f?p=2005:39930:::::P39930_WELL_REPORT_NUMBER:15709619		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
45	NNW	0.42	2,197.92	254.05	WATER WELLS

Well No:	15709613	Work Type:	
License Code:	740	County Name:	SHELBY
Well Use:		Description:	
Driller Report ID:	1443031	Finish Type:	
Driller Tag No:		Finish from Ft:	
Well No R4:	9613	Finish to Ft:	
Quad No:	0404NE	Quality:	Good
Quad Name:	NORTHWEST-MEMPHIS	Casing Type:	
Quad Nth:		Latitude DD:	35.155556
Cmpltn Date:		Longitude DD:	-90.027778
Cmpltn Stati Level:		Lat DD:	35
Cmpltn Tot Depth:	508	Lat MM:	9
Cmpltn Est Yield:		Lat SS:	20
Inspection Tag No:		Lon DD:	90
Inspection Date:		Lon MM:	1
Casing Ft Bel Grnd:		Lon SS:	40
WBZ:		Latitude:	350920
Q9th Orphan:		Longitude:	900140
Form Log:	N	X:	-90.02777800000001
Accuracy:	S	Y:	35.15555599999999
Accuracy Desc:	Nearest second		
Owner Name:			
Location:			
Link ID:	https://dataviewers.tdec.tn.gov/dataviewers/f?p=2005:39930:::::P39930_WELL_REPORT_NUMBER:15709613		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
47	NE	0.42	2,218.85	236.36	WATER WELLS

Well No:	15709666	Work Type:	
License Code:	740	County Name:	SHELBY
Well Use:		Description:	
Driller Report ID:	1443084	Finish Type:	
Driller Tag No:		Finish from Ft:	
Well No R4:	9666	Finish to Ft:	
Quad No:	0404NE	Quality:	Good
Quad Name:	NORTHWEST-MEMPHIS	Casing Type:	
Quad Nth:		Latitude DD:	35.153889
Cmpltn Date:	1/23/1946, 7:00 PM	Longitude DD:	-90.020833
Cmpltn Stati Level:	64	Lat DD:	35
Cmpltn Tot Depth:	1383	Lat MM:	9
Cmpltn Est Yield:		Lat SS:	14
Inspection Tag No:		Lon DD:	90
Inspection Date:		Lon MM:	1
Casing Ft Bel Grnd:		Lon SS:	15

WBZ:		Latitude:	350914
Q9th Orphan:		Longitude:	900115
Form Log:	N	X:	-90.02083299999998
Accuracy:	S	Y:	35.15388899999999
Accuracy Desc:	Nearest second		
Owner Name:			
Location:			
Link ID:	https://dataviewers.tdec.tn.gov/dataviewers/f?p=2005:39930:::::P39930_WELL_REPORT_NUMBER:15709666		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
48	NW	0.42	2,228.48	253.30	WATER WELLS

Well No:	15709610	Work Type:	
License Code:	740	County Name:	SHELBY
Well Use:		Description:	
Driller Report ID:	1443028	Finish Type:	
Driller Tag No:		Finish from Ft:	
Well No R4:	9610	Finish to Ft:	
Quad No:	0404NE	Quality:	Good
Quad Name:	NORTHWEST-MEMPHIS	Casing Type:	
Quad Nth:		Latitude DD:	35.154722
Cmpltn Date:		Longitude DD:	-90.03055599999999
Cmpltn Stati Level:		Lat DD:	35
Cmpltn Tot Depth:	519	Lat MM:	9
Cmpltn Est Yield:		Lat SS:	17
Inspection Tag No:		Lon DD:	90
Inspection Date:		Lon MM:	1
Casing Ft Bel Grnd:		Lon SS:	50
WBZ:		Latitude:	350917
Q9th Orphan:		Longitude:	900150
Form Log:	N	X:	-90.03055599999999
Accuracy:	S	Y:	35.15472199999999
Accuracy Desc:	Nearest second		
Owner Name:			
Location:			
Link ID:	https://dataviewers.tdec.tn.gov/dataviewers/f?p=2005:39930:::::P39930_WELL_REPORT_NUMBER:15709610		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
50	NW	0.43	2,244.25	247.46	WATER WELLS

Well No:	15709712	Work Type:	
License Code:	29	County Name:	SHELBY
Well Use:		Description:	
Driller Report ID:	1443126	Finish Type:	
Driller Tag No:		Finish from Ft:	

Wells and Additional Sources Detail Report

Well No R4:	9712	Finish to Ft:	
Quad No:	0404NE	Quality:	
Quad Name:	NORTHWEST-MEMPHIS	Casing Type:	
Quad Nth:		Latitude DD:	35.154444
Cmpltn Date:	6/11/1973, 8:00 PM	Longitude DD:	-90.031111
Cmpltn Stati Level:		Lat DD:	35
Cmpltn Tot Depth:	820	Lat MM:	9
Cmpltn Est Yield:		Lat SS:	16
Inspection Tag No:		Lon DD:	90
Inspection Date:		Lon MM:	1
Casing Ft Bel Grnd:		Lon SS:	52
WBZ:		Latitude:	350916
Q9th Orphan:		Longitude:	900152
Form Log:	N	X:	-90.03111100000001
Accuracy:	S	Y:	35.15444400000001
Accuracy Desc:	Nearest second		
Owner Name:			
Location:			
Link ID:	https://dataviewers.tdec.tn.gov/dataviewers/f?p=2005:39930:::::P39930_WELL_REPORT_NUMBER:15709712		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
51	NE	0.43	2,277.35	252.95	WATER WELLS

Well No:	15709621	Work Type:	
License Code:	740	County Name:	SHELBY
Well Use:		Description:	
Driller Report ID:	1443039	Finish Type:	
Driller Tag No:		Finish from Ft:	
Well No R4:	9621	Finish to Ft:	
Quad No:	0404NE	Quality:	Good
Quad Name:	NORTHWEST-MEMPHIS	Casing Type:	
Quad Nth:		Latitude DD:	35.153889
Cmpltn Date:		Longitude DD:	-90.020556
Cmpltn Stati Level:	70	Lat DD:	35
Cmpltn Tot Depth:	525	Lat MM:	9
Cmpltn Est Yield:		Lat SS:	14
Inspection Tag No:		Lon DD:	90
Inspection Date:		Lon MM:	1
Casing Ft Bel Grnd:		Lon SS:	14
WBZ:		Latitude:	350914
Q9th Orphan:		Longitude:	900114
Form Log:	N	X:	-90.020556
Accuracy:	S	Y:	35.15388899999999
Accuracy Desc:	Nearest second		
Owner Name:			
Location:			

Wells and Additional Sources Detail Report

Link ID: https://dataviewers.tdec.tn.gov/dataviewers/f?p=2005:39930:::::P39930_WELL_REPORT_NUMBER:15709621

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
52	NE	0.43	2,292.54	236.42	WATER WELLS

Well No:	15701038	Work Type:	
License Code:	30	County Name:	SHELBY
Well Use:		Description:	
Driller Report ID:	1441862	Finish Type:	Screen
Driller Tag No:		Finish from Ft:	655
Well No R4:	1038	Finish to Ft:	755
Quad No:	0404NE	Quality:	Good
Quad Name:	NORTHWEST-MEMPHIS	Casing Type:	Steel
Quad Nth:	9	Latitude DD:	35.154167
Cmpltn Date:		Longitude DD:	-90.020833
Cmpltn Stati Level:	138	Lat DD:	35
Cmpltn Tot Depth:	760	Lat MM:	9
Cmpltn Est Yield:	2500	Lat SS:	15
Inspection Tag No:		Lon DD:	90
Inspection Date:		Lon MM:	1
Casing Ft Bel Grnd:	650	Lon SS:	15
WBZ:		Latitude:	350915
Q9th Orphan:		Longitude:	900115
Form Log:	N	X:	-90.02083299999998
Accuracy:	F	Y:	35.15416699999997
Accuracy Desc:	Nearest 15 seconds		
Owner Name:			
Location:	BELLEVUE		
Link ID:	https://dataviewers.tdec.tn.gov/dataviewers/f?p=2005:39930:::::P39930_WELL_REPORT_NUMBER:15701038		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
53	NE	0.44	2,314.56	237.82	WATER WELLS

Well No:	15709652	Work Type:	
License Code:	740	County Name:	SHELBY
Well Use:		Description:	
Driller Report ID:	1443070	Finish Type:	
Driller Tag No:		Finish from Ft:	
Well No R4:	9652	Finish to Ft:	
Quad No:	0404NE	Quality:	Unknown
Quad Name:	NORTHWEST-MEMPHIS	Casing Type:	
Quad Nth:		Latitude DD:	35.154444
Cmpltn Date:	5/19/1926, 8:00 PM	Longitude DD:	-90.02111099999999
Cmpltn Stati Level:	58	Lat DD:	35
Cmpltn Tot Depth:	1392	Lat MM:	9

Cmpltn Est Yield:		Lat SS:	16
Inspection Tag No:		Lon DD:	90
Inspection Date:		Lon MM:	1
Casing Ft Bel Grnd:		Lon SS:	16
WBZ:		Latitude:	350916
Q9th Orphan:		Longitude:	900116
Form Log:	N	X:	-90.02111100000002
Accuracy:	S	Y:	35.15444400000001
Accuracy Desc:	Nearest second		
Owner Name:			
Location:			
Link ID:	https://dataviewers.tdec.tn.gov/dataviewers/f?p=2005:39930:::::P39930_WELL_REPORT_NUMBER:15709652		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
54	NE	0.45	2,368.00	236.88	WATER WELLS

Well No:	15709605	Work Type:	
License Code:	740	County Name:	SHELBY
Well Use:		Description:	
Driller Report ID:	1443024	Finish Type:	
Driller Tag No:		Finish from Ft:	
Well No R4:	9605	Finish to Ft:	
Quad No:	0404NE	Quality:	Unknown
Quad Name:	NORTHWEST-MEMPHIS	Casing Type:	
Quad Nth:		Latitude DD:	35.154444
Cmpltn Date:		Longitude DD:	-90.020833
Cmpltn Stati Level:	69	Lat DD:	35
Cmpltn Tot Depth:	476	Lat MM:	9
Cmpltn Est Yield:		Lat SS:	16
Inspection Tag No:		Lon DD:	90
Inspection Date:		Lon MM:	1
Casing Ft Bel Grnd:		Lon SS:	15
WBZ:		Latitude:	350916
Q9th Orphan:		Longitude:	900115
Form Log:	N	X:	-90.02083299999998
Accuracy:	S	Y:	35.15444400000001
Accuracy Desc:	Nearest second		
Owner Name:			
Location:			
Link ID:	https://dataviewers.tdec.tn.gov/dataviewers/f?p=2005:39930:::::P39930_WELL_REPORT_NUMBER:15709605		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
55	NW	0.46	2,402.86	249.64	WATER WELLS

Well No:	20171720	Work Type:	Backfill and Abandon

Wells and Additional Sources Detail Report

License Code:	1024	County Name:	SHELBY
Well Use:		Description:	
Driller Report ID:	1541588	Finish Type:	
Driller Tag No:	BA003719	Finish from Ft:	
Well No R4:	1720	Finish to Ft:	
Quad No:	0404NE	Quality:	
Quad Name:	NORTHWEST-MEMPHIS	Casing Type:	
Quad Nth:	9	Latitude DD:	35.155
Cmpltn Date:	2017-08-10 06:00:00 UTC	Longitude DD:	-90.031111
Cmpltn Stati Level:	112	Lat DD:	35
Cmpltn Tot Depth:	759	Lat MM:	9
Cmpltn Est Yield:		Lat SS:	18
Inspection Tag No:		Lon DD:	90
Inspection Date:		Lon MM:	1
Casing Ft Bel Grnd:		Lon SS:	52
WBZ:		Latitude:	350918
Q9th Orphan:		Longitude:	900152
Form Log:	No	X:	-90.03110511819236
Accuracy:		Y:	35.15499350631315
Accuracy Desc:			
Owner Name:			
Location:	514 N DUNLAP		
Link ID:	https://dataviewers.tdec.tn.gov/dataviewers/f?p=2005:39930:::::P39930_WELL_REPORT_NUMBER:20171720		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
56	NE	0.46	2,445.57	237.17	WATER WELLS

Well No:	15709606	Work Type:	
License Code:	740	County Name:	SHELBY
Well Use:		Description:	
Driller Report ID:	1443025	Finish Type:	
Driller Tag No:		Finish from Ft:	
Well No R4:	9606	Finish to Ft:	
Quad No:	0404NE	Quality:	Good
Quad Name:	NORTHWEST-MEMPHIS	Casing Type:	
Quad Nth:		Latitude DD:	35.154722
Cmpltn Date:		Longitude DD:	-90.020833
Cmpltn Stati Level:		Lat DD:	35
Cmpltn Tot Depth:	468	Lat MM:	9
Cmpltn Est Yield:		Lat SS:	17
Inspection Tag No:		Lon DD:	90
Inspection Date:		Lon MM:	1
Casing Ft Bel Grnd:		Lon SS:	15
WBZ:		Latitude:	350917
Q9th Orphan:		Longitude:	900115
Form Log:	N	X:	-90.02083299999998

Accuracy:	S	Y:	35.15472199999999
Accuracy Desc:	Nearest second		
Owner Name:			
Location:			
Link ID:	https://dataviewers.tdec.tn.gov/dataviewers/f?p=2005:39930:::::P39930_WELL_REPORT_NUMBER:15709606		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
58	SSW	0.47	2,464.72	252.90	WATER WELLS

Well No:	15709563	Work Type:	New Well
License Code:	740	County Name:	SHELBY
Well Use:	Commercial	Description:	
Driller Report ID:	1442983	Finish Type:	
Driller Tag No:		Finish from Ft:	
Well No R4:	9563	Finish to Ft:	
Quad No:	0404NE	Quality:	Good
Quad Name:	NORTHWEST-MEMPHIS	Casing Type:	
Quad Nth:		Latitude DD:	35.142778
Cmpltn Date:		Longitude DD:	-90.030278
Cmpltn Stati Level:	60	Lat DD:	35
Cmpltn Tot Depth:	463	Lat MM:	8
Cmpltn Est Yield:		Lat SS:	34
Inspection Tag No:		Lon DD:	90
Inspection Date:		Lon MM:	1
Casing Ft Bel Grnd:		Lon SS:	49
WBZ:		Latitude:	350834
Q9th Orphan:		Longitude:	900149
Form Log:	No	X:	-90.0302721192267
Accuracy:	S	Y:	35.142771508678834
Accuracy Desc:	Nearest second		
Owner Name:			
Location:			
Link ID:	https://dataviewers.tdec.tn.gov/dataviewers/f?p=2005:39930:::::P39930_WELL_REPORT_NUMBER:15709563		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
59	SSW	0.47	2,502.35	257.54	WATER WELLS

Well No:	15709564	Work Type:	New Well
License Code:	740	County Name:	SHELBY
Well Use:	Industrial	Description:	
Driller Report ID:	1442984	Finish Type:	
Driller Tag No:		Finish from Ft:	
Well No R4:	9564	Finish to Ft:	
Quad No:	0404NE	Quality:	Good
Quad Name:	NORTHWEST-MEMPHIS	Casing Type:	

Quad Nth:		Latitude DD:	35.142778
Cmpltn Date:		Longitude DD:	-90.030556
Cmpltn Stati Level:	122	Lat DD:	35
Cmpltn Tot Depth:	480	Lat MM:	8
Cmpltn Est Yield:		Lat SS:	34
Inspection Tag No:		Lon DD:	90
Inspection Date:		Lon MM:	1
Casing Ft Bel Grnd:		Lon SS:	50
WBZ:		Latitude:	350834
Q9th Orphan:		Longitude:	900150
Form Log:	No	X:	-90.0305501191499
Accuracy:	S	Y:	35.142771508691176
Accuracy Desc:	Nearest second		
Owner Name:			
Location:			
Link ID:	https://dataviewers.tdec.tn.gov/dataviewers/f?p=2005:39930:::::P39930_WELL_REPORT_NUMBER:15709564		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
60	NE	0.48	2,525.98	256.33	WATER WELLS

Well No:	15709624	Work Type:	
License Code:	740	County Name:	SHELBY
Well Use:		Description:	
Driller Report ID:	1443042	Finish Type:	
Driller Tag No:		Finish from Ft:	
Well No R4:	9624	Finish to Ft:	
Quad No:	0404NE	Quality:	Good
Quad Name:	NORTHWEST-MEMPHIS	Casing Type:	
Quad Nth:		Latitude DD:	35.153889
Cmpltn Date:	8/10/1941, 8:00 PM	Longitude DD:	-90.019444
Cmpltn Stati Level:	87	Lat DD:	35
Cmpltn Tot Depth:	521	Lat MM:	9
Cmpltn Est Yield:		Lat SS:	14
Inspection Tag No:		Lon DD:	90
Inspection Date:		Lon MM:	1
Casing Ft Bel Grnd:		Lon SS:	10
WBZ:		Latitude:	350914
Q9th Orphan:		Longitude:	900110
Form Log:	N	X:	-90.01944400000002
Accuracy:	S	Y:	35.15388899999999
Accuracy Desc:	Nearest second		
Owner Name:			
Location:			
Link ID:	https://dataviewers.tdec.tn.gov/dataviewers/f?p=2005:39930:::::P39930_WELL_REPORT_NUMBER:15709624		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
61	NE	0.48	2,529.26	256.21	WATER WELLS

Well No:	20161087	Work Type:	Backfill and Abandon
License Code:	1024	County Name:	SHELBY
Well Use:	Commercial	Description:	
Driller Report ID:	1537748	Finish Type:	
Driller Tag No:	BA3467	Finish from Ft:	695
Well No R4:	1087	Finish to Ft:	795
Quad No:	0404NE	Quality:	
Quad Name:	NORTHWEST-MEMPHIS	Casing Type:	
Quad Nth:	9	Latitude DD:	35.153611
Cmpltn Date:	2016-05-19 06:00:00 UTC	Longitude DD:	-90.019167
Cmpltn Stati Level:	19	Lat DD:	35
Cmpltn Tot Depth:	145	Lat MM:	9
Cmpltn Est Yield:		Lat SS:	13
Inspection Tag No:		Lon DD:	90
Inspection Date:		Lon MM:	1
Casing Ft Bel Grnd:	644	Lon SS:	9
WBZ:		Latitude:	350913
Q9th Orphan:		Longitude:	900109
Form Log:	No	X:	-90.01916112158312
Accuracy:		Y:	35.15360450605591
Accuracy Desc:			
Owner Name:			
Location:	1195 N PARKWAY AVE		
Link ID:	https://dataviewers.tdec.tn.gov/dataviewers/f?p=2005:39930:::::P39930_WELL_REPORT_NUMBER:20161087		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
63	NE	0.49	2,590.85	256.02	WATER WELLS

Well No:	15709623	Work Type:	
License Code:	740	County Name:	SHELBY
Well Use:		Description:	
Driller Report ID:	1443041	Finish Type:	
Driller Tag No:		Finish from Ft:	
Well No R4:	9623	Finish to Ft:	
Quad No:	0404NE	Quality:	Good
Quad Name:	NORTHWEST-MEMPHIS	Casing Type:	
Quad Nth:		Latitude DD:	35.153889
Cmpltn Date:		Longitude DD:	-90.019167
Cmpltn Stati Level:		Lat DD:	35
Cmpltn Tot Depth:	544	Lat MM:	9
Cmpltn Est Yield:		Lat SS:	14
Inspection Tag No:		Lon DD:	90
Inspection Date:		Lon MM:	1

Casing Ft Bel Grnd:		Lon SS:	9
WBZ:		Latitude:	350914
Q9th Orphan:		Longitude:	900109
Form Log:	N	X:	-90.01916699999998
Accuracy:	S	Y:	35.15388899999999
Accuracy Desc:	Nearest second		
Owner Name:			
Location:			
Link ID:	https://dataviewers.tdec.tn.gov/dataviewers/f?p=2005:39930:::::P39930_WELL_REPORT_NUMBER:15709623		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
65	NE	0.49	2,597.58	255.85	WATER WELLS

Well No:	15709722	Work Type:	
License Code:	30	County Name:	SHELBY
Well Use:		Description:	
Driller Report ID:	1443136	Finish Type:	
Driller Tag No:		Finish from Ft:	
Well No R4:	9722	Finish to Ft:	
Quad No:	0404NE	Quality:	
Quad Name:	NORTHWEST-MEMPHIS	Casing Type:	
Quad Nth:		Latitude DD:	35.153611
Cmpltn Date:	10/8/1971, 8:00 PM	Longitude DD:	-90.018889
Cmpltn Stati Level:		Lat DD:	35
Cmpltn Tot Depth:	790	Lat MM:	9
Cmpltn Est Yield:		Lat SS:	13
Inspection Tag No:		Lon DD:	90
Inspection Date:		Lon MM:	1
Casing Ft Bel Grnd:		Lon SS:	8
WBZ:		Latitude:	350913
Q9th Orphan:		Longitude:	900108
Form Log:	N	X:	-90.018889
Accuracy:	S	Y:	35.15361100000001
Accuracy Desc:	Nearest second		
Owner Name:			
Location:			
Link ID:	https://dataviewers.tdec.tn.gov/dataviewers/f?p=2005:39930:::::P39930_WELL_REPORT_NUMBER:15709722		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
66	NW	0.50	2,644.15	246.72	WATER WELLS

Well No:	15701028	Work Type:	
License Code:	29	County Name:	SHELBY
Well Use:		Description:	
Driller Report ID:	1441852	Finish Type:	Slotted

Wells and Additional Sources Detail Report

Driller Tag No:		Finish from Ft:	494
Well No R4:	1028	Finish to Ft:	594
Quad No:	0404NE	Quality:	Good
Quad Name:	NORTHWEST-MEMPHIS	Casing Type:	Steel
Quad Nth:		Latitude DD:	35.154167
Cmpltn Date:	10/9/1973, 8:00 PM	Longitude DD:	-90.033333
Cmpltn Stati Level:	138	Lat DD:	35
Cmpltn Tot Depth:	706	Lat MM:	9
Cmpltn Est Yield:		Lat SS:	15
Inspection Tag No:		Lon DD:	90
Inspection Date:		Lon MM:	2
Casing Ft Bel Grnd:	594	Lon SS:	0
WBZ:		Latitude:	350915
Q9th Orphan:		Longitude:	900200
Form Log:	N	X:	-90.03333300000003
Accuracy:	T	Y:	35.15416699999997
Accuracy Desc:	Nearest 30 seconds		
Owner Name:			
Location:	1043 N. PARKWAY		
Link ID:	https://dataviewers.tdec.tn.gov/dataviewers/f?p=2005:39930:::::P39930_WELL_REPORT_NUMBER:15701028		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
68	S	0.52	2,732.30	252.19	WATER WELLS

Well No:	15709690	Work Type:	
License Code:	212	County Name:	SHELBY
Well Use:		Description:	
Driller Report ID:	1443108	Finish Type:	
Driller Tag No:		Finish from Ft:	
Well No R4:	9690	Finish to Ft:	
Quad No:	0404NE	Quality:	Good
Quad Name:	NORTHWEST-MEMPHIS	Casing Type:	Plastic
Quad Nth:		Latitude DD:	35.141389
Cmpltn Date:		Longitude DD:	-90.0275
Cmpltn Stati Level:		Lat DD:	35
Cmpltn Tot Depth:	80	Lat MM:	8
Cmpltn Est Yield:		Lat SS:	29
Inspection Tag No:		Lon DD:	90
Inspection Date:		Lon MM:	1
Casing Ft Bel Grnd:	80	Lon SS:	39
WBZ:		Latitude:	350829
Q9th Orphan:		Longitude:	900139
Form Log:	N	X:	-90.02749999999997
Accuracy:	S	Y:	35.141389000000004
Accuracy Desc:	Nearest second		
Owner Name:			

Wells and Additional Sources Detail Report

Location:
Link ID: https://dataviewers.tdec.tn.gov/dataviewers/f?p=2005:39930:::::P39930_WELL_REPORT_NUMBER:15709690

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
71	NE	0.53	2,790.77	252.52	WATER WELLS

Well No:	15709727	Work Type:	New Well
License Code:	740	County Name:	SHELBY
Well Use:		Description:	
Driller Report ID:	1443141	Finish Type:	
Driller Tag No:		Finish from Ft:	
Well No R4:	9727	Finish to Ft:	
Quad No:	0404NE	Quality:	
Quad Name:	NORTHWEST-MEMPHIS	Casing Type:	
Quad Nth:		Latitude DD:	35.153889
Cmpltn Date:		Longitude DD:	-90.018333
Cmpltn Stati Level:		Lat DD:	35
Cmpltn Tot Depth:	760	Lat MM:	9
Cmpltn Est Yield:		Lat SS:	14
Inspection Tag No:		Lon DD:	90
Inspection Date:		Lon MM:	1
Casing Ft Bel Grnd:		Lon SS:	6
WBZ:		Latitude:	350914
Q9th Orphan:		Longitude:	900106
Form Log:	No	X:	-90.01832712179522
Accuracy:	S	Y:	35.153882505964226
Accuracy Desc:	Nearest second		
Owner Name:			
Location:			
Link ID:	https://dataviewers.tdec.tn.gov/dataviewers/f?p=2005:39930:::::P39930_WELL_REPORT_NUMBER:15709727		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
72	NW	0.54	2,833.69	254.52	WATER WELLS

Well No:	15709612	Work Type:	
License Code:	740	County Name:	SHELBY
Well Use:		Description:	
Driller Report ID:	1443030	Finish Type:	
Driller Tag No:		Finish from Ft:	
Well No R4:	9612	Finish to Ft:	
Quad No:	0404NE	Quality:	Unknown
Quad Name:	NORTHWEST-MEMPHIS	Casing Type:	
Quad Nth:		Latitude DD:	35.156110999999996
Cmpltn Date:		Longitude DD:	-90.031667
Cmpltn Stati Level:		Lat DD:	35

Cmpltn Tot Depth:	1383	Lat MM:	9
Cmpltn Est Yield:		Lat SS:	22
Inspection Tag No:		Lon DD:	90
Inspection Date:		Lon MM:	1
Casing Ft Bel Grnd:		Lon SS:	54
WBZ:		Latitude:	350922
Q9th Orphan:		Longitude:	900154
Form Log:	N	X:	-90.03166700000003
Accuracy:	S	Y:	35.15611100000001
Accuracy Desc:	Nearest second		
Owner Name:			
Location:			
Link ID:	https://dataviewers.tdec.tn.gov/dataviewers/f?p=2005:39930:::::P39930_WELL_REPORT_NUMBER:15709612		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
72	NW	0.54	2,833.69	254.52	WATER WELLS

Well No:	15709720	Work Type:	
License Code:	740	County Name:	SHELBY
Well Use:		Description:	
Driller Report ID:	1443134	Finish Type:	
Driller Tag No:		Finish from Ft:	
Well No R4:	9720	Finish to Ft:	
Quad No:	0404NE	Quality:	
Quad Name:	NORTHWEST-MEMPHIS	Casing Type:	
Quad Nth:		Latitude DD:	35.156110999999996
Cmpltn Date:	6/18/1969, 8:00 PM	Longitude DD:	-90.031667
Cmpltn Stati Level:		Lat DD:	35
Cmpltn Tot Depth:	510	Lat MM:	9
Cmpltn Est Yield:		Lat SS:	22
Inspection Tag No:		Lon DD:	90
Inspection Date:		Lon MM:	1
Casing Ft Bel Grnd:		Lon SS:	54
WBZ:		Latitude:	350922
Q9th Orphan:		Longitude:	900154
Form Log:	N	X:	-90.03166700000003
Accuracy:	S	Y:	35.15611100000001
Accuracy Desc:	Nearest second		
Owner Name:			
Location:			
Link ID:	https://dataviewers.tdec.tn.gov/dataviewers/f?p=2005:39930:::::P39930_WELL_REPORT_NUMBER:15709720		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
76	NW	0.55	2,880.23	251.32	WATER WELLS

Wells and Additional Sources Detail Report

Well No:	15709658	Work Type:	
License Code:	740	County Name:	SHELBY
Well Use:		Description:	
Driller Report ID:	1443076	Finish Type:	
Driller Tag No:		Finish from Ft:	
Well No R4:	9658	Finish to Ft:	
Quad No:	0404NE	Quality:	
Quad Name:	NORTHWEST-MEMPHIS	Casing Type:	
Quad Nth:		Latitude DD:	35.156110999999996
Cmpltn Date:		Longitude DD:	-90.031944
Cmpltn Stati Level:		Lat DD:	35
Cmpltn Tot Depth:	472	Lat MM:	9
Cmpltn Est Yield:		Lat SS:	22
Inspection Tag No:		Lon DD:	90
Inspection Date:		Lon MM:	1
Casing Ft Bel Grnd:		Lon SS:	55
WBZ:		Latitude:	350922
Q9th Orphan:		Longitude:	900155
Form Log:	N	X:	-90.03194400000001
Accuracy:	S	Y:	35.15611100000001
Accuracy Desc:	Nearest second		
Owner Name:			
Location:			
Link ID:	https://dataviewers.tdec.tn.gov/dataviewers/f?p=2005:39930:::::P39930_WELL_REPORT_NUMBER:15709658		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
80	ENE	0.59	3,092.02	246.74	WATER WELLS

Well No:	15709625	Work Type:	
License Code:	740	County Name:	SHELBY
Well Use:		Description:	
Driller Report ID:	1443043	Finish Type:	
Driller Tag No:		Finish from Ft:	
Well No R4:	9625	Finish to Ft:	
Quad No:	0404NE	Quality:	Good
Quad Name:	NORTHWEST-MEMPHIS	Casing Type:	
Quad Nth:		Latitude DD:	35.153611
Cmpltn Date:		Longitude DD:	-90.016944
Cmpltn Stati Level:		Lat DD:	35
Cmpltn Tot Depth:		Lat MM:	9
Cmpltn Est Yield:		Lat SS:	13
Inspection Tag No:		Lon DD:	90
Inspection Date:		Lon MM:	1
Casing Ft Bel Grnd:		Lon SS:	1
WBZ:		Latitude:	350913
Q9th Orphan:		Longitude:	900101

Form Log:	N	X:	-90.01694400000002
Accuracy:	S	Y:	35.15361100000001
Accuracy Desc:	Nearest second		
Owner Name:			
Location:			
Link ID:	https://dataviewers.tdec.tn.gov/dataviewers/f?p=2005:39930:::::P39930_WELL_REPORT_NUMBER:15709625		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
81	ENE	0.60	3,142.18	244.54	WATER WELLS

Well No:	15709660	Work Type:	
License Code:	740	County Name:	SHELBY
Well Use:		Description:	
Driller Report ID:	1443078	Finish Type:	
Driller Tag No:		Finish from Ft:	
Well No R4:	9660	Finish to Ft:	
Quad No:	0404NE	Quality:	
Quad Name:	NORTHWEST-MEMPHIS	Casing Type:	
Quad Nth:		Latitude DD:	35.153889
Cmpltn Date:		Longitude DD:	-90.016944
Cmpltn Stati Level:	51	Lat DD:	35
Cmpltn Tot Depth:	1376	Lat MM:	9
Cmpltn Est Yield:		Lat SS:	14
Inspection Tag No:		Lon DD:	90
Inspection Date:		Lon MM:	1
Casing Ft Bel Grnd:		Lon SS:	1
WBZ:		Latitude:	350914
Q9th Orphan:		Longitude:	900101
Form Log:	N	X:	-90.01694400000002
Accuracy:	S	Y:	35.15388899999999
Accuracy Desc:	Nearest second		
Owner Name:			
Location:			
Link ID:	https://dataviewers.tdec.tn.gov/dataviewers/f?p=2005:39930:::::P39930_WELL_REPORT_NUMBER:15709660		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
82	ENE	0.60	3,164.54	245.67	WATER WELLS

Well No:	15709626	Work Type:	
License Code:	740	County Name:	SHELBY
Well Use:		Description:	
Driller Report ID:	1443044	Finish Type:	
Driller Tag No:		Finish from Ft:	
Well No R4:	9626	Finish to Ft:	
Quad No:	0404NE	Quality:	Good

Wells and Additional Sources Detail Report

Quad Name:	NORTHWEST-MEMPHIS	Casing Type:	
Quad Nth:		Latitude DD:	35.153611
Cmpltn Date:	4/27/1941, 8:00 PM	Longitude DD:	-90.016667
Cmpltn Stati Level:	85	Lat DD:	35
Cmpltn Tot Depth:	490	Lat MM:	9
Cmpltn Est Yield:		Lat SS:	13
Inspection Tag No:		Lon DD:	90
Inspection Date:		Lon MM:	1
Casing Ft Bel Grnd:		Lon SS:	0
WBZ:		Latitude:	350913
Q9th Orphan:		Longitude:	900100
Form Log:	N	X:	-90.01666699999998
Accuracy:	S	Y:	35.15361100000001
Accuracy Desc:	Nearest second		
Owner Name:			
Location:			
Link ID:	https://dataviewers.tdec.tn.gov/dataviewers/f?p=2005:39930:::::P39930_WELL_REPORT_NUMBER:15709626		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
83	NE	0.62	3,265.21	243.84	WATER WELLS

Well No:	15701037	Work Type:	
License Code:	30	County Name:	SHELBY
Well Use:		Description:	
Driller Report ID:	1441861	Finish Type:	Screen
Driller Tag No:		Finish from Ft:	430
Well No R4:	1037	Finish to Ft:	510
Quad No:	0404NE	Quality:	Good
Quad Name:	NORTHWEST-MEMPHIS	Casing Type:	Steel
Quad Nth:	9	Latitude DD:	35.154167
Cmpltn Date:		Longitude DD:	-90.016667
Cmpltn Stati Level:	120	Lat DD:	35
Cmpltn Tot Depth:	512	Lat MM:	9
Cmpltn Est Yield:	2500	Lat SS:	15
Inspection Tag No:		Lon DD:	90
Inspection Date:		Lon MM:	1
Casing Ft Bel Grnd:	421	Lon SS:	0
WBZ:		Latitude:	350915
Q9th Orphan:		Longitude:	900100
Form Log:	N	X:	-90.01666699999998
Accuracy:	F	Y:	35.15416699999997
Accuracy Desc:	Nearest 15 seconds		
Owner Name:			
Location:	WATKINS AT LENRR		
Link ID:	https://dataviewers.tdec.tn.gov/dataviewers/f?p=2005:39930:::::P39930_WELL_REPORT_NUMBER:15701037		

Wells and Additional Sources Detail Report

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
83	NE	0.62	3,265.21	243.84	WATER WELLS

Well No:	15701029	Work Type:	
License Code:	29	County Name:	SHELBY
Well Use:		Description:	
Driller Report ID:	1441853	Finish Type:	Slotted
Driller Tag No:		Finish from Ft:	672
Well No R4:	1029	Finish to Ft:	772
Quad No:	0404NE	Quality:	
Quad Name:	NORTHWEST-MEMPHIS	Casing Type:	Steel
Quad Nth:		Latitude DD:	35.154167
Cmpltn Date:	8/23/1973, 8:00 PM	Longitude DD:	-90.016667
Cmpltn Stati Level:	138	Lat DD:	35
Cmpltn Tot Depth:	772	Lat MM:	9
Cmpltn Est Yield:		Lat SS:	15
Inspection Tag No:		Lon DD:	90
Inspection Date:		Lon MM:	1
Casing Ft Bel Grnd:	650	Lon SS:	0
WBZ:		Latitude:	350915
Q9th Orphan:		Longitude:	900100
Form Log:	N	X:	-90.01666699999998
Accuracy:	F	Y:	35.15416699999997
Accuracy Desc:	Nearest 15 seconds		
Owner Name:			
Location:	1293 CLAYBROOK		
Link ID:	https://dataviewers.tdec.tn.gov/dataviewers/f?p=2005:39930:::::P39930_WELL_REPORT_NUMBER:15701029		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
83	NE	0.62	3,265.21	243.84	WATER WELLS

Well No:	15701030	Work Type:	
License Code:	29	County Name:	SHELBY
Well Use:		Description:	
Driller Report ID:	1441854	Finish Type:	Slotted
Driller Tag No:		Finish from Ft:	679
Well No R4:	1030	Finish to Ft:	779
Quad No:	0404NE	Quality:	Good
Quad Name:	NORTHWEST-MEMPHIS	Casing Type:	Steel
Quad Nth:		Latitude DD:	35.154167
Cmpltn Date:	7/19/1973, 8:00 PM	Longitude DD:	-90.016667
Cmpltn Stati Level:	133	Lat DD:	35
Cmpltn Tot Depth:	779	Lat MM:	9
Cmpltn Est Yield:		Lat SS:	15
Inspection Tag No:		Lon DD:	90

Inspection Date:		Lon MM:	1
Casing Ft Bel Grnd:	647	Lon SS:	0
WBZ:		Latitude:	350915
Q9th Orphan:		Longitude:	900100
Form Log:	N	X:	-90.01666699999998
Accuracy:	F	Y:	35.15416699999997
Accuracy Desc:	Nearest 15 seconds		
Owner Name:			
Location:	PARKWAY/WATKINS		
Link ID:	https://dataviewers.tdec.tn.gov/dataviewers/f?p=2005:39930:::::P39930_WELL_REPORT_NUMBER:15701030		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
85	ENE	0.63	3,341.74	240.34	WATER WELLS

Well No:	15709715	Work Type:	
License Code:	29	County Name:	SHELBY
Well Use:		Description:	
Driller Report ID:	1443129	Finish Type:	
Driller Tag No:		Finish from Ft:	
Well No R4:	9715	Finish to Ft:	
Quad No:	0404NE	Quality:	
Quad Name:	NORTHWEST-MEMPHIS	Casing Type:	
Quad Nth:		Latitude DD:	35.153332999999996
Cmpltn Date:	7/24/1973, 8:00 PM	Longitude DD:	-90.015833
Cmpltn Stati Level:		Lat DD:	35
Cmpltn Tot Depth:	818	Lat MM:	9
Cmpltn Est Yield:		Lat SS:	12
Inspection Tag No:		Lon DD:	90
Inspection Date:		Lon MM:	0
Casing Ft Bel Grnd:		Lon SS:	57
WBZ:		Latitude:	350912
Q9th Orphan:		Longitude:	900057
Form Log:	N	X:	-90.01583299999999
Accuracy:	S	Y:	35.153332999999975
Accuracy Desc:	Nearest second		
Owner Name:			
Location:			
Link ID:	https://dataviewers.tdec.tn.gov/dataviewers/f?p=2005:39930:::::P39930_WELL_REPORT_NUMBER:15709715		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
86	ENE	0.65	3,417.02	240.23	WATER WELLS

Well No:	15709628	Work Type:	
License Code:	740	County Name:	SHELBY
Well Use:		Description:	

Driller Report ID:	1443046	Finish Type:	
Driller Tag No:		Finish from Ft:	
Well No R4:	9628	Finish to Ft:	
Quad No:	0404NE	Quality:	Good
Quad Name:	NORTHWEST-MEMPHIS	Casing Type:	
Quad Nth:		Latitude DD:	35.153332999999996
Cmpltn Date:		Longitude DD:	-90.01555599999999
Cmpltn Stati Level:	87	Lat DD:	35
Cmpltn Tot Depth:	521	Lat MM:	9
Cmpltn Est Yield:		Lat SS:	12
Inspection Tag No:		Lon DD:	90
Inspection Date:		Lon MM:	0
Casing Ft Bel Grnd:		Lon SS:	56
WBZ:		Latitude:	350912
Q9th Orphan:		Longitude:	900056
Form Log:	N	X:	-90.015556
Accuracy:	S	Y:	35.153332999999975
Accuracy Desc:	Nearest second		
Owner Name:			
Location:			
Link ID:	https://dataviewers.tdec.tn.gov/dataviewers/f?p=2005:39930:::::P39930_WELL_REPORT_NUMBER:15709628		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
87	ENE	0.66	3,492.91	240.34	WATER WELLS

Well No:	15709627	Work Type:	
License Code:	740	County Name:	SHELBY
Well Use:		Description:	
Driller Report ID:	1443045	Finish Type:	
Driller Tag No:		Finish from Ft:	
Well No R4:	9627	Finish to Ft:	
Quad No:	0404NE	Quality:	Good
Quad Name:	NORTHWEST-MEMPHIS	Casing Type:	
Quad Nth:		Latitude DD:	35.153332999999996
Cmpltn Date:		Longitude DD:	-90.015278
Cmpltn Stati Level:		Lat DD:	35
Cmpltn Tot Depth:	532	Lat MM:	9
Cmpltn Est Yield:		Lat SS:	12
Inspection Tag No:		Lon DD:	90
Inspection Date:		Lon MM:	0
Casing Ft Bel Grnd:		Lon SS:	55
WBZ:		Latitude:	350912
Q9th Orphan:		Longitude:	900055
Form Log:	N	X:	-90.01527800000002
Accuracy:	S	Y:	35.153332999999975
Accuracy Desc:	Nearest second		

Wells and Additional Sources Detail Report

Owner Name:
Location:
Link ID: https://dataviewers.tdec.tn.gov/dataviewers/f?p=2005:39930:::::P39930_WELL_REPORT_NUMBER:15709627

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
88	SSW	0.68	3,613.88	263.09	WATER WELLS

Well No:	15709504	Work Type:	New Well
License Code:	29	County Name:	SHELBY
Well Use:	Commercial	Description:	
Driller Report ID:	1442925	Finish Type:	
Driller Tag No:		Finish from Ft:	
Well No R4:	9504	Finish to Ft:	
Quad No:	0404NE	Quality:	Unknown
Quad Name:	NORTHWEST-MEMPHIS	Casing Type:	
Quad Nth:		Latitude DD:	35.139722
Cmpltn Date:		Longitude DD:	-90.031389
Cmpltn Stati Level:	77	Lat DD:	35
Cmpltn Tot Depth:	490	Lat MM:	8
Cmpltn Est Yield:		Lat SS:	23
Inspection Tag No:		Lon DD:	90
Inspection Date:		Lon MM:	1
Casing Ft Bel Grnd:		Lon SS:	53
WBZ:		Latitude:	350823
Q9th Orphan:		Longitude:	900153
Form Log:	No	X:	-90.0313831191208
Accuracy:	S	Y:	35.13971550932898
Accuracy Desc:	Nearest second		
Owner Name:			
Location:			
Link ID:	https://dataviewers.tdec.tn.gov/dataviewers/f?p=2005:39930:::::P39930_WELL_REPORT_NUMBER:15709504		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
90	N	0.70	3,691.93	254.42	WATER WELLS

Well No:	15709667	Work Type:	
License Code:	29	County Name:	SHELBY
Well Use:		Description:	
Driller Report ID:	1443085	Finish Type:	
Driller Tag No:		Finish from Ft:	
Well No R4:	9667	Finish to Ft:	
Quad No:	0404NE	Quality:	Good
Quad Name:	NORTHWEST-MEMPHIS	Casing Type:	
Quad Nth:		Latitude DD:	35.159721999999995
Cmpltn Date:	4/15/1948, 7:00 PM	Longitude DD:	-90.0275

Cmpltn Stati Level:		Lat DD:	35
Cmpltn Tot Depth:	572	Lat MM:	9
Cmpltn Est Yield:		Lat SS:	35
Inspection Tag No:		Lon DD:	90
Inspection Date:		Lon MM:	1
Casing Ft Bel Grnd:		Lon SS:	39
WBZ:		Latitude:	350935
Q9th Orphan:		Longitude:	900139
Form Log:	N	X:	-90.02749999999997
Accuracy:	S	Y:	35.15972199999999
Accuracy Desc:	Nearest second		
Owner Name:			
Location:			
Link ID:	https://dataviewers.tdec.tn.gov/dataviewers/f?p=2005:39930:::::P39930_WELL_REPORT_NUMBER:15709667		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
90	N	0.70	3,691.93	254.42	WATER WELLS

Well No:	20041112	Work Type:	
License Code:	29	County Name:	SHELBY
Well Use:		Description:	
Driller Report ID:	1491830	Finish Type:	Screen
Driller Tag No:	D0066954	Finish from Ft:	485
Well No R4:	1112	Finish to Ft:	595
Quad No:	0404NE	Quality:	Clear
Quad Name:	NORTHWEST-MEMPHIS	Casing Type:	Steel
Quad Nth:	9	Latitude DD:	35.159721999999995
Cmpltn Date:	3/31/2004, 7:00 PM	Longitude DD:	-90.0275
Cmpltn Stati Level:	100	Lat DD:	35
Cmpltn Tot Depth:	601	Lat MM:	9
Cmpltn Est Yield:	1400	Lat SS:	35
Inspection Tag No:		Lon DD:	90
Inspection Date:		Lon MM:	1
Casing Ft Bel Grnd:	480	Lon SS:	39
WBZ:		Latitude:	350935
Q9th Orphan:		Longitude:	900139
Form Log:	Y	X:	-90.02749999999997
Accuracy:		Y:	35.15972199999999
Accuracy Desc:			
Owner Name:			
Location:	720 AYERS STREET		
Link ID:	https://dataviewers.tdec.tn.gov/dataviewers/f?p=2005:39930:::::P39930_WELL_REPORT_NUMBER:20041112		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
93	ENE	0.71	3,773.63	241.38	WATER WELLS

Well No:	15709719	Work Type:	
License Code:	740	County Name:	SHELBY
Well Use:		Description:	
Driller Report ID:	1443133	Finish Type:	
Driller Tag No:		Finish from Ft:	
Well No R4:	9719	Finish to Ft:	
Quad No:	0404NE	Quality:	
Quad Name:	NORTHWEST-MEMPHIS	Casing Type:	
Quad Nth:		Latitude DD:	35.154167
Cmpltn Date:		Longitude DD:	-90.01472199999999
Cmpltn Stati Level:		Lat DD:	35
Cmpltn Tot Depth:	530	Lat MM:	9
Cmpltn Est Yield:		Lat SS:	15
Inspection Tag No:		Lon DD:	90
Inspection Date:		Lon MM:	0
Casing Ft Bel Grnd:		Lon SS:	53
WBZ:		Latitude:	350915
Q9th Orphan:		Longitude:	900053
Form Log:	N	X:	-90.014722
Accuracy:	S	Y:	35.15416699999997
Accuracy Desc:	Nearest second		
Owner Name:			
Location:			
Link ID:	https://dataviewers.tdec.tn.gov/dataviewers/f?p=2005:39930:::::P39930_WELL_REPORT_NUMBER:15709719		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
93	ENE	0.71	3,773.63	241.38	WATER WELLS

Well No:	15709723	Work Type:	
License Code:	30	County Name:	SHELBY
Well Use:		Description:	
Driller Report ID:	1443137	Finish Type:	
Driller Tag No:		Finish from Ft:	
Well No R4:	9723	Finish to Ft:	
Quad No:	0404NE	Quality:	
Quad Name:	NORTHWEST-MEMPHIS	Casing Type:	
Quad Nth:		Latitude DD:	35.154167
Cmpltn Date:	11/14/1971, 7:00 PM	Longitude DD:	-90.01472199999999
Cmpltn Stati Level:		Lat DD:	35
Cmpltn Tot Depth:	761	Lat MM:	9
Cmpltn Est Yield:		Lat SS:	15
Inspection Tag No:		Lon DD:	90
Inspection Date:		Lon MM:	0
Casing Ft Bel Grnd:		Lon SS:	53
WBZ:		Latitude:	350915

Q9th Orphan:		Longitude:	900053
Form Log:	N	X:	-90.014722
Accuracy:	S	Y:	35.15416699999997
Accuracy Desc:	Nearest second		
Owner Name:			
Location:			
Link ID:	https://dataviewers.tdec.tn.gov/dataviewers/f?p=2005:39930:::::P39930_WELL_REPORT_NUMBER:15709723		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
97	ENE	0.74	3,922.22	243.13	WATER WELLS

Well No:	15709630	Work Type:	
License Code:	740	County Name:	SHELBY
Well Use:		Description:	
Driller Report ID:	1443048	Finish Type:	
Driller Tag No:		Finish from Ft:	
Well No R4:	9630	Finish to Ft:	
Quad No:	0404NE	Quality:	Good
Quad Name:	NORTHWEST-MEMPHIS	Casing Type:	
Quad Nth:		Latitude DD:	35.154167
Cmpltn Date:		Longitude DD:	-90.014167
Cmpltn Stati Level:	72	Lat DD:	35
Cmpltn Tot Depth:	484	Lat MM:	9
Cmpltn Est Yield:		Lat SS:	15
Inspection Tag No:		Lon DD:	90
Inspection Date:		Lon MM:	0
Casing Ft Bel Grnd:		Lon SS:	51
WBZ:		Latitude:	350915
Q9th Orphan:		Longitude:	900051
Form Log:	N	X:	-90.01416699999999
Accuracy:	S	Y:	35.15416699999997
Accuracy Desc:	Nearest second		
Owner Name:			
Location:			
Link ID:	https://dataviewers.tdec.tn.gov/dataviewers/f?p=2005:39930:::::P39930_WELL_REPORT_NUMBER:15709630		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
98	ENE	0.75	3,954.13	246.16	WATER WELLS

Well No:	15709714	Work Type:	
License Code:	29	County Name:	SHELBY
Well Use:		Description:	
Driller Report ID:	1443128	Finish Type:	
Driller Tag No:		Finish from Ft:	
Well No R4:	9714	Finish to Ft:	

Wells and Additional Sources Detail Report

Quad No:	0404NE	Quality:	
Quad Name:	NORTHWEST-MEMPHIS	Casing Type:	
Quad Nth:		Latitude DD:	35.153332999999996
Cmpltn Date:	6/28/1973, 8:00 PM	Longitude DD:	-90.013611
Cmpltn Stati Level:		Lat DD:	35
Cmpltn Tot Depth:	830	Lat MM:	9
Cmpltn Est Yield:		Lat SS:	12
Inspection Tag No:		Lon DD:	90
Inspection Date:		Lon MM:	0
Casing Ft Bel Grnd:		Lon SS:	49
WBZ:		Latitude:	350912
Q9th Orphan:		Longitude:	900049
Form Log:	N	X:	-90.01361100000003
Accuracy:	S	Y:	35.153332999999975
Accuracy Desc:	Nearest second		
Owner Name:			
Location:			
Link ID:	https://dataviewers.tdec.tn.gov/dataviewers/f?p=2005:39930:::::P39930_WELL_REPORT_NUMBER:15709714		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
100	ENE	0.76	3,997.16	243.06	WATER WELLS

Well No:	15709629	Work Type:	
License Code:	740	County Name:	SHELBY
Well Use:		Description:	
Driller Report ID:	1443047	Finish Type:	
Driller Tag No:		Finish from Ft:	
Well No R4:	9629	Finish to Ft:	
Quad No:	0404NE	Quality:	Good
Quad Name:	NORTHWEST-MEMPHIS	Casing Type:	
Quad Nth:		Latitude DD:	35.154167
Cmpltn Date:		Longitude DD:	-90.01388899999999
Cmpltn Stati Level:		Lat DD:	35
Cmpltn Tot Depth:	495	Lat MM:	9
Cmpltn Est Yield:		Lat SS:	15
Inspection Tag No:		Lon DD:	90
Inspection Date:		Lon MM:	0
Casing Ft Bel Grnd:		Lon SS:	50
WBZ:		Latitude:	350915
Q9th Orphan:		Longitude:	900050
Form Log:	N	X:	-90.013889
Accuracy:	S	Y:	35.15416699999997
Accuracy Desc:	Nearest second		
Owner Name:			
Location:			
Link ID:	https://dataviewers.tdec.tn.gov/dataviewers/f?p=2005:39930:::::P39930_WELL_REPORT_NUMBER:15709629		

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Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
102	ENE	0.77	4,076.58	249.40	WATER WELLS

Well No:	15709581	Work Type:	New Well
License Code:	29	County Name:	SHELBY
Well Use:	Commercial	Description:	
Driller Report ID:	1443001	Finish Type:	
Driller Tag No:		Finish from Ft:	
Well No R4:	9581	Finish to Ft:	
Quad No:	0404NE	Quality:	
Quad Name:	NORTHWEST-MEMPHIS	Casing Type:	
Quad Nth:		Latitude DD:	35.153056
Cmpltn Date:		Longitude DD:	-90.013056
Cmpltn Stati Level:	61	Lat DD:	35
Cmpltn Tot Depth:	526	Lat MM:	9
Cmpltn Est Yield:		Lat SS:	11
Inspection Tag No:		Lon DD:	90
Inspection Date:		Lon MM:	0
Casing Ft Bel Grnd:		Lon SS:	47
WBZ:		Latitude:	350911
Q9th Orphan:		Longitude:	900047
Form Log:	No	X:	-90.01305012330789
Accuracy:	S	Y:	35.15304950589375
Accuracy Desc:	Nearest second		
Owner Name:			
Location:			
Link ID:	https://dataviewers.tdec.tn.gov/dataviewers/f?p=2005:39930:::::P39930_WELL_REPORT_NUMBER:15709581		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
102	ENE	0.77	4,076.58	249.40	WATER WELLS

Well No:	20161086	Work Type:	New Well
License Code:	1024	County Name:	SHELBY
Well Use:	Commercial	Description:	
Driller Report ID:	1537747	Finish Type:	
Driller Tag No:	BA3466	Finish from Ft:	646
Well No R4:	1086	Finish to Ft:	746
Quad No:	0404NE	Quality:	
Quad Name:	NORTHWEST-MEMPHIS	Casing Type:	
Quad Nth:	3	Latitude DD:	35.153056
Cmpltn Date:	2016-04-22 06:00:00 UTC	Longitude DD:	-90.013056
Cmpltn Stati Level:		Lat DD:	35
Cmpltn Tot Depth:	746	Lat MM:	9
Cmpltn Est Yield:		Lat SS:	11

Inspection Tag No:		Lon DD:	90
Inspection Date:		Lon MM:	0
Casing Ft Bel Grnd:	641	Lon SS:	47
WBZ:		Latitude:	350911
Q9th Orphan:		Longitude:	900047
Form Log:	No	X:	-90.01305012330789
Accuracy:		Y:	35.15304950589375
Accuracy Desc:			
Owner Name:			
Location:	1377 NORTH PARKWAY AVE		
Link ID:	https://dataviewers.tdec.tn.gov/dataviewers/f?p=2005:39930:::::P39930_WELL_REPORT_NUMBER:20161086		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
102	ENE	0.77	4,076.58	247.49	WATER WELLS

Well No:	20172132	Work Type:	
License Code:	1024	County Name:	SHELBY
Well Use:		Description:	
Driller Report ID:	1542099	Finish Type:	Screen
Driller Tag No:	D0107866	Finish from Ft:	580
Well No R4:	2132	Finish to Ft:	680
Quad No:	0404NE	Quality:	Clear
Quad Name:	NORTHWEST-MEMPHIS	Casing Type:	Steel
Quad Nth:	9	Latitude DD:	35.153056
Cmpltn Date:	11/16/2017, 7:00 PM	Longitude DD:	-90.01305599999999
Cmpltn Stati Level:	90	Lat DD:	35
Cmpltn Tot Depth:	680	Lat MM:	9
Cmpltn Est Yield:	1400	Lat SS:	11
Inspection Tag No:		Lon DD:	90
Inspection Date:		Lon MM:	0
Casing Ft Bel Grnd:	575	Lon SS:	47
WBZ:		Latitude:	350911
Q9th Orphan:		Longitude:	900047
Form Log:	Y	X:	-90.013056
Accuracy:		Y:	35.15305599999999
Accuracy Desc:			
Owner Name:			
Location:	1377 NORHT PARKWAY		
Link ID:	https://dataviewers.tdec.tn.gov/dataviewers/f?p=2005:39930:::::P39930_WELL_REPORT_NUMBER:20172132		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
103	ENE	0.78	4,109.62	246.02	WATER WELLS

Well No:	15709631	Work Type:	
License Code:	740	County Name:	SHELBY

Wells and Additional Sources Detail Report

Well Use:		Description:	
Driller Report ID:	1443049	Finish Type:	
Driller Tag No:		Finish from Ft:	
Well No R4:	9631	Finish to Ft:	
Quad No:	0404NE	Quality:	Unknown
Quad Name:	NORTHWEST-MEMPHIS	Casing Type:	
Quad Nth:		Latitude DD:	35.153332999999996
Cmpltn Date:		Longitude DD:	-90.01305599999999
Cmpltn Stati Level:		Lat DD:	35
Cmpltn Tot Depth:	527	Lat MM:	9
Cmpltn Est Yield:		Lat SS:	12
Inspection Tag No:		Lon DD:	90
Inspection Date:		Lon MM:	0
Casing Ft Bel Grnd:		Lon SS:	47
WBZ:		Latitude:	350912
Q9th Orphan:		Longitude:	900047
Form Log:	N	X:	-90.013056
Accuracy:	S	Y:	35.153332999999975
Accuracy Desc:	Nearest second		
Owner Name:			
Location:			
Link ID:	https://dataviewers.tdec.tn.gov/dataviewers/f?p=2005:39930:::::P39930_WELL_REPORT_NUMBER:15709631		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
104	SW	0.78	4,101.07	255.32	WATER WELLS

Well No:	15709549	Work Type:	New Well
License Code:	740	County Name:	SHELBY
Well Use:	Residential	Description:	
Driller Report ID:	1442970	Finish Type:	
Driller Tag No:		Finish from Ft:	
Well No R4:	9549	Finish to Ft:	
Quad No:	0404NE	Quality:	Good
Quad Name:	NORTHWEST-MEMPHIS	Casing Type:	
Quad Nth:		Latitude DD:	35.141667
Cmpltn Date:	1946-05-11 06:00:00 UTC	Longitude DD:	-90.037222
Cmpltn Stati Level:		Lat DD:	35
Cmpltn Tot Depth:	408	Lat MM:	8
Cmpltn Est Yield:		Lat SS:	30
Inspection Tag No:		Lon DD:	90
Inspection Date:		Lon MM:	2
Casing Ft Bel Grnd:		Lon SS:	14
WBZ:		Latitude:	350830
Q9th Orphan:		Longitude:	900214
Form Log:	No	X:	-90.03721611738183
Accuracy:	S	Y:	35.141660509205394

Accuracy Desc:	Nearest second
Owner Name:	
Location:	
Link ID:	https://dataviewers.tdec.tn.gov/dataviewers/f?p=2005:39930:::::P39930_WELL_REPORT_NUMBER:15709549

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
105	SW	0.78	4,104.02	256.13	WATER WELLS

Well No:	15709548	Work Type:	New Well
License Code:	740	County Name:	SHELBY
Well Use:	Industrial	Description:	
Driller Report ID:	1442969	Finish Type:	
Driller Tag No:		Finish from Ft:	
Well No R4:	9548	Finish to Ft:	
Quad No:	0404NE	Quality:	Good
Quad Name:	NORTHWEST-MEMPHIS	Casing Type:	
Quad Nth:		Latitude DD:	35.141389
Cmpltn Date:		Longitude DD:	-90.036944
Cmpltn Stati Level:		Lat DD:	35
Cmpltn Tot Depth:	473	Lat MM:	8
Cmpltn Est Yield:		Lat SS:	29
Inspection Tag No:		Lon DD:	90
Inspection Date:		Lon MM:	2
Casing Ft Bel Grnd:		Lon SS:	13
WBZ:		Latitude:	350829
Q9th Orphan:		Longitude:	900213
Form Log:	No	X:	-90.03693811747692
Accuracy:	S	Y:	35.141382509247734
Accuracy Desc:	Nearest second		
Owner Name:			
Location:			
Link ID:	https://dataviewers.tdec.tn.gov/dataviewers/f?p=2005:39930:::::P39930_WELL_REPORT_NUMBER:15709548		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
106	ENE	0.79	4,145.47	242.10	WATER WELLS

Well No:	15709632	Work Type:	
License Code:	740	County Name:	SHELBY
Well Use:		Description:	
Driller Report ID:	1443050	Finish Type:	
Driller Tag No:		Finish from Ft:	
Well No R4:	9632	Finish to Ft:	
Quad No:	0404NE	Quality:	Good
Quad Name:	NORTHWEST-MEMPHIS	Casing Type:	
Quad Nth:		Latitude DD:	35.153611

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Cmpltn Date:		Longitude DD:	-90.01305599999999
Cmpltn Stati Level:	78	Lat DD:	35
Cmpltn Tot Depth:	494	Lat MM:	9
Cmpltn Est Yield:		Lat SS:	13
Inspection Tag No:		Lon DD:	90
Inspection Date:		Lon MM:	0
Casing Ft Bel Grnd:		Lon SS:	47
WBZ:		Latitude:	350913
Q9th Orphan:		Longitude:	900047
Form Log:	N	X:	-90.013056
Accuracy:	S	Y:	35.15361100000001
Accuracy Desc:	Nearest second		
Owner Name:			
Location:			
Link ID:	https://dataviewers.tdec.tn.gov/dataviewers/f?p=2005:39930:::::P39930_WELL_REPORT_NUMBER:15709632		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
107	ENE	0.79	4,187.81	247.84	WATER WELLS

Well No:	15709665	Work Type:	
License Code:	740	County Name:	SHELBY
Well Use:		Description:	
Driller Report ID:	1443083	Finish Type:	
Driller Tag No:		Finish from Ft:	
Well No R4:	9665	Finish to Ft:	
Quad No:	0404NE	Quality:	Good
Quad Name:	NORTHWEST-MEMPHIS	Casing Type:	
Quad Nth:		Latitude DD:	35.153332999999996
Cmpltn Date:	12/14/1945, 7:00 PM	Longitude DD:	-90.012778
Cmpltn Stati Level:	61	Lat DD:	35
Cmpltn Tot Depth:	1373	Lat MM:	9
Cmpltn Est Yield:		Lat SS:	12
Inspection Tag No:		Lon DD:	90
Inspection Date:		Lon MM:	0
Casing Ft Bel Grnd:		Lon SS:	46
WBZ:		Latitude:	350912
Q9th Orphan:		Longitude:	900046
Form Log:	N	X:	-90.01277800000003
Accuracy:	S	Y:	35.153332999999975
Accuracy Desc:	Nearest second		
Owner Name:			
Location:			
Link ID:	https://dataviewers.tdec.tn.gov/dataviewers/f?p=2005:39930:::::P39930_WELL_REPORT_NUMBER:15709665		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
111	NE	0.81	4,254.84	234.93	WATER WELLS

Well No:	15709600	Work Type:	New Well
License Code:	740	County Name:	SHELBY
Well Use:	Industrial	Description:	
Driller Report ID:	1443019	Finish Type:	
Driller Tag No:		Finish from Ft:	
Well No R4:	9600	Finish to Ft:	
Quad No:	0404NE	Quality:	Good
Quad Name:	NORTHWEST-MEMPHIS	Casing Type:	Steel
Quad Nth:		Latitude DD:	35.158333
Cmpltn Date:		Longitude DD:	-90.016667
Cmpltn Stati Level:	4	Lat DD:	35
Cmpltn Tot Depth:	108	Lat MM:	9
Cmpltn Est Yield:		Lat SS:	30
Inspection Tag No:		Lon DD:	90
Inspection Date:		Lon MM:	1
Casing Ft Bel Grnd:		Lon SS:	0
WBZ:		Latitude:	350930
Q9th Orphan:	Yes	Longitude:	900100
Form Log:	No	X:	-90.01666112196295
Accuracy:	S	Y:	35.15832650501668
Accuracy Desc:	Nearest second		
Owner Name:			
Location:			
Link ID:	https://dataviewers.tdec.tn.gov/dataviewers/f?p=2005:39930:::::P39930_WELL_REPORT_NUMBER:15709600		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
112	ENE	0.81	4,283.35	249.48	WATER WELLS

Well No:	15709729	Work Type:	
License Code:	30	County Name:	SHELBY
Well Use:		Description:	
Driller Report ID:	1443143	Finish Type:	
Driller Tag No:		Finish from Ft:	
Well No R4:	9729	Finish to Ft:	
Quad No:	0404NE	Quality:	
Quad Name:	NORTHWEST-MEMPHIS	Casing Type:	
Quad Nth:		Latitude DD:	35.152778
Cmpltn Date:	6/1/1972, 8:00 PM	Longitude DD:	-90.012222
Cmpltn Stati Level:		Lat DD:	35
Cmpltn Tot Depth:	614	Lat MM:	9
Cmpltn Est Yield:		Lat SS:	10
Inspection Tag No:		Lon DD:	90
Inspection Date:		Lon MM:	0
Casing Ft Bel Grnd:		Lon SS:	44

WBZ:		Latitude:	350910
Q9th Orphan:		Longitude:	900044
Form Log:	N	X:	-90.01222200000001
Accuracy:	S	Y:	35.15277800000001
Accuracy Desc:	Nearest second		
Owner Name:			
Location:			
Link ID:	https://dataviewers.tdec.tn.gov/dataviewers/f?p=2005:39930:::::P39930_WELL_REPORT_NUMBER:15709729		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
113	ENE	0.83	4,376.05	245.79	WATER WELLS

Well No:	15701036	Work Type:	
License Code:	30	County Name:	SHELBY
Well Use:		Description:	
Driller Report ID:	1441860	Finish Type:	Screen
Driller Tag No:		Finish from Ft:	419
Well No R4:	1036	Finish to Ft:	509
Quad No:	0404NE	Quality:	Good
Quad Name:	NORTHWEST-MEMPHIS	Casing Type:	Steel
Quad Nth:	9	Latitude DD:	35.154167
Cmpltn Date:		Longitude DD:	-90.0125
Cmpltn Stati Level:	130	Lat DD:	35
Cmpltn Tot Depth:	512	Lat MM:	9
Cmpltn Est Yield:	2500	Lat SS:	15
Inspection Tag No:		Lon DD:	90
Inspection Date:		Lon MM:	0
Casing Ft Bel Grnd:	412	Lon SS:	45
WBZ:		Latitude:	350915
Q9th Orphan:		Longitude:	900045
Form Log:	N	X:	-90.01249999999999
Accuracy:	F	Y:	35.15416699999997
Accuracy Desc:	Nearest 15 seconds		
Owner Name:			
Location:	AUBURNDALE		
Link ID:	https://dataviewers.tdec.tn.gov/dataviewers/f?p=2005:39930:::::P39930_WELL_REPORT_NUMBER:15701036		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
116	N	0.86	4,546.88	247.21	WATER WELLS

Well No:	15709668	Work Type:	
License Code:	29	County Name:	SHELBY
Well Use:		Description:	
Driller Report ID:	1443086	Finish Type:	
Driller Tag No:		Finish from Ft:	

Wells and Additional Sources Detail Report

Well No R4:	9668	Finish to Ft:	
Quad No:	0404NE	Quality:	
Quad Name:	NORTHWEST-MEMPHIS	Casing Type:	
Quad Nth:		Latitude DD:	35.161944
Cmpltn Date:	4/4/1948, 7:00 PM	Longitude DD:	-90.02888899999999
Cmpltn Stati Level:		Lat DD:	35
Cmpltn Tot Depth:	638	Lat MM:	9
Cmpltn Est Yield:	1450	Lat SS:	43
Inspection Tag No:		Lon DD:	90
Inspection Date:		Lon MM:	1
Casing Ft Bel Grnd:		Lon SS:	44
WBZ:		Latitude:	350943
Q9th Orphan:		Longitude:	900144
Form Log:	N	X:	-90.02888899999999
Accuracy:	S	Y:	35.161944000000005
Accuracy Desc:	Nearest second		
Owner Name:			
Location:			
Link ID:	https://dataviewers.tdec.tn.gov/dataviewers/f?p=2005:39930:::::P39930_WELL_REPORT_NUMBER:15709668		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
117	SSW	0.86	4,558.64	276.71	WATER WELLS

Well No:	15709517	Work Type:	New Well
License Code:	29	County Name:	SHELBY
Well Use:	Commercial	Description:	
Driller Report ID:	1442938	Finish Type:	
Driller Tag No:		Finish from Ft:	
Well No R4:	9517	Finish to Ft:	
Quad No:	0404NE	Quality:	Good
Quad Name:	NORTHWEST-MEMPHIS	Casing Type:	
Quad Nth:		Latitude DD:	35.1375
Cmpltn Date:		Longitude DD:	-90.033056
Cmpltn Stati Level:		Lat DD:	35
Cmpltn Tot Depth:	450	Lat MM:	8
Cmpltn Est Yield:		Lat SS:	15
Inspection Tag No:		Lon DD:	90
Inspection Date:		Lon MM:	1
Casing Ft Bel Grnd:		Lon SS:	59
WBZ:		Latitude:	350815
Q9th Orphan:		Longitude:	900159
Form Log:	No	X:	-90.03305011880649
Accuracy:	S	Y:	35.137493509839814
Accuracy Desc:	Nearest second		
Owner Name:			
Location:			

Wells and Additional Sources Detail Report

Link ID: https://dataviewers.tdec.tn.gov/dataviewers/f?p=2005:39930:::::P39930_WELL_REPORT_NUMBER:15709517

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
118	ENE	0.88	4,630.72	250.97	WATER WELLS

Well No:	15709633	Work Type:	
License Code:	740	County Name:	SHELBY
Well Use:		Description:	
Driller Report ID:	1443051	Finish Type:	
Driller Tag No:		Finish from Ft:	
Well No R4:	9633	Finish to Ft:	
Quad No:	0404NE	Quality:	
Quad Name:	NORTHWEST-MEMPHIS	Casing Type:	
Quad Nth:		Latitude DD:	35.153056
Cmpltn Date:		Longitude DD:	-90.011111
Cmpltn Stati Level:		Lat DD:	35
Cmpltn Tot Depth:	522	Lat MM:	9
Cmpltn Est Yield:		Lat SS:	11
Inspection Tag No:		Lon DD:	90
Inspection Date:		Lon MM:	0
Casing Ft Bel Grnd:		Lon SS:	40
WBZ:		Latitude:	350911
Q9th Orphan:		Longitude:	900040
Form Log:	N	X:	-90.01111100000003
Accuracy:	S	Y:	35.15305599999999
Accuracy Desc:	Nearest second		
Owner Name:			
Location:			
Link ID:	https://dataviewers.tdec.tn.gov/dataviewers/f?p=2005:39930:::::P39930_WELL_REPORT_NUMBER:15709633		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
119	N	0.89	4,707.00	252.38	WATER WELLS

Well No:	15709661	Work Type:	
License Code:	29	County Name:	SHELBY
Well Use:		Description:	
Driller Report ID:	1443079	Finish Type:	
Driller Tag No:		Finish from Ft:	
Well No R4:	9661	Finish to Ft:	
Quad No:	0404NE	Quality:	Good
Quad Name:	NORTHWEST-MEMPHIS	Casing Type:	
Quad Nth:		Latitude DD:	35.1625
Cmpltn Date:		Longitude DD:	-90.027778
Cmpltn Stati Level:		Lat DD:	35
Cmpltn Tot Depth:	524	Lat MM:	9

Cmpltn Est Yield:		Lat SS:	45
Inspection Tag No:		Lon DD:	90
Inspection Date:		Lon MM:	1
Casing Ft Bel Grnd:		Lon SS:	40
WBZ:		Latitude:	350945
Q9th Orphan:		Longitude:	900140
Form Log:	N	X:	-90.02777800000001
Accuracy:	S	Y:	35.16250000000002
Accuracy Desc:	Nearest second		
Owner Name:			
Location:			
Link ID:	https://dataviewers.tdec.tn.gov/dataviewers/f?p=2005:39930:::::P39930_WELL_REPORT_NUMBER:15709661		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
121	SSW	0.90	4,747.93	278.95	WATER WELLS

Well No:	15709514	Work Type:	New Well
License Code:	29	County Name:	SHELBY
Well Use:	Farm	Description:	
Driller Report ID:	1442935	Finish Type:	
Driller Tag No:		Finish from Ft:	
Well No R4:	9514	Finish to Ft:	
Quad No:	0404NE	Quality:	Good
Quad Name:	NORTHWEST-MEMPHIS	Casing Type:	
Quad Nth:		Latitude DD:	35.138056
Cmpltn Date:		Longitude DD:	-90.035556
Cmpltn Stati Level:		Lat DD:	35
Cmpltn Tot Depth:		Lat MM:	8
Cmpltn Est Yield:		Lat SS:	17
Inspection Tag No:		Lon DD:	90
Inspection Date:		Lon MM:	2
Casing Ft Bel Grnd:		Lon SS:	8
WBZ:		Latitude:	350817
Q9th Orphan:		Longitude:	900208
Form Log:	No	X:	-90.03555011807944
Accuracy:	S	Y:	35.13804950984145
Accuracy Desc:	Nearest second		
Owner Name:			
Location:			
Link ID:	https://dataviewers.tdec.tn.gov/dataviewers/f?p=2005:39930:::::P39930_WELL_REPORT_NUMBER:15709514		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
122	SSW	0.91	4,795.24	279.18	WATER WELLS

Well No:	15709512	Work Type:	New Well

Wells and Additional Sources Detail Report

License Code:	30	County Name:	SHELBY
Well Use:	Farm	Description:	
Driller Report ID:	1442933	Finish Type:	
Driller Tag No:		Finish from Ft:	
Well No R4:	9512	Finish to Ft:	
Quad No:	0404NE	Quality:	Good
Quad Name:	NORTHWEST-MEMPHIS	Casing Type:	
Quad Nth:		Latitude DD:	35.138056
Cmpltn Date:		Longitude DD:	-90.035833
Cmpltn Stati Level:		Lat DD:	35
Cmpltn Tot Depth:	524	Lat MM:	8
Cmpltn Est Yield:		Lat SS:	17
Inspection Tag No:		Lon DD:	90
Inspection Date:		Lon MM:	2
Casing Ft Bel Grnd:		Lon SS:	9
WBZ:		Latitude:	350817
Q9th Orphan:		Longitude:	900209
Form Log:	No	X:	-90.03582711800297
Accuracy:	S	Y:	35.13804950985373
Accuracy Desc:	Nearest second		
Owner Name:			
Location:			
Link ID:	https://dataviewers.tdec.tn.gov/dataviewers/f?p=2005:39930:::::P39930_WELL_REPORT_NUMBER:15709512		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
123	SSW	0.92	4,832.83	278.62	WATER WELLS

Well No:	15709513	Work Type:	New Well
License Code:	740	County Name:	SHELBY
Well Use:	Farm	Description:	
Driller Report ID:	1442934	Finish Type:	
Driller Tag No:		Finish from Ft:	
Well No R4:	9513	Finish to Ft:	
Quad No:	0404NE	Quality:	Good
Quad Name:	NORTHWEST-MEMPHIS	Casing Type:	
Quad Nth:		Latitude DD:	35.137778
Cmpltn Date:		Longitude DD:	-90.035556
Cmpltn Stati Level:		Lat DD:	35
Cmpltn Tot Depth:	597	Lat MM:	8
Cmpltn Est Yield:		Lat SS:	16
Inspection Tag No:		Lon DD:	90
Inspection Date:		Lon MM:	2
Casing Ft Bel Grnd:		Lon SS:	8
WBZ:		Latitude:	350816
Q9th Orphan:		Longitude:	900208
Form Log:	No	X:	-90.03555011809772

Accuracy:	S	Y:	35.13777150989612
Accuracy Desc:	Nearest second		
Owner Name:			
Location:			
Link ID:	https://dataviewers.tdec.tn.gov/dataviewers/f?p=2005:39930:::::P39930_WELL_REPORT_NUMBER:15709513		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
126	WNW	0.95	5,038.44	231.19	WATER WELLS

Well No:	15709496	Work Type:	New Well
License Code:	740	County Name:	SHELBY
Well Use:		Description:	
Driller Report ID:	1442917	Finish Type:	
Driller Tag No:		Finish from Ft:	
Well No R4:	9496	Finish to Ft:	
Quad No:	0404NE	Quality:	Unknown
Quad Name:	NORTHWEST-MEMPHIS	Casing Type:	
Quad Nth:		Latitude DD:	35.155556
Cmpltn Date:		Longitude DD:	-90.041667
Cmpltn Stati Level:	45	Lat DD:	35
Cmpltn Tot Depth:	396	Lat MM:	9
Cmpltn Est Yield:		Lat SS:	20
Inspection Tag No:		Lon DD:	90
Inspection Date:		Lon MM:	2
Casing Ft Bel Grnd:		Lon SS:	30
WBZ:		Latitude:	350920
Q9th Orphan:		Longitude:	900230
Form Log:	No	X:	-90.04166111524012
Accuracy:	S	Y:	35.15554950667268
Accuracy Desc:	Nearest second		
Owner Name:			
Location:			
Link ID:	https://dataviewers.tdec.tn.gov/dataviewers/f?p=2005:39930:::::P39930_WELL_REPORT_NUMBER:15709496		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
128	ENE	0.99	5,217.38	258.48	WATER WELLS

Well No:	15709634	Work Type:	
License Code:	740	County Name:	SHELBY
Well Use:		Description:	
Driller Report ID:	1443052	Finish Type:	
Driller Tag No:		Finish from Ft:	
Well No R4:	9634	Finish to Ft:	
Quad No:	0404NE	Quality:	Good
Quad Name:	NORTHWEST-MEMPHIS	Casing Type:	

Quad Nth:		Latitude DD:	35.153332999999996
Cmpltn Date:		Longitude DD:	-90.00916699999999
Cmpltn Stati Level:		Lat DD:	35
Cmpltn Tot Depth:	428	Lat MM:	9
Cmpltn Est Yield:		Lat SS:	12
Inspection Tag No:		Lon DD:	90
Inspection Date:		Lon MM:	0
Casing Ft Bel Grnd:		Lon SS:	33
WBZ:		Latitude:	350912
Q9th Orphan:		Longitude:	900033
Form Log:	N	X:	-90.00916699999999
Accuracy:	S	Y:	35.153332999999975
Accuracy Desc:	Nearest second		
Owner Name:			
Location:			
Link ID:	https://dataviewers.tdec.tn.gov/dataviewers/f?p=2005:39930:::::P39930_WELL_REPORT_NUMBER:15709634		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
129	SW	0.98	5,192.69	260.91	WATER WELLS

Well No:	15709547	Work Type:	New Well
License Code:	29	County Name:	SHELBY
Well Use:	Industrial	Description:	
Driller Report ID:	1442968	Finish Type:	
Driller Tag No:		Finish from Ft:	
Well No R4:	9547	Finish to Ft:	
Quad No:	0404NE	Quality:	Good
Quad Name:	NORTHWEST-MEMPHIS	Casing Type:	
Quad Nth:		Latitude DD:	35.14
Cmpltn Date:		Longitude DD:	-90.040278
Cmpltn Stati Level:	90	Lat DD:	35
Cmpltn Tot Depth:		Lat MM:	8
Cmpltn Est Yield:		Lat SS:	24
Inspection Tag No:		Lon DD:	90
Inspection Date:		Lon MM:	2
Casing Ft Bel Grnd:		Lon SS:	25
WBZ:		Latitude:	350824
Q9th Orphan:		Longitude:	900225
Form Log:	No	X:	-90.04027211664747
Accuracy:	S	Y:	35.13999350966875
Accuracy Desc:	Nearest second		
Owner Name:			
Location:			
Link ID:	https://dataviewers.tdec.tn.gov/dataviewers/f?p=2005:39930:::::P39930_WELL_REPORT_NUMBER:15709547		

Radon Information

This section lists any relevant radon information found for the target property.

Federal EPA Radon Zone for *SHELBY* County: **3**

Zone 1: Counties with predicted average indoor radon screening levels greater than 4 pCi/L
Zone 2: Counties with predicted average indoor radon screening levels from 2 to 4 pCi/L
Zone 3: Counties with predicted average indoor radon screening levels less than 2 pCi/L

Federal Area Radon Information for *SHELBY* County

No Measures/Homes:	144
Geometric Mean:	0.8
Arithmetic Mean:	1
Median:	0.8
Standard Deviation:	0.8
Maximum:	4.4
% >4 pCi/L:	1
% >20 pCi/L:	0
Notes on Data Table:	TABLE 1. Screening indoor radon data from the EPA/State Residential Radon Survey of Tennessee conducted during 1986-87. Data represent 2-7 day charcoal canister measurements from the lowest level of each home tested.

Appendix

Federal Sources

FEMA National Flood Hazard Layer — **FEMA FLOOD**

The National Flood Hazard Layer (NFHL) data incorporates Flood Insurance Rate Map (FIRM) databases published by the Federal Emergency Management Agency (FEMA), and any Letters Of Map Revision (LOMRs) that have been issued against those databases since their publication date. The FIRM Database is the digital, geospatial version of the flood hazard information shown on the published paper FIRMs. The FIRM Database depicts flood risk information and supporting data used to develop the risk data. The FIRM Database is derived from Flood Insurance Studies (FISs), previously published FIRMs, flood hazard analyses performed in support of the FISs and FIRMs, and new mapping data, where available.

Indoor Radon Data — **INDOOR RADON**

Indoor radon measurements tracked by the Environmental Protection Agency(EPA) and the State Residential Radon Survey.

Public Water Systems Violations and Enforcement Data — **PWSV**

This list of drinking water violations and enforcement actions is sourced from the U.S Environmental Protection Agency's (EPA) Enforcement and Compliance History Online (ECHO) system that incorporates Public Water Systems data from EPA's Safe Drinking Water Information System (SDWIS) database, as part of the national download of Safe Drinking Water Act (SDWA) data. SDWIS contains information on public water systems from the Public Water System Supervision (PWSS) Program, including monitoring, enforcement, and violation data related to requirements established by the SWDA. Address information provided in SWDIS may correspond either with the physical location of the water system, or with a contact address.

Radon Zone Level — **RADON ZONE**

Areas showing the level of Radon Zones (level 1, 2 or 3) by county. This data is maintained by the Environmental Protection Agency (EPA).

Safe Drinking Water Information System (SDWIS) — **SDWIS**

This national download of Safe Drinking Water Act (SDWA) data is sourced from the U.S Environmental Protection Agency's (EPA) Enforcement and Compliance History Online (ECHO) system that incorporates Public Water Systems data from EPA's Safe Drinking Water Information System (SDWIS) database. SDWIS contains information on public water systems from the Public Water System Supervision (PWSS) Program related to requirements established by the Safe Drinking Water Act (SDWA). Address information provided in SWDIS may correspond either with the physical location of the water system, or with a contact address.

Soil Survey Geographic database — **SSURGO**

The Soil Survey Geographic database (SSURGO) contains information about soil as collected by the National Cooperative Soil Survey at the Natural Resources Conservation Service (NRCS). Soil maps outline areas called map units. The map units are linked to soil properties in a database. Each map unit may contain one to three major components and some minor components.

U.S. Fish & Wildlife Service Wetland Data — **US WETLAND**

The U.S. Fish & Wildlife Service Wetland layer represents the approximate location and type of wetlands and deepwater habitats in the United States.

USGS Current Topo — **US TOPO**

US Topo topographic maps are produced by the National Geospatial Program of the U.S. Geological Survey (USGS). The project was launched in late 2009, and the term "US Topo" refers specifically to quadrangle topographic maps published in 2009 and later.

USGS Geology — **US GEOLOGY**

Seamless maps depicting geological information provided by the United States Geological Survey (USGS).

USGS National Water Information System — **FED USGS**

The U.S. Geological Survey's (USGS) National Water Information System (NWIS) is the nation's principal repository of water resources data. The data includes comprehensive information of well-construction details, time-series data for gage height, streamflow, groundwater level, and precipitation and water use data. This NWIS database information is obtained through the Water Quality Data Portal (WQP). The WQP

is a cooperative service sponsored by the USGS, the Environmental Protection Agency (EPA), and the National Water Quality Monitoring Council (NWQMC). WQX3.0 is the newest version of the data standard that is delivered from the WQP, and this updated version holds new profiles containing USGS data added since March 11, 2024 sourced from their beta version website.

State Sources

County Water Wells **WATER WELLS**

A list of county water well locations maintained by the Division of Water Resources at the Tennessee Department of Environment and Conservation.

Oil and Gas Wells **OGW**

Oil and Gas Well Data made available by Tennessee Department of Environment and Conservation.

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Appendix E
Environmental Database Search Report

DATABASE REPORT

Project Property:	*Future Edgeview II* *981 Peach Avenue* *Memphis TN*
Project No:	*Z000000005*
Report Type:	*Database Report + Compliance*
Order No:	*26030900404*
Requested by:	*EnSafe Inc.*
Date Completed:	*March 10, 2026*

Environmental Risk Information Services
A division of Glacier Media Inc.
1.866.517.5204 | info@erisinfo.com | erisinfo.com

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Executive Summary

Property Information:

Project Property:	*Future Edgeview II* *981 Peach Avenue Memphis TN*
Project No:	*Z000000005*

Coordinates:

Latitude:	*35.14918908*
Longitude:	*-90.02630188*
UTM Northing:	*3,893,637.16*
UTM Easting:	*770,902.77*
UTM Zone:	*UTM Zone 15S*

Elevation: *277 FT*

Order Information:

Order No:	*26030900404*
Date Requested:	*March 9, 2026*
Requested by:	*EnSafe Inc.*
Report Type:	*Database Report + Compliance*

Historicals/Products:

Aerial Photographs	*Historical Aerials (with Project Boundaries)*
City Directory Search	*Smart CD Search*
ERIS Xplorer	*ERIS Xplorer*
Excel Add-On	*Excel Add-On*
Fire Insurance Maps	*US Fire Insurance Maps*
Physical Setting Report (PSR)	*Physical Setting Report (PSR)*
Topographic Map	*Topographic Maps*
Vapor Screening Tool	*Vapor Screening Tool*

Executive Summary: Report Summary

Database	Searched	Search Radius	Project Property	Within 0.12mi	0.125mi to 0.25mi	0.25mi to 0.50mi	0.50mi to 1.00mi	Total
Standard Environmental Records								
Federal								
NPL	Y	1	0	0	0	0	0	0
PROPOSED NPL	Y	1	0	0	0	0	0	0
DELETED NPL	Y	0.5	0	0	0	0	-	0
SEMS	Y	0.5	0	0	0	**1**	-	**1**
ODI	Y	0.5	0	0	0	0	-	0
SEMS ARCHIVE	Y	0.5	0	0	0	0	-	0
CERCLIS	Y	0.5	0	0	0	0	-	0
IODI	Y	0.5	0	0	0	0	-	0
CERCLIS NFRAP	Y	0.5	0	0	0	0	-	0
CERCLIS LIENS	Y	PO	0	-	-	-	-	0
RCRA CORRACTS	Y	1	0	0	0	0	0	0
RCRA TSD	Y	0.5	0	0	0	0	-	0
RCRA LQG	Y	0.25	0	0	0	-	-	0
RCRA SQG	Y	0.25	0	0	0	-	-	0
RCRA VSQG	Y	0.25	0	0	0	-	-	0
RCRA NON GEN	Y	0.25	0	0	**3**	-	-	**3**
RCRA CONTROLS	Y	0.5	0	0	0	0	-	0
FED ENG	Y	0.5	0	0	0	0	-	0
FED INST	Y	0.5	0	0	0	0	-	0
LUCIS	Y	0.5	0	0	0	0	-	0
NPL IC	Y	0.5	0	0	0	0	-	0
ERNS 1982 TO 1986	Y	PO	0	-	-	-	-	0
ERNS 1987 TO 1989	Y	PO	0	-	-	-	-	0
ERNS	Y	PO	0	-	-	-	-	0
FED BROWNFIELDS	Y	0.5	0	0	0	0	-	0
FEMA UST	Y	0.25	0	0	0	-	-	0
FRP	Y	0.25	0	0	0	-	-	0

Database	Searched	Search Radius	Project Property	Within 0.12mi	0.125mi to 0.25mi	0.25mi to 0.50mi	0.50mi to 1.00mi	Total
DELISTED FRP	Y	0.25	0	0	0	-	-	0
HIST GAS STATIONS	Y	0.25	0	0	0	-	-	0
REFN	Y	0.25	0	0	0	-	-	0
BULK TERMINAL	Y	0.25	0	0	0	-	-	0
SEMS LIEN	Y	PO	0	-	-	-	-	0
SUPERFUND ROD	Y	1	0	0	0	0	0	0
State								
LUR	Y	0.5	0	0	**1**	**2**	-	**3**
SHWS	Y	1	0	0	0	0	0	0
DEL SHWS	Y	1	0	0	0	0	0	0
SWF/LF	Y	0.5	0	0	0	0	-	0
LUST	Y	0.5	0	0	0	**9**	-	**9**
LUST TRUST	Y	0.5	0	0	0	**1**	-	**1**
DELISTED LST	Y	0.5	0	0	0	0	-	0
HWRA	Y	0.5	0	0	0	**2**	-	**2**
DHWR	Y	0.5	0	0	0	0	-	0
UST	Y	0.25	0	0	**2**	-	-	**2**
DEL STORAGE TNK	Y	0.25	0	0	0	-	-	0
INST	Y	0.5	0	0	0	**2**	-	**2**
ENG	Y	0.5	0	0	0	0	-	0
VCP	Y	0.5	0	0	**1**	**6**	-	**7**
SRP	Y	0.5	0	0	0	**4**	-	**4**
REMEDIATION	Y	0.25	0	0	**1**	-	-	**1**
Tribal								
INDIAN LUST	Y	0.5	0	0	0	0	-	0
INDIAN UST	Y	0.25	0	0	0	-	-	0
DELISTED INDIAN LST	Y	0.5	0	0	0	0	-	0
DELISTED INDIAN UST	Y	0.25	0	0	0	-	-	0
County	***No County standard environmental record sources available for this State.***							

Additional Environmental Records

Federal

FDA REGISTRANT	Y	PO	0	-	-	-	-	0
PFAS GHG	Y	0.5	0	0	0	0	-	0

Database	Searched	Search Radius	Project Property	Within 0.12mi	0.125mi to 0.25mi	0.25mi to 0.50mi	0.50mi to 1.00mi	Total
OSC RESPONSE	Y	0.125	0	0	-	-	-	0
RMP	Y	PO	0	-	-	-	-	0
FINDS/FRS	Y	PO	0	-	-	-	-	0
TRIS	Y	PO	0	-	-	-	-	0
PFAS NPL	Y	0.5	0	0	0	0	-	0
PFAS FED SITES	Y	0.5	0	0	0	0	-	0
PFAS SSEHRI	Y	0.5	0	0	0	0	-	0
PFAS ERNS	Y	0.5	0	0	0	0	-	0
PFAS NPDES	Y	0.5	0	0	0	0	-	0
PFAS TRI	Y	0.5	0	0	0	0	-	0
PFAS WATER	Y	0.5	0	0	0	0	-	0
PFAS TSCA	Y	0.5	0	0	0	0	-	0
PFAS E-MANIFEST	Y	0.5	0	0	0	0	-	0
PFAS IND	Y	0.5	0	0	0	**2**	-	**2**
HMIRS	Y	0.125	0	0	-	-	-	0
NCDL	Y	0.125	0	0	-	-	-	0
TSCA	Y	0.125	0	0	-	-	-	0
HIST TSCA	Y	0.125	0	0	-	-	-	0
FTTS ADMIN	Y	PO	0	-	-	-	-	0
FTTS INSP	Y	PO	0	-	-	-	-	0
PRP	Y	PO	0	-	-	-	-	0
SCRD DRYCLEANER	Y	0.5	0	0	0	0	-	0
ICIS	Y	PO	0	-	-	-	-	0
FED DRYCLEANERS	Y	0.25	0	0	0	-	-	0
DELISTED FED DRY	Y	0.25	0	0	0	-	-	0
FUDS	Y	1	0	0	0	0	0	0
CEA2	Y	0.25	0	0	0	-	-	0
FUDS MRS	Y	1	0	0	0	0	0	0
FORMER NIKE	Y	1	0	0	0	0	0	0
PIPELINE INCIDENT	Y	PO	0	-	-	-	-	0
ICIA	Y	PO	0	-	-	-	-	0
MLTS	Y	PO	0	-	-	-	-	0
HIST MLTS	Y	PO	0	-	-	-	-	0
MINES	Y	0.25	0	0	0	-	-	0
OSHA	Y	PO	0	**1**	-	-	-	**1**

Database	Searched	Search Radius	Project Property	Within 0.12mi	0.125mi to 0.25mi	0.25mi to 0.50mi	0.50mi to 1.00mi	Total
SMCRA	Y	1	0	0	0	0	0	0
CEA	Y	0.25	0	0	**2**	-	-	**2**
MRDS	Y	1	0	0	0	0	0	0
CRIM	Y	0.5	0	0	0	0	-	0
DOCKETS	Y	0.5	0	0	0	0	-	0
LM SITES	Y	1	0	0	0	0	0	0
PCS	Y	0.5	0	0	0	0	-	0
ALT FUELS	Y	0.25	0	0	0	-	-	0
NPDES	Y	0.25	0	0	**2**	-	-	**2**
CONSENT DECREES	Y	0.25	0	0	0	-	-	0
FINA	Y	0.25	0	0	0	-	-	0
AFS	Y	PO	0	-	-	-	-	0
BRS	Y	0.5	0	0	0	**1**	-	**1**
SSTS	Y	0.25	0	0	0	-	-	0
ECHO	Y	0.5	0	0	**7**	**42**	-	**49**
PCBT	Y	0.5	0	0	0	0	-	0
CIVIL CASES	Y	0.5	0	0	0	0	-	0
PCB	Y	0.5	0	0	0	0	-	0
NCDB CASE LIST	Y	0.125	0	0	-	-	-	0
NCDB FAC INSP	Y	0.125	0	0	-	-	-	0
DOCKET HW	Y	0.5	0	0	0	**1**	-	**1**
POWER PLANTS	Y	0.125	0	0	-	-	-	0
HIST RISK	Y	0.125	0	**3**	-	-	-	**3**
NPDES BIOSOLIDS	Y	PO	0	-	-	-	-	0
State								
NPDES	Y	0.25	0	0	**4**	-	-	**4**
PRIORITY CLEAN	Y	0.25	0	0	0	-	-	0
DELISTED DCER	Y	0.25	0	0	0	-	-	0
DRYCLEANERS	Y	0.25	0	0	0	-	-	0
DELISTED DRYCLEANERS	Y	0.25	0	0	0	-	-	0
CDL	Y	PO	0	-	-	-	-	0
SPILLS	Y	0.125	0	0	-	-	-	0
SPILS	Y	0.125	0	0	-	-	-	0
SWM COMPLAINT	Y	0.25	0	0	**1**	-	-	**1**
HWM	Y	0.25	0	0	0	-	-	0

Database	Searched	Search Radius	Project Property	Within 0.12mi	0.125mi to 0.25mi	0.25mi to 0.50mi	0.50mi to 1.00mi	Total
PFAS SAMPLING	Y	0.5	0	0	0	0	-	0

Tribal ***No Tribal additional environmental record sources available for this State.***

County ***No County additional environmental record sources available for this State.***

Total:	*0*	***4***	***24***	***73***	*0*	***101***

**** PO – Property Only***
**** 'Property and adjoining properties' database search radii are set at 0.25 miles.***

Executive Summary: Site Report Summary - Project Property

Map Key	DB	Company/Site Name	Address	Direction	Distance (mi/ft)	Elev Diff (ft)	Page Number

No records found in the selected databases for the project property.

Executive Summary: Site Report Summary - Surrounding Properties

Map Key	DB	Company/Site Name	Address	Direction	Distance (mi/ft)	Elev Diff (ft)	Page Number
1	OSHA	H D CONSTRUCTION COMPANY	DECATUR ST & PEACH AVE MEMPHIS TN 38105 ***Activity No:*** 309227791	NE	0.01 / 51.68	-22	35
2	HIST RISK	Gordon Cleaners & Dyers	311 Decatur Memphis TN	SSE	0.03 / 151.99	-16	35
3	HIST RISK	Young Auto Service So	370 Decatur Memphis TN	NNE	0.06 / 312.78	-17	36
4	HIST RISK	Kershaw Prince A	947 Peach av Memphis TN	WNW	0.12 / 658.94	-27	36
5	ECHO	LEGENDS PARK SENIOR BUILDING	945 PEACH AVENUE MEMPHIS TN 38105 ***FRS ID:*** 110071510972	WNW	0.13 / 669.74	-27	36
5	LUR	LEGENDS PARK NORTH/WEST(PEACH AVENUE/BLOCK A EAST)	945 PEACH AVENUE MEMPHIS TN	WNW	0.13 / 669.74	-27	37
5	NPDES	Legends Park Senior Building	945 Peach Avenue Memphis TN	WNW	0.13 / 669.74	-27	38
5	NPDES	LEGENDS PARK SENIOR BUILDING	945 PEACH AVENUE MEMPHIS MEMPHIS TN 38105 ***NPDES ID | Facility UIN:*** TNR155485 | 110071510972	WNW	0.13 / 669.74	-27	38
5	REMEDIATION	LEGENDS PARK NORTH/WEST(PEACH AVENUE/BLOCK A EAST)	945 PEACH AVENUE MEMPHIS TN	WNW	0.13 / 669.74	-27	39
5	VCP	LEGENDS PARK NORTH/WEST(PEACH AVENUE/BLOCK A EAST)	945 PEACH AVENUE MEMPHIS TN	WNW	0.13 / 669.74	-27	39
6	ECHO	MEMPHIS LIGHT GAS AND WATER DIVISION	418 DECATUR LANE MEMPHIS TN 38105	NNE	0.14 / 731.33	-15	39

Map Key	DB	Company/Site Name	Address	Direction	Distance (mi/ft)	Elev Diff (ft)	Page Number
			FRS ID: 110005006741				
6	RCRA NON GEN	MEMPHIS LIGHT GAS AND WATER DIVISION	418 DECATUR LANE MEMPHIS TN 38105 ***Handler ID	Recycler Activity?:*** TNR000007278 | NO	NNE	0.14 / 731.33	-15	40
7	ECHO	COLLINS CHAPEL HOSP HLTH CTR	409 N AYERS ST MEMPHIS TN 38107 ***FRS ID:*** 110004978980	NW	0.21 / 1,108.06	-18	42
7	RCRA NON GEN	COLLINS CHAPEL HOSP HLTH CTR	409 N AYERS ST MEMPHIS TN 38107 ***Handler ID	Recycler Activity?:*** TND081341950 | NO	NW	0.21 / 1,108.06	-18	43
8	CEA	BP'S LANE AVENUE AUTO PARTS, INC.	433 NORTH WALDRAN BLVD. MEMPHIS TN 38105 ***Registry ID:*** 110059710638	NE	0.22 / 1,160.62	-16	45
8	ECHO	BP'S LANE AVENUE AUTO PARTS, INC.	433 NORTH WALDRAN BLVD. MEMPHIS TN 38105 ***FRS ID:*** 110059710638	NE	0.22 / 1,160.62	-16	46
8	ECHO	BP'S LANE AVENUE AUTO PARTS, INC.	433 NORTH WALDRAN BLVD. MEMPHIS TN 38105 ***FRS ID:*** 3400083528	NE	0.22 / 1,160.62	-16	46
8	NPDES	McKenzie - Lane Auto Salvage	433 North Waldran Memphis TN	NE	0.22 / 1,160.62	-16	47
8	NPDES	BP's Lane Avenue Auto Parts, Inc.	433 North Waldran Blvd. Memphis TN	NE	0.22 / 1,160.62	-16	47
8	NPDES	BP'S LANE AVENUE AUTO PARTS, INC.	433 NORTH WALDRAN BLVD. MEMPHIS MEMPHIS TN 38105 ***NPDES ID	Facility UIN:*** TNR056533 | 110059710638	NE	0.22 / 1,160.62	-16	48
8	SWM COMPLAINT	McKenzie - Lane Auto Salvage	433 North Waldran Memphis TN	NE	0.22 / 1,160.62	-16	51
9	CEA	POPLAR SQUARE APARTMENTS	1070 POPLAR AVE MEMPHIS TN 38104 ***Registry ID:*** 110033195370	SSE	0.22 / 1,184.87	-5	52
9	ECHO	POPLAR SQUARE APARTMENTS	1070 POPLAR AVE MEMPHIS TN 38104 ***FRS ID:*** 110033195370	SSE	0.22 / 1,184.87	-5	56

Map Key	DB	Company/Site Name	Address	Direction	Distance (mi/ft)	Elev Diff (ft)	Page Number
10	UST	Insulation And Refractories Services	1041 Galloway Avenue Memphis TN 38105 ***Facility ID:*** 9790417 ***Tank ID:*** 45985, 45986	NNE	0.23 / 1,192.05	-18	56
10	UST	Insulation And Refractories Service	1041 Galloway Memphis TN 38105 ***Facility ID:*** 9790418 ***Tank ID:*** 45988, 45987	NNE	0.23 / 1,192.05	-18	58
11	ECHO	MITCHELL & SON INC	451 N WALDRAN MEMPHIS TN 38105 ***FRS ID:*** 110004954568	NE	0.25 / 1,301.21	-20	60
11	NPDES	Allmatic Inc	451 N Waldran Blvd Memphis TN	NE	0.25 / 1,301.21	-20	61
11	RCRA NON GEN	MITCHELL & SON INC	451 N WALDRAN MEMPHIS TN 38105 ***Handler ID | Recycler Activity?:*** TND000005884 | NO	NE	0.25 / 1,301.21	-20	61
12	ECHO	DIXIE MANUFACTURING COMPANY	1071 GALLOWAY MEMPHIS TN 38105 ***FRS ID:*** 110011792300	NE	0.25 / 1,339.38	-24	63
13	PFAS IND	DIXIE MANUFACTURING COMPANY	MEMPHIS TN	NE	0.26 / 1,359.56	-24	64
14	ECHO	COX PRINTING CO	467 N WALDRAN BLVD MEMPHIS TN 38105 ***FRS ID:*** 110004999217	NE	0.28 / 1,471.29	-26	65
15	ECHO	MEMPHIS HOUSING AUTHORITY-DIXIE HOME DEV	916 POPLAR AVE MEMPHIS TN 38105 ***FRS ID:*** 110004951589	SW	0.29 / 1,529.81	-31	65
15	INST	DIXIE HOMES	916 POPLAR AVENUE MEMPHIS TN	SW	0.29 / 1,529.81	-31	66
15	LUR	DIXIE HOMES	916 POPLAR AVENUE MEMPHIS TN	SW	0.29 / 1,529.81	-31	66
15	VCP	DIXIE HOMES	916 POPLAR AVENUE MEMPHIS TN	SW	0.29 / 1,529.81	-31	67
16	ECHO	REGAL OLDSMOBILE	850 POPLAR AVE MEMPHIS TN 38104 ***FRS ID:*** 110004964487	WSW	0.29 / 1,548.47	-19	67

Map Key	DB	Company/Site Name	Address	Direction	Distance (mi/ft)	Elev Diff (ft)	Page Number
17	VCP	LEGENDS PARK SITES A & B	POPLAR AVENUE AND PAULINE STREET MEMPHIS TN	SW	0.31 / 1,645.27	-28	68
18	SRP	CHURCH'S FRIED CHICKEN	925 POPLAR AVENUE MEMPHIS TN	SW	0.32 / 1,685.20	-27	68
18	VCP	CHURCH'S FRIED CHICKEN	925 POPLAR AVENUE MEMPHIS TN	SW	0.32 / 1,685.20	-27	68
19	LUST	Exxon/Mobile Bulk Terminal	432 North Dunlap Memphis TN ***Facility ID:*** 9799001 ***Current Status:*** 8 Case Closed	WNW	0.32 / 1,696.96	-29	68
19	SRP	MEMPHIS BULK PLANT	432 NORTH DUNLAP ST. MEMPHIS TN	WNW	0.32 / 1,696.96	-29	69
19	VCP	MEMPHIS BULK PLANT	432 NORTH DUNLAP ST. MEMPHIS TN	WNW	0.32 / 1,696.96	-29	69
20	ECHO	272 N. BELLEVUE TOWNHOMES	272 NORTH BELLEVUE BLVD MEMPHIS TN 38105 ***FRS ID:*** 110071946430	ESE	0.34 / 1,788.15	-17	69
21	INST	SOUTHERN STEEL	431 DUNLAP MEMPHIS TN	WNW	0.35 / 1,832.14	-30	70
21	LUR	SOUTHERN STEEL	431 DUNLAP MEMPHIS TN	WNW	0.35 / 1,832.14	-30	70
21	SRP	SOUTHERN STEEL	431 DUNLAP MEMPHIS TN	WNW	0.35 / 1,832.14	-30	71
21	VCP	SOUTHERN STEEL	431 DUNLAP MEMPHIS TN	WNW	0.35 / 1,832.14	-30	71
22	BRS	MEMPHIS VA MEDICAL CENTER	1030 JEFFERSON AVENUE MEMPHIS TN 38104	S	0.36 / 1,894.87	-13	71
22	DOCKET HW	VA MEDICAL CENTER	1030 JEFFERSON AVENUE MEMPHIS TN ***EPA ID:*** TNN000410932	S	0.36 / 1,894.87	-13	88

Map Key	DB	Company/Site Name	Address	Direction	Distance (mi/ft)	Elev Diff (ft)	Page Number
22	ECHO	VETERANS AFFAIRS MEDICAL CENTER	1030 JEFFERSON AVE MEMPHIS TN 38104 ***FRS ID:*** 110009445948	S	0.36 / 1,894.87	-13	89
22	ECHO	MEMPHIS VA MEDICAL CENTER	1030 JEFFERSON AVENUE MEMPHIS TN 38104 ***FRS ID:*** 110070383112	S	0.36 / 1,894.87	-13	90
22	ECHO	USVA VETERANS ADMIN HOSPITAL	1030 JEFFERSON AVE MEMPHIS TN 38104 ***FRS ID:*** 110067808206	S	0.36 / 1,894.87	-13	90
22	LUST	VA MEDICAL CENTER	1030 JEFFERSON AVENUE Memphis TN 38104 ***Facility ID:*** 790807 ***Current Status:*** 1a Completed Tank Closure	S	0.36 / 1,894.87	-13	91
22	SEMS	VA MEDICAL CENTER	1030 JEFFERSON AVENUE MEMPHIS TN 38104 ***EPA ID:*** TNN000410932	S	0.36 / 1,894.87	-13	91
23	SRP	MEMPHIS MENTAL HEALTH INSTITUTE	865 POPLAR AVENUE MEMPHIS TN	SW	0.38 / 2,020.98	-19	93
23	VCP	MEMPHIS MENTAL HEALTH INSTITUTE	865 POPLAR AVENUE MEMPHIS TN	SW	0.38 / 2,020.98	-19	93
24	ECHO	MLGW DIVISION - MALLORY PUMPING STATION	488 NORTH DUNLAP MEMPHIS TN 38105 ***FRS ID:*** 110018864558	NW	0.39 / 2,065.98	-33	93
24	ECHO	MALLORY PUMPING STATION	488 NORTH DUNLAP MEMPHIS TN 38103 ***FRS ID:*** 110070217327	NW	0.39 / 2,065.98	-33	94
25	ECHO	TENNISON BROTHERS INC	450 N BELLEVUE BLVD MEMPHIS TN 38104 ***FRS ID:*** 110004962498	ENE	0.42 / 2,234.28	-15	95
26	HWRA	SUCCESS CLEANERS	1000 JEFFERSON AVENUE MEMPHIS TN	S	0.43 / 2,254.55	-26	96
27	LUST	AIR MASK SERVICE UNIT	1010 FOXON Memphis TN 38105 ***Facility ID:*** 9791109 ***Current Status:*** 1a Completed Tank Closure	N	0.43 / 2,288.72	-20	96
28	ECHO	HART BILL	974 FAXON MEMPHIS TN 38105 ***FRS ID:*** 110004971031	N	0.43 / 2,295.17	-22	96

Map Key	DB	Company/Site Name	Address	Direction	Distance (mi/ft)	Elev Diff (ft)	Page Number
29	HWRA	MEMPHIS STEAM LAUNDRY AND CLEANERS	941 JEFFERSON AVENUE MEMPHIS TN	SSW	0.44 / 2,314.66	-30	97
30	ECHO	GS VEHICLE MAINTENANCE	MEMPHIS TN 38105 ***FRS ID:*** 110027676799	WNW	0.44 / 2,336.37	-40	97
30	ECHO	INSULATION AND REFRACTORIES SERVICES	MEMPHIS TN 38105 ***FRS ID:*** 110027728369	WNW	0.44 / 2,336.37	-40	98
30	ECHO	MEMPHIS BULK PLANT	MEMPHIS TN 38105 ***FRS ID:*** 110027768100	WNW	0.44 / 2,336.37	-40	98
30	ECHO	SHELBY COUNTY COURT OF MEMPHIS	MEMPHIS TN 38105 ***FRS ID:*** 110027683175	WNW	0.44 / 2,336.37	-40	99
30	ECHO	DOWNTOWN SHELL	MEMPHIS TN 38105 ***FRS ID:*** 110027603715	WNW	0.44 / 2,336.37	-40	100
30	ECHO	TN TECHOLOGY CENTER OF MEMPHIS	MEMPHIS TN 38105 ***FRS ID:*** 110027730221	WNW	0.44 / 2,336.37	-40	100
30	ECHO	GREYHOUND MAINTENANCE GARAGE	MEMPHIS TN 38105 ***FRS ID:*** 110027665284	WNW	0.44 / 2,336.37	-40	101
30	ECHO	(FORMERLY) CHIP BARWICK CHEVROLET	MEMPHIS TN 38105 ***FRS ID:*** 110027747605	WNW	0.44 / 2,336.37	-40	101
30	ECHO	POPLAR AVENUE BP	MEMPHIS TN 38105 ***FRS ID:*** 110027703910	WNW	0.44 / 2,336.37	-40	102
30	ECHO	INSULATION AND REFRACTORIES SERVICE	MEMPHIS TN 38105 ***FRS ID:*** 110027728323	WNW	0.44 / 2,336.37	-40	103
30	ECHO	WILLIAMS EXPRESS, INC. # 3254	MEMPHIS TN 38105 ***FRS ID:*** 110027727173	WNW	0.44 / 2,336.37	-40	103
30	ECHO	FORMER UNION GROVE BAPTIST CHURCH	MEMPHIS TN 38105	WNW	0.44 / 2,336.37	-40	104

Map Key	DB	Company/Site Name	Address	Direction	Distance (mi/ft)	Elev Diff (ft)	Page Number
			FRS ID: 110027628976				
30	ECHO	HARDY S SERVICE STATION	MEMPHIS TN 38105 ***FRS ID:*** 110027694136	WNW	0.44 / 2,336.37	-40	104
30	ECHO	PUBLIC WORKS SEWER AND DRAIN MAINT	MEMPHIS TN 38105 ***FRS ID:*** 110027616881	WNW	0.44 / 2,336.37	-40	105
30	ECHO	GOODYEAR ASC (CLOSED)	MEMPHIS TN 38105 ***FRS ID:*** 110027652118	WNW	0.44 / 2,336.37	-40	106
30	ECHO	MALLORY PUMPING STATION	MEMPHIS TN 38105 ***FRS ID:*** 110027741442	WNW	0.44 / 2,336.37	-40	106
30	ECHO	AIR MASK SERVICE UNIT	MEMPHIS TN 38105 ***FRS ID:*** 110027753857	WNW	0.44 / 2,336.37	-40	107
30	ECHO	GREYHOUND TERMINAL	MEMPHIS TN 38105 ***FRS ID:*** 110027673765	WNW	0.44 / 2,336.37	-40	107
30	ECHO	UT MEDICAL GROUP	MEMPHIS TN 38105 ***FRS ID:*** 110027733898	WNW	0.44 / 2,336.37	-40	108
30	ECHO	FLEET SERVICES	MEMPHIS TN 38105 ***FRS ID:*** 110027710172	WNW	0.44 / 2,336.37	-40	109
30	ECHO	AUTO CHLOR SYSTEM	MEMPHIS TN 38105 ***FRS ID:*** 110027752732	WNW	0.44 / 2,336.37	-40	109
30	ECHO	SCOTT S UNION 76	MEMPHIS TN 38105 ***FRS ID:*** 110027637699	WNW	0.44 / 2,336.37	-40	110
30	ECHO	WATER SERVICE CENTER	MEMPHIS TN 38105 ***FRS ID:*** 110027690498	WNW	0.44 / 2,336.37	-40	110
31	ECHO	AMOCO OIL SS# 767	821 POPLAR AVE MEMPHIS TN 38105 ***FRS ID:*** 110004994846	WSW	0.44 / 2,343.17	-10	111
31	LUST	AMOCO STATION #767	821 POPLAR AVENUE Memphis TN 38105	WSW	0.44 / 2,343.17	-10	112

Map Key	DB	Company/Site Name	Address	Direction	Distance (mi/ft)	Elev Diff (ft)	Page Number
			Facility ID: 9791083 ***Current Status:*** 8 Case Closed				
31	LUST	BP/AMOCO #18440	821 Poplar Avenue Memphis TN 38105 ***Facility ID:*** 9791083 ***Current Status:*** 8 Case Closed	WSW	0.44 / 2,343.17	-10	112
31	LUST	Poplar Avenue BP	821 Poplar Avenue Memphis TN 38105 ***Facility ID:*** 9791083 ***Current Status:*** 1d Completed Line Closure	WSW	0.44 / 2,343.17	-10	112
31	LUST	Poplar Avenue BP	821 Poplar Avenue Memphis TN 38105 ***Facility ID:*** 9791083 ***Current Status:*** 1a Completed Tank Closure	WSW	0.44 / 2,343.17	-10	113
31	LUST TRUST	BP STATION #767	821 POPLAR AVE Memphis TN 38105 ***Facility ID:*** 9791083	WSW	0.44 / 2,343.17	-10	113
32	ECHO	LEBONHEUR CHILDREN'S MEDICAL CENTER	848 ADAMS AVENUE MEMPHIS TN 38103 ***FRS ID:*** 110001859551	SW	0.47 / 2,460.32	-6	114
32	ECHO	METHODIST LEBONHEUR PEDIATRIC CVICU EXPANSION	848 ADAMS AVE. MEMPHIS TN 38104 ***FRS ID:*** 110070792825	SW	0.47 / 2,460.32	-6	114
33	ECHO	ST. JUDE PARKING LOT	PARKING LOT ADJACENT TO 757 GALLOWAY AVE MEMPHIS TN 38105 ***FRS ID:*** 110070256407	NW	0.47 / 2,489.59	-37	115
34	ECHO	HOSPITAL WING	UNKNOWN MEMPHIS TN 00000 ***FRS ID:*** 110041612699	S	0.49 / 2,563.43	-17	116
34	PFAS IND	HOSPITAL WING	MEMPHIS TN	S	0.49 / 2,563.43	-17	117
35	LUST	THE MED ADAM'S BUILDING	842 JEFFERSON AVENUE Memphis TN 38103 ***Facility ID:*** 9792354 ***Current Status:*** 8 Case Closed	SW	0.49 / 2,570.20	-16	117
36	LUST	UTHSC Medical Center Emergency Generator Building	956 Court Ave Memphis TN 38103-2814 ***Facility ID:*** 792203 ***Current Status:*** 1a Completed Tank Closure	SSW	0.49 / 2,571.22	-27	118
37	ECHO	BLAIR TOWER APARTMENTS	810 WASHINGTON MEMPHIS TN 38105 ***FRS ID:*** 110028114555	WSW	0.49 / 2,579.88	-7	118

Map Key	DB	Company/Site Name	Address	Direction	Distance (mi/ft)	Elev Diff (ft)	Page Number
38	ECHO	PERLMAN F & CO INC	476 NORTH MANASSAS MEMPHIS TN 38101 ***FRS ID:*** 110004967484	WNW	0.49 / 2,596.22	-45	119

Executive Summary: Summary by Data Source

Standard

Federal

SEMS - SEMS List 8R Active Site Inventory

A search of the SEMS database, dated Aug 27, 2025 has found that there are 1 SEMS site(s) within approximately 0.50miles of the project property.

Lower Elevation	Address	Direction	Distance (mi/ft)	Map Key
VA MEDICAL CENTER	1030 JEFFERSON AVENUE MEMPHIS TN 38104 ***EPA ID**: TNN000410932*	S	0.36 / 1,894.87	22

RCRA NON GEN - RCRA Non-Generators

A search of the RCRA NON GEN database, dated Nov 30, 2025 has found that there are 3 RCRA NON GEN site(s) within approximately 0.25miles of the project property.

Lower Elevation	Address	Direction	Distance (mi/ft)	Map Key
MEMPHIS LIGHT GAS AND WATER DIVISION	418 DECATUR LANE MEMPHIS TN 38105 ***Handler ID** | **Recycler Activity?**: TNR000007278 | NO*	NNE	0.14 / 731.33	6
COLLINS CHAPEL HOSP HLTH CTR	409 N AYERS ST MEMPHIS TN 38107 ***Handler ID** | **Recycler Activity?**: TND081341950 | NO*	NW	0.21 / 1,108.06	7
MITCHELL & SON INC	451 N WALDRAN MEMPHIS TN 38105 ***Handler ID** | **Recycler Activity?**: TND000005884 | NO*	NE	0.25 / 1,301.21	11

State

LUST - Environmental Activities on USTs

A search of the LUST database, dated Jan 5, 2026 has found that there are 9 LUST site(s) within approximately 0.50miles of the project property.

Lower Elevation	Address	Direction	Distance (mi/ft)	Map Key
Exxon/Mobile Bulk Terminal	432 North Dunlap Memphis TN ***Facility ID**: 9799001* ***Current Status**: 8 Case Closed*	WNW	0.32 / 1,696.96	19
VA MEDICAL CENTER	1030 JEFFERSON AVENUE Memphis TN 38104 ***Facility ID**: 790807* ***Current Status**: 1a Completed Tank Closure*	S	0.36 / 1,894.87	22

Lower Elevation	Address	Direction	Distance (mi/ft)	Map Key
AIR MASK SERVICE UNIT	1010 FOXON Memphis TN 38105 ***Facility ID**: 9791109* ***Current Status**: 1a Completed Tank Closure*	N	0.43 / 2,288.72	27
Poplar Avenue BP	821 Poplar Avenue Memphis TN 38105 ***Facility ID**: 9791083* ***Current Status**: 1a Completed Tank Closure*	WSW	0.44 / 2,343.17	31
Poplar Avenue BP	821 Poplar Avenue Memphis TN 38105 ***Facility ID**: 9791083* ***Current Status**: 1d Completed Line Closure*	WSW	0.44 / 2,343.17	31
BP/AMOCO #18440	821 Poplar Avenue Memphis TN 38105 ***Facility ID**: 9791083* ***Current Status**: 8 Case Closed*	WSW	0.44 / 2,343.17	31
AMOCO STATION #767	821 POPLAR AVENUE Memphis TN 38105 ***Facility ID**: 9791083* ***Current Status**: 8 Case Closed*	WSW	0.44 / 2,343.17	31
THE MED ADAM'S BUILDING	842 JEFFERSON AVENUE Memphis TN 38103 ***Facility ID**: 9792354* ***Current Status**: 8 Case Closed*	SW	0.49 / 2,570.20	35
UTHSC Medical Center Emergency Generator Building	956 Court Ave Memphis TN 38103-2814 ***Facility ID**: 792203* ***Current Status**: 1a Completed Tank Closure*	SSW	0.49 / 2,571.22	36

LUST TRUST - Tennessee Petroleum Underground Storage Tank Fund

A search of the LUST TRUST database, dated Jan 5, 2026 has found that there are 1 LUST TRUST site(s) within approximately 0.50 miles of the project property.

Lower Elevation	Address	Direction	Distance (mi/ft)	Map Key
BP STATION #767	821 POPLAR AVE Memphis TN 38105 ***Facility ID**: 9791083*	WSW	0.44 / 2,343.17	31

HWRA - Hazardous Waste Remedial Action Fund

A search of the HWRA database, dated Jan 21, 2026 has found that there are 2 HWRA site(s) within approximately 0.50miles of the project property.

Lower Elevation	Address	Direction	Distance (mi/ft)	Map Key
SUCCESS CLEANERS	1000 JEFFERSON AVENUE MEMPHIS TN	S	0.43 / 2,254.55	26
MEMPHIS STEAM LAUNDRY AND CLEANERS	941 JEFFERSON AVENUE MEMPHIS TN	SSW	0.44 / 2,314.66	29

UST - Underground Storage Tanks

A search of the UST database, dated Jan 30, 2026 has found that there are 2 UST site(s) within approximately 0.25miles of the project property.

Lower Elevation	Address	Direction	Distance (mi/ft)	Map Key
Insulation And Refractories Service	1041 Galloway Memphis TN 38105 ***Facility ID**: 9790418* ***Tank ID**: 45988, 45987*	NNE	0.23 / 1,192.05	10
Insulation And Refractories Services	1041 Galloway Avenue Memphis TN 38105 ***Facility ID**: 9790417* ***Tank ID**: 45985, 45986*	NNE	0.23 / 1,192.05	10

INST - Sites Remediated with Institutional Controls

A search of the INST database, dated Oct 4, 2023 has found that there are 2 INST site(s) within approximately 0.50miles of the project property.

Lower Elevation	Address	Direction	Distance (mi/ft)	Map Key
DIXIE HOMES	916 POPLAR AVENUE MEMPHIS TN	SW	0.29 / 1,529.81	15
SOUTHERN STEEL	431 DUNLAP MEMPHIS TN	WNW	0.35 / 1,832.14	21

VCP - Voluntary Cleanup, Oversight and Assistance Program

A search of the VCP database, dated Jan 21, 2026 has found that there are 7 VCP site(s) within approximately 0.50miles of the project property.

Lower Elevation	Address	Direction	Distance (mi/ft)	Map Key
LEGENDS PARK NORTH/WEST (PEACH AVENUE/BLOCK A EAST)	945 PEACH AVENUE MEMPHIS TN	WNW	0.13 / 669.74	5
DIXIE HOMES	916 POPLAR AVENUE MEMPHIS TN	SW	0.29 / 1,529.81	15
LEGENDS PARK SITES A & B	POPLAR AVENUE AND PAULINE STREET MEMPHIS TN	SW	0.31 / 1,645.27	17
CHURCH'S FRIED CHICKEN	925 POPLAR AVENUE MEMPHIS TN	SW	0.32 / 1,685.20	18
MEMPHIS BULK PLANT	432 NORTH DUNLAP ST. MEMPHIS TN	WNW	0.32 / 1,696.96	19

Lower Elevation	Address	Direction	Distance (mi/ft)	Map Key
SOUTHERN STEEL	431 DUNLAP MEMPHIS TN	WNW	0.35 / 1,832.14	21
MEMPHIS MENTAL HEALTH INSTITUTE	865 POPLAR AVENUE MEMPHIS TN	SW	0.38 / 2,020.98	23

SRP - State Remediation Program List

A search of the SRP database, dated Jan 21, 2026 has found that there are 4 SRP site(s) within approximately 0.50miles of the project property.

Lower Elevation	Address	Direction	Distance (mi/ft)	Map Key
CHURCH'S FRIED CHICKEN	925 POPLAR AVENUE MEMPHIS TN	SW	0.32 / 1,685.20	18
MEMPHIS BULK PLANT	432 NORTH DUNLAP ST. MEMPHIS TN	WNW	0.32 / 1,696.96	19
SOUTHERN STEEL	431 DUNLAP MEMPHIS TN	WNW	0.35 / 1,832.14	21
MEMPHIS MENTAL HEALTH INSTITUTE	865 POPLAR AVENUE MEMPHIS TN	SW	0.38 / 2,020.98	23

REMEDIATION - Division of Remediation Sites

A search of the REMEDIATION database, dated Jan 21, 2026 has found that there are 1 REMEDIATION site(s) within approximately 0.25miles of the project property.

Lower Elevation	Address	Direction	Distance (mi/ft)	Map Key
LEGENDS PARK NORTH/WEST (PEACH AVENUE/BLOCK A EAST)	945 PEACH AVENUE MEMPHIS TN	WNW	0.13 / 669.74	5

LUR - Notice of Land Use Restrictions

A search of the LUR database, dated Jan 21, 2026 has found that there are 3 LUR site(s) within approximately 0.50miles of the project property.

Lower Elevation	Address	Direction	Distance (mi/ft)	Map Key
LEGENDS PARK NORTH/WEST (PEACH AVENUE/BLOCK A EAST)	945 PEACH AVENUE MEMPHIS TN	WNW	0.13 / 669.74	5

Lower Elevation	Address	Direction	Distance (mi/ft)	Map Key
DIXIE HOMES	916 POPLAR AVENUE MEMPHIS TN	SW	0.29 / 1,529.81	15
SOUTHERN STEEL	431 DUNLAP MEMPHIS TN	WNW	0.35 / 1,832.14	21

Non Standard

Federal

PFAS IND - PFAS Industry Sectors

A search of the PFAS IND database, dated Feb 16, 2026 has found that there are 2 PFAS IND site(s) within approximately 0.50miles of the project property.

Lower Elevation	Address	Direction	Distance (mi/ft)	Map Key
DIXIE MANUFACTURING COMPANY	MEMPHIS TN	NE	0.26 / 1,359.56	13
HOSPITAL WING	MEMPHIS TN	S	0.49 / 2,563.43	34

OSHA - Occupational Safety and Health Administration Enforcement Data

A search of the OSHA database, dated Sep 8, 2025 has found that there are 1 OSHA site(s) within approximately 0.02miles of the project property.

Lower Elevation	Address	Direction	Distance (mi/ft)	Map Key
H D CONSTRUCTION COMPANY	DECATUR ST & PEACH AVE MEMPHIS TN 38105 ***Activity No**: 309227791*	NE	0.01 / 51.68	1

CEA - Civil Enforcement Actions

A search of the CEA database, dated Oct 11, 2025 has found that there are 2 CEA site(s) within approximately 0.25miles of the project property.

Lower Elevation	Address	Direction	Distance (mi/ft)	Map Key
BP'S LANE AVENUE AUTO PARTS, INC.	433 NORTH WALDRAN BLVD. MEMPHIS TN 38105 ***Registry ID**: 110059710638*	NE	0.22 / 1,160.62	8
POPLAR SQUARE APARTMENTS	1070 POPLAR AVE MEMPHIS TN 38104 ***Registry ID**: 110033195370*	SSE	0.22 / 1,184.87	9

NPDES - Federal National Pollutant Discharge Elimination System (NPDES)

A search of the NPDES database, dated May 3, 2025 has found that there are 2 NPDES site(s) within approximately 0.25miles of the project property.

Lower Elevation	Address	Direction	Distance (mi/ft)	Map Key
LEGENDS PARK SENIOR BUILDING	945 PEACH AVENUE MEMPHIS MEMPHIS TN 38105 ***NPDES ID | Facility UIN**: TNR155485 | 110071510972*	WNW	0.13 / 669.74	5
BP'S LANE AVENUE AUTO PARTS, INC.	433 NORTH WALDRAN BLVD. MEMPHIS MEMPHIS TN 38105 ***NPDES ID | Facility UIN**: TNR056533 | 110059710638*	NE	0.22 / 1,160.62	8

BRS - Biennial Reporting System (BRS)

A search of the BRS database, dated Sep 1, 2025 has found that there are 1 BRS site(s) within approximately 0.50miles of the project property.

Lower Elevation	Address	Direction	Distance (mi/ft)	Map Key
MEMPHIS VA MEDICAL CENTER	1030 JEFFERSON AVENUE MEMPHIS TN 38104	S	0.36 / 1,894.87	22

ECHO - Enforcement and Compliance Data (ECHO)

A search of the ECHO database, dated Oct 18, 2025 has found that there are 49 ECHO site(s) within approximately 0.50miles of the project property.

Lower Elevation	Address	Direction	Distance (mi/ft)	Map Key
LEGENDS PARK SENIOR BUILDING	945 PEACH AVENUE MEMPHIS TN 38105 ***FRS ID**: 110071510972*	WNW	0.13 / 669.74	5
MEMPHIS LIGHT GAS AND WATER DIVISION	418 DECATUR LANE MEMPHIS TN 38105 ***FRS ID**: 110005006741*	NNE	0.14 / 731.33	6
COLLINS CHAPEL HOSP HLTH CTR	409 N AYERS ST MEMPHIS TN 38107 ***FRS ID**: 110004978980*	NW	0.21 / 1,108.06	7
BP'S LANE AVENUE AUTO PARTS, INC.	433 NORTH WALDRAN BLVD. MEMPHIS TN 38105 ***FRS ID**: 110059710638*	NE	0.22 / 1,160.62	8
BP'S LANE AVENUE AUTO PARTS, INC.	433 NORTH WALDRAN BLVD. MEMPHIS TN 38105 ***FRS ID**: 3400083528*	NE	0.22 / 1,160.62	8
POPLAR SQUARE APARTMENTS	1070 POPLAR AVE MEMPHIS TN 38104 ***FRS ID**: 110033195370*	SSE	0.22 / 1,184.87	9

Lower Elevation	Address	Direction	Distance (mi/ft)	Map Key
MITCHELL & SON INC	451 N WALDRAN MEMPHIS TN 38105 ***FRS ID**: 110004954568*	NE	0.25 / 1,301.21	11
DIXIE MANUFACTURING COMPANY	1071 GALLOWAY MEMPHIS TN 38105 ***FRS ID**: 110011792300*	NE	0.25 / 1,339.38	12
COX PRINTING CO	467 N WALDRAN BLVD MEMPHIS TN 38105 ***FRS ID**: 110004999217*	NE	0.28 / 1,471.29	14
MEMPHIS HOUSING AUTHORITY-DIXIE HOME DEV	916 POPLAR AVE MEMPHIS TN 38105 ***FRS ID**: 110004951589*	SW	0.29 / 1,529.81	15
REGAL OLDSMOBILE	850 POPLAR AVE MEMPHIS TN 38104 ***FRS ID**: 110004964487*	WSW	0.29 / 1,548.47	16
272 N. BELLEVUE TOWNHOMES	272 NORTH BELLEVUE BLVD MEMPHIS TN 38105 ***FRS ID**: 110071946430*	ESE	0.34 / 1,788.15	20
VETERANS AFFAIRS MEDICAL CENTER	1030 JEFFERSON AVE MEMPHIS TN 38104 ***FRS ID**: 110009445948*	S	0.36 / 1,894.87	22
MEMPHIS VA MEDICAL CENTER	1030 JEFFERSON AVENUE MEMPHIS TN 38104 ***FRS ID**: 110070383112*	S	0.36 / 1,894.87	22
USVA VETERANS ADMIN HOSPITAL	1030 JEFFERSON AVE MEMPHIS TN 38104 ***FRS ID**: 110067808206*	S	0.36 / 1,894.87	22
MLGW DIVISION - MALLORY PUMPING STATION	488 NORTH DUNLAP MEMPHIS TN 38105 ***FRS ID**: 110018864558*	NW	0.39 / 2,065.98	24
MALLORY PUMPING STATION	488 NORTH DUNLAP MEMPHIS TN 38103 ***FRS ID**: 110070217327*	NW	0.39 / 2,065.98	24
TENNISON BROTHERS INC	450 N BELLEVUE BLVD MEMPHIS TN 38104 ***FRS ID**: 110004962498*	ENE	0.42 / 2,234.28	25
HART BILL	974 FAXON MEMPHIS TN 38105 ***FRS ID**: 110004971031*	N	0.43 / 2,295.17	28

Lower Elevation	Address	Direction	Distance (mi/ft)	Map Key
GS VEHICLE MAINTENANCE	MEMPHIS TN 38105 ***FRS ID**: 110027676799*	WNW	0.44 / 2,336.37	30
INSULATION AND REFRACTORIES SERVICES	MEMPHIS TN 38105 ***FRS ID**: 110027728369*	WNW	0.44 / 2,336.37	30
MEMPHIS BULK PLANT	MEMPHIS TN 38105 ***FRS ID**: 110027768100*	WNW	0.44 / 2,336.37	30
SHELBY COUNTY COURT OF MEMPHIS	MEMPHIS TN 38105 ***FRS ID**: 110027683175*	WNW	0.44 / 2,336.37	30
DOWNTOWN SHELL	MEMPHIS TN 38105 ***FRS ID**: 110027603715*	WNW	0.44 / 2,336.37	30
TN TECHOLOGY CENTER OF MEMPHIS	MEMPHIS TN 38105 ***FRS ID**: 110027730221*	WNW	0.44 / 2,336.37	30
GREYHOUND MAINTENANCE GARAGE	MEMPHIS TN 38105 ***FRS ID**: 110027665284*	WNW	0.44 / 2,336.37	30
(FORMERLY) CHIP BARWICK CHEVROLET	MEMPHIS TN 38105 ***FRS ID**: 110027747605*	WNW	0.44 / 2,336.37	30
POPLAR AVENUE BP	MEMPHIS TN 38105 ***FRS ID**: 110027703910*	WNW	0.44 / 2,336.37	30
INSULATION AND REFRACTORIES SERVICE	MEMPHIS TN 38105 ***FRS ID**: 110027728323*	WNW	0.44 / 2,336.37	30
WILLIAMS EXPRESS, INC. # 3254	MEMPHIS TN 38105 ***FRS ID**: 110027727173*	WNW	0.44 / 2,336.37	30
FORMER UNION GROVE BAPTIST CHURCH	MEMPHIS TN 38105 ***FRS ID**: 110027628976*	WNW	0.44 / 2,336.37	30
HARDY S SERVICE STATION	MEMPHIS TN 38105 ***FRS ID**: 110027694136*	WNW	0.44 / 2,336.37	30

Lower Elevation	Address	Direction	Distance (mi/ft)	Map Key
PUBLIC WORKS SEWER AND DRAIN MAINT	MEMPHIS TN 38105 ***FRS ID**: 110027616881*	WNW	0.44 / 2,336.37	30
GOODYEAR ASC (CLOSED)	MEMPHIS TN 38105 ***FRS ID**: 110027652118*	WNW	0.44 / 2,336.37	30
MALLORY PUMPING STATION	MEMPHIS TN 38105 ***FRS ID**: 110027741442*	WNW	0.44 / 2,336.37	30
AIR MASK SERVICE UNIT	MEMPHIS TN 38105 ***FRS ID**: 110027753857*	WNW	0.44 / 2,336.37	30
GREYHOUND TERMINAL	MEMPHIS TN 38105 ***FRS ID**: 110027673765*	WNW	0.44 / 2,336.37	30
UT MEDICAL GROUP	MEMPHIS TN 38105 ***FRS ID**: 110027733898*	WNW	0.44 / 2,336.37	30
FLEET SERVICES	MEMPHIS TN 38105 ***FRS ID**: 110027710172*	WNW	0.44 / 2,336.37	30
AUTO CHLOR SYSTEM	MEMPHIS TN 38105 ***FRS ID**: 110027752732*	WNW	0.44 / 2,336.37	30
SCOTT S UNION 76	MEMPHIS TN 38105 ***FRS ID**: 110027637699*	WNW	0.44 / 2,336.37	30
WATER SERVICE CENTER	MEMPHIS TN 38105 ***FRS ID**: 110027690498*	WNW	0.44 / 2,336.37	30
AMOCO OIL SS# 767	821 POPLAR AVE MEMPHIS TN 38105 ***FRS ID**: 110004994846*	WSW	0.44 / 2,343.17	31
LEBONHEUR CHILDREN'S MEDICAL CENTER	848 ADAMS AVENUE MEMPHIS TN 38103 ***FRS ID**: 110001859551*	SW	0.47 / 2,460.32	32
METHODIST LEBONHEUR PEDIATRIC CVICU EXPANSION	848 ADAMS AVE. MEMPHIS TN 38104 ***FRS ID**: 110070792825*	SW	0.47 / 2,460.32	32

Lower Elevation	Address	Direction	Distance (mi/ft)	Map Key
ST. JUDE PARKING LOT	PARKING LOT ADJACENT TO 757 GALLOWAY AVE MEMPHIS TN 38105 ***FRS ID**: 110070256407*	NW	0.47 / 2,489.59	33
HOSPITAL WING	UNKNOWN MEMPHIS TN 00000 ***FRS ID**: 110041612699*	S	0.49 / 2,563.43	34
BLAIR TOWER APARTMENTS	810 WASHINGTON MEMPHIS TN 38105 ***FRS ID**: 110028114555*	WSW	0.49 / 2,579.88	37
PERLMAN F & CO INC	476 NORTH MANASSAS MEMPHIS TN 38101 ***FRS ID**: 110004967484*	WNW	0.49 / 2,596.22	38

DOCKET HW - Hazardous Waste Compliance Docket Facilities

A search of the DOCKET HW database, dated Oct 3, 2025 has found that there are 1 DOCKET HW site(s) within approximately 0.50 miles of the project property.

Lower Elevation	Address	Direction	Distance (mi/ft)	Map Key
VA MEDICAL CENTER	1030 JEFFERSON AVENUE MEMPHIS TN ***EPA ID**: TNN000410932*	S	0.36 / 1,894.87	22

HIST RISK - Historical Business Activity Risk

A search of the HIST RISK database, dated Jan 1, 1960 has found that there are 3 HIST RISK site(s) within approximately 0.12miles of the project property.

Lower Elevation	Address	Direction	Distance (mi/ft)	Map Key
Gordon Cleaners & Dyers	311 Decatur Memphis TN	SSE	0.03 / 151.99	2
Young Auto Service So	370 Decatur Memphis TN	NNE	0.06 / 312.78	3
Kershaw Prince A	947 Peach av Memphis TN	WNW	0.12 / 658.94	4

State

SWM COMPLAINT - Solid Waste Management (SWM) Complaints

A search of the SWM COMPLAINT database, dated Feb 20, 2026 has found that there are 1 SWM COMPLAINT site(s) within approximately 0.25miles of the project property.

Lower Elevation	Address	Direction	Distance (mi/ft)	Map Key
McKenzie - Lane Auto Salvage	433 North Waldran Memphis TN	NE	0.22 / 1,160.62	8

NPDES - NPDES Permit Listing

A search of the NPDES database, dated Dec 31, 2022 has found that there are 4 NPDES site(s) within approximately 0.25miles of the project property.

Lower Elevation	Address	Direction	Distance (mi/ft)	Map Key
Legends Park Senior Building	945 Peach Avenue Memphis TN	WNW	0.13 / 669.74	5
BP's Lane Avenue Auto Parts, Inc.	433 North Waldran Blvd. Memphis TN	NE	0.22 / 1,160.62	8
McKenzie - Lane Auto Salvage	433 North Waldran Memphis TN	NE	0.22 / 1,160.62	8
Allmatic Inc	451 N Waldran Blvd Memphis TN	NE	0.25 / 1,301.21	11

Map: 1.0 Mile Radius

Order Number: 26030900404

Address: 981 Peach Avenue, Memphis, TN

- Project Property
- Buffer Outline
- Sites with Higher Elevation
- Sites with Same Elevation
- Sites with Lower Elevation
- Sites with Unknown Elevation
- Areas with Higher Elevation
- Areas with Same Elevation
- Areas with Lower Elevation
- Areas with Unknown Elevation
- Freeways; Highways
- Traffic Circle; Ramp
- Major & Minor Arterial
- Traffic Circle; Ramp
- Local Road
- Rail
- State
- Country
- National Wetland
- Indian Reserve Land
- 100 Year Flood Zone
- 500 Year Flood Zone
- FWS Special Designation Areas
- National Priorities List (Active, Delisted, Proposed, Institutional Control)

Source: © 2021 ESRI StreetMap Premium

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Map: 0.5 Mile Radius

Order Number: 26030900404

Address: 981 Peach Avenue, Memphis, TN

- Project Property
- Buffer Outline
- Sites with Higher Elevation
- Sites with Same Elevation
- Sites with Lower Elevation
- Sites with Unknown Elevation
- Areas with Higher Elevation
- Areas with Same Elevation
- Areas with Lower Elevation
- Areas with Unknown Elevation
- Freeways; Highways
- Traffic Circle; Ramp
- Major & Minor Arterial
- Traffic Circle; Ramp
- Local Road
- Rail
- State
- Country
- National Wetland
- Indian Reserve Land
- 100 Year Flood Zone
- 500 Year Flood Zone
- FWS Special Designation Areas
- National Priorities List (Active, Delisted, Proposed, Institutional Control)

Source: © 2021 ESRI StreetMap Premium

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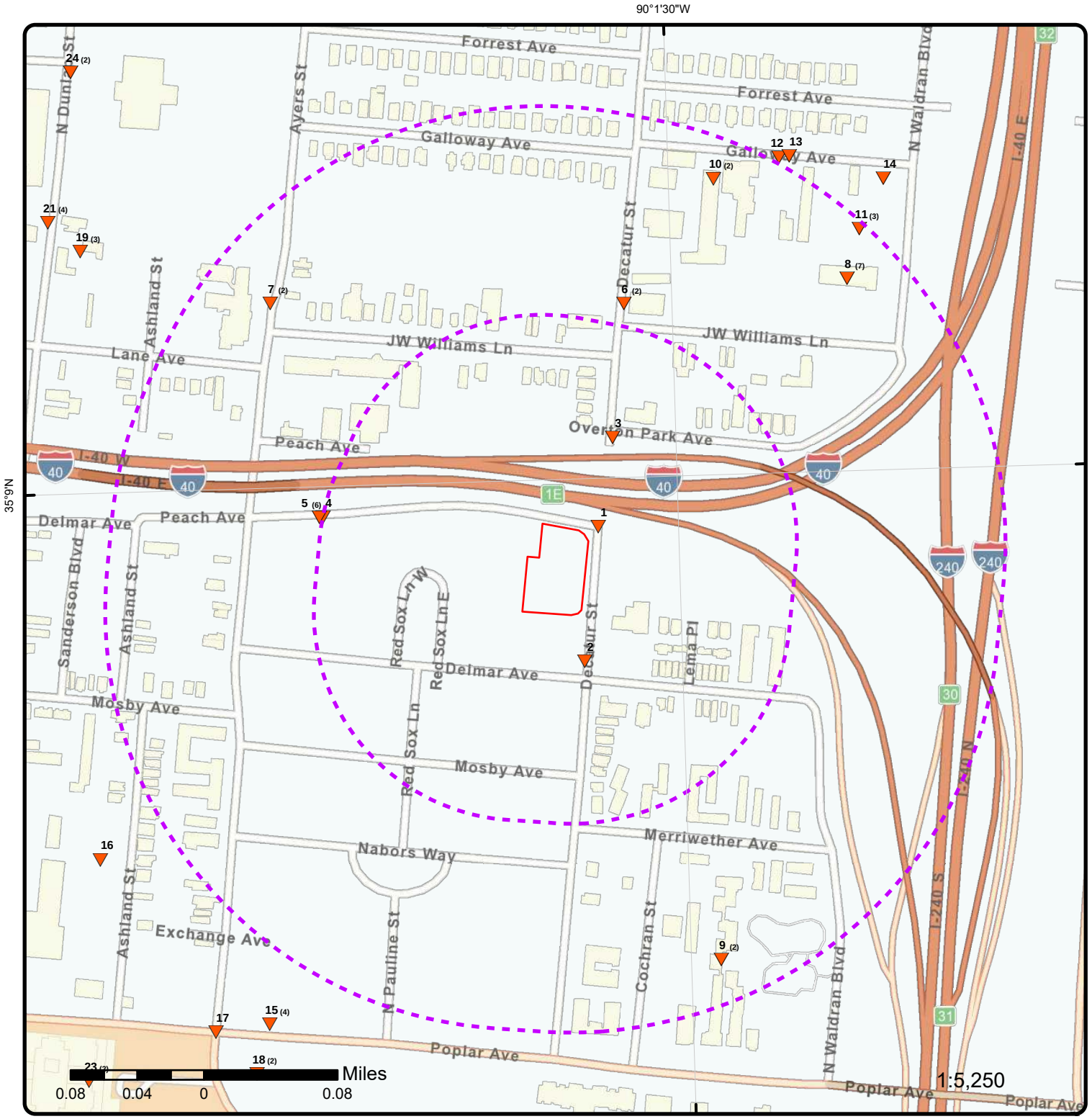

Map: 0.25 Mile Radius

Order Number: 26030900404

Address: 981 Peach Avenue, Memphis, TN

- Project Property
- Buffer Outline
- Sites with Higher Elevation
- Sites with Same Elevation
- Sites with Lower Elevation
- Sites with Unknown Elevation
- Areas with Higher Elevation
- Areas with Same Elevation
- Areas with Lower Elevation
- Areas with Unknown Elevation
- Freeways; Highways
- Traffic Circle; Ramp
- Major & Minor Arterial
- Traffic Circle; Ramp
- Local Road
- Rail
- State
- Country
- National Wetland
- Indian Reserve Land
- 100 Year Flood Zone
- 500 Year Flood Zone
- FWS Special Designation Areas
- National Priorities List (Active, Delisted, Proposed, Institutional Control)

Source: © 2021 ESRI StreetMap Premium

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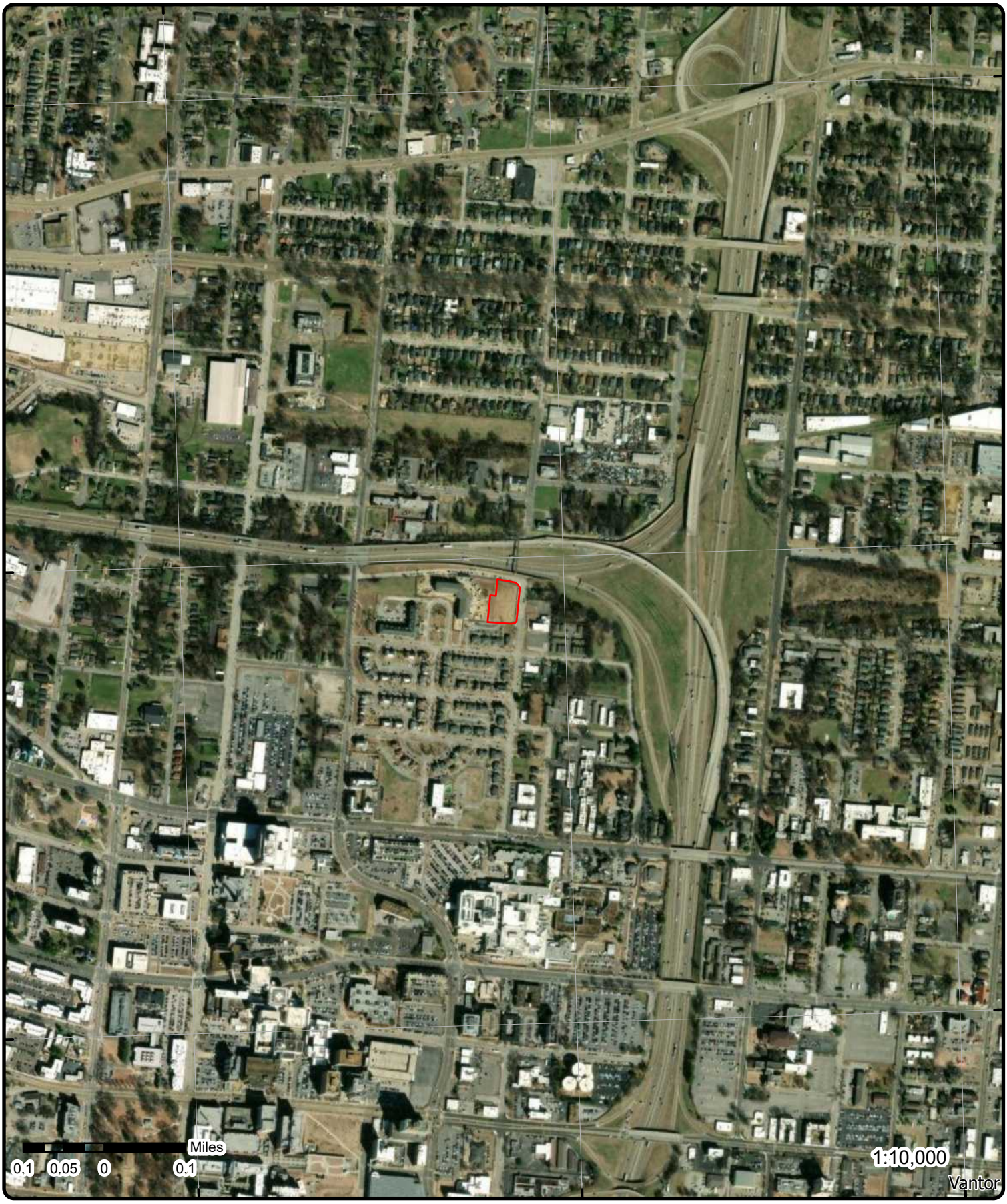

Aerial

Year: 2025

Order Number: 26030900404

Address: 981 Peach Avenue, Memphis, TN

Source: ESRI World Imagery

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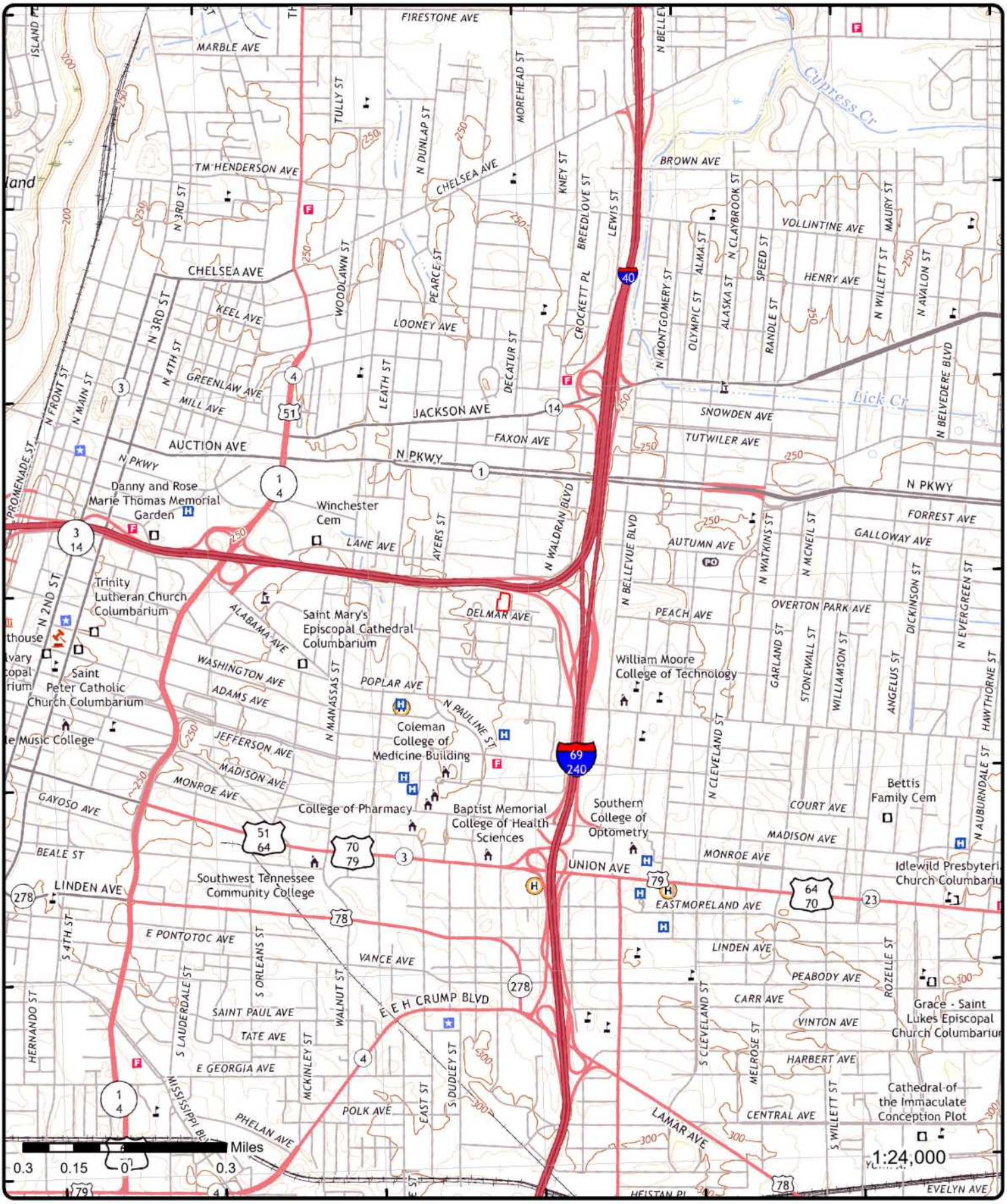

Topographic Map

Year: 2022

Order Number: 26030900404

Address: 981 Peach Avenue, TN

Quadrangle(s): Southwest Memphis TN,AR, Northwest Memphis TN,AR, Northeast Memphis TN

© ERIS Information Inc.

Source: USGS Topographic Map

Detail Report

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
1	1 of1	NE	0.01 / 51.68	255.43 / -22	H D CONSTRUCTION COMPANY DECATUR ST & PEACH AVE MEMPHIS TN 38105	OSHA

Activity No:	309227791	**Safety/Health:**	Safety
Reporting ID:	0454711	**Safety Manufacturing:**	
Establishment Name:	H D CONSTRUCTION COMPANY	**Safety Construction:**	X
Open Date:	2005-09-07	**Safety Maritime:**	
Case Closed Date:	2005-09-23	**Health Manufacturing:**	
Owner Type:	Private	**Health Construction:**	
Owner Code:	0000	**Health Maritime:**	
Inspection Type:	Complaint	**SIC Code:**	1771
Inspection Scope:	Partial	**SIC Desc:**	Concrete work
Why No Inspection:		**NAICS Code:**	238110
Advance Notice:	No	**NAICS Desc:**	Poured concrete foundation and structure contractors
Union Status:	No	**Mail Street:**	P. O. BOX 3138
No. of Employees:	8	**Mail City:**	FLORENCE
Migrant:		**Mail State:**	AL
State Flag:		**Mail Zip:**	35631
Host Establishment Key:	N125 000043508		
Case Modification Date:	2008-03-31		
Close Conference Date:	2005-09-07		
Load Date Timestamp:	2011-10-14 16:38:47 EDT		

OSHA Related Activity

Related Activity NR:	205509730
Related Activity Type:	C
Related Activity Safety:	X
Related Activity Health:	
Load Date Timestamp:	2011-10-14 16:41:57 EDT

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
2	1 of1	SSE	0.03 / 151.99	261.11 / -16	Gordon Cleaners & Dyers 311 Decatur Memphis TN	HIST RISK

Historic Potential Business Activity Risk

Year:	1930
Directory Publisher:	POLKS
Broad Term:	Potential Hazardous Chemical User
Directory Heading:	CLOTHES PRESSERS AND CLEANERS
Listing:	Gordon Cleaners & Dyers
Address:	311 Decatur
Address2:	
City:	Memphis
State:	TN
Zip:	

Historic Potential Business Activity Risk

Year:	1930
Directory Publisher:	POLKS

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Broad Term: Potential Hazardous Chemical User
Directory Heading: CLEANERS GARMETS CURTAINS AND DRAPERIES
Listing: Gordon Cleaners & Dyers
Address: 311 Decatur
Address2:
City: Memphis
State: TN
Zip:

Historic Potential Business Activity Risk

Year: 1935
Directory Publisher: POLKS
Broad Term: Potential Hazardous Chemical User
Directory Heading: CLOTHES PRESSERS AND CLEANERS
Listing: Gordon Cleaners
Address: 311 Decatur
Address2:
City: Memphis
State: TN
Zip:

3	1 of1	NNE	0.06 / 312.78	260.02 / -17	Young Auto Service So 370 Decatur Memphis TN	HIST RISK

Historic Potential Business Activity Risk

Year: 1925
Directory Publisher: POLKS
Broad Term: Fuel and Automotive
Directory Heading: GARAGES
Listing: Young Auto Service So
Address: 370 Decatur
Address2:
City: Memphis
State: TN
Zip:

4	1 of1	WNW	0.12 / 658.94	250.28 / -27	Kershaw Prince A 947 Peach av Memphis TN	HIST RISK

Historic Potential Business Activity Risk

Year: 1935
Directory Publisher: POLKS
Broad Term: Potential Hazardous Chemical User
Directory Heading: CLOTHES PRESSERS AND CLEANERS
Listing: Kershaw Prince A
Address: 947 Peach av
Address2:
City: Memphis
State: TN
Zip:

5	1 of6	WNW	0.13 / 669.74	250.28 / -27	LEGENDS PARK SENIOR BUILDING 945 PEACH AVENUE MEMPHIS TN 38105	ECHO

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

FRS ID:	110071510972	**Facility Latitude:**	35.14948
Fac EPA Region:	04	**Facility Longitude:**	-90.02758
Facility County:	SHELBY		

Facility Details

Major Facility?:		**Air?:**	No
Active/Operating?:	Yes	**NPDES?:**	Yes
Compliance Status:	No Violation Identified	**SDWIS?:**	No
Signif Non Compl?:	No	**RCRA?:**	No
Programs with SNC:	0	**TRI?:**	No
Qtrs with NC:	0	**GHG?:**	No
3Yr Compliance Hist:	_____	**SIC Codes:**	
Formal Action Count:	0	**NAICS Codes:**	
Last Formal Action:		**FIPS Code:**	47157
Last EPA Formal Act:		**Indian/Tribal?:**	No
Last State Formal Act:		**Federal ?:**	
Informal Count:	0	**Federal Agency:**	
Last Informal Action:		**Chesapeake Bay?:**	
Last EPA Informal A:		**NAA?:**	No
Last State Informal A:		**Coordinate Method:**	UNKNOWN
Total Penalties:	0	**Reference Point:**	
Penalty Count:		**Accuracy (Meters):**	17450
Date of Last Penalty:		**Inspection Count:**	0
Last Penalty Amount:	0	**Last Inspection:**	
myRTK Universe:	NNN	**Last EPA Inspection:**	
Dschg Impair Water?:	Yes	**Last State Inspection:**	
EJ Screen 80%:		**Days Last Inspection:**	
DFR URL:	http://echo.epa.gov/detailed-facility-report?fid=110071510972		

Clean Water Act (CWA)

NPDES ID(s):	TNR155485	**Penalties:**	
Permit Types:	Non-M	**Last Penalty Date:**	
Compliance Trcking:	On	**Last Penalty Amt:**	
CWA NAICS:		**Qtrs With NC:**	0
CWA SICS:		**Compliance Status:**	No Violation Identified
Inspection Count:		**SNC ?:**	No
Informal Count:		**3Yr QNCR Codes:**	
Formal Action Count:			
Days since Last Inspection:			
Date of Last Formal Action:			
13Qtrs Compl History:	_____		
13Qtrs Effint Exceedances:			

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
5	2 of6	WNW	0.13 / 669.74	250.28 / -27	LEGENDS PARK NORTH/WEST (PEACH AVENUE/BLOCK A EAST) 945 PEACH AVENUE MEMPHIS TN	LUR

Dor Site ID:	79846S1	**EFO:**	MEMPHIS
Site Status:	OPEN	**County:**	SHELBY
File Type:	LAND USE RESTRICTION	**Site Latitude:**	35.147476
Site Acreage:	3.82	**Site Longitude:**	-90.028673

LUR Details

Correspondence Type:	INCOMING
Description:	NLUR RECORDED ON 11/21/2025
Document Date:	11/21/2025
Date Received:	
View:	https://dataviewers.tdec.tn.gov/dataviewers/apex_util.count_click?p_url=bgdor.GET_DOCUMENTS?p_file=1090648959539253292&p_cat=DOCS&p_id=1090648959539253292&p_user=GUEST&p_workspace=19833722515258996">

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

LUR Details

Correspondence Type: REFERENCE
Description: 01/13/2012 ORIGINAL NLUR FOR LEGENDS PARK
Document Date: 1/13/2012
Date Received:
View: https://dataviewers.tdec.tn.gov/dataviewers/apex_util.count_click?p_url=bgdor.GET_DOCUMENTS?p_file=851878955074323987&p_cat=DOCS&p_id=851878955074323987&p_user=GUEST&p_workspace=19833722515258996">

---

5 | ***3 of6*** | ***WNW*** | ***0.13 / 669.74*** | ***250.28 / -27*** | ***Legends Park Senior Building 945 Peach Avenue Memphis TN*** | ***NPDES***

Permit No: TNR155485
Site ID: 177777
TDOT Pin:
TDOT Project No:
MS4: TNS068276
Std Indust Class:
Hydro Code: 08010100
Status: Active
Type: CGP
Rating: N/A
Site Name: Legends Park Senior Building
Permittee Name: PennRose, LLC
Project Name: Legends Park Senior Building
ARAP Type:
Activity Desc: Legends Park Senior Building
Effluent Desc:
Receiving Stream: Mississippi River Tributary
Location: 945 Peach Avenue
Permit Type Desc: General NPDES Permit for Storm Water Discharges Associated with Construction Activity

Expiration Dt:
Effective Dt: 03-OCT-2023
Issued Dt:
App to NonComm Off: 29-SEP-2023
Discharge Code:
Discharge Cd Desc:
Watershed Name: Mississippi
Env Fld Office Nm: Memphis
County: Shelby
Status Desc: Active Pemit

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5 | ***4 of6*** | ***WNW*** | ***0.13 / 669.74*** | ***250.28 / -27*** | ***LEGENDS PARK SENIOR BUILDING 945 PEACH AVENUE MEMPHIS MEMPHIS TN 38105*** | ***NPDES***

ICIS Fac Interest ID: 3601578098
NPDES ID: TNR155485
Facility UIN: 110071510972
Fac Type Cd:
Fac Type Desc:
Impaired Waters: 303(D) Listed

County Code: TN157
County: SHELBY
County Full: Shelby County
Geocode Lat: 35.14948
Geocode Long: -90.02758

ICIS Permits

Activity ID: 3603742214
Version No: 0
Orig Issue Date: 10/03/2023
Issue Date: 10/03/2023
Effective Date: 10/03/2023
Expiration Date: 09/30/2026
Retirement Date:
Termination Date:
Fac Type Indicator: NON-POTW
Permit Type Code: GPC
Permit Type Desc: General Permit Covered Facility
Issuing Agency: TDEC - DWR
Permit Name: PennRose, LLC
Major Minor Status Flag: N
Major Minor Status Desc: Minor Discharger

Agency Type Code: ST6
Agency Type Desc: State
Prmt Comp Stat Flag: Yes
RNC Tracking Flag: Yes
Master Exter Prmt No: TNR100000
TMDL Interface Flag:
State Wtr Body: 08010100
State Wtr Body Nme: Mississippi
Prmt Status Code: EFF
Prmt Status Desc: Effective
Cmpt Type Code: SWC
Cmpt Type Desc: Storm Water Construction

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Total Design Flow No:
Actual Avg Flow No:
Edmr Auth Flag: No
Pretrmt Indicator Code:
Pretrmt Indicator Desc:
Dmr Non Receipt Flag: Yes

Data Groups

Activity ID: 3603742214
Created Date: 10/04/2023
Updated Date: 10/04/2023
Version No: 0
Npdes Data Group Code: G2B
Npdes Data Group Desc: Notices of Termination (NOTs)

Data Groups

Activity ID: 3603742214
Created Date: 10/04/2023
Updated Date: 10/04/2023
Version No: 0
Npdes Data Group Code: G2A
Npdes Data Group Desc: General Permit Reports [Notices of Intent to discharge] (NOIs)

5	*5 of6*	*WNW*	*0.13 / 669.74*	*250.28 / -27*	***LEGENDS PARK NORTH/WEST (PEACH AVENUE/BLOCK A EAST)*** ***945 PEACH AVENUE*** ***MEMPHIS TN***	***REMEDIATION***

DOR Site ID: 79846S1
Status: OPEN
EPA Facility ID:
EPA Registry ID:
Delisted:
Promulgated Date:
Development District: MIDSOUTH DEVELOPMENT DISTRICT
DOR EFO: MEMPHIS
Program: VOLUNTARY
County: SHELBY
Latitude: 35.147476
Longitude: -90.028673
Acres: 3.82

5	*6 of6*	*WNW*	*0.13 / 669.74*	*250.28 / -27*	***LEGENDS PARK NORTH/WEST (PEACH AVENUE/BLOCK A EAST)*** ***945 PEACH AVENUE*** ***MEMPHIS TN***	***VCP***

Site ID: 79846S1
EPA Facility ID:
EPA Registry ID:
Status: OPEN
Acres: 3.82
Delisted:
Development District: MIDSOUTH DEVELOPMENT DISTRICT
Program: VOLUNTARY
EFO: MEMPHIS
County: SHELBY
Latitude: 35.147476
Longitude: -90.028673
Promulgated:

6	*1 of2*	*NNE*	*0.14 / 731.33*	*262.26 / -15*	***MEMPHIS LIGHT GAS AND WATER DIVISION*** ***418 DECATUR LANE*** ***MEMPHIS TN 38105***	***ECHO***

FRS ID: 110005006741
Fac EPA Region:
Facility County: SHELBY
Facility Latitude: 35.1516
Facility Longitude: -90.02553

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Facility Details

Major Facility?:		***Air?:***	No
Active/Operating?:		***NPDES?:***	No
Compliance Status:	No Violation Identified	***SDWIS?:***	No
Signif Non Compl?:	No	***RCRA?:***	Yes
Programs with SNC:	0	***TRI?:***	No
Qtrs with NC:	0	***GHG?:***	No
3Yr Compliance Hist:	_____	***SIC Codes:***	
Formal Action Count:	0	***NAICS Codes:***	2211
Last Formal Action:		***FIPS Code:***	47157
Last EPA Formal Act:		***Indian/Tribal?:***	No
Last State Formal Act:		***Federal ?:***	
Informal Count:	0	***Federal Agency:***	
Last Informal Action:		***Chesapeake Bay?:***	
Last EPA Informal A:		***NAA?:***	No
Last State Informal A:		***Coordinate Method:***	ADDRESS MATCHING-HOUSE NUMBER
Total Penalties:	0	***Reference Point:***	CENTER OF A FACILITY OR STATION
Penalty Count:		***Accuracy (Meters):***	30
Date of Last Penalty:		***Inspection Count:***	0
Last Penalty Amount:	0	***Last Inspection:***	
myRTK Universe:	NNN	***Last EPA Inspection:***	
Dschg Impair Water?:		***Last State Inspection:***	
EJ Screen 80%:		***Days Last Inspection:***	

DFR URL: http://echo.epa.gov/detailed-facility-report?fid=110005006741

Resource Conservation and Recovery Act (RCRA)

RCRA ID(s):	TNR000007278	***Penalties:***	
Permit Types:	Other	***Last Penalty Date:***	
RCRA NAICS:	2211	***Last Penalty Amt:***	
Inspection Count:		***Qtrs with NC:***	0
Informal Count:		***Compliance Status:***	No Violation Identified
Formal Action Cnt:		***SNC ?:***	No
Days since Last Evaluation:			
Date of Last Formal Action:			
3Yr Compl Qtrs History:	_____		

6	*2 of2*	***NNE***	***0.14 / 731.33***	***262.26 / -15***	***MEMPHIS LIGHT GAS AND WATER DIVISION 418 DECATUR LANE MEMPHIS TN 38105***	***RCRA NON GEN***

Handler ID: TNR000007278
Generator Status: N
Recycler Activity?: NO
Recycler Activity Note: This facility has not been identified as a Recycler Facility from both the RCRA Handler and Biennial Report Modules.

Violation/Evaluation Summary

Note: NO RECORDS: As of Nov 2025, there are no Compliance Monitoring and Enforcement (violation) records associated with this facility (EPA ID).

Handler Summary

Importer:	No	***Used Oil Transpor:***	No
Mixed Waste Gen:	No	***Used Oil Trans Fac:***	No
Transporter:	No	***Used Oil Processor:***	No
Transfer Facility:	No	***Used Oil Refiner:***	No
Recycler:	No	***Used Oil Burner:***	No
Onsite Burner Exem:	No	***Commercial TSD:***	No
Furnace Exemption:	No	***Recycl Nonstorage:***	No
Underground Injec:	No		

Used Oil Market Burner: No
Used Oil Spec Marketer: No

Additional Handler Summary Details

Source Type:	N	**NAIC 1:**	2211
Seq No:	1	**NAIC 2:**	
Non Notifier:		**NAIC 3:**	
Receive Date:	20000303	**NAIC 4:**	
Active Site:	-----	**State:**	TN
Land Type:		**Location Latitude:**	35.151529
In Handler Univ:	N	**Location Longitude:**	-90.02554
In A Universe:	N	**Loc GIS Primary:**	N
Gen Status:	N	**Loc GIS Origin:**	AG
Report Cycle:		**State District Owner:**	TN
Accessibility:		**State District:**	106
Region:	04		

Fed Waste Gen Owner: HQ
State Waste Generator Owner: HQ
State Waste Generator: N
Short Term Generator: N
Uni Waste: N
Universal Waste Dest Facility: N
Federal Universal Waste: N
As Federally Regulated Tsdf: ------
As Converter Tsdf: ------
As State Regulated Tsdf: ------
As State Regulated Handler: ---
Federal Indicator: ---
Hsm: N
Subpart K: ----
GPRA Permit: N
GPRA Renewal: N
Permit Renewal Wrkld: ------
Permwrk ID: ------
Perm Prog: ------
Pcwrkld: ------
Closwrkld: ------
GPRA Ca: N
Cawrkld: N
Subjca Tsd Discretion: N
NCAPS: N
EC Indicator: N
Ca725 Indicator: N
Ca750 Indicator: N
Operating Tsdf: ------
Full Enforcement: ------
Snc: N
Unaddressed Snc: N
Addressed Snc: N
Snc With Comp Sched: N
Fa Required: -----
Hhandler Last Change: 20000902
Recognized Trader Importer: N
Recognized Trader Exporter: N
Slab Importer: N
Slab Exporter: N
Manifest Broker: N
Subpart P: N
Contact Language: EN
Handler Name: MEMPHIS LIGHT GAS AND WATER DIVISION
Location Street No: 418
Location Street1: DECATUR LANE
Location Street2:
Location City: MEMPHIS
Location State: TN
Location Zip: 38105
Location County Code: TN157

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Location County Name: SHELBY
Location Country: US
Contact Name: MONICA DARBY
Contact Street No:
Contact Street1: 418 DECATUR LANE
Contact Street2:
Contact City: MEMPHIS
Contact State: TN
Contact Zip: 38105
Contact Country: US
Contact Phone & Ext: 901-528-4423
Contact Fax:
Contact Email Address:
Contact Title:
Owner Name:
Owner Type:
Owner Seq:
Operator Name:
Operator Type:
Operator Seq:
Public Notes:

Hazardous Waste Handler Details

Seq No: 1
Receive Date: 20000303
Handler Name: MEMPHIS LIGHT GAS AND WATER DIVISION
Fed Waste Generator: N
Generator Code Description: Not a Generator, Verified
Source Type: Notification
TSD Activity: N

7	1 of2	NW	0.21 / 1,108.06	259.19 / -18	COLLINS CHAPEL HOSP HLTH CTR 409 N AYERS ST MEMPHIS TN 38107	ECHO

FRS ID: 110004978980
Fac EPA Region: 04
Facility County: SHELBY
Facility Latitude: 35.15154
Facility Longitude: -90.02923

Facility Details

Major Facility?:
Active/Operating?:
Compliance Status: No Violation Identified
Signif Non Compl?: No
Programs with SNC: 0
Qtrs with NC: 0
3Yr Compliance Hist: _____
Formal Action Count: 0
Last Formal Action:
Last EPA Formal Act:
Last State Formal Act:
Informal Count: 0
Last Informal Action:
Last EPA Informal A:
Last State Informal A:
Total Penalties: 0
Penalty Count:
Date of Last Penalty:
Last Penalty Amount: 0
myRTK Universe: NNN
Dschg Impair Water?:
EJ Screen 80%:
Air?: No
NPDES?: No
SDWIS?: No
RCRA?: Yes
TRI?: No
GHG?: No
SIC Codes:
NAICS Codes: 62211
FIPS Code: 47157
Indian/Tribal?: No
Federal ?:
Federal Agency:
Chesapeake Bay?:
NAA?: No
Coordinate Method: ADDRESS MATCHING-HOUSE NUMBER
Reference Point: CENTER OF A FACILITY OR STATION
Accuracy (Meters): 30
Inspection Count: 0
Last Inspection:
Last EPA Inspection:
Last State Inspection:
Days Last Inspection:

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

DFR URL: http://echo.epa.gov/detailed-facility-report?fid=110004978980

Resource Conservation and Recovery Act (RCRA)

RCRA ID(s): TND081341950
Permit Types: Other
RCRA NAICS: 62211
Inspection Count:
Informal Count:
Formal Action Cnt:
Days since Last Evaluation:
Date of Last Formal Action:
3Yr Compl Qtrs History: _____

Penalties:
Last Penalty Date:
Last Penalty Amt:
Qtrs with NC: 0
Compliance Status: No Violation Identified
SNC ?: No

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
7	2 of2	NW	0.21 / 1,108.06	259.19 / -18	COLLINS CHAPEL HOSP HLTH CTR 409 N AYERS ST MEMPHIS TN 38107	RCRA NON GEN

Handler ID: TND081341950
Generator Status: N
Recycler Activity?: NO
Recycler Activity Note: This facility has not been identified as a Recycler Facility from both the RCRA Handler and Biennial Report Modules.

Violation/Evaluation Summary

Note: NO RECORDS: As of Nov 2025, there are no Compliance Monitoring and Enforcement (violation) records associated with this facility (EPA ID).

Handler Summary

Importer: No
Mixed Waste Gen: No
Transporter: No
Transfer Facility: No
Recycler: No
Onsite Burner Exem: No
Furnace Exemption: No
Underground Injec: No
Used Oil Market Burner: No
Used Oil Spec Marketer: No

Used Oil Transpor: No
Used Oil Trans Fac: No
Used Oil Processor: No
Used Oil Refiner: No
Used Oil Burner: No
Commercial TSD: No
Recycl Nonstorage: No

Additional Handler Summary Details

Source Type: N
Seq No: 1
Non Notifier:
Receive Date: 19801119
Active Site: -----
Land Type:
In Handler Univ: N
In A Universe: N
Gen Status: N
Report Cycle:
Accessibility:
Region: 04
Fed Waste Gen Owner: HQ
State Waste Generator Owner: HQ
State Waste Generator: N
Short Term Generator: N
Uni Waste: N
Universal Waste Dest Facility: N
Federal Universal Waste: N

NAIC 1: 62211
NAIC 2:
NAIC 3:
NAIC 4:
State: TN
Location Latitude:
Location Longitude:
Loc GIS Primary: N
Loc GIS Origin:
State District Owner: TN
State District: 106

As Federally Regulated Tsdf:	------
As Converter Tsdf:	------
As State Regulated Tsdf:	------
As State Regulated Handler:	---
Federal Indicator:	---
Hsm:	N
Subpart K:	----
GPRA Permit:	N
GPRA Renewal:	N
Permit Renewal Wrkld:	------
Permwrk ID:	------
Perm Prog:	------
Pcwrkld:	------
Closwrkld:	------
GPRA Ca:	N
Cawrkld:	N
Subjca Tsd Discretion:	N
NCAPS:	N
EC Indicator:	N
Ca725 Indicator:	N
Ca750 Indicator:	N
Operating Tsdf:	------
Full Enforcement:	------
Snc:	N
Unaddressed Snc:	N
Addressed Snc:	N
Snc With Comp Sched:	N
Fa Required:	-----
Hhandler Last Change:	20000902
Recognized Trader Importer:	N
Recognized Trader Exporter:	N
Slab Importer:	N
Slab Exporter:	N
Manifest Broker:	N
Subpart P:	N
Contact Language:	EN
Handler Name:	COLLINS CHAPEL HOSP HLTH CTR
Location Street No:	409
Location Street1:	N AYERS ST
Location Street2:	
Location City:	MEMPHIS
Location State:	TN
Location Zip:	38107
Location County Code:	TN157
Location County Name:	SHELBY
Location Country:	US
Contact Name:	COLLINS CHAPEL
Contact Street No:	
Contact Street1:	409 N AYERS ST
Contact Street2:	
Contact City:	MEMPHIS
Contact State:	TN
Contact Zip:	38107
Contact Country:	US
Contact Phone & Ext:	615-555-1212
Contact Fax:	
Contact Email Address:	
Contact Title:	
Owner Name:	
Owner Type:	
Owner Seq:	
Operator Name:	
Operator Type:	
Operator Seq:	
Public Notes:	

Hazardous Waste Handler Details

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
8	1 of7	NE	0.22 / 1,160.62	260.61 / -16	BP'S LANE AVENUE AUTO PARTS, INC. 433 NORTH WALDRAN BLVD. MEMPHIS TN 38105	CEA

Seq No: 1
Receive Date: 19801119
Handler Name: COLLINS CHAPEL HOSP HLTH CTR
Fed Waste Generator: N
Generator Code Description: Not a Generator, Verified
Source Type: Notification
TSD Activity: N

Registry ID: 110059710638
Primary SIC Cd(s): 5015
Prim NAICS Cd(s):

Civil Enforcement Case Details

Case No: TN-200102893
Activity ID: 3400282515

Case Information

Case Name: BP's Lane Avenue Auto Parts
Case Status Date: 07/22/2014
DOJ Docket No:
Regional Docket No:
Lead: State
Fiscal Year:
Multimedia Flag:
State Code: TN
Region Code: 04
Activity Name: BP's Lane Avenue Auto Parts
Activity Type Cd: AIF
Activity Type Desc: Administrative - Informal
Activity Status Cd: ACH
Activity Status Desc: Achieved
Activity Status Date: 07/22/2014
HQ Division:
Branch:
Vol Self Disclosure Flag:
ENF Outcome Cd:
ENF Outcome Desc:
ENF Summary Text:
Total Penalty Assessed Amt:
Total Cost Recovery Amt:
Total Comp Action Amt:

Laws Sections

Rank Order: 0
Statute Code: CWA
Law Section Code: OTHER
Law Section Desc: Violations not covered elsewhere

Case Facilities

Primary SIC Code: 5015
Primary NAICS Code:
Facility Name: BP'S LANE AVENUE AUTO PARTS, INC.
Location Address: 433 NORTH WALDRAN BLVD.

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

City: MEMPHIS
State Code: TN
Zip: 38105

Enforcement Type

ENF Type Code: NOV
ENF Type Desc: Notice of Violation

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8 | ***2 of7*** | ***NE*** | ***0.22 / 1,160.62*** | ***260.61 / -16*** | ***BP'S LANE AVENUE AUTO PARTS, INC.***
433 NORTH WALDRAN BLVD.
MEMPHIS TN 38105 | ***ECHO***

FRS ID: 110059710638
Fac EPA Region: 04
Facility County: SHELBY
Facility Latitude: 35.15147
Facility Longitude: -90.02256

Facility Details

Major Facility?:
Active/Operating?: Yes
Compliance Status: No Violation Identified
Signif Non Compl?: No
Programs with SNC: 0
Qtrs with NC: 0
3Yr Compliance Hist: _____
Formal Action Count: 0
Last Formal Action:
Last EPA Formal Act:
Last State Formal Act:
Informal Count: 0
Last Informal Action: 07/22/2014
Last EPA Informal A:
Last State Informal A: 07/22/2014
Total Penalties: 0
Penalty Count:
Date of Last Penalty:
Last Penalty Amount: 0
myRTK Universe: NNN
Dschg Impair Water?: Yes
EJ Screen 80%:
DFR URL: http://echo.epa.gov/detailed-facility-report?fid=110059710638

Air?: No
NPDES?: Yes
SDWIS?: No
RCRA?: No
TRI?: No
GHG?: No
SIC Codes: 5015
NAICS Codes:
FIPS Code: 47157
Indian/Tribal?: No
Federal ?:
Federal Agency:
Chesapeake Bay?:
NAA?: No
Coordinate Method: ADDRESS MATCHING-HOUSE NUMBER
Reference Point: CENTER OF A FACILITY OR STATION
Accuracy (Meters): 30
Inspection Count: 0
Last Inspection: 03/01/2016
Last EPA Inspection:
Last State Inspection: 03/01/2016
Days Last Inspection: 3519

Clean Water Act (CWA)

NPDES ID(s): TNR056533
Permit Types: Non-M
Compliance Trcking: On
CWA NAICS:
CWA SICS: 5015
Inspection Count:
Informal Count:
Formal Action Count:
Days since Last Inspection: 3518
Date of Last Formal Action:
13Qtrs Compl History: _____
13Qtrs Effint Exceedances:

Penalties:
Last Penalty Date:
Last Penalty Amt:
Qtrs With NC: 0
Compliance Status: No Violation Identified
SNC ?: No
3Yr QNCR Codes:

---

8 | ***3 of7*** | ***NE*** | ***0.22 / 1,160.62*** | ***260.61 / -16*** | ***BP'S LANE AVENUE AUTO PARTS, INC.***
433 NORTH WALDRAN BLVD.
MEMPHIS TN 38105 | ***ECHO***

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

FRS ID:	3400083528	**Facility Latitude:**	35.151095
Fac EPA Region:	04	**Facility Longitude:**	-90.03412
Facility County:			

Facility Details - Data Download

Compliance Status:		**Federal?:**	
Active/Operating:		**Federal Agency Nam:**	
SNC?:	No	**SIC Codes:**	
Qtrs in NC?:		**NAICS Codes:**	
Formal Action Cnt:	0	**EJ Screen 80%:**	
Last Formal Action:		**Indian/Tribal?:**	N
Informal Count:	0	**Indian/Spatial?:**	No
Total Penalties:	0	**Tile Proxmty NPDES:**	
Penalty Count:		**Tile Proximity NPL:**	
Dt of Last Penalty:		**Tile Proximity RMP:**	
Last Penalty Amt:		**Tile Proximty TSDF:**	
Inspection Count:	0	**Tile O3:**	
Dt of Last Inspect:		**Tile PM:**	
RMP ID(s):		**Tile PCT Pre 1960:**	
EIS ID(s):		**Tile DPM:**	
SEMS IDs:		**Mapped:**	Yes
EPCRA Inspctns 5Yr:		**State County FIPS Cd:**	
FIFRA Inspctns 5Yr:		**County [FRS]:**	
NAA Stndr Classfd as Nonattn:			
NAA Stndr Classfd Maintennc:			
Nonattain Pollutants in NAAs:			
Maintenance Pollutants NAAs:			
Within a Nonattaining NAA:			
Within a Maintenance NAA:			
Date of Last Inspection (EPA):			
Dt Last Inspection(State/Local):			
Days since Last Inspection:			
DFR URL:	https://echo.epa.gov/detailed-facility-report?fid=3400083528		

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
8	4 of7	NE	0.22 / 1,160.62	260.61 / -16	McKenzie - Lane Auto Salvage 433 North Waldran Memphis TN	NPDES

Permit No:	TNR050577	**Expiration Dt:**	31-DEC-2006
Site ID:	7529	**Effective Dt:**	12-MAY-2002
TDOT Pin:		**Issued Dt:**	08-MAY-2002
TDOT Project No:		**App to NonComm Off:**	07-MAY-2002
MS4:	TNS068276	**Discharge Code:**	
Std Indust Class:	5015	**Discharge Cd Desc:**	
Hydro Code:	08010210	**Watershed Name:**	Wolf
Status:	Inactive	**Env Fld Office Nm:**	Memphis
Type:	TMSP	**County:**	Shelby
Rating:	N/A	**Status Desc:**	Inactivated
Site Name:	McKenzie - Lane Auto Salvage		
Permittee Name:	McKenzie - Lane Auto Salvage		
Project Name:			
ARAP Type:			
Activity Desc:	Auto Recycling		
Effluent Desc:			
Receiving Stream:	Unnamed tributary to the Wolf River		
Location:	433 North Waldran		
Permit Type Desc:	Tennessee Storm Water Multi-Sector General NPDES Permit for Industrial Activities		

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
8	5 of7	NE	0.22 / 1,160.62	260.61 / -16	BP's Lane Avenue Auto Parts, Inc. 433 North Waldran Blvd. Memphis TN	NPDES

Permit No:	TNR056533	**Expiration Dt:**	30-JUN-2025
Site ID:	11751	**Effective Dt:**	20-JUL-2020

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

TDOT Pin:		**Issued Dt:**	19-JUL-2020
TDOT Project No:		**App to NonComm Off:**	15-MAR-2016
MS4:	TNS068276	**Discharge Code:**	
Std Indust Class:	5015	**Discharge Cd Desc:**	
Hydro Code:	08010210	**Watershed Name:**	Wolf
Status:	Active	**Env Fld Office Nm:**	Memphis
Type:	TMSP	**County:**	Shelby
Rating:	N/A	**Status Desc:**	Active Pemit
Site Name:	BP's Lane Avenue Auto Parts, Inc.		
Permittee Name:	BP's Lane Avenue Auto Parts, Inc.		
Project Name:			
ARAP Type:			
Activity Desc:			
Effluent Desc:			
Receiving Stream:	Cypress Creek		
Location:	433 North Waldran Blvd.		
Permit Type Desc:	Tennessee Storm Water Multi-Sector General NPDES Permit for Industrial Activities		

8	***6 of7***	***NE***	***0.22 / 1,160.62***	***260.61 / -16***	***BP'S LANE AVENUE AUTO PARTS, INC.*** ***433 NORTH WALDRAN BLVD.*** ***MEMPHIS*** ***MEMPHIS TN 38105***	***NPDES***

ICIS Fac Interest ID:	3400083529	**County Code:**	TN157
NPDES ID:	TNR056533	**County:**	SHELBY
Facility UIN:	110059710638	**County Full:**	Shelby County
Fac Type Cd:		**Geocode Lat:**	35.151686
Fac Type Desc:		**Geocode Long:**	-90.023152
Impaired Waters:	303(D) Listed		

ICIS Permits

Activity ID:	3602392644	**Agency Type Code:**	ST6
Version No:	0	**Agency Type Desc:**	State
Orig Issue Date:	09/09/2009	**Prmt Comp Stat Flag:**	
Issue Date:	07/20/2020	**RNC Tracking Flag:**	Yes
Effective Date:	07/20/2020	**Master Exter Prmt No:**	TNR050000
Expiration Date:	06/30/2025	**TMDL Interface Flag:**	
Retirement Date:		**State Wtr Body:**	08010210
Termination Date:		**State Wtr Body Nme:**	Wolf
Fac Type Indicator:	NON-POTW	**Prmt Status Code:**	EFF
Permit Type Code:	GPC	**Prmt Status Desc:**	Effective
Permit Type Desc:	General Permit Covered Facility	**Cmpt Type Code:**	SWI
Issuing Agency:	TDEC - DWR	**Cmpt Type Desc:**	Storm Water Industrial
Permit Name:	BP's Lane Avenue Auto Parts, Inc.		
Major Minor Status Flag:	N		
Major Minor Status Desc:	Minor Discharger		
Total Design Flow No:			
Actual Avg Flow No:			
Edmr Auth Flag:	No		
Pretrmt Indicator Code:			
Pretrmt Indicator Desc:			
Dmr Non Receipt Flag:	Yes		

Activity ID:	3400242970	**Agency Type Code:**	ST6
Version No:	1	**Agency Type Desc:**	State
Orig Issue Date:	09/09/2009	**Prmt Comp Stat Flag:**	Yes
Issue Date:	09/09/2009	**RNC Tracking Flag:**	Yes
Effective Date:	10/01/2009	**Master Exter Prmt No:**	TNR050000
Expiration Date:	05/31/2014	**TMDL Interface Flag:**	
Retirement Date:	03/15/2016	**State Wtr Body:**	
Termination Date:		**State Wtr Body Nme:**	Cypress Creek
Fac Type Indicator:	NON-POTW	**Prmt Status Code:**	EXP
Permit Type Code:	GPC	**Prmt Status Desc:**	Expired
Permit Type Desc:	General Permit Covered Facility	**Cmpt Type Code:**	SWI

Issuing Agency: TDEC-DWR
Permit Name: BP's Lane Avenue Auto Parts, Inc.
Major Minor Status Flag: N
Major Minor Status Desc: Minor Discharger
Total Design Flow No:
Actual Avg Flow No:
Edmr Auth Flag: No
Pretrmt Indicator Code:
Pretrmt Indicator Desc:
Dmr Non Receipt Flag: Yes
Cmpt Type Desc: Storm Water Industrial

Activity ID: 3600858805
Version No: 2
Orig Issue Date: 09/09/2009
Issue Date: 03/16/2016
Effective Date: 03/16/2016
Expiration Date: 04/14/2020
Retirement Date: 07/19/2020
Termination Date:
Fac Type Indicator: NON-POTW
Permit Type Code: GPC
Permit Type Desc: General Permit Covered Facility
Issuing Agency: TDEC-DWR
Permit Name: BP's Lane Avenue Auto Parts, Inc.
Major Minor Status Flag: N
Major Minor Status Desc: Minor Discharger
Total Design Flow No:
Actual Avg Flow No:
Edmr Auth Flag: No
Pretrmt Indicator Code:
Pretrmt Indicator Desc:
Dmr Non Receipt Flag: Yes
Agency Type Code: ST6
Agency Type Desc: State
Prmt Comp Stat Flag:
RNC Tracking Flag: Yes
Master Exter Prmt No: TNR050000
TMDL Interface Flag:
State Wtr Body:
State Wtr Body Nme: Cypress Creek
Prmt Status Code: EXP
Prmt Status Desc: Expired
Cmpt Type Code: SWI
Cmpt Type Desc: Storm Water Industrial

NPDES Inspections

Registry ID: 110059710638
Activity ID: 3600005289
Actvty Typ Cd: INS
State EPA Flag: S
Comp Mntr Type Desc: Evaluation
Actvty Outcome Desc:
Comp Mntr Type Cd: CEI
Actual Begin Date: 03/18/2014
Actual End Date: 03/18/2014
Actvty Outcome Cd:

Registry ID: 110059710638
Activity ID: 3600896729
Actvty Typ Cd: INS
State EPA Flag: S
Comp Mntr Type Desc: Reconnaissance without Sampling
Actvty Outcome Desc:
Comp Mntr Type Cd: ROS
Actual Begin Date: 03/01/2016
Actual End Date: 03/01/2016
Actvty Outcome Cd:

CWA Informal Enforcement Actions

Registry ID: 110059710638
Agency: State
Activity ID: 3400282515
Actvty Typ Cd: AIF
Activity Typ: Administrative, Informal
Actvty Typ Desc: Administrative - Informal
ENF Type Cd: NOV
ENF Typ Desc: Notice of Violation
Achieved Date: 07/22/2014
ENF Identifier: TN-200102893

QNCR Historic Compliance

Year Quarter: 20184
E90 Violations in Qtr: 0
Compl. Sched Viol in Qt: 0
Single Event Viol. in Qtr: 0
Permit Sched Viol in Qtr: 0
Historic Noncompl. Cd:

HLRNC Short Desc:
HLRNC Long Desc:
Numd8090q: 0

Year Quarter: 20192
E90 Violations in Qtr: 0
Compl. Sched Viol in Qt: 0
Single Event Viol. in Qtr: 0
Permit Sched Viol in Qtr: 0
Historic Noncompl. Cd:
HLRNC Short Desc:
HLRNC Long Desc:
Numd8090q: 0

Year Quarter: 20182
E90 Violations in Qtr: 0
Compl. Sched Viol in Qt: 0
Single Event Viol. in Qtr: 0
Permit Sched Viol in Qtr: 0
Historic Noncompl. Cd:
HLRNC Short Desc:
HLRNC Long Desc:
Numd8090q: 0

Year Quarter: 20183
E90 Violations in Qtr: 0
Compl. Sched Viol in Qt: 0
Single Event Viol. in Qtr: 0
Permit Sched Viol in Qtr: 0
Historic Noncompl. Cd:
HLRNC Short Desc:
HLRNC Long Desc:
Numd8090q: 0

Year Quarter: 20181
E90 Violations in Qtr: 0
Compl. Sched Viol in Qt: 0
Single Event Viol. in Qtr: 0
Permit Sched Viol in Qtr: 0
Historic Noncompl. Cd:
HLRNC Short Desc:
HLRNC Long Desc:
Numd8090q: 0

Year Quarter: 20191
E90 Violations in Qtr: 0
Compl. Sched Viol in Qt: 0
Single Event Viol. in Qtr: 0
Permit Sched Viol in Qtr: 0
Historic Noncompl. Cd:
HLRNC Short Desc:
HLRNC Long Desc:
Numd8090q: 0

SIC Code

SIC Code: 5015
SIC Desc: Motor Vehicle Parts, Used
Prim Indicator Flg: Yes

SIC Code: 5015
SIC Desc: Motor Vehicle Parts, Used
Prim Indicator Flg: No

Data Groups

Activity ID: 3602392644

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Created Date: 02/03/2025
Updated Date: 02/03/2025
Version No: 0
Npdes Data Group Code: G2B
Npdes Data Group Desc: Notices of Termination (NOTs)

Data Groups

Activity ID: 3602392644
Created Date: 02/03/2025
Updated Date: 02/03/2025
Version No: 0
Npdes Data Group Code: G2A
Npdes Data Group Desc: General Permit Reports [Notices of Intent to discharge] (NOIs)

Data Groups

Activity ID: 3600858805
Created Date: 10/24/2017
Updated Date: 10/24/2017
Version No: 2
Npdes Data Group Code: G2A
Npdes Data Group Desc: General Permit Reports [Notices of Intent to discharge] (NOIs)

8	**7 of7**	**NE**	**0.22 / 1,160.62**	**260.61 / -16**	**McKenzie - Lane Auto Salvage** **433 North Waldran** **Memphis TN**	**SWM COMPLAINT**

Complaint ID: 46636
Facility ID: NRS790000198
Site ID: 7529
Permit No:
Investigated: FEB-27-2018
Completed: MAR-20-2018
Alt County: Shelby
Site Owner: Donna Greer
Alt Site Nm: McKenzie - Lane Auto Salvage
Status: NOV
Site Description: Auto Recycling
Latitude:
Longitude:

RCV Mon Year: FEB-2018
Calendar Days: 25
DIV: SWM
EFO: Memphis
County: Shelby
Received: FEB-02-2018
Other Counties:

Complaint

Complaint No: 46636
Assigned Date: FEB-23-2018
Date Received: FEB-02-2018
How Received: Phone
Concerning: Used Oil
Concerning (Other):

Investigation

Status: NOV
Responsible Party: Josh Smith-Lane Auto Parts
Resp Party Phone: 901-525-7278
Photos:
Date Investigated: FEB-27-2018
Date Completed: MAR-20-2018
Date Referred:
Referred to:
Last Updated: JUN-29-2018
Updated by: BG35162

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Status Detail: Area where engines are pulled had some staining on the ground as well as a few puddles of antifreeze from incidental spillage. Once engines and transmissions are removed they are drained into an oil tank inside the building and used to power a used oil heater. Owner agreed to move the rack onto a concrete surface, remove the stained soil and institute procedures to minimize and contain spillage. An NOV will be sent.
NOV mailed 3/7/18

Parent Site

Parent Site Name: McKenzie - Lane Auto Salvage
Site Location: 433 North Waldran
County: Shelby
EFO: Memphis
Latitude: 35.151498
Longitude: -90.022579

Documents

File Type: Letter
Description: NRS 79 000 0198 IN 3-6-18 NOV letter
Document URL: https://dataviewers.tdec.tn.gov/dataviewers/apex_util.count_click?p_url=BGSWM.GET_DOCUMENTS?p_file=421092424546027142&p_cat=DOCS&p_id=421092424546027142&p_user=APEX_PUBLIC_USER&p_workspace=19833722515258996

Documents

File Type: Letter
Description: SWMSWP-NRS790000198-Lane Auto Parts RTC-GC-20180329-2202
Document URL: https://dataviewers.tdec.tn.gov/dataviewers/apex_util.count_click?p_url=BGSWM.GET_DOCUMENTS?p_file=441035559700422574&p_cat=DOCS&p_id=441035559700422574&p_user=APEX_PUBLIC_USER&p_workspace=19833722515258996

Documents

File Type: Letter
Description: NRS 79 000 0198 IN 3-6-18 NOV letter
Document URL: https://dataviewers.tdec.tn.gov/dataviewers/apex_util.count_click?p_url=BGSWM.GET_DOCUMENTS?p_file=421092590739028744&p_cat=DOCS&p_id=421092590739028744&p_user=APEX_PUBLIC_USER&p_workspace=19833722515258996

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
9	1 of2	SSE	0.22 / 1,184.87	271.81 / -5	POPLAR SQUARE APARTMENTS 1070 POPLAR AVE MEMPHIS TN 38104	CEA

Registry ID: 110033195370
Primary SIC Cd(s):
Prim NAICS Cd(s): 531110

Civil Enforcement Case Details

Case No: 04-2009-2622
Activity ID: 1400034542

Case Information

Case Name: ROBERTS PROPERTIES DBA POPLAR SQUARE APARTMENTS
Case Status Date: 04/24/2009
DOJ Docket No:
Regional Docket No: TSCA-04-2009-2622(b)
Lead: EPA
Fiscal Year: 2009
Multimedia Flag:

State Code:	
Region Code:	04
Activity Name:	ROBERTS PROPERTIES DBA POPLAR SQUARE APARTMENTS
Activity Type Cd:	AFR
Activity Type Desc:	Administrative - Formal
Activity Status Cd:	CLS
Activity Status Desc:	Closed
Activity Status Date:	04/24/2009
HQ Division:	
Branch:	
Vol Self Disclosure Flag:	No
ENF Outcome Cd:	ECP
ENF Outcome Desc:	Final Order With Penalty
ENF Summary Text:	3/19/2009 - CONSENT AGREEMENT AND FINAL ORDER ISSUED, ASSESSING A PENALTY OF $7,700. RESPONDENT SHALL MAKE PAYMENT WITHIN THIRTY DAYS. ORDER ALLEGES: A. PURSUANT TO 40 CFR SECTION 745.107(a)(1), A LESSOR SHALL PROVIDE THE LESSEE AN EPA-APPROVED LEAD HAZARD INFORMATION PAMPHLET BEFORE THE LESSEE IS OBLIGATED UNDER ANY CONTRACT TO LEASE TARGET HOUSING. RESPONDENT FAILED TO PROVIDE LESSEE AN EPA-APPROVED PAMPHLET IN AT LEAST ONE LEASE. B. PURSUANT TO 40 CFR SECTION 745.113(b)(1), EACH CONTRACT TO LEASE TARGET HOUSING SHALL INCLUDE, AS AN ATTACHMENT TO OR WITHIN THE CONTRACT, THE LEAD WARNING STATEMENT. RESPONDENT FAILED TO INCLUDE AN APPROPRIATE STATEMENT IN AT LEAST ONE LEASE. C. PURSUANT TO 40 CFR SECTION 745.113(b)(2), EACH CONTRACT TO LEASE TARGET HOUSING SHALL INCLUDE, AS AN ATTACHMENT TO OR WITHIN THE CONTRACT, A STATEMENT DISCLOSING THE PRESENCE OF KNOWN LEAD-BASED PAINT AND/OR LEAD-BASE PAINT HAZARDS IN THE TARGET HOUSING BEING PURCHASED OR A STATEMENT INDICATING NO KNOWLEDGE OF THE PRESENCE OF LEAD-BASED PAINT AND/OR LEAD-BASED PAINT HAZARDS. RESPONDENT FAILED TO INCLUDE AN APPROPRIATE STATEMENT IN AT LEAST ONE LEASE. D. PURSUANT TO 40 CFR SECTION 745.113(b)(4), EACH CONTRACT TO LEASE TARGET HOUSING SHALL INCLUDE, AS AN ATTACHMENT TO OR WITHIN THE CONTRACT, A LIST OF ANY RECORDS OR REPORTS AVAILABLE TO THE LESSOR THAT PERTAIN TO LEAD HAZARD INFORMATION OR AN INDICATION THAT NO SUCH LIST EXISTS. RESPONDENT FAILED TO INCLUDE THE APPROPRIATE INFORMATION IN AT LEAST ONE LEASE. E. PURSUANT TO 40 CFR SECTION 745.113(b)(3), EACH CONTRACT TO LEASE TARGET HOUSING SHALL INCLUDE IN THE CONTRACT FOR LEASE A STATEMENT BY THE LESSEE AFFIRMING RECEIPT OF THE INFORMATION. RESPONDENT FAILED TO INCLUDE THE APPROPRIATE INFORMATION IN AT LEAST ONE LEASE. RESPONDENT FAILED TO INCLUDE THE APPROPRIATE INFORMATION IN AT LEAST ONE LEASE. F. PURSUANT TO 40 CFR SECTION 745.113(b)(5), EACH CONTRACT TO LEASE TARGET HOUSING SHALL INCLUDE, AS AN ATTACHMENT TO OR WITHIN THE CONTRACT, A STATEMENT BY THE ONE OR MORE AGENTS INVOLVED IN THE TRANSACTION TO LEASE TARGET HOUSING THAT THE AGENTS(S) HAS INFORMED THE LESSOR OR THE LESSOR'S OBLIGATIONS AND THAT THE AGENTS(S) IS AWARE OF HIS DUTY TO ENSURE COMPIANCE. RESPONDENT FAILED TO INCLUDE THE APPROPRIATE INFORMATION IN AT LEAST ONE LEASE. G. PURSUANT TO 40 CFR SECTION 745.113(b)(6), EACH CONTRACT TO LEASE TARGET HOUSING SHALL INCLUDE IN THE CONTRACT FOR LEASE SIGNATURES OF THE LESSOR, AGENT, AND LESSEE CERTIFYING TO THE ACCURACY OF THEIR STATEMENT, AS SELL AS DATES. RESPONDENT FAILED TO INCLUDE THE APPROPRIATE INFORMATION IN AT LEAST ONE LEASE.
Total Penalty Assessed Amt:	
Total Cost Recovery Amt:	
Total Comp Action Amt:	

Laws Sections

Rank Order:	1
Statute Code:	TSCA
Law Section Code:	409
Law Section Desc:	Lead: Violation of Section 1018

Case Facilities

Primary SIC Code:	
Primary NAICS Code:	531110
Facility Name:	POPLAR SQUARE APARTMENTS
Location Address:	1070 POPLAR AVE
City:	MEMPHIS
State Code:	TN
Zip:	38104

Case Defendants

Activity ID: 1400034542
Defendant Name: POPLAR SQUARE APARTMENTS (SB)
Named in Complaint Flag: Yes
Named in Settlement Flag: Yes

Activity ID: 1400034542
Defendant Name: ROBERTS PROPERTIES (SB)
Named in Complaint Flag: Yes
Named in Settlement Flag: Yes

Case Milestones

Actual Date: 03/19/2009
Sub Activity Type Code: CPOA
Sub Activity Type Desc: Complaint Filed/Proposed Order

Actual Date: 04/24/2009
Sub Activity Type Code: CLSA
Sub Activity Type Desc: Enforcement Action Closed

Actual Date: 03/19/2009
Sub Activity Type Code: CAFO
Sub Activity Type Desc: Final Order Issued

Actual Date: 03/20/2009
Sub Activity Type Code: ROPNA
Sub Activity Type Desc: Enforcement Action Data Entered

Violations

Rank Order:
Violation Type Code: L4N
Violation Type Desc: Lead-Based Paint

Enforcement Type

ENF Type Code: 16
ENF Type Desc: TSCA 16 Action For Penalty

Penalties

Fed Penalty: 7700
ST LCL Penalty: 0
Total SEP: 0
Compliance Action Cost: 144
Federal Cost Recovery Amt:
State Cost Recovery Amt:
Penalty Collected Amt: 7700

Case Conclusion

Primary Law: TSCA
Settlement Year: 2009
ENF Conclusion ID: 1400006129
ENF Conclusion No: 1
ENF Concl Action Cd: APO
ENF Concl Name: ROBERTS PROPERTIES DBA POPLAR SQUARE APARTMENTS
Settlement Lodged Date:
Settlement Entered Date: 03/19/2009
Fed Penalty Assessed Amt: 7700

Cost Recovery Awarded Amt:
Region Code: 04
Activity Type Code: AFR

Pollutant Reductions

Environmental Impact ID: 1400003926
Pollutant Code: 7658
Pollutant Name:
Average Annual Value: 72
Pollutant Unit Code: MFHU
Media Code: HUS
Media Desc: Housing
SEP or Comp Flag: C

Complying Actions

Comp Action ID: 1400004349
Comp Action Desc:
Comp Action Type Code: LBP
Comp Action Type Desc: Migrated Lead-Based Paint Disclosure
Comp Action Categ Typ Desc: Preventative

Comp Action ID: 2600818184
Comp Action Desc:
Comp Action Type Code: MDP
Comp Action Type Desc: Migrated Data (Preventative)
Comp Action Categ Typ Desc: Preventative

Enforcement Conclusion Facilities

ICIS Facility Interest ID: 600038734
Facility UIN: 110033195370
Facility Name: POPLAR SQUARE APARTMENTS
Facility City: MEMPHIS
Facility State: TN
Facility Zip: 38104

Enforcement Conclusion Dollars

Fed Penalty: 7700
SEP Cost:
State Local Penalty Amt:
Cost Recovery Amt: 0
Compliance Action Cost: 144
Penalty Collected Amt: 7700

ICIS EPA Inspections

Registry ID: 110033195370
Pgm Sys ID: 600038734
Activity ID: 600074635
Pgm Sys Acrnm: ICIS
Facility Name: POPLAR SQUARE APARTMENTS
Epa Region Code: 04
Activity Type Code: INS
Activity Type Desc: Inspection/Evaluation
Comp Monitor UID: 04000F359146
Comp Monitor Types: Lead Paint
Statute Code: TSCA
Law Section Code: 1018
Actual Begin Dt: 11/27/2007
Actual End Dt: 11/27/2007

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Agency: EPA
Comp Monitor Agency Types: U.S. EPA

Case Priorities

Priority Code: 1053
Priority Desc: Region 04 - Lead Disclosure Rule TSCA (1018)
Fiscal Year: 2009

Case Programs

Program Code: TSCALEAD
Program Desc: TSCA Lead-Based Paint Disclosure Rule

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9 | **2 of2** | **SSE** | **0.22 / 1,184.87** | **271.81 / -5** | **POPLAR SQUARE APARTMENTS**
1070 POPLAR AVE
MEMPHIS TN 38104 | **ECHO**

FRS ID: 110033195370
Fac EPA Region: 04
Facility County: SHELBY
Facility Latitude: 35.14477
Facility Longitude: -90.02477

Facility Details

Major Facility?:
Active/Operating?:
Compliance Status:
Signif Non Compl?: No
Programs with SNC: 0
Qtrs with NC:
3Yr Compliance Hist:
Formal Action Count: 0
Last Formal Action: 03/19/2009
Last EPA Formal Act: 03/19/2009
Last State Formal Act:
Informal Count: 0
Last Informal Action:
Last EPA Informal A:
Last State Informal A:
Total Penalties: 0
Penalty Count:
Date of Last Penalty: 03/19/2009
Last Penalty Amount: 7700
myRTK Universe: NNN
Dschg Impair Water?:
EJ Screen 80%:
Air?: No
NPDES?: No
SDWIS?: No
RCRA?: No
TRI?: No
GHG?: No
SIC Codes:
NAICS Codes:
FIPS Code: 47157
Indian/Tribal?: No
Federal ?:
Federal Agency:
Chesapeake Bay?:
NAA?: No
Coordinate Method: ADDRESS MATCHING-HOUSE NUMBER
Reference Point: CENTER OF A FACILITY OR STATION
Accuracy (Meters): 30
Inspection Count: 0
Last Inspection:
Last EPA Inspection:
Last State Inspection:
Days Last Inspection:
DFR URL: http://echo.epa.gov/detailed-facility-report?fid=110033195370

Federal Enforcement and Compliance (FEC)

FEC Case IDS: 04-2009-2622
No. of Cases:
Last Case Date: 03/19/2009
Total Penalties:

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10 | **1 of2** | **NNE** | **0.23 / 1,192.05** | **258.92 / -18** | **Insulation And Refractories Services**
1041 Galloway Avenue
Memphis TN 38105 | **UST**

Facility ID: 9790417

Tank Details

Tank ID: 45985
Tank No: 1
Emergency Gen:
Date Tank Installd: 1/1/1900
Date Tank Closed:
How Tank Closed: Unkown
Facility Count: 2
Owner Name: Insulation And Refractories Svc
Tank Construction: Steel
Category of Construction:
Facility Type: Other or Unknown

Owner Type: Private
Owner Status: InActive
Owner CIU Count:
Owner POU Count: 4
Owner TOU Count:
Owner Tank Count: 4

UST Data and Reports - UST Compartment Details

Compart ID: 46699
Compart Letter: A
Compt Capacity: 999999
Status: Permanently Out of Use
Product: Not Listed
Piping Material: Steel
Piping Type:
Pipe Construction Type:
Pipe Construction:
Pipe Install or Rep Date:
Leak Detection Cat: None
Leak Detection Periodic: Pipe Leak Detection Not Listed
Comprt Release Detectn: Tank LD Not Listed
Overfill Installation Date:
Spill Bucket Installation Date:
Spill Prevention:
Address Line 1: 1041 Galloway
Address Line 2:
City: Memphis
Zip: 38105
Red Tag Reason:
Red Tag Status: Not Red-Tagged
Facility Name: Insulation And Refractories Services
Facility Address1: 1041 Galloway Avenue
Facility Address2:
Facility City: Memphis
Facility Zip: 38105
State: TN

Date Last Used: 12/15/1987
Regulated Status:
Small Delivery:
Overfill Preventn:
Date Comprt Closed:

Tank Details

Tank ID: 45986
Tank No: 2
Emergency Gen:
Date Tank Installd: 1/1/1900
Date Tank Closed:
How Tank Closed: Unkown
Facility Count: 2
Owner Name: Insulation And Refractories Svc
Tank Construction: Steel
Category of Construction:
Facility Type: Other or Unknown

Owner Type: Private
Owner Status: InActive
Owner CIU Count:
Owner POU Count: 4
Owner TOU Count:
Owner Tank Count: 4

UST Data and Reports - UST Compartment Details

Compart ID: 46700
Compart Letter: A
Compt Capacity: 999999
Status: Permanently Out of Use

Date Last Used: 12/15/1987
Regulated Status:
Small Delivery:
Overfill Preventn:

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Product: Not Listed
Date Comprt Closed:
Piping Material: Steel
Piping Type:
Pipe Construction Type:
Pipe Construction:
Pipe Install or Rep Date:
Leak Detection Cat: None
Leak Detection Periodic: Pipe Leak Detection Not Listed
Comprt Release Detectn: Tank LD Not Listed
Overfill Installation Date:
Spill Bucket Installation Date:
Spill Prevention:
Address Line 1: 1041 Galloway
Address Line 2:
City: Memphis
Zip: 38105
Red Tag Reason:
Red Tag Status: Not Red-Tagged
Facility Name: Insulation And Refractories Services
Facility Address1: 1041 Galloway Avenue
Facility Address2:
Facility City: Memphis
Facility Zip: 38105
State: TN

UST Data and Reports - UST Facilities Details

Facility Status: InActive
CIU Cnt:
Tank Cnt: 2
POU Cnt: 2
GIA Owner ID: 308246
TOU Cnt:
Facility Type: Other or Unknown
Owner Name: Insulation And Refractories Svc
Owner Type: Private
Facility Name: Insulation And Refractories Services
Facility Address1: 1041 Galloway Avenue
Facility Address2:
Facility City: Memphis
Facility Zip: 38105

Underground Storage Tanks Map Viewer – Closed Facilities

Facility Status: Inactive
Region: 9
CIU: 0
Latitude: 35.152756
TOU: 0
Longitude: -90.02458899999999
POU: 2
X: -90.02458312014154
Compartment Count: 2
Y: 35.15274950646475
Facility Name: Insulation And Refractories Services

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
10	2 of2	NNE	0.23 / 1,192.05	258.92 / -18	Insulation And Refractories Service 1041 Galloway Memphis TN 38105	UST

Facility ID: 9790418

Tank Details

Tank ID: 45988
Owner Type: Private
Tank No: 2
Owner Status: InActive
Emergency Gen:
Owner CIU Count:
Date Tank Installd: 7/13/1982
Owner POU Count: 4
Date Tank Closed: 3/26/1988
Owner TOU Count:
How Tank Closed:
Owner Tank Count: 4
Facility Count: 2
Owner Name: Insulation And Refractories Svc

Tank Construction: Steel
Category of Construction:
Facility Type: Other or Unknown

UST Data and Reports - UST Compartment Details

Compart ID: 46702
Compart Letter: A
Compt Capacity: 2000
Status: Permanently Out of Use
Product: Not Listed
Piping Material: Steel
Piping Type:
Pipe Construction Type:
Pipe Construction:
Pipe Install or Rep Date:
Leak Detection Cat: None
Leak Detection Periodic: Pipe Leak Detection Not Listed
Comprt Release Detectn: Tank LD Not Listed
Overfill Installation Date:
Spill Bucket Installation Date:
Spill Prevention:
Address Line 1: 1041 Galloway
Address Line 2:
City: Memphis
Zip: 38105
Red Tag Reason:
Red Tag Status: Not Red-Tagged
Facility Name: Insulation And Refractories Service
Facility Address1: 1041 Galloway
Facility Address2:
Facility City: Memphis
Facility Zip: 38105
State: TN

Date Last Used: 3/26/1988
Regulated Status:
Small Delivery:
Overfill Preventn:
Date Comprt Closed:

Tank Details

Tank ID: 45987
Tank No: 1
Emergency Gen:
Date Tank Installd: 7/13/1982
Date Tank Closed: 3/26/1988
How Tank Closed:
Facility Count: 2
Owner Name: Insulation And Refractories Svc
Tank Construction: Steel
Category of Construction:
Facility Type: Other or Unknown

Owner Type: Private
Owner Status: InActive
Owner CIU Count:
Owner POU Count: 4
Owner TOU Count:
Owner Tank Count: 4

UST Data and Reports - UST Compartment Details

Compart ID: 46701
Compart Letter: A
Compt Capacity: 2000
Status: Permanently Out of Use
Product: Not Listed
Piping Material: Steel
Piping Type:
Pipe Construction Type:
Pipe Construction:
Pipe Install or Rep Date:
Leak Detection Cat: None
Leak Detection Periodic: Pipe Leak Detection Not Listed
Comprt Release Detectn: Tank LD Not Listed
Overfill Installation Date:

Date Last Used: 3/26/1988
Regulated Status:
Small Delivery:
Overfill Preventn:
Date Comprt Closed:

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Spill Bucket Installation Date:
Spill Prevention:
Address Line 1: 1041 Galloway
Address Line 2:
City: Memphis
Zip: 38105
Red Tag Reason:
Red Tag Status: Not Red-Tagged
Facility Name: Insulation And Refractories Service
Facility Address1: 1041 Galloway
Facility Address2:
Facility City: Memphis
Facility Zip: 38105
State: TN

UST Data and Reports - UST Facilities Details

Facility Status: InActive
Tank Cnt: 2
GIA Owner ID: 308246
Facility Type: Other or Unknown
Owner Name: Insulation And Refractories Svc
Owner Type: Private
Facility Name: Insulation And Refractories Service
Facility Address1: 1041 Galloway
Facility Address2:
Facility City: Memphis
Facility Zip: 38105
CIU Cnt:
POU Cnt: 2
TOU Cnt:

Underground Storage Tanks Map Viewer – Closed Facilities

Facility Status: Inactive
CIU: 0
TOU: 0
POU: 2
Compartment Count: 2
Facility Name: Insulation And Refractories Service
Region: 9
Latitude: 35.152747999999995
Longitude: -90.0246
X: -90.02459412013907
Y: 35.15274150646678

11	1 of3	NE	0.25 / 1,301.21	257.21 / -20	MITCHELL & SON INC 451 N WALDRAN MEMPHIS TN 38105	ECHO

FRS ID: 110004954568
Fac EPA Region:
Facility County: SHELBY
Facility Latitude: 35.15201
Facility Longitude: -90.02249

Facility Details

Major Facility?:
Active/Operating?:
Compliance Status: No Violation Identified
Signif Non Compl?: No
Programs with SNC: 0
Qtrs with NC: 0
3Yr Compliance Hist: _____
Formal Action Count: 0
Last Formal Action:
Last EPA Formal Act:
Last State Formal Act:
Informal Count: 0
Last Informal Action:
Last EPA Informal A:
Last State Informal A:
Total Penalties: 0
Penalty Count:
Air?: No
NPDES?: No
SDWIS?: No
RCRA?: Yes
TRI?: No
GHG?: No
SIC Codes:
NAICS Codes: 333319 81131
FIPS Code: 47157
Indian/Tribal?: No
Federal ?:
Federal Agency:
Chesapeake Bay?:
NAA?: No
Coordinate Method: ADDRESS MATCHING-HOUSE NUMBER
Reference Point: CENTER OF A FACILITY OR STATION
Accuracy (Meters): 30

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Date of Last Penalty:
Last Penalty Amount: 0
myRTK Universe: NNN
Dschg Impair Water?:
EJ Screen 80%:
DFR URL: http://echo.epa.gov/detailed-facility-report?fid=110004954568

Inspection Count: 0
Last Inspection:
Last EPA Inspection:
Last State Inspection:
Days Last Inspection:

Resource Conservation and Recovery Act (RCRA)

RCRA ID(s): TND000005884
Permit Types: Other
RCRA NAICS: 333319 81131
Inspection Count:
Informal Count:
Formal Action Cnt:
Days since Last Evaluation:
Date of Last Formal Action:
3Yr Compl Qtrs History: _____

Penalties:
Last Penalty Date:
Last Penalty Amt:
Qtrs with NC: 0
Compliance Status: No Violation Identified
SNC ?: No

11	2 of3	NE	0.25 / 1,301.21	257.21 / -20	Allmatic Inc 451 N Waldran Blvd Memphis TN	NPDES

Permit No: TEMP4906
Site ID: 3783
TDOT Pin:
TDOT Project No:
MS4: TNS068276
Std Indust Class: 3545
Hydro Code: 08010210
Status: No Exposure
Type: TMSP
Rating: N/A
Site Name: Allmatic Inc
Permittee Name: Allmatic Inc
Project Name:
ARAP Type:
Activity Desc:
Effluent Desc:
Receiving Stream:
Location: 451 N Waldran Blvd
Permit Type Desc: Tennessee Storm Water Multi-Sector General NPDES Permit for Industrial Activities

Expiration Dt:
Effective Dt:
Issued Dt:
App to NonComm Off: 16-FEB-2001
Discharge Code:
Discharge Cd Desc:
Watershed Name: Wolf
Env Fld Office Nm: Memphis
County: Shelby
Status Desc: No Exposure Certification Accepted

11	3 of3	NE	0.25 / 1,301.21	257.21 / -20	MITCHELL & SON INC 451 N WALDRAN MEMPHIS TN 38105	RCRA NON GEN

Handler ID: TND000005884
Generator Status: N
Recycler Activity?: NO
Recycler Activity Note: This facility has not been identified as a Recycler Facility from both the RCRA Handler and Biennial Report Modules.

Violation/Evaluation Summary

Note: NO RECORDS: As of Nov 2025, there are no Compliance Monitoring and Enforcement (violation) records associated with this facility (EPA ID).

Handler Summary

Importer: No
Mixed Waste Gen: No
Transporter: No

Used Oil Transpor: No
Used Oil Trans Fac: No
Used Oil Processor: No

Transfer Facility:	No	***Used Oil Refiner:***	No
Recycler:	No	***Used Oil Burner:***	No
Onsite Burner Exem:	No	***Commercial TSD:***	No
Furnace Exemption:	No	***Recycl Nonstorage:***	No
Underground Injec:	No		
Used Oil Market Burner:	No		
Used Oil Spec Marketer:	No		

Additional Handler Summary Details

Source Type:	N	***NAIC 1:***	333319
Seq No:	1	***NAIC 2:***	81131
Non Notifier:		***NAIC 3:***	
Receive Date:	19801119	***NAIC 4:***	
Active Site:	-----	***State:***	TN
Land Type:		***Location Latitude:***	35.152077
In Handler Univ:	N	***Location Longitude:***	-90.022539
In A Universe:	N	***Loc GIS Primary:***	N
Gen Status:	N	***Loc GIS Origin:***	AG
Report Cycle:		***State District Owner:***	TN
Accessibility:		***State District:***	106
Region:	04		

Fed Waste Gen Owner:	HQ
State Waste Generator Owner:	HQ
State Waste Generator:	N
Short Term Generator:	N
Uni Waste:	N
Universal Waste Dest Facility:	N
Federal Universal Waste:	N
As Federally Regulated Tsdf:	------
As Converter Tsdf:	------
As State Regulated Tsdf:	------
As State Regulated Handler:	---
Federal Indicator:	---
Hsm:	N
Subpart K:	----
GPRA Permit:	N
GPRA Renewal:	N
Permit Renewal Wrkld:	------
Permwrk ID:	------
Perm Prog:	------
Pcwrkld:	------
Closwrkld:	------
GPRA Ca:	N
Cawrkld:	N
Subjca Tsd Discretion:	N
NCAPS:	N
EC Indicator:	N
Ca725 Indicator:	N
Ca750 Indicator:	N
Operating Tsdf:	------
Full Enforcement:	------
Snc:	N
Unaddressed Snc:	N
Addressed Snc:	N
Snc With Comp Sched:	N
Fa Required:	-----
Hhandler Last Change:	20000902
Recognized Trader Importer:	N
Recognized Trader Exporter:	N
Slab Importer:	N
Slab Exporter:	N
Manifest Broker:	N
Subpart P:	N
Contact Language:	EN
Handler Name:	MITCHELL & SON INC
Location Street No:	451
Location Street1:	N WALDRAN

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Location Street2:	
Location City:	MEMPHIS
Location State:	TN
Location Zip:	38105
Location County Code:	TN157
Location County Name:	SHELBY
Location Country:	US
Contact Name:	MITCHELL & SON
Contact Street No:	
Contact Street1:	451 N WALDRAN
Contact Street2:	
Contact City:	MEMPHIS
Contact State:	TN
Contact Zip:	38105
Contact Country:	US
Contact Phone & Ext:	615-555-1212
Contact Fax:	
Contact Email Address:	
Contact Title:	
Owner Name:	
Owner Type:	
Owner Seq:	
Operator Name:	
Operator Type:	
Operator Seq:	
Public Notes:	

Hazardous Waste Handler Details

Seq No:	1
Receive Date:	19801119
Handler Name:	MITCHELL & SON INC
Fed Waste Generator:	N
Generator Code Description:	Not a Generator, Verified
Source Type:	Notification
TSD Activity:	N

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
12	1 of1	NE	0.25 / 1,339.38	253.32 / -24	DIXIE MANUFACTURING COMPANY 1071 GALLOWAY MEMPHIS TN 38105	ECHO

FRS ID:	110011792300	**Facility Latitude:**	35.15275
Fac EPA Region:	04	**Facility Longitude:**	-90.02371
Facility County:	SHELBY		

Facility Details

Major Facility?:		**Air?:**	No
Active/Operating?:		**NPDES?:**	No
Compliance Status:	No Violation Identified	**SDWIS?:**	No
Signif Non Compl?:	No	**RCRA?:**	Yes
Programs with SNC:	0	**TRI?:**	No
Qtrs with NC:	0	**GHG?:**	No
3Yr Compliance Hist:	_____	**SIC Codes:**	
Formal Action Count:	0	**NAICS Codes:**	325612 42185
Last Formal Action:		**FIPS Code:**	47157
Last EPA Formal Act:		**Indian/Tribal?:**	No
Last State Formal Act:		**Federal ?:**	
Informal Count:	0	**Federal Agency:**	
Last Informal Action:		**Chesapeake Bay?:**	
Last EPA Informal A:		**NAA?:**	No
Last State Informal A:		**Coordinate Method:**	ADDRESS MATCHING-HOUSE NUMBER
Total Penalties:	0	**Reference Point:**	CENTER OF A FACILITY OR STATION
Penalty Count:		**Accuracy (Meters):**	30

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Date of Last Penalty:		**Inspection Count:**	0
Last Penalty Amount:	0	**Last Inspection:**	
myRTK Universe:	NNN	**Last EPA Inspection:**	
Dschg Impair Water?:		**Last State Inspection:**	
EJ Screen 80%:		**Days Last Inspection:**	
DFR URL:	http://echo.epa.gov/detailed-facility-report?fid=110011792300		

Resource Conservation and Recovery Act (RCRA)

RCRA ID(s):	TND042113985	**Penalties:**	
Permit Types:	Other	**Last Penalty Date:**	
RCRA NAICS:	325612 42185	**Last Penalty Amt:**	
Inspection Count:		**Qtrs with NC:**	0
Informal Count:		**Compliance Status:**	No Violation Identified
Formal Action Cnt:		**SNC ?:**	No
Days since Last Evaluation:			
Date of Last Formal Action:			
3Yr Compl Qtrs History:	_____		

13	1 of1	NE	0.26 / 1,359.56	252.85 / -24	DIXIE MANUFACTURING COMPANY MEMPHIS TN	PFAS IND

Status:	Inactive	**Fac Fips Code:**	47157
Fac Indian Cntry Flg:	No	**Compliance Status:**	No Violation Identified
Fac Derived Huc:	08010210	**EPA Programs:**	RCRA
Fac Derived Wbd:	080102100308	**Federal Facility:**	No
Fac Derived Cd113:	09	**Federal Agency:**	-
Fac Derived Cb2010:	471570024001032	**Fac Snc Flg:**	No
Fac Informal Count:	0	**AIR Flag:**	No
Last Informal Action:	-	**NPDES Flag:**	No
Formal Action Count:	0	**SDWIS Flag:**	No
Last Formal Action:	-	**RCRAFlag:**	Yes
Fac Total Penalties:	0	**TRI Flag:**	No
Fac Penalty Count:	-	**GHG Flag:**	No
Date Last Penalty:	-	**TRI IDs:**	-
Last Penalty Amt:	0	**TRI Releases Trnsfrs:**	-
Fac Qtrs With Nc:	0	**TRI on Site Releases:**	-
Programs With Snc:	0	**TRI off Site Trnsfrs:**	-
Fac Percent Minority:	66.896	**TRI Reporter:**	-
Fac Pop Den:	3612.37	**Fac Imp Water Flg:**	-
Count:	1	**Fac Major Flag:**	-
Fac County:	SHELBY	**Fac Active Flag:**	-
State Other:		**Fac Inspection Count:**	0
Region:	04	**Date Last Inspection:**	-
Latitude:	35.15275	**Days Last Inspection:**	-
Longitude:	-90.02371		

Fac Derived Tribes:	-
AIR IDs:	-
CAA Permit Types:	-
CAA NAICS:	-
CAA SICS:	-
NPDES IDs:	-
CWA Permit Types:	-
CWA NAICS:	-
CWA SICS:	-
RCRA IDs:	TND042113985
RCRA Permit Types:	Other
RCRA NAICS:	325612 42185
SDWA IDs:	-
SDWA System Types:	-
SDWA Compliance Status:	-
SDWA Snc Flag:	No
Fac Collection Meth:	ADDRESS MATCHING-HOUSE NUMBER
ECHO Facility Report:	https://echo.epa.gov/detailed-facility-report?fid=110011792300

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Details

Industry: Cleaning Product Mfg

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14 | ***1 of1*** | ***NE*** | ***0.28 / 1,471.29*** | ***251.41 / -26*** | ***COX PRINTING CO***
467 N WALDRAN BLVD
MEMPHIS TN 38105 | ***ECHO***

FRS ID:	110004999217	***Facility Latitude:***	35.15264
Fac EPA Region:	04	***Facility Longitude:***	-90.02241
Facility County:	SHELBY		

Facility Details

Major Facility?:		***Air?:***	No
Active/Operating?:		***NPDES?:***	No
Compliance Status:	No Violation Identified	***SDWIS?:***	No
Signif Non Compl?:	No	***RCRA?:***	Yes
Programs with SNC:	0	***TRI?:***	No
Qtrs with NC:	0	***GHG?:***	No
3Yr Compliance Hist:	_____	***SIC Codes:***	
Formal Action Count:	0	***NAICS Codes:***	
Last Formal Action:		***FIPS Code:***	47157
Last EPA Formal Act:		***Indian/Tribal?:***	No
Last State Formal Act:		***Federal ?:***	
Informal Count:	0	***Federal Agency:***	
Last Informal Action:		***Chesapeake Bay?:***	
Last EPA Informal A:		***NAA?:***	No
Last State Informal A:		***Coordinate Method:***	ADDRESS MATCHING-HOUSE NUMBER
Total Penalties:	0	***Reference Point:***	ENTRANCE POINT OF A FACILITY OR STATION
Penalty Count:		***Accuracy (Meters):***	50
Date of Last Penalty:		***Inspection Count:***	0
Last Penalty Amount:	0	***Last Inspection:***	
myRTK Universe:	NNN	***Last EPA Inspection:***	
Dschg Impair Water?:		***Last State Inspection:***	
EJ Screen 80%:		***Days Last Inspection:***	
DFR URL:	http://echo.epa.gov/detailed-facility-report?fid=110004999217		

Resource Conservation and Recovery Act (RCRA)

RCRA ID(s):	TND990649360	***Penalties:***	
Permit Types:	Other	***Last Penalty Date:***	
RCRA NAICS:		***Last Penalty Amt:***	
Inspection Count:		***Qtrs with NC:***	0
Informal Count:		***Compliance Status:***	No Violation Identified
Formal Action Cnt:		***SNC ?:***	No
Days since Last Evaluation:			
Date of Last Formal Action:			
3Yr Compl Qtrs History:	_____		

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15 | ***1 of4*** | ***SW*** | ***0.29 / 1,529.81*** | ***246.32 / -31*** | ***MEMPHIS HOUSING AUTHORITY-DIXIE HOME DEV***
916 POPLAR AVE
MEMPHIS TN 38105 | ***ECHO***

FRS ID:	110004951589	***Facility Latitude:***	35.14527
Fac EPA Region:	04	***Facility Longitude:***	-90.029807
Facility County:	SHELBY		

Facility Details

Major Facility?:		***Air?:***	No

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Active/Operating?:		**NPDES?:**	No
Compliance Status:	No Violation Identified	**SDWIS?:**	No
Signif Non Compl?:	No	**RCRA?:**	Yes
Programs with SNC:	0	**TRI?:**	No
Qtrs with NC:	0	**GHG?:**	No
3Yr Compliance Hist:	_____	**SIC Codes:**	
Formal Action Count:	0	**NAICS Codes:**	23521
Last Formal Action:		**FIPS Code:**	47157
Last EPA Formal Act:		**Indian/Tribal?:**	No
Last State Formal Act:		**Federal ?:**	
Informal Count:	0	**Federal Agency:**	
Last Informal Action:		**Chesapeake Bay?:**	
Last EPA Informal A:		**NAA?:**	No
Last State Informal A:		**Coordinate Method:**	ADDRESS MATCHING-HOUSE NUMBER
Total Penalties:	0	**Reference Point:**	ENTRANCE POINT OF A FACILITY OR STATION
Penalty Count:		**Accuracy (Meters):**	50
Date of Last Penalty:		**Inspection Count:**	0
Last Penalty Amount:	0	**Last Inspection:**	12/14/1994
myRTK Universe:	NNN	**Last EPA Inspection:**	
Dschg Impair Water?:		**Last State Inspection:**	12/14/1994
EJ Screen 80%:		**Days Last Inspection:**	11267
DFR URL:	http://echo.epa.gov/detailed-facility-report?fid=110004951589		

Resource Conservation and Recovery Act (RCRA)

RCRA ID(s):	TN0000033639	**Penalties:**	
Permit Types:	Other	**Last Penalty Date:**	
RCRA NAICS:	23521	**Last Penalty Amt:**	
Inspection Count:		**Qtrs with NC:**	0
Informal Count:		**Compliance Status:**	No Violation Identified
Formal Action Cnt:		**SNC ?:**	No
Days since Last Evaluation:	11266		
Date of Last Formal Action:			
3Yr Compl Qtrs History:	_____		

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15 | ***2 of4*** | ***SW*** | ***0.29 / 1,529.81*** | ***246.32 / -31*** | ***DIXIE HOMES 916 POPLAR AVENUE MEMPHIS TN*** | ***INST***

DOR Site ID:	79846	**County:**	SHELBY
Status:	OPEN	**Site Latitude:**	35.147476
Total Site Acreage:	8.45	**Site Longitude:**	-90.028673
Tdec Field Office:	MEMPHIS		

Detail(s)

Date Control Recorded:	NOV-03-2009	**Control Acreage:**	2.11
Date Control Removed:		**Deed Book:**	08115216
Control Type:	INSTITUTIONAL	**Map:**	051017
Control Description:	LAND USE RESTRICTION	**Page No:**	
Control Latitude:	35.147	**Parcel:**	2-7, 12
Control Longitude:	-90.028		

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15 | ***3 of4*** | ***SW*** | ***0.29 / 1,529.81*** | ***246.32 / -31*** | ***DIXIE HOMES 916 POPLAR AVENUE MEMPHIS TN*** | ***LUR***

Dor Site ID:	79846	**EFO:**	MEMPHIS
Site Status:	OPEN	**County:**	SHELBY
File Type:	LAND USE RESTRICTION	**Site Latitude:**	35.147476
Site Acreage:	8.45	**Site Longitude:**	-90.028673

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

LUR Details

Correspondence Type: REFERENCE
Description: NLUR - FEDEX FAMILY HOUSE
Document Date: 7/15/2013
Date Received:
View: https://dataviewers.tdec.tn.gov/dataviewers/apex_util.count_click?p_url=bgdor.GET_DOCUMENTS?p_file=313987021236240472&p_cat=DOCS&p_id=313987021236240472&p_user=GUEST&p_workspace=19833722515258996">

LUR Details

Correspondence Type: REFERENCE
Description: LAND USE RESTRICTION
Document Date: 11/3/2009
Date Received:
View: https://dataviewers.tdec.tn.gov/dataviewers/apex_util.count_click?p_url=bgdor.GET_DOCUMENTS?p_file=24945822015365849&p_cat=DOCS&p_id=24945822015365849&p_user=GUEST&p_workspace=19833722515258996">

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15 | ***4 of4*** | ***SW*** | ***0.29 / 1,529.81*** | ***246.32 / -31*** | ***DIXIE HOMES 916 POPLAR AVENUE MEMPHIS TN*** | ***VCP***

Site ID: 79846
EPA Facility ID:
EPA Registry ID:
Status: OPEN
Acres: 8.45
Delisted:
Development District: MIDSOUTH DEVELOPMENT DISTRICT
Program: VOLUNTARY
EFO: MEMPHIS
County: SHELBY
Latitude: 35.147476
Longitude: -90.028673
Promulgated:

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16 | ***1 of1*** | ***WSW*** | ***0.29 / 1,548.47*** | ***257.72 / -19*** | ***REGAL OLDSMOBILE 850 POPLAR AVE MEMPHIS TN 38104*** | ***ECHO***

FRS ID: 110004964487
Fac EPA Region:
Facility County: SHELBY
Facility Latitude: 35.14546
Facility Longitude: -90.03188

Facility Details

Major Facility?:
Active/Operating?:
Compliance Status: No Violation Identified
Signif Non Compl?: No
Programs with SNC: 0
Qtrs with NC: 0
3Yr Compliance Hist: _____
Formal Action Count: 0
Last Formal Action:
Last EPA Formal Act:
Last State Formal Act:
Informal Count: 0
Last Informal Action:
Last EPA Informal A:
Last State Informal A:
Total Penalties: 0
Penalty Count:
Date of Last Penalty:
Last Penalty Amount: 0
myRTK Universe: NNN
Dschg Impair Water?:
Air?: No
NPDES?: No
SDWIS?: No
RCRA?: Yes
TRI?: No
GHG?: No
SIC Codes:
NAICS Codes: 32551
FIPS Code: 47157
Indian/Tribal?: No
Federal ?:
Federal Agency:
Chesapeake Bay?:
NAA?: No
Coordinate Method: ADDRESS MATCHING-HOUSE NUMBER
Reference Point: CENTER OF A FACILITY OR STATION
Accuracy (Meters): 30
Inspection Count: 0
Last Inspection: 03/13/1987
Last EPA Inspection:
Last State Inspection: 03/13/1987

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

EJ Screen 80%: **Days Last Inspection:** 14100
DFR URL: http://echo.epa.gov/detailed-facility-report?fid=110004964487

Resource Conservation and Recovery Act (RCRA)

RCRA ID(s): TND034748475
Permit Types: Other
RCRA NAICS: 32551
Inspection Count:
Informal Count:
Formal Action Cnt:
Days since Last Evaluation: 14099
Date of Last Formal Action:
3Yr Compl Qtrs History: _____

Penalties:
Last Penalty Date:
Last Penalty Amt:
Qtrs with NC: 0
Compliance Status: No Violation Identified
SNC ?: No

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17 | **1 of1** | **SW** | **0.31 / 1,645.27** | **248.82 / -28** | **LEGENDS PARK SITES A & B**
POPLAR AVENUE AND PAULINE STREET
MEMPHIS TN | **VCP**

Site ID: 79846A
EPA Facility ID:
EPA Registry ID:
Status: OPEN
Acres: 3.27
Delisted:
Development District: MIDSOUTH DEVELOPMENT DISTRICT

Program: VOLUNTARY
EFO: MEMPHIS
County: SHELBY
Latitude: 35.147476
Longitude: -90.028673
Promulgated:

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18 | **1 of2** | **SW** | **0.32 / 1,685.20** | **250.03 / -27** | **CHURCH'S FRIED CHICKEN**
925 POPLAR AVENUE
MEMPHIS TN | **SRP**

DOR Site ID: SRS790379
Status: CLOSED
EPA Facility ID:
EPA Registry ID:
Delisted:
Promulgated Date:
Development District: MIDSOUTH DEVELOPMENT DISTRICT

DOR EFO: MEMPHIS
Program: VOLUNTARY
County: SHELBY
Latitude: 35.144968
Longitude: -90.029459
Acres:

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18 | **2 of2** | **SW** | **0.32 / 1,685.20** | **250.03 / -27** | **CHURCH'S FRIED CHICKEN**
925 POPLAR AVENUE
MEMPHIS TN | **VCP**

Site ID: SRS790379
EPA Facility ID:
EPA Registry ID:
Status: CLOSED
Acres:
Delisted:
Development District: MIDSOUTH DEVELOPMENT DISTRICT

Program: VOLUNTARY
EFO: MEMPHIS
County: SHELBY
Latitude: 35.144968
Longitude: -90.029459
Promulgated:

---

19 | **1 of3** | **WNW** | **0.32 / 1,696.96** | **248.17 / -29** | **Exxon/Mobile Bulk Terminal**
432 North Dunlap
Memphis TN | **LUST**

Facility ID: 9799001
Site No: 1
Facility Name: Exxon/Mobile Bulk Terminal
Facility Address 1: 432 North Dunlap
Facility Address 2:

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

City: Memphis
County: Shelby
Zip:

Details

Current Status: 8 Case Closed
Cause: 7 Unknown
Discovery date: NOV-06-1990
How Discovered: 8 Other
Section: FO
Case Desc:
Product Released:
CAC Company:
Company: ExxonMobil Refining and Supply Co.

Case Manager: JJB
Contact Title:
CAC Contact:
Owner Contact:

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
19	2 of3	WNW	0.32 / 1,696.96	248.17 / -29	MEMPHIS BULK PLANT 432 NORTH DUNLAP ST. MEMPHIS TN	SRP

DOR Site ID: SRS790769
Status: CLOSED
EPA Facility ID:
EPA Registry ID:
Delisted:
Promulgated Date:
Development District: MIDSOUTH DEVELOPMENT DISTRICT

DOR EFO: MEMPHIS
Program: VOLUNTARY
County: SHELBY
Latitude: 35.152193
Longitude: -90.0314
Acres:

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
19	3 of3	WNW	0.32 / 1,696.96	248.17 / -29	MEMPHIS BULK PLANT 432 NORTH DUNLAP ST. MEMPHIS TN	VCP

Site ID: SRS790769
EPA Facility ID:
EPA Registry ID:
Status: CLOSED
Acres:
Delisted:
Development District: MIDSOUTH DEVELOPMENT DISTRICT

Program: VOLUNTARY
EFO: MEMPHIS
County: SHELBY
Latitude: 35.152193
Longitude: -90.0314
Promulgated:

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
20	1 of1	ESE	0.34 / 1,788.15	260.36 / -17	272 N. BELLEVUE TOWNHOMES 272 NORTH BELLEVUE BLVD MEMPHIS TN 38105	ECHO

FRS ID: 110071946430
Fac EPA Region: 04
Facility County: SHELBY

Facility Latitude: 35.146809
Facility Longitude: -90.020713

Facility Details

Major Facility?:
Active/Operating?: Yes
Compliance Status: No Violation Identified
Signif Non Compl?: No
Programs with SNC: 0
Qtrs with NC: 0
3Yr Compliance Hist: _____
Formal Action Count: 0
Last Formal Action:
Last EPA Formal Act:
Last State Formal Act:
Informal Count: 0

Air?: No
NPDES?: Yes
SDWIS?: No
RCRA?: No
TRI?: No
GHG?: No
SIC Codes:
NAICS Codes:
FIPS Code: 47157
Indian/Tribal?: No
Federal ?:
Federal Agency:

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Last Informal Action:		**Chesapeake Bay?:**	
Last EPA Informal A:		**NAA?:**	No
Last State Informal A:		**Coordinate Method:**	ADDRESS MATCHING-HOUSE NUMBER
Total Penalties:	0	**Reference Point:**	ENTRANCE POINT OF A FACILITY OR STATION
Penalty Count:		**Accuracy (Meters):**	50
Date of Last Penalty:		**Inspection Count:**	0
Last Penalty Amount:	0	**Last Inspection:**	
myRTK Universe:	NNN	**Last EPA Inspection:**	
Dschg Impair Water?:	Yes	**Last State Inspection:**	
EJ Screen 80%:		**Days Last Inspection:**	
DFR URL:	http://echo.epa.gov/detailed-facility-report?fid=110071946430		

Clean Water Act (CWA)

NPDES ID(s):	TNR155773	**Penalties:**	
Permit Types:	Non-M	**Last Penalty Date:**	
Compliance Trcking:	On	**Last Penalty Amt:**	
CWA NAICS:		**Qtrs With NC:**	0
CWA SICS:		**Compliance Status:**	No Violation Identified
Inspection Count:		**SNC ?:**	No
Informal Count:		**3Yr QNCR Codes:**	
Formal Action Count:			
Days since Last Inspection:			
Date of Last Formal Action:			
13Qtrs Compl History:	_____		
13Qtrs Effint Exceedances:			

21	***1 of4***	***WNW***	***0.35 / 1,832.14***	***246.68 / -30***	***SOUTHERN STEEL 431 DUNLAP MEMPHIS TN***	***INST***

DOR Site ID:	SRS791072	**County:**	SHELBY
Status:	CLOSED	**Site Latitude:**	35.152251
Total Site Acreage:	4.08	**Site Longitude:**	-90.031523
Tdec Field Office:	MEMPHIS		

Detail(s)

Date Control Recorded:	APR-02-2009	**Control Acreage:**	4.08
Date Control Removed:		**Deed Book:**	051009 00001C
Control Type:	INSTITUTIONAL	**Map:**	
Control Description:	LAND USE RESTRICTION	**Page No:**	
Control Latitude:	35.153	**Parcel:**	
Control Longitude:	-90.033		

21	***2 of4***	***WNW***	***0.35 / 1,832.14***	***246.68 / -30***	***SOUTHERN STEEL 431 DUNLAP MEMPHIS TN***	***LUR***

Dor Site ID:	SRS791072	**EFO:**	MEMPHIS
Site Status:	CLOSED	**County:**	SHELBY
File Type:	LAND USE RESTRICTION	**Site Latitude:**	35.152251
Site Acreage:	4.08	**Site Longitude:**	-90.031523

LUR Details

Correspondence Type:	REFERENCE
Description:	LAND USE RESTRICTION
Document Date:	4/2/2009
Date Received:	
View:	https://dataviewers.tdec.tn.gov/dataviewers/apex_util.count_click?p_url=bgdor.GET_DOCUMENTS?

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

p_file=34324717380869572&p_cat=DOCS&p_id=34324717380869572&p_user=GUEST&p_workspace=19833722515258996">

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
21	3 of4	WNW	0.35 / 1,832.14	246.68 / -30	SOUTHERN STEEL 431 DUNLAP MEMPHIS TN	SRP

DOR Site ID: SRS791072
Status: CLOSED
EPA Facility ID:
EPA Registry ID:
Delisted:
Promulgated Date:
Development District: MIDSOUTH DEVELOPMENT DISTRICT
DOR EFO: MEMPHIS
Program: VOLUNTARY
County: SHELBY
Latitude: 35.152251
Longitude: -90.031523
Acres: 4.08

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
21	4 of4	WNW	0.35 / 1,832.14	246.68 / -30	SOUTHERN STEEL 431 DUNLAP MEMPHIS TN	VCP

Site ID: SRS791072
EPA Facility ID:
EPA Registry ID:
Status: CLOSED
Acres: 4.08
Delisted:
Development District: MIDSOUTH DEVELOPMENT DISTRICT
Program: VOLUNTARY
EFO: MEMPHIS
County: SHELBY
Latitude: 35.152251
Longitude: -90.031523
Promulgated:

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
22	1 of7	S	0.36 / 1,894.87	263.64 / -13	MEMPHIS VA MEDICAL CENTER 1030 JEFFERSON AVENUE MEMPHIS TN 38104	BRS

Handler ID: TN0360016166
Receive Date:
Land Type:
Land Type Desc:
Fed Waste Generator:
State Identification No:
State Waste Generator:
Short Term Generator:
Mixed Waste Generator:
Importer Activity:
Transporter:
Transfer Facility:
TSD Activity:
Recycler Activity:
HW Report Exempt Status:
HW Report Exmp Stat Dsc:
Source Reduction Activity:
Opportunity Assessment:
Generator Status Owner:
Onsite Burner Exemption:
Furnace Exemption:
Undergrnd Injection Activity:
Off Site Receipt:
Universal Waste Dest Fac:
Used Oil Transporter:
Used Oil Transfer Facility:
Used Oil Processor:
Used Oil Refiner:
Used Oil Burner:
Used Oil Market Burner:
Used Oil Spec Marketer:
Subpart K College:
Subpart K Hospital:

Subpart K Nonprofit:	
Subpart K Withdrawal:	
Include in National Report:	
Submittal Reason:	
Submittal Reason Desc:	
Generator Activity:	
Generator Activity Desc:	
Man Batteries:	
Man Pesticides:	
Man Mercury Equip:	
Man Lamps:	
Source Type:	B
Lrg Qntity Gen of Batteries:	
Lrg Qntity Accum of Batter:	
Lrg Qntity Gen of Pesticid:	
Lrg Qntity Accum of Pestic:	
Lrg Qntity Gen of Thermost:	
Lrg Qnt Accum of Thermo:	
Large Quantity Gen of Lamps:	
Large Quantity Accum of Lamps:	
Waste Mng Storage Desc:	
Storage Status Owner:	
On-Site Waste Management Status RCRA1:	
Waste Manage Status Dsc:	
Management Status Owner:	
Waste Management Status Storage:	
On-Site Waste Management Status RCRA2:	
Mngmnt Status Owner2:	
Reporting Cycle Year:	2019
Waste State:	TN
Region:	04
County Code:	TN157
County Name:	SHELBY
Location Country:	
State District:	106
Mail Street No:	
Mail Street1:	
Mail Street2:	
Mail City:	
Mail State:	
Mail Zip:	
Mail Country:	
Contact First Name:	
Contact Middle Initial:	
Contact Last Name:	
Contact Street No:	
Contact Street1:	
Contact Street2:	
Contact City:	
Contact State:	
Contact Zip:	
Contact Country:	
Contact Phone:	
Contact Phone Ext:	
Contact Fax:	
Contact Title:	
Contact Email:	
File Name:	
Notes:	
Activity Location:	TN
Alt Handler Name:	VA MEDICAL CENTER

Generated Wastes Shipped Offsite 2019

Waste Source Code:	G11
Description:	WASTES FROM OTHER INTERMITTENT EVENTS OR PROCESSES - Discarding off-specification, out-of-date, and/or unused chemicals or products
Waste Form Code:	W409
Description:	ORGANIC SOLIDS - Other organic solids
Waste Description:	PHARMACEUTICAL WASTE
Acute Non Acute Status:	Acute Hazardous Waste
Waste Code Group:	PMIX
Federal Waste Codes:	D001;D005;D007;D010;D011;D013;P001;P012;P075;P081;P188
Qty Generated in Tons:	.3575647
Qty Treated Disposed Or R:	0
Qty Shipped Off Site in T:	.3725674
Qty Received in Tons:	0
Management Category:	INCINERATION
Year:	2019

Waste Source Code:	G11
Description:	WASTES FROM OTHER INTERMITTENT EVENTS OR PROCESSES - Discarding off-specification, out-of-date, and/or unused chemicals or products
Waste Form Code:	W219
Description:	ORGANIC LIQUIDS - Other organic liquid
Waste Description:	WASTE AEROSOLS
Acute Non Acute Status:	Non-Acute Hazardous Waste
Waste Code Group:	ICR
Federal Waste Codes:	D001;D003
Qty Generated in Tons:	.1155209
Qty Treated Disposed Or R:	0
Qty Shipped Off Site in T:	.1180213
Qty Received in Tons:	0
Management Category:	FUEL BLENDING
Year:	2019

Waste Source Code:	G11
Description:	WASTES FROM OTHER INTERMITTENT EVENTS OR PROCESSES - Discarding off-specification, out-of-date, and/or unused chemicals or products
Waste Form Code:	W001
Description:	MIXED MEDIA / DEBRIS / DEVICES - Lab packs from any source not containing acute hazardous waste
Waste Description:	LAB PACK
Acute Non Acute Status:	Non-Acute Hazardous Waste
Waste Code Group:	F003
Federal Waste Codes:	D001;D002;D006;D008;D011;D022;F003;U080;U123;U162
Qty Generated in Tons:	1.4412606
Qty Treated Disposed Or R:	0
Qty Shipped Off Site in T:	1.4427609
Qty Received in Tons:	0
Management Category:	FUEL BLENDING
Year:	2019

Waste Source Code:	G19
Description:	WASTES FROM OTHER INTERMITTENT EVENTS OR PROCESSES - Other one-time or intermittent processes
Waste Form Code:	W320
Description:	MIXED MEDIA / DEBRIS / DEVICES - Electrical devices (lamps, thermostats, CRTs, etc.)
Waste Description:	MERCURY DEBRIS
Acute Non Acute Status:	Non-Acute Hazardous Waste
Waste Code Group:	D009
Federal Waste Codes:	D009
Qty Generated in Tons:	.0030005
Qty Treated Disposed Or R:	0
Qty Shipped Off Site in T:	.0030005
Qty Received in Tons:	0
Management Category:	METALS RECOVERY
Year:	2019

Waste Source Code:	G22
Description:	RESIDUALS FROM POLLUTION CONTROL AND WASTE MANAGEMENT PROCESSES - Laboratory analytical wastes (used chemicals from laboratory operations)
Waste Form Code:	W204
Description:	ORGANIC LIQUIDS - Concentrated halogenated/non-halogenated solvent mixture
Waste Description:	WASTE FLAMMABLE LIQ. NOS

Acute Non Acute Status:	Non-Acute Hazardous Waste
Waste Code Group:	F003
Federal Waste Codes:	D001;F003
Qty Generated in Tons:	1.2682293
Qty Treated Disposed Or R:	0
Qty Shipped Off Site in T:	1.2682293
Qty Received in Tons:	0
Management Category:	FUEL BLENDING
Year:	2019

Generated Wastes Shipped Offsite 2017

Waste Source Code:	G11
Description:	WASTES FROM OTHER INTERMITTENT EVENTS OR PROCESSES - Discarding off-specification, out-of-date, and/or unused chemicals or products
Waste Form Code:	W001
Description:	MIXED MEDIA / DEBRIS / DEVICES - Lab packs from any source not containing acute hazardous waste
Waste Description:	LAB PACK
Acute Non Acute Status:	Acute Hazardous Waste
Waste Code Group:	U_PS
Federal Waste Codes:	D001;D002;D003;D011;D022;P105;U188;U239
Qty Generated in Tons:	2.3042237
Qty Treated Disposed Or R:	0
Qty Shipped Off Site in T:	1.045189
Qty Received in Tons:	0
Management Category:	INCINERATION
Year:	2017

Waste Source Code:	G11
Description:	WASTES FROM OTHER INTERMITTENT EVENTS OR PROCESSES - Discarding off-specification, out-of-date, and/or unused chemicals or products
Waste Form Code:	W219
Description:	ORGANIC LIQUIDS - Other organic liquid
Waste Description:	WASTE AEROSOLS
Acute Non Acute Status:	Non-Acute Hazardous Waste
Waste Code Group:	D001
Federal Waste Codes:	D001
Qty Generated in Tons:	.06174
Qty Treated Disposed Or R:	0
Qty Shipped Off Site in T:	.0280052
Qty Received in Tons:	0
Management Category:	FUEL BLENDINGINCINERATION
Year:	2017

Waste Source Code:	G11
Description:	WASTES FROM OTHER INTERMITTENT EVENTS OR PROCESSES - Discarding off-specification, out-of-date, and/or unused chemicals or products
Waste Form Code:	W409
Description:	ORGANIC SOLIDS - Other organic solids
Waste Description:	PHARMACEUTICAL WASTE
Acute Non Acute Status:	Acute Hazardous Waste
Waste Code Group:	PMIX
Federal Waste Codes:	D001;D004;D005;P001;P012;P075
Qty Generated in Tons:	2.525826
Qty Treated Disposed Or R:	0
Qty Shipped Off Site in T:	1.1457073
Qty Received in Tons:	0
Management Category:	INCINERATION
Year:	2017

Waste Source Code:	G22
Description:	RESIDUALS FROM POLLUTION CONTROL AND WASTE MANAGEMENT PROCESSES - Laboratory analytical wastes (used chemicals from laboratory operations)
Waste Form Code:	W204
Description:	ORGANIC LIQUIDS - Concentrated halogenated/non-halogenated solvent mixture
Waste Description:	WASTE FLAMMABLE LIQ. NOS
Acute Non Acute Status:	Non-Acute Hazardous Waste
Waste Code Group:	F1_5

Federal Waste Codes: D001;F002;F003;F005
Qty Generated in Tons: 3.1266882
Qty Treated Disposed Or R: 0
Qty Shipped Off Site in T: 1.4182564
Qty Received in Tons: 0
Management Category: FUEL BLENDINGINCINERATION
Year: 2017

Other Wastes 2017

Waste Source Code: G11
Description: WASTES FROM OTHER INTERMITTENT EVENTS OR PROCESSES - Discarding off-specification, out-of-date, and/or unused chemicals or products
Waste Form Code: W119
Description: INORGANIC LIQUIDS - Other inorganic liquid
Waste Description: BARIUM WASTE
Acute Non Acute Status: Non-Acute Hazardous Waste
Waste Code Group: D005
Federal Waste Codes: D005
Qty Generated in Tons: 0
Qty Treated Disposed Or R: 0
Qty Shipped Off Site in T: 0
Qty Received in Tons: 0
Management Category:
Year: 2017

Waste Source Code: G19
Description: WASTES FROM OTHER INTERMITTENT EVENTS OR PROCESSES - Other one-time or intermittent processes
Waste Form Code: W320
Description: MIXED MEDIA / DEBRIS / DEVICES - Electrical devices (lamps, thermostats, CRTs, etc.)
Waste Description: MERCURY DEVICES
Acute Non Acute Status: Non-Acute Hazardous Waste
Waste Code Group: D009
Federal Waste Codes: D009
Qty Generated in Tons: 0
Qty Treated Disposed Or R: 0
Qty Shipped Off Site in T: 0
Qty Received in Tons: 0
Management Category:
Year: 2017

Waste Source Code: G19
Description: WASTES FROM OTHER INTERMITTENT EVENTS OR PROCESSES - Other one-time or intermittent processes
Waste Form Code: W119
Description: INORGANIC LIQUIDS - Other inorganic liquid
Waste Description: WASTE CYANIDE SOLUTION
Acute Non Acute Status: Acute Hazardous Waste
Waste Code Group: P098
Federal Waste Codes: P098
Qty Generated in Tons: 0
Qty Treated Disposed Or R: 0
Qty Shipped Off Site in T: 0
Qty Received in Tons: 0
Management Category:
Year: 2017

Waste Source Code: G19
Description: WASTES FROM OTHER INTERMITTENT EVENTS OR PROCESSES - Other one-time or intermittent processes
Waste Form Code: W219
Description: ORGANIC LIQUIDS - Other organic liquid
Waste Description: CHEMOTHERAPY WASTE
Acute Non Acute Status: Non-Acute Hazardous Waste
Waste Code Group: D010
Federal Waste Codes: D010
Qty Generated in Tons: 0
Qty Treated Disposed Or R: 0
Qty Shipped Off Site in T: 0
Qty Received in Tons: 0

Management Category:
Year: 2017

Waste Source Code: G11
Description: WASTES FROM OTHER INTERMITTENT EVENTS OR PROCESSES - Discarding off-specification, out-of-date, and/or unused chemicals or products
Waste Form Code: W209
Description: ORGANIC LIQUIDS - Paint, ink, lacquer, or varnish (fluid - not dried out or sludge)
Waste Description: WASTE PAINT RELATED MATERIALS
Acute Non Acute Status: Non-Acute Hazardous Waste
Waste Code Group: F1_5
Federal Waste Codes: D001;D035;F003;F005
Qty Generated in Tons: 0
Qty Treated Disposed Or R: 0
Qty Shipped Off Site in T: 0
Qty Received in Tons: 0
Management Category:
Year: 2017

Waste Source Code: G19
Description: WASTES FROM OTHER INTERMITTENT EVENTS OR PROCESSES - Other one-time or intermittent processes
Waste Form Code: W219
Description: ORGANIC LIQUIDS - Other organic liquid
Waste Description: WASTE ADHESIVE, FLAMMABLE
Acute Non Acute Status: Non-Acute Hazardous Waste
Waste Code Group: D001
Federal Waste Codes: D001
Qty Generated in Tons: 0
Qty Treated Disposed Or R: 0
Qty Shipped Off Site in T: 0
Qty Received in Tons: 0
Management Category:
Year: 2017

Waste Source Code: G01
Description: WASTES FROM ON-GOING PRODUCTION AND SERVICE PROCESSES - Dip, flush or spray rinsing (using solvents to clean or prepare parts or assemblies for further processing)
Waste Form Code: W211
Description: ORGANIC LIQUIDS - Paint thinner or petroleum distillates
Waste Description: VARSOL - WASTE COMBUSTIBLE LIQ. NOS
Acute Non Acute Status: Non-Acute Hazardous Waste
Waste Code Group: D001
Federal Waste Codes: D001
Qty Generated in Tons: 0
Qty Treated Disposed Or R: 0
Qty Shipped Off Site in T: 0
Qty Received in Tons: 0
Management Category:
Year: 2017

Waste Source Code: G19
Description: WASTES FROM OTHER INTERMITTENT EVENTS OR PROCESSES - Other one-time or intermittent processes
Waste Form Code: W801
Description: MIXED MEDIA / DEBRIS / DEVICES - Compressed gases
Waste Description: WASTE COMPRESSED GAS
Acute Non Acute Status: Non-Acute Hazardous Waste
Waste Code Group: F1_5
Federal Waste Codes: D001;D035;F003;F005
Qty Generated in Tons: 0
Qty Treated Disposed Or R: 0
Qty Shipped Off Site in T: 0
Qty Received in Tons: 0
Management Category:
Year: 2017

Waste Source Code: G19
Description: WASTES FROM OTHER INTERMITTENT EVENTS OR PROCESSES - Other one-time or intermittent processes
Waste Form Code: W307
Description: INORGANIC SOLIDS - Metal scale, filings and scrap (including metal drums)

Waste Description:	HAZARDOUS WASTE SOLID NOS - LEAD
Acute Non Acute Status:	Non-Acute Hazardous Waste
Waste Code Group:	D008
Federal Waste Codes:	D008
Qty Generated in Tons:	0
Qty Treated Disposed Or R:	0
Qty Shipped Off Site in T:	0
Qty Received in Tons:	0
Management Category:	
Year:	2017

Waste Source Code:	G19
Description:	WASTES FROM OTHER INTERMITTENT EVENTS OR PROCESSES - Other one-time or intermittent processes
Waste Form Code:	W320
Description:	MIXED MEDIA / DEBRIS / DEVICES - Electrical devices (lamps, thermostats, CRTs, etc.)
Waste Description:	MERCURY DEBRIS
Acute Non Acute Status:	Non-Acute Hazardous Waste
Waste Code Group:	D009
Federal Waste Codes:	D009
Qty Generated in Tons:	0
Qty Treated Disposed Or R:	0
Qty Shipped Off Site in T:	0
Qty Received in Tons:	0
Management Category:	
Year:	2017

Waste Source Code:	G19
Description:	WASTES FROM OTHER INTERMITTENT EVENTS OR PROCESSES - Other one-time or intermittent processes
Waste Form Code:	W117
Description:	INORGANIC LIQUIDS - Waste liquid mercury (metallic)
Waste Description:	ELEMENTAL MERCURY
Acute Non Acute Status:	Non-Acute Hazardous Waste
Waste Code Group:	D009
Federal Waste Codes:	D009
Qty Generated in Tons:	0
Qty Treated Disposed Or R:	0
Qty Shipped Off Site in T:	0
Qty Received in Tons:	0
Management Category:	
Year:	2017

Waste Source Code:	G19
Description:	WASTES FROM OTHER INTERMITTENT EVENTS OR PROCESSES - Other one-time or intermittent processes
Waste Form Code:	W409
Description:	ORGANIC SOLIDS - Other organic solids
Waste Description:	WASTE ORGANIC PEROXIDE
Acute Non Acute Status:	Non-Acute Hazardous Waste
Waste Code Group:	U246
Federal Waste Codes:	D002;U246
Qty Generated in Tons:	0
Qty Treated Disposed Or R:	0
Qty Shipped Off Site in T:	0
Qty Received in Tons:	0
Management Category:	
Year:	2017

Waste Source Code:	G11
Description:	WASTES FROM OTHER INTERMITTENT EVENTS OR PROCESSES - Discarding off-specification, out-of-date, and/or unused chemicals or products
Waste Form Code:	W119
Description:	INORGANIC LIQUIDS - Other inorganic liquid
Waste Description:	WASTE CORROSIVE LIQUID, BASIC, INORGANIC, NOS
Acute Non Acute Status:	Non-Acute Hazardous Waste
Waste Code Group:	D002
Federal Waste Codes:	D002
Qty Generated in Tons:	0
Qty Treated Disposed Or R:	0
Qty Shipped Off Site in T:	0
Qty Received in Tons:	0

Management Category:
Year: 2017

Waste Source Code: G19
Description: WASTES FROM OTHER INTERMITTENT EVENTS OR PROCESSES - Other one-time or intermittent processes
Waste Form Code: W319
Description: INORGANIC SOLIDS - Other inorganic solids
Waste Description: WASTE CYANOGEN BROMIDE
Acute Non Acute Status: Acute Hazardous Waste
Waste Code Group: P098
Federal Waste Codes: P098
Qty Generated in Tons: 0
Qty Treated Disposed Or R: 0
Qty Shipped Off Site in T: 0
Qty Received in Tons: 0
Management Category:
Year: 2017

Generated Wastes Shipped Offsite 2015

Waste Source Code: G19
Description: WASTES FROM OTHER INTERMITTENT EVENTS OR PROCESSES - Other one-time or intermittent processes
Waste Form Code: W307
Description: INORGANIC SOLIDS - Metal scale, filings and scrap (including metal drums)
Waste Description: HAZARDOUS WASTE SOLID NOS - LEAD
Acute Non Acute Status: Non-Acute Hazardous Waste
Waste Code Group: D008
Federal Waste Codes: D008
Qty Generated in Tons: .6614996
Qty Treated Disposed Or R: 0
Qty Shipped Off Site in T: .3000452
Qty Received in Tons: 0
Management Category: SLUDGE TRTMNT / STAB / ENCAP
Year: 2015

Waste Source Code: G11
Description: WASTES FROM OTHER INTERMITTENT EVENTS OR PROCESSES - Discarding off-specification, out-of-date, and/or unused chemicals or products
Waste Form Code: W001
Description: MIXED MEDIA / DEBRIS / DEVICES - Lab packs from any source not containing acute hazardous waste
Waste Description: LAB PACK
Acute Non Acute Status: Non-Acute Hazardous Waste
Waste Code Group: UMIX
Federal Waste Codes: D001;D002;D008;U188;U239
Qty Generated in Tons: .885307
Qty Treated Disposed Or R: 0
Qty Shipped Off Site in T: .4015633
Qty Received in Tons: 0
Management Category: INCINERATION
Year: 2015

Waste Source Code: G11
Description: WASTES FROM OTHER INTERMITTENT EVENTS OR PROCESSES - Discarding off-specification, out-of-date, and/or unused chemicals or products
Waste Form Code: W219
Description: ORGANIC LIQUIDS - Other organic liquid
Waste Description: WASTE AEROSOLS
Acute Non Acute Status: Non-Acute Hazardous Waste
Waste Code Group: D001
Federal Waste Codes: D001
Qty Generated in Tons: .02646
Qty Treated Disposed Or R: 0
Qty Shipped Off Site in T: .0119952
Qty Received in Tons: 0
Management Category: FUEL BLENDING
Year: 2015

Waste Source Code: G11

Description:	WASTES FROM OTHER INTERMITTENT EVENTS OR PROCESSES - Discarding off-specification, out-of-date, and/or unused chemicals or products
Waste Form Code:	W209
Description:	ORGANIC LIQUIDS - Paint, ink, lacquer, or varnish (fluid - not dried out or sludge)
Waste Description:	WASTE PAINT RELATED MATERIALS
Acute Non Acute Status:	Non-Acute Hazardous Waste
Waste Code Group:	F1_5
Federal Waste Codes:	D001;D035;F003;F005
Qty Generated in Tons:	.8048245
Qty Treated Disposed Or R:	0
Qty Shipped Off Site in T:	.3650596
Qty Received in Tons:	0
Management Category:	FUEL BLENDING
Year:	2015

Waste Source Code:	G19
Description:	WASTES FROM OTHER INTERMITTENT EVENTS OR PROCESSES - Other one-time or intermittent processes
Waste Form Code:	W320
Description:	MIXED MEDIA / DEBRIS / DEVICES - Electrical devices (lamps, thermostats, CRTs, etc.)
Waste Description:	MERCURY DEBRIS
Acute Non Acute Status:	Non-Acute Hazardous Waste
Waste Code Group:	D009
Federal Waste Codes:	D009
Qty Generated in Tons:	.2690098
Qty Treated Disposed Or R:	0
Qty Shipped Off Site in T:	.1220136
Qty Received in Tons:	0
Management Category:	METALS RECOVERY
Year:	2015

Waste Source Code:	G22
Description:	RESIDUALS FROM POLLUTION CONTROL AND WASTE MANAGEMENT PROCESSES - Laboratory analytical wastes (used chemicals from laboratory operations)
Waste Form Code:	W204
Description:	ORGANIC LIQUIDS - Concentrated halogenated/non-halogenated solvent mixture
Waste Description:	WASTE FLAMMABLE LIQ. NOS
Acute Non Acute Status:	Non-Acute Hazardous Waste
Waste Code Group:	F1_5
Federal Waste Codes:	D001;F002;F003;F005
Qty Generated in Tons:	2.1586938
Qty Treated Disposed Or R:	0
Qty Shipped Off Site in T:	.9791738
Qty Received in Tons:	0
Management Category:	FUEL BLENDING
Year:	2015

Waste Source Code:	G19
Description:	WASTES FROM OTHER INTERMITTENT EVENTS OR PROCESSES - Other one-time or intermittent processes
Waste Form Code:	W320
Description:	MIXED MEDIA / DEBRIS / DEVICES - Electrical devices (lamps, thermostats, CRTs, etc.)
Waste Description:	MERCURY DEVICES
Acute Non Acute Status:	Non-Acute Hazardous Waste
Waste Code Group:	D009
Federal Waste Codes:	D009
Qty Generated in Tons:	.00441
Qty Treated Disposed Or R:	0
Qty Shipped Off Site in T:	.0019955
Qty Received in Tons:	0
Management Category:	METALS RECOVERY
Year:	2015

Waste Source Code:	G11
Description:	WASTES FROM OTHER INTERMITTENT EVENTS OR PROCESSES - Discarding off-specification, out-of-date, and/or unused chemicals or products
Waste Form Code:	W409
Description:	ORGANIC SOLIDS - Other organic solids
Waste Description:	PHARMACEUTICAL WASTE
Acute Non Acute Status:	Acute Hazardous Waste
Waste Code Group:	PMIX

Federal Waste Codes: D001;D004;D005;P001;P012;P075
Qty Generated in Tons: 1.1686493
Qty Treated Disposed Or R: 0
Qty Shipped Off Site in T: .5300927
Qty Received in Tons: 0
Management Category:
Year: 2015

Other Wastes 2015

Waste Source Code: G19
Description: WASTES FROM OTHER INTERMITTENT EVENTS OR PROCESSES - Other one-time or intermittent processes
Waste Form Code: W117
Description: INORGANIC LIQUIDS - Waste liquid mercury (metallic)
Waste Description: ELEMENTAL MERCURY
Acute Non Acute Status: Non-Acute Hazardous Waste
Waste Code Group: D009
Federal Waste Codes: D009
Qty Generated in Tons: 0
Qty Treated Disposed Or R: 0
Qty Shipped Off Site in T: 0
Qty Received in Tons: 0
Management Category:
Year: 2015

Waste Source Code: G19
Description: WASTES FROM OTHER INTERMITTENT EVENTS OR PROCESSES - Other one-time or intermittent processes
Waste Form Code: W219
Description: ORGANIC LIQUIDS - Other organic liquid
Waste Description: CHEMOTHERAPY WASTE
Acute Non Acute Status: Non-Acute Hazardous Waste
Waste Code Group: D010
Federal Waste Codes: D010
Qty Generated in Tons: 0
Qty Treated Disposed Or R: 0
Qty Shipped Off Site in T: 0
Qty Received in Tons: 0
Management Category:
Year: 2015

Waste Source Code: G19
Description: WASTES FROM OTHER INTERMITTENT EVENTS OR PROCESSES - Other one-time or intermittent processes
Waste Form Code: W801
Description: MIXED MEDIA / DEBRIS / DEVICES - Compressed gases
Waste Description: WASTE COMPRESSED GAS
Acute Non Acute Status: Non-Acute Hazardous Waste
Waste Code Group: F1_5
Federal Waste Codes: D001;D035;F003;F005
Qty Generated in Tons: 0
Qty Treated Disposed Or R: 0
Qty Shipped Off Site in T: 0
Qty Received in Tons: 0
Management Category:
Year: 2015

Waste Source Code: G19
Description: WASTES FROM OTHER INTERMITTENT EVENTS OR PROCESSES - Other one-time or intermittent processes
Waste Form Code: W219
Description: ORGANIC LIQUIDS - Other organic liquid
Waste Description: WASTE ADHESIVE, FLAMMABLE
Acute Non Acute Status: Non-Acute Hazardous Waste
Waste Code Group: D001
Federal Waste Codes: D001
Qty Generated in Tons: 0
Qty Treated Disposed Or R: 0
Qty Shipped Off Site in T: 0
Qty Received in Tons: 0
Management Category:

Year:	2015
Waste Source Code:	G01
Description:	WASTES FROM ON-GOING PRODUCTION AND SERVICE PROCESSES - Dip, flush or spray rinsing (using solvents to clean or prepare parts or assemblies for further processing)
Waste Form Code:	W211
Description:	ORGANIC LIQUIDS - Paint thinner or petroleum distillates
Waste Description:	VARSOL - WASTE COMBUSTIBLE LIQ. NOS
Acute Non Acute Status:	Non-Acute Hazardous Waste
Waste Code Group:	D001
Federal Waste Codes:	D001
Qty Generated in Tons:	0
Qty Treated Disposed Or R:	0
Qty Shipped Off Site in T:	0
Qty Received in Tons:	0
Management Category:	
Year:	2015
Waste Source Code:	G11
Description:	WASTES FROM OTHER INTERMITTENT EVENTS OR PROCESSES - Discarding off-specification, out-of-date, and/or unused chemicals or products
Waste Form Code:	W119
Description:	INORGANIC LIQUIDS - Other inorganic liquid
Waste Description:	BARIUM WASTE
Acute Non Acute Status:	Non-Acute Hazardous Waste
Waste Code Group:	D005
Federal Waste Codes:	D005
Qty Generated in Tons:	0
Qty Treated Disposed Or R:	0
Qty Shipped Off Site in T:	0
Qty Received in Tons:	0
Management Category:	
Year:	2015
Waste Source Code:	G11
Description:	WASTES FROM OTHER INTERMITTENT EVENTS OR PROCESSES - Discarding off-specification, out-of-date, and/or unused chemicals or products
Waste Form Code:	W119
Description:	INORGANIC LIQUIDS - Other inorganic liquid
Waste Description:	WASTE CORROSIVE LIQUID, BASIC, INORGANIC, NOS
Acute Non Acute Status:	Non-Acute Hazardous Waste
Waste Code Group:	D002
Federal Waste Codes:	D002
Qty Generated in Tons:	0
Qty Treated Disposed Or R:	0
Qty Shipped Off Site in T:	0
Qty Received in Tons:	0
Management Category:	
Year:	2015
Waste Source Code:	G19
Description:	WASTES FROM OTHER INTERMITTENT EVENTS OR PROCESSES - Other one-time or intermittent processes
Waste Form Code:	W119
Description:	INORGANIC LIQUIDS - Other inorganic liquid
Waste Description:	WASTE CYANIDE SOLUTION
Acute Non Acute Status:	Acute Hazardous Waste
Waste Code Group:	P098
Federal Waste Codes:	P098
Qty Generated in Tons:	0
Qty Treated Disposed Or R:	0
Qty Shipped Off Site in T:	0
Qty Received in Tons:	0
Management Category:	
Year:	2015
Waste Source Code:	G19
Description:	WASTES FROM OTHER INTERMITTENT EVENTS OR PROCESSES - Other one-time or intermittent processes
Waste Form Code:	W319
Description:	INORGANIC SOLIDS - Other inorganic solids

Waste Description: WASTE CYANOGEN BROMIDE
Acute Non Acute Status: Acute Hazardous Waste
Waste Code Group: P098
Federal Waste Codes: P098
Qty Generated in Tons: 0
Qty Treated Disposed Or R: 0
Qty Shipped Off Site in T: 0
Qty Received in Tons: 0
Management Category:
Year: 2015

Waste Source Code: G19
Description: WASTES FROM OTHER INTERMITTENT EVENTS OR PROCESSES - Other one-time or intermittent processes
Waste Form Code: W409
Description: ORGANIC SOLIDS - Other organic solids
Waste Description: WASTE ORGANIC PEROXIDE
Acute Non Acute Status: Non-Acute Hazardous Waste
Waste Code Group: U246
Federal Waste Codes: D002;U246
Qty Generated in Tons: 0
Qty Treated Disposed Or R: 0
Qty Shipped Off Site in T: 0
Qty Received in Tons: 0
Management Category:
Year: 2015

Generated Wastes Shipped Offsite 2013

Waste Source Code: G19
Description: WASTES FROM OTHER INTERMITTENT EVENTS OR PROCESSES - Other one-time or intermittent processes
Waste Form Code: W307
Description: INORGANIC SOLIDS - Metal scale, filings and scrap (including metal drums)
Waste Description: HAZARDOUS WASTE SOLID NOS - LEAD
Acute Non Acute Status: Non-Acute Hazardous Waste
Waste Code Group: D008
Federal Waste Codes: D008
Qty Generated in Tons: .6665711
Qty Treated Disposed Or R: 0
Qty Shipped Off Site in T: .6665711
Qty Received in Tons: 0
Management Category: SLUDGE TRTMNT / STAB / ENCAP
Year: 2013

Waste Source Code: G11
Description: WASTES FROM OTHER INTERMITTENT EVENTS OR PROCESSES - Discarding off-specification, out-of-date, and/or unused chemicals or products
Waste Form Code: W119
Description: INORGANIC LIQUIDS - Other inorganic liquid
Waste Description: WASTE CORROSIVE LIQUID, BASIC, INORGANIC, NOS
Acute Non Acute Status: Non-Acute Hazardous Waste
Waste Code Group: D002
Federal Waste Codes: D002
Qty Generated in Tons: .1660364
Qty Treated Disposed Or R: 0
Qty Shipped Off Site in T: .1660364
Qty Received in Tons: 0
Management Category: FUEL BLENDING
Year: 2013

Waste Source Code: G11
Description: WASTES FROM OTHER INTERMITTENT EVENTS OR PROCESSES - Discarding off-specification, out-of-date, and/or unused chemicals or products
Waste Form Code: W209
Description: ORGANIC LIQUIDS - Paint, ink, lacquer, or varnish (fluid - not dried out or sludge)
Waste Description: WASTE PAINT RELATED MATERIALS
Acute Non Acute Status: Non-Acute Hazardous Waste
Waste Code Group: D001
Federal Waste Codes: D001

Qty Generated in Tons:	.1600829
Qty Treated Disposed Or R:	0
Qty Shipped Off Site in T:	.1600829
Qty Received in Tons:	0
Management Category:	FUEL BLENDING
Year:	2013

Waste Source Code:	G22
Description:	RESIDUALS FROM POLLUTION CONTROL AND WASTE MANAGEMENT PROCESSES - Laboratory analytical wastes (used chemicals from laboratory operations)
Waste Form Code:	W204
Description:	ORGANIC LIQUIDS - Concentrated halogenated/non-halogenated solvent mixture
Waste Description:	WASTE FLAMMABLE LIQ. NOS
Acute Non Acute Status:	Non-Acute Hazardous Waste
Waste Code Group:	D001
Federal Waste Codes:	D001
Qty Generated in Tons:	.9151847
Qty Treated Disposed Or R:	0
Qty Shipped Off Site in T:	.9151847
Qty Received in Tons:	0
Management Category:	FUEL BLENDING
Year:	2013

Waste Source Code:	G19
Description:	WASTES FROM OTHER INTERMITTENT EVENTS OR PROCESSES - Other one-time or intermittent processes
Waste Form Code:	W320
Description:	MIXED MEDIA / DEBRIS / DEVICES - Electrical devices (lamps, thermostats, CRTs, etc.)
Waste Description:	MERCURY DEVICES
Acute Non Acute Status:	Non-Acute Hazardous Waste
Waste Code Group:	D009
Federal Waste Codes:	D009
Qty Generated in Tons:	.0280035
Qty Treated Disposed Or R:	0
Qty Shipped Off Site in T:	.0280035
Qty Received in Tons:	0
Management Category:	METALS RECOVERY
Year:	2013

Waste Source Code:	G11
Description:	WASTES FROM OTHER INTERMITTENT EVENTS OR PROCESSES - Discarding off-specification, out-of-date, and/or unused chemicals or products
Waste Form Code:	W409
Description:	ORGANIC SOLIDS - Other organic solids
Waste Description:	PHARMACEUTICAL WASTE
Acute Non Acute Status:	Acute Hazardous Waste
Waste Code Group:	P001
Federal Waste Codes:	P001
Qty Generated in Tons:	.5996494
Qty Treated Disposed Or R:	0
Qty Shipped Off Site in T:	.5996494
Qty Received in Tons:	0
Management Category:	INCINERATION
Year:	2013

Waste Source Code:	G11
Description:	WASTES FROM OTHER INTERMITTENT EVENTS OR PROCESSES - Discarding off-specification, out-of-date, and/or unused chemicals or products
Waste Form Code:	W219
Description:	ORGANIC LIQUIDS - Other organic liquid
Waste Description:	WASTE AEROSOLS
Acute Non Acute Status:	Non-Acute Hazardous Waste
Waste Code Group:	D001
Federal Waste Codes:	D001
Qty Generated in Tons:	.0694575
Qty Treated Disposed Or R:	0
Qty Shipped Off Site in T:	.0694575
Qty Received in Tons:	0
Management Category:	FUEL BLENDING
Year:	2013

Waste Source Code: G19
Description: WASTES FROM OTHER INTERMITTENT EVENTS OR PROCESSES - Other one-time or intermittent processes
Waste Form Code: W801
Description: MIXED MEDIA / DEBRIS / DEVICES - Compressed gases
Waste Description: WASTE COMPRESSED GAS
Acute Non Acute Status: Non-Acute Hazardous Waste
Waste Code Group: D001
Federal Waste Codes: D001
Qty Generated in Tons: .0049612
Qty Treated Disposed Or R: 0
Qty Shipped Off Site in T: .0049612
Qty Received in Tons: 0
Management Category: METALS RECOVERY
Year: 2013

Waste Source Code: G11
Description: WASTES FROM OTHER INTERMITTENT EVENTS OR PROCESSES - Discarding off-specification, out-of-date, and/or unused chemicals or products
Waste Form Code: W001
Description: MIXED MEDIA / DEBRIS / DEVICES - Lab packs from any source not containing acute hazardous waste
Waste Description: LAB PACK
Acute Non Acute Status: Acute Hazardous Waste
Waste Code Group: P087
Federal Waste Codes: P087
Qty Generated in Tons: .0350595
Qty Treated Disposed Or R: 0
Qty Shipped Off Site in T: .0350595
Qty Received in Tons: 0
Management Category: FUEL BLENDING
Year: 2013

Generated Wastes Managed Onsite 2011

Waste Source Code: G22
Description: RESIDUALS FROM POLLUTION CONTROL AND WASTE MANAGEMENT PROCESSES - Laboratory analytical wastes (used chemicals from laboratory operations)
Waste Form Code: W204
Description: ORGANIC LIQUIDS - Concentrated halogenated/non-halogenated solvent mixture
Waste Description: WASTE FLAMMABLE LIQ. NOS
Acute Non Acute Status: Non-Acute Hazardous Waste
Waste Code Group: D001
Federal Waste Codes: D001
Qty Generated in Tons: .2345016
Qty Treated Disposed Or R: .2345016
Qty Shipped Off Site in T: 0
Qty Received in Tons: 0
Management Category: FUEL BLENDING
Year: 2011

Generated Wastes Shipped Offsite 2011

Waste Source Code: G22
Description: RESIDUALS FROM POLLUTION CONTROL AND WASTE MANAGEMENT PROCESSES - Laboratory analytical wastes (used chemicals from laboratory operations)
Waste Form Code: W204
Description: ORGANIC LIQUIDS - Concentrated halogenated/non-halogenated solvent mixture
Waste Description: WASTE FLAMMABLE LIQ. NOS
Acute Non Acute Status: Non-Acute Hazardous Waste
Waste Code Group: D001
Federal Waste Codes: D001
Qty Generated in Tons: 1.0901514
Qty Treated Disposed Or R: 0
Qty Shipped Off Site in T: 1.0901514
Qty Received in Tons: 0
Management Category: FUEL BLENDING
Year: 2011

Waste Source Code: G19
Description: WASTES FROM OTHER INTERMITTENT EVENTS OR PROCESSES - Other one-time or intermittent processes
Waste Form Code: W320
Description: MIXED MEDIA / DEBRIS / DEVICES - Electrical devices (lamps, thermostats, CRTs, etc.)
Waste Description: MERCURY DEVICES
Acute Non Acute Status: Non-Acute Hazardous Waste
Waste Code Group: D009
Federal Waste Codes: D009
Qty Generated in Tons: .0250267
Qty Treated Disposed Or R: 0
Qty Shipped Off Site in T: .0250267
Qty Received in Tons: 0
Management Category: METALS RECOVERY
Year: 2011

Waste Source Code: G11
Description: WASTES FROM OTHER INTERMITTENT EVENTS OR PROCESSES - Discarding off-specification, out-of-date, and/or unused chemicals or products
Waste Form Code: W209
Description: ORGANIC LIQUIDS - Paint, ink, lacquer, or varnish (fluid - not dried out or sludge)
Waste Description: WASTE PAINT RELATED MATERIALS
Acute Non Acute Status: Non-Acute Hazardous Waste
Waste Code Group: D001
Federal Waste Codes: D001
Qty Generated in Tons: 2.1603475
Qty Treated Disposed Or R: 0
Qty Shipped Off Site in T: 2.1603475
Qty Received in Tons: 0
Management Category: FUEL BLENDING
Year: 2011

Waste Source Code: G19
Description: WASTES FROM OTHER INTERMITTENT EVENTS OR PROCESSES - Other one-time or intermittent processes
Waste Form Code: W219
Description: ORGANIC LIQUIDS - Other organic liquid
Waste Description: WASTE ADHESIVE, FLAMMABLE
Acute Non Acute Status: Non-Acute Hazardous Waste
Waste Code Group: D001
Federal Waste Codes: D001
Qty Generated in Tons: .1500502
Qty Treated Disposed Or R: 0
Qty Shipped Off Site in T: .1500502
Qty Received in Tons: 0
Management Category: FUEL BLENDING
Year: 2011

Waste Source Code: G11
Description: WASTES FROM OTHER INTERMITTENT EVENTS OR PROCESSES - Discarding off-specification, out-of-date, and/or unused chemicals or products
Waste Form Code: W001
Description: MIXED MEDIA / DEBRIS / DEVICES - Lab packs from any source not containing acute hazardous waste
Waste Description: LAB PACK
Acute Non Acute Status: Acute Hazardous Waste
Waste Code Group: P087
Federal Waste Codes: P087
Qty Generated in Tons: .3380263
Qty Treated Disposed Or R: 0
Qty Shipped Off Site in T: .3380263
Qty Received in Tons: 0
Management Category: METALS RECOVERY
Year: 2011

Waste Source Code: G11
Description: WASTES FROM OTHER INTERMITTENT EVENTS OR PROCESSES - Discarding off-specification, out-of-date, and/or unused chemicals or products
Waste Form Code: W119
Description: INORGANIC LIQUIDS - Other inorganic liquid
Waste Description: WASTE CORROSIVE LIQUID, BASIC, INORGANIC, NOS

Acute Non Acute Status: Non-Acute Hazardous Waste
Waste Code Group: D002
Federal Waste Codes: D002
Qty Generated in Tons: .5026295
Qty Treated Disposed Or R: 0
Qty Shipped Off Site in T: .5026295
Qty Received in Tons: 0
Management Category: FUEL BLENDING
Year: 2011

Waste Source Code: G19
Description: WASTES FROM OTHER INTERMITTENT EVENTS OR PROCESSES - Other one-time or intermittent processes
Waste Form Code: W219
Description: ORGANIC LIQUIDS - Other organic liquid
Waste Description: CHEMOTHERAPY WASTE
Acute Non Acute Status: Non-Acute Hazardous Waste
Waste Code Group: D010
Federal Waste Codes: D010
Qty Generated in Tons: .0094815
Qty Treated Disposed Or R: 0
Qty Shipped Off Site in T: .0094815
Qty Received in Tons: 0
Management Category: LANDFILL
Year: 2011

Waste Source Code: G19
Description: WASTES FROM OTHER INTERMITTENT EVENTS OR PROCESSES - Other one-time or intermittent processes
Waste Form Code: W801
Description: MIXED MEDIA / DEBRIS / DEVICES - Compressed gases
Waste Description: WASTE COMPRESSED GAS
Acute Non Acute Status: Non-Acute Hazardous Waste
Waste Code Group: D001
Federal Waste Codes: D001
Qty Generated in Tons: .1700054
Qty Treated Disposed Or R: 0
Qty Shipped Off Site in T: .1700054
Qty Received in Tons: 0
Management Category: OTHER TREATMENT
Year: 2011

Generated Wastes Shipped Offsite 2009

Waste Source Code: G01
Description: WASTES FROM ON-GOING PRODUCTION AND SERVICE PROCESSES - Dip, flush or spray rinsing (using solvents to clean or prepare parts or assemblies for further processing)
Waste Form Code: W211
Description: ORGANIC LIQUIDS - Paint thinner or petroleum distillates
Waste Description: VARSOL WASTE COMBUSTIBLE LIQ. NOS
Acute Non Acute Status: Non-Acute Hazardous Waste
Waste Code Group: D001
Federal Waste Codes: D001
Qty Generated in Tons: .0164272
Qty Treated Disposed Or R: 0
Qty Shipped Off Site in T: .0164272
Qty Received in Tons: 0
Management Category: SOLVENTS RECOVERY
Year: 2009

Waste Source Code: G19
Description: WASTES FROM OTHER INTERMITTENT EVENTS OR PROCESSES - Other one-time or intermittent processes
Waste Form Code: W307
Description: INORGANIC SOLIDS - Metal scale, filings and scrap (including metal drums)
Waste Description: HAZARDOUS WASTE SOLID NOS - LEAD
Acute Non Acute Status: Non-Acute Hazardous Waste
Waste Code Group: D008
Federal Waste Codes: D008
Qty Generated in Tons: .029547
Qty Treated Disposed Or R: 0

Qty Shipped Off Site in T:	.029547
Qty Received in Tons:	0
Management Category:	SLUDGE TRTMNT / STAB / ENCAP
Year:	2009
Waste Source Code:	G19
Description:	WASTES FROM OTHER INTERMITTENT EVENTS OR PROCESSES - Other one-time or intermittent processes
Waste Form Code:	W801
Description:	MIXED MEDIA / DEBRIS / DEVICES - Compressed gases
Waste Description:	WASTE COMPRESSED GAS
Acute Non Acute Status:	Non-Acute Hazardous Waste
Waste Code Group:	D001
Federal Waste Codes:	D001
Qty Generated in Tons:	.0025357
Qty Treated Disposed Or R:	0
Qty Shipped Off Site in T:	.0025357
Qty Received in Tons:	0
Management Category:	FUEL BLENDING
Year:	2009
Waste Source Code:	G22
Description:	RESIDUALS FROM POLLUTION CONTROL AND WASTE MANAGEMENT PROCESSES - Laboratory analytical wastes (used chemicals from laboratory operations)
Waste Form Code:	W204
Description:	ORGANIC LIQUIDS - Concentrated halogenated/non-halogenated solvent mixture
Waste Description:	WASTE FLAMMABLE LIQ. NOS
Acute Non Acute Status:	Non-Acute Hazardous Waste
Waste Code Group:	D001
Federal Waste Codes:	D001
Qty Generated in Tons:	1.1007354
Qty Treated Disposed Or R:	0
Qty Shipped Off Site in T:	1.1007354
Qty Received in Tons:	0
Management Category:	FUEL BLENDING
Year:	2009
Waste Source Code:	G11
Description:	WASTES FROM OTHER INTERMITTENT EVENTS OR PROCESSES - Discarding off-specification, out-of-date, and/or unused chemicals or products
Waste Form Code:	W119
Description:	INORGANIC LIQUIDS - Other inorganic liquid
Waste Description:	WASTE CORROSIVE LIQUID, BASIC, INORGANIC, NOS
Acute Non Acute Status:	Non-Acute Hazardous Waste
Waste Code Group:	D002
Federal Waste Codes:	D002
Qty Generated in Tons:	.0250267
Qty Treated Disposed Or R:	0
Qty Shipped Off Site in T:	.0250267
Qty Received in Tons:	0
Management Category:	FUEL BLENDING
Year:	2009
Waste Source Code:	G11
Description:	WASTES FROM OTHER INTERMITTENT EVENTS OR PROCESSES - Discarding off-specification, out-of-date, and/or unused chemicals or products
Waste Form Code:	W211
Description:	ORGANIC LIQUIDS - Paint thinner or petroleum distillates
Waste Description:	WASTE PAINT RELATED MATERIALS
Acute Non Acute Status:	Non-Acute Hazardous Waste
Waste Code Group:	D001
Federal Waste Codes:	D001
Qty Generated in Tons:	.0199552
Qty Treated Disposed Or R:	0
Qty Shipped Off Site in T:	.0199552
Qty Received in Tons:	0
Management Category:	FUEL BLENDING
Year:	2009
Waste Source Code:	G19

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Description: WASTES FROM OTHER INTERMITTENT EVENTS OR PROCESSES - Other one-time or intermittent processes
Waste Form Code: W219
Description: ORGANIC LIQUIDS - Other organic liquid
Waste Description: WASTE ADHESIVE, FLAMMABLE
Acute Non Acute Status: Non-Acute Hazardous Waste
Waste Code Group: D001
Federal Waste Codes: D001
Qty Generated in Tons: .0364927
Qty Treated Disposed Or R: 0
Qty Shipped Off Site in T: .0364927
Qty Received in Tons: 0
Management Category: FUEL BLENDING
Year: 2009

Waste Source Code: G19
Description: WASTES FROM OTHER INTERMITTENT EVENTS OR PROCESSES - Other one-time or intermittent processes
Waste Form Code: W320
Description: MIXED MEDIA / DEBRIS / DEVICES - Electrical devices (lamps, thermostats, CRTs, etc.)
Waste Description: MERCURY DEVICES
Acute Non Acute Status: Non-Acute Hazardous Waste
Waste Code Group: D009
Federal Waste Codes: D009
Qty Generated in Tons: .041454
Qty Treated Disposed Or R: 0
Qty Shipped Off Site in T: .041454
Qty Received in Tons: 0
Management Category: METALS RECOVERY
Year: 2009

Waste Source Code: G11
Description: WASTES FROM OTHER INTERMITTENT EVENTS OR PROCESSES - Discarding off-specification, out-of-date, and/or unused chemicals or products
Waste Form Code: W001
Description: MIXED MEDIA / DEBRIS / DEVICES - Lab packs from any source not containing acute hazardous waste
Waste Description: LAB PACK
Acute Non Acute Status: Non-Acute Hazardous Waste
Waste Code Group: D001
Federal Waste Codes: D001
Qty Generated in Tons: .7641423
Qty Treated Disposed Or R: 0
Qty Shipped Off Site in T: .7641423
Qty Received in Tons: 0
Management Category: FUEL BLENDING
Year: 2009

22	2 of7	S	0.36 / 1,894.87	263.64 / -13	VA MEDICAL CENTER 1030 JEFFERSON AVENUE MEMPHIS TN	DOCKET HW

EPA ID: TNN000410932
Status:
Agency:
Region:
Reporting Mechanism:
Data Source: GeoPubs Cleanups at Federal Facilities as of 004/21/2025 (as of 3 Oct 2025)

Federal Facility Cleanup Sites: Searchable List Details

Agency: VETERANS ADMINISTRATION
Status: On MDL
NPL Status Code: N - Not on the NPL
Date Added: 11/25/2008
Non NPL Status: PN - Fed Fac Preliminary Assessment Review Start Needed
Facility Name: VA MEDICAL CENTER
Address: 1030 JEFFERSON AVENUE
City: MEMPHIS
State: TN
Report Mech: RCRA 3010
Docket Fac Count: 1
Region: 04

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
22	3 of7	S	0.36 / 1,894.87	263.64 / -13	VETERANS AFFAIRS MEDICAL CENTER 1030 JEFFERSON AVE MEMPHIS TN 38104	ECHO

FRS ID: 110009445948
Fac EPA Region: 04
Facility County: SHELBY
Facility Latitude: 35.14246
Facility Longitude: -90.0254

Facility Details

Major Facility?:
Active/Operating?: Yes
Compliance Status: No Violation Identified
Signif Non Compl?: No
Programs with SNC: 0
Qtrs with NC: 2
3Yr Compliance Hist: ___VV_____
Formal Action Count: 2
Last Formal Action: 02/05/2021
Last EPA Formal Act: 02/05/2021
Last State Formal Act: 07/06/2011
Informal Count: 4
Last Informal Action: 05/03/2024
Last EPA Informal A: 06/04/2019
Last State Informal A: 05/03/2024
Total Penalties: 85440
Penalty Count: 2
Date of Last Penalty: 02/05/2021
Last Penalty Amount: 42720
myRTK Universe: NNN
Dschg Impair Water?:
EJ Screen 80%:
Air?: Yes
NPDES?: No
SDWIS?: No
RCRA?: Yes
TRI?: No
GHG?: No
SIC Codes: 8062
NAICS Codes: 622110
FIPS Code: 47157
Indian/Tribal?: No
Federal ?:
Federal Agency:
Chesapeake Bay?:
NAA?: No
Coordinate Method: ADDRESS MATCHING-HOUSE NUMBER
Reference Point: CENTER OF A FACILITY OR STATION
Accuracy (Meters): 30
Inspection Count: 1
Last Inspection: 11/02/2023
Last EPA Inspection: 03/26/2019
Last State Inspection: 11/02/2023
Days Last Inspection: 717
DFR URL: http://echo.epa.gov/detailed-facility-report?fid=110009445948

Clean Air Act (CAA)

High Priorty Viol?: No
Compliance Status: No Violation Identified
Qtrs with NC: 0
Formal Action Cnt:
CAA NAICS: 622110
CAA SICS: 8062
AIR ID(s): TNSHL0004715700436
CO2 Releases: Minor Emissions
3Yr Compl Qtrs History: _____
Date of Last Formal Action:
Days SInce Last Evaluation:
Evaluation Count:
Informal Count:
Penalties:
Dt of Last Penalty:
Last Penalty Amt:

Resource Conservation and Recovery Act (RCRA)

RCRA ID(s): TN0360016166
Permit Types: SQG
RCRA NAICS: 622110
Inspection Count: 1
Informal Count: 4
Formal Action Cnt: 1
Days since Last Evaluation: 2398
Date of Last Formal Action: 02/05/2021
3Yr Compl Qtrs History: ___VV_____
Penalties: 42720
Last Penalty Date: 02/05/2021
Last Penalty Amt: 42720
Qtrs with NC: 2
Compliance Status: No Violation Identified
SNC ?: No

Federal Enforcement and Compliance (FEC)

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

FEC Case IDS: 04-2008-5250 04-2020-2120
No. of Cases: 1
Last Case Date: 02/05/2021
Total Penalties: 42720

---

22 | **4 of7** | **S** | **0.36 / 1,894.87** | **263.64 / -13** | **MEMPHIS VA MEDICAL CENTER**
1030 JEFFERSON AVENUE
MEMPHIS TN 38104 | **ECHO**

FRS ID: 110070383112
Fac EPA Region: 04
Facility County: SHELBY
Facility Latitude: 35.14246
Facility Longitude: -90.0254

Facility Details

Major Facility?:
Active/Operating?:
Compliance Status:
Signif Non Compl?: No
Programs with SNC: 0
Qtrs with NC: 0
3Yr Compliance Hist:
Formal Action Count: 0
Last Formal Action:
Last EPA Formal Act:
Last State Formal Act:
Informal Count: 0
Last Informal Action:
Last EPA Informal A:
Last State Informal A:
Total Penalties: 0
Penalty Count:
Date of Last Penalty:
Last Penalty Amount: 0
myRTK Universe: NNN
Dschg Impair Water?: Yes
EJ Screen 80%:
DFR URL: http://echo.epa.gov/detailed-facility-report?fid=110070383112

Air?: No
NPDES?: Yes
SDWIS?: No
RCRA?: No
TRI?: No
GHG?: No
SIC Codes:
NAICS Codes:
FIPS Code: 47157
Indian/Tribal?: No
Federal ?:
Federal Agency:
Chesapeake Bay?:
NAA?: No
Coordinate Method: ADDRESS MATCHING-HOUSE NUMBER
Reference Point: CENTER OF A FACILITY OR STATION
Accuracy (Meters): 30
Inspection Count: 0
Last Inspection:
Last EPA Inspection:
Last State Inspection:
Days Last Inspection:

Clean Water Act (CWA)

NPDES ID(s): TNR154655
Permit Types: Non-M
Compliance Trcking: Off
CWA NAICS:
CWA SICS:
Inspection Count:
Informal Count:
Formal Action Count:
Days since Last Inspection:
Date of Last Formal Action:
13Qtrs Compl History:
13Qtrs Efflnt Exceedances:

Penalties:
Last Penalty Date:
Last Penalty Amt:
Qtrs With NC: 0
Compliance Status: Terminated Permit
SNC ?: No
3Yr QNCR Codes:

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22 | **5 of7** | **S** | **0.36 / 1,894.87** | **263.64 / -13** | **USVA VETERANS ADMIN HOSPITAL**
1030 JEFFERSON AVE
MEMPHIS TN 38104 | **ECHO**

FRS ID: 110067808206
Fac EPA Region: 04
Facility County: SHELBY COUNTY
Facility Latitude: 35.14246
Facility Longitude: -90.0254

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Facility Details - Data Download

Compliance Status:		***Federal?:***	
Active/Operating:		***Federal Agency Nam:***	
SNC?:	No	***SIC Codes:***	
Qtrs in NC?:		***NAICS Codes:***	
Formal Action Cnt:	0	***EJ Screen 80%:***	7
Last Formal Action:		***Indian/Tribal?:***	N
Informal Count:	0	***Indian/Spatial?:***	No
Total Penalties:	0	***Tile Proxmty NPDES:***	73.4
Penalty Count:		***Tile Proximity NPL:***	87
Dt of Last Penalty:		***Tile Proximity RMP:***	75.6
Last Penalty Amt:		***Tile Proximty TSDF:***	89.5
Inspection Count:	0	***Tile O3:***	78.9
Dt of Last Inspect:		***Tile PM:***	78.6
RMP ID(s):		***Tile PCT Pre 1960:***	86.7
EIS ID(s):		***Tile DPM:***	86.5
SEMS IDs:		***Mapped:***	Yes
EPCRA Inspctns 5Yr:		***State County FIPS Cd:***	47157
FIFRA Inspctns 5Yr:		***County [FRS]:***	SHELBY COUNTY
NAA Stndr Classfd as Nonattn:			
NAA Stndr Classfd Maintennc:	Carbon Monoxide (1971); 1-Hour Ozone (1979); 8-Hour Ozone (2008)		
Nonattain Pollutants in NAAs:			
Maintenance Pollutants NAAs:	Carbon Monoxide; Ozone		
Within a Nonattaining NAA:			
Within a Maintenance NAA:	Y		
Date of Last Inspection (EPA):			
Dt Last Inspection(State/Local):			
Days since Last Inspection:			
DFR URL:	https://echo.epa.gov/detailed-facility-report?fid=110067808206		

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
22	6 of7	S	0.36 / 1,894.87	263.64 / -13	VA MEDICAL CENTER 1030 JEFFERSON AVENUE Memphis TN 38104	LUST

Facility ID:	790807
Site No:	1
Facility Name:	VA MEDICAL CENTER
Facility Address 1:	1030 JEFFERSON AVENUE
Facility Address 2:	
City:	Memphis
County:	Shelby
Zip:	38104

Details

Current Status:	1a Completed Tank Closure	***Case Manager:***	David Groce
Cause:		***Contact Title:***	
Discovery date:		***CAC Contact:***	
How Discovered:		***Owner Contact:***	
Section:	FO		
Case Desc:			
Product Released:			
CAC Company:			
Company:	VA MEDICAL CENTER		

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
22	7 of7	S	0.36 / 1,894.87	263.64 / -13	VA MEDICAL CENTER 1030 JEFFERSON AVENUE MEMPHIS TN 38104	SEMS

EPA ID:	TNN000410932	***Latitude:***	35.145034
Pgm Sys ID (Map):	TNN000410932	***Longitude:***	-90.043704
Latitude83 (Map):		***Latitude83 (OD):***	
Longitude83 (Map):		***Longitude83 (OD):***	
Primary Nm (Map):	VETERANS AFFAIRS MEDICAL CENTER		
Loc Addr (Map):	1030 JEFFERSON AVE		

Site Name:	VA MEDICAL CENTER
Street Address:	1030 JEFFERSON AVENUE
Street Address 2:	
City:	MEMPHIS
County:	SHELBY
PGM SYS ID (OD):	TNN000410932
Name (OD):	VETERANS AFFAIRS MEDICAL CENTER
Loc Addr (OD):	1030 JEFFERSON AVE
City (OD):	MEMPHIS
County (OD):	SHELBY
Postal (OD):	38104
County Name (Map):	SHELBY
City Name (Map):	MEMPHIS
Postal Code (Map):	38104
State:	TN
Zip:	38104
Data Source:	EPA Superfund Data and Reports Active Site Inventory (List 8R Active) (as of 27 Aug 2025); EPA FRS Interests Map - SEMS (as of 19 Aug 2025); CalOES EPA RCRA TSDF Map - SEMS (as of 19 Aug 2025)

Site Level Information

Site ID:	0410932	**Superfund Alt Agmt:**	No
NPL:	Not on the NPL	**FIPS Code:**	47157
Federal Facility:	Yes	**Cong District:**	
FF Docket:	Yes	**Region:**	04
Non NPL Status:	Fed Fac Preliminary Assessment Review Start Needed		

Action Information

Site ID:	0410932-TNN000410932	**Start Actual:**	1
Operable Units:	VA MEDICAL CENTER	**Finish Actual:**	1/31/2013 5:00:00 AM
Action Code:	00	**Qual:**	1/31/2013 5:00:00 AM
Action Name:	DS	**Curr Action Lead:**	
SEQ:	DISCVRY		
Region:	04		
FF Docket:	Yes		
NPL:	No		
Federal Facility:	Yes		

GIS Information

Registry ID:	110009445948	**Pgm Sys Acrnm:**	SEMS
Active Status:	NOT ON THE NPL	**Accuracy Value:**	30
Key Field:	SEMSTNN000410932	**HUC8 Code:**	08010210
Interest Type:	SUPERFUND (NON-NPL)	**HUC 12:**	
Fed Agency Name:		**Public Ind:**	Yes
Fed Facility Code:	Yes	**Pgm Report:**	no data yet
Federal Land Ind:		**Point X:**	-90.02539999999999
EPA Region Code:	04	**Point Y:**	35.142460001000074
Fips Code:	47157		
Collect Mth Desc:	ADDRESS MATCHING-HOUSE NUMBER		
Ref Point Desc:	CENTER OF A FACILITY OR STATION		
Latitude83:	35.14246		
Longitude83:	-90.0254		
Fac Url:	https://ofmpub.epa.gov/frs_public2/fii_query_detail.disp_program_facility?p_registry_id=110009445948		
Program Url:			
Pgm Report Url:	no data yet		
Create Dt:	2021-10-26 00:00:00 UTC		
Update Dt:	2021-11-24 13:48:56 UTC		
Last Reported Dt:			

CalOES EPA RCRA TSDF Map - SEMS Details

Registry ID:	110009445948	**HUC 12:**	

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Interest Type:	SUPERFUND (NON-NPL)	**Collect Mth Desc:**	ADDRESS MATCHING-HOUSE NUMBER
Active Status:	NOT ON THE NPL	**Accuracy Value:**	30
Pgm Sys Acrnm:	SEMS	**Ref Point Desc:**	CENTER OF A FACILITY OR STATION
Federal Agency Nm:		**EPA Region Code:**	04
Federal Land Ind:		**Key Field:**	SEMSTNN000410932
Fed Facility Cd:	Yes	**Create Dt:**	10/26/2021
Public Ind:	Yes	**Update Dt:**	11/24/2021
FIPS Code:	47157	**Last Reported Dt:**	
HUC8 Code:	08010210		
Longitude83:	-90.0254		
Latitude83:	35.14246		
Pgm Report Url:	no data yet		
Program URL:			
Fac Url:	https://ofmpub.epa.gov/frs_public2/fii_query_detail.disp_program_facility?p_registry_id=110009445948		

23	1 of2	SW	0.38 / 2,020.98	258.06 / -19	**MEMPHIS MENTAL HEALTH INSTITUTE** **865 POPLAR AVENUE** **MEMPHIS TN**	SRP

DOR Site ID:	SRS791119	**DOR EFO:**	MEMPHIS
Status:	CLOSED	**Program:**	VOLUNTARY
EPA Facility ID:		**County:**	SHELBY
EPA Registry ID:		**Latitude:**	35.144722
Delisted:		**Longitude:**	-90.031389
Promulgated Date:		**Acres:**	
Development District:	MIDSOUTH DEVELOPMENT DISTRICT		

23	2 of2	SW	0.38 / 2,020.98	258.06 / -19	**MEMPHIS MENTAL HEALTH INSTITUTE** **865 POPLAR AVENUE** **MEMPHIS TN**	VCP

Site ID:	SRS791119	**Program:**	VOLUNTARY
EPA Facility ID:		**EFO:**	MEMPHIS
EPA Registry ID:		**County:**	SHELBY
Status:	CLOSED	**Latitude:**	35.144722
Acres:		**Longitude:**	-90.031389
Delisted:		**Promulgated:**	
Development District:	MIDSOUTH DEVELOPMENT DISTRICT		

24	1 of2	NW	0.39 / 2,065.98	244.25 / -33	**MLGW DIVISION - MALLORY PUMPING STATION** **488 NORTH DUNLAP** **MEMPHIS TN 38105**	ECHO

FRS ID:	110018864558	**Facility Latitude:**	35.15375
Fac EPA Region:	04	**Facility Longitude:**	-90.03131
Facility County:	SHELBY		

Facility Details

Major Facility?:		**Air?:**	Yes
Active/Operating?:	Yes	**NPDES?:**	No
Compliance Status:	No Violation Identified	**SDWIS?:**	No
Signif Non Compl?:	No	**RCRA?:**	Yes
Programs with SNC:	0	**TRI?:**	No
Qtrs with NC:	2	**GHG?:**	No
3Yr Compliance Hist:	_VV_____	**SIC Codes:**	4931
Formal Action Count:	0	**NAICS Codes:**	237110 221122
Last Formal Action:		**FIPS Code:**	47157
Last EPA Formal Act:		**Indian/Tribal?:**	No
Last State Formal Act:		**Federal ?:**	

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Informal Count:	2	**Federal Agency:**	
Last Informal Action:	10/16/2023	**Chesapeake Bay?:**	
Last EPA Informal A:		**NAA?:**	No
Last State Informal A:	10/16/2023	**Coordinate Method:**	ADDRESS MATCHING-HOUSE NUMBER
Total Penalties:	0	**Reference Point:**	ENTRANCE POINT OF A FACILITY OR STATION
Penalty Count:		**Accuracy (Meters):**	50
Date of Last Penalty:		**Inspection Count:**	4
Last Penalty Amount:	0	**Last Inspection:**	05/29/2024
myRTK Universe:	NNN	**Last EPA Inspection:**	
Dschg Impair Water?:		**Last State Inspection:**	05/29/2024
EJ Screen 80%:		**Days Last Inspection:**	508

DFR URL: http://echo.epa.gov/detailed-facility-report?fid=110018864558

Clean Air Act (CAA)

High Priorty Viol?:	No	**Evaluation Count:**	3
Compliance Status:	No Violation Identified	**Informal Count:**	1
Qtrs with NC:	1	**Penalties:**	
Formal Action Cnt:		**Dt of Last Penalty:**	
CAA NAICS:	237110	**Last Penalty Amt:**	
CAA SICS:	4931		

AIR ID(s): TNSHL0004715700257
CO2 Releases: 80% Synthetic Minor Emissions
3Yr Compl Qtrs History: _V_____
Date of Last Formal Action:
Days SInce Last Evaluation: 507

Resource Conservation and Recovery Act (RCRA)

RCRA ID(s):	TNR000047621	**Penalties:**	
Permit Types:	VSQG	**Last Penalty Date:**	
RCRA NAICS:	221122	**Last Penalty Amt:**	
Inspection Count:	1	**Qtrs with NC:**	1
Informal Count:	1	**Compliance Status:**	No Violation Identified
Formal Action Cnt:		**SNC ?:**	No

Days since Last Evaluation: 758
Date of Last Formal Action:
3Yr Compl Qtrs History: __V_____

---

24 | **2 of2** | **NW** | **0.39 / 2,065.98** | **244.25 / -33** | **MALLORY PUMPING STATION**
488 NORTH DUNLAP
MEMPHIS TN 38103 | **ECHO**

FRS ID:	110070217327	**Facility Latitude:**	35.15375
Fac EPA Region:	04	**Facility Longitude:**	-90.03131
Facility County:	SHELBY COUNTY		

Facility Details

Major Facility?:		**Air?:**	No
Active/Operating?:		**NPDES?:**	Yes
Compliance Status:		**SDWIS?:**	No
Signif Non Compl?:	No	**RCRA?:**	No
Programs with SNC:	0	**TRI?:**	No
Qtrs with NC:	0	**GHG?:**	No
3Yr Compliance Hist:		**SIC Codes:**	
Formal Action Count:	0	**NAICS Codes:**	
Last Formal Action:		**FIPS Code:**	47157
Last EPA Formal Act:		**Indian/Tribal?:**	No
Last State Formal Act:		**Federal ?:**	
Informal Count:	0	**Federal Agency:**	
Last Informal Action:		**Chesapeake Bay?:**	
Last EPA Informal A:		**NAA?:**	No
Last State Informal A:		**Coordinate Method:**	ADDRESS MATCHING-HOUSE NUMBER

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Total Penalties:	0	**Reference Point:**	ENTRANCE POINT OF A FACILITY OR STATION
Penalty Count:		**Accuracy (Meters):**	50
Date of Last Penalty:		**Inspection Count:**	0
Last Penalty Amount:	0	**Last Inspection:**	
myRTK Universe:	NNN	**Last EPA Inspection:**	
Dschg Impair Water?:	Yes	**Last State Inspection:**	
EJ Screen 80%:		**Days Last Inspection:**	
DFR URL:	http://echo.epa.gov/detailed-facility-report?fid=110070217327		

Clean Water Act (CWA)

NPDES ID(s):	TNR154531	**Penalties:**	
Permit Types:	Non-M	**Last Penalty Date:**	
Compliance Trcking:	Off	**Last Penalty Amt:**	
CWA NAICS:		**Qtrs With NC:**	0
CWA SICS:		**Compliance Status:**	Terminated Permit
Inspection Count:		**SNC ?:**	No
Informal Count:		**3Yr QNCR Codes:**	
Formal Action Count:			
Days since Last Inspection:			
Date of Last Formal Action:			
13Qtrs Compl History:			
13Qtrs Efflnt Exceedances:			

25	1 of1	ENE	0.42 / 2,234.28	261.51 / -15	**TENNISON BROTHERS INC** **450 N BELLEVUE BLVD** **MEMPHIS TN 38104**	ECHO

FRS ID:	110004962498	**Facility Latitude:**	35.15182
Fac EPA Region:	04	**Facility Longitude:**	-90.01998
Facility County:	SHELBY		

Facility Details

Major Facility?:		**Air?:**	No
Active/Operating?:		**NPDES?:**	No
Compliance Status:	No Violation Identified	**SDWIS?:**	No
Signif Non Compl?:	No	**RCRA?:**	Yes
Programs with SNC:	0	**TRI?:**	No
Qtrs with NC:	0	**GHG?:**	No
3Yr Compliance Hist:	_____	**SIC Codes:**	
Formal Action Count:	0	**NAICS Codes:**	44419 332322
Last Formal Action:		**FIPS Code:**	47157
Last EPA Formal Act:		**Indian/Tribal?:**	No
Last State Formal Act:		**Federal ?:**	
Informal Count:	0	**Federal Agency:**	
Last Informal Action:		**Chesapeake Bay?:**	
Last EPA Informal A:		**NAA?:**	No
Last State Informal A:		**Coordinate Method:**	ADDRESS MATCHING-HOUSE NUMBER
Total Penalties:	0	**Reference Point:**	CENTER OF A FACILITY OR STATION
Penalty Count:		**Accuracy (Meters):**	30
Date of Last Penalty:		**Inspection Count:**	0
Last Penalty Amount:	0	**Last Inspection:**	
myRTK Universe:	NNN	**Last EPA Inspection:**	
Dschg Impair Water?:		**Last State Inspection:**	
EJ Screen 80%:		**Days Last Inspection:**	
DFR URL:	http://echo.epa.gov/detailed-facility-report?fid=110004962498		

Resource Conservation and Recovery Act (RCRA)

RCRA ID(s):	TND008053910	**Penalties:**	
Permit Types:	Other	**Last Penalty Date:**	
RCRA NAICS:	332322 44419	**Last Penalty Amt:**	
Inspection Count:		**Qtrs with NC:**	0

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Informal Count:
Formal Action Cnt:
Days since Last Evaluation:
Date of Last Formal Action:
3Yr Compl Qtrs History: _____

Compliance Status: No Violation Identified
SNC ?: No

---

26 | **1 of1** | **S** | **0.43 / 2,254.55** | **250.56 / -26** | **SUCCESS CLEANERS**
1000 JEFFERSON AVENUE
MEMPHIS TN | **HWRA**

Dor Site ID: 79867
EPA Facility ID:
EPA Registry ID:
Status: OPEN
EFO:
Promulgated:
Delisted:
Development District: MIDSOUTH DEVELOPMENT DISTRICT

Program: STATE (HWRA FUNDED)
TDEC Field Office: MEMPHIS
Acres:
County: SHELBY
Latitude: 35.142738
Longitude: -90.027547

---

27 | **1 of1** | **N** | **0.43 / 2,288.72** | **257.28 / -20** | **AIR MASK SERVICE UNIT**
1010 FOXON
Memphis TN 38105 | **LUST**

Facility ID: 9791109
Site No: 1
Facility Name: AIR MASK SERVICE UNIT
Facility Address 1: 1010 FOXON
Facility Address 2:
City: Memphis
County: Shelby
Zip: 38105

Details

Current Status: 1a Completed Tank Closure
Cause:
Discovery date:
How Discovered:
Section: FO
Case Desc:
Product Released:
CAC Company:
Company: CITY OF MEMPHIS/PROP

Case Manager: Chuck Nance
Contact Title:
CAC Contact:
Owner Contact:

---

28 | **1 of1** | **N** | **0.43 / 2,295.17** | **255.10 / -22** | **HART BILL**
974 FAXON
MEMPHIS TN 38105 | **ECHO**

FRS ID: 110004971031
Fac EPA Region: 04
Facility County: SHELBY

Facility Latitude: 35.15589
Facility Longitude: -90.0263

Facility Details

Major Facility?:
Active/Operating?:
Compliance Status: No Violation Identified
Signif Non Compl?: No
Programs with SNC: 0
Qtrs with NC: 0
3Yr Compliance Hist: _____
Formal Action Count: 0
Last Formal Action:

Air?: No
NPDES?: No
SDWIS?: No
RCRA?: Yes
TRI?: No
GHG?: No
SIC Codes:
NAICS Codes: 23332 33711
FIPS Code: 47157

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Last EPA Formal Act:		**Indian/Tribal?:**	No
Last State Formal Act:		**Federal ?:**	
Informal Count:	0	**Federal Agency:**	
Last Informal Action:		**Chesapeake Bay?:**	
Last EPA Informal A:		**NAA?:**	No
Last State Informal A:		**Coordinate Method:**	ADDRESS MATCHING-HOUSE NUMBER
Total Penalties:	0	**Reference Point:**	CENTER OF A FACILITY OR STATION
Penalty Count:		**Accuracy (Meters):**	30
Date of Last Penalty:		**Inspection Count:**	0
Last Penalty Amount:	0	**Last Inspection:**	
myRTK Universe:	NNN	**Last EPA Inspection:**	
Dschg Impair Water?:		**Last State Inspection:**	
EJ Screen 80%:		**Days Last Inspection:**	
DFR URL:	http://echo.epa.gov/detailed-facility-report?fid=110004971031		

Resource Conservation and Recovery Act (RCRA)

RCRA ID(s):	TND061650693	**Penalties:**	
Permit Types:	Other	**Last Penalty Date:**	
RCRA NAICS:	23332 33711	**Last Penalty Amt:**	
Inspection Count:		**Qtrs with NC:**	0
Informal Count:		**Compliance Status:**	No Violation Identified
Formal Action Cnt:		**SNC ?:**	No
Days since Last Evaluation:			
Date of Last Formal Action:			
3Yr Compl Qtrs History:	_____		

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
29	1 of1	SSW	0.44 / 2,314.66	246.89 / -30	MEMPHIS STEAM LAUNDRY AND CLEANERS 941 JEFFERSON AVENUE MEMPHIS TN	HWRA

Dor Site ID:	79855	**Program:**	STATE (HWRA FUNDED)
EPA Facility ID:		**TDEC Field Office:**	MEMPHIS
EPA Registry ID:		**Acres:**	
Status:	OPEN	**County:**	SHELBY
EFO:		**Latitude:**	35.14269
Promulgated:		**Longitude:**	-90.029032
Delisted:			
Development District:	MIDSOUTH DEVELOPMENT DISTRICT		

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
30	1 of23	WNW	0.44 / 2,336.37	236.49 / -40	GS VEHICLE MAINTENANCE MEMPHIS TN 38105	ECHO

FRS ID:	110027676799	**Facility Latitude:**	35.151095
Fac EPA Region:	04	**Facility Longitude:**	-90.03412
Facility County:	SHELBY		

Facility Details - Data Download

Compliance Status:		**Federal?:**	
Active/Operating:		**Federal Agency Nam:**	
SNC?:	No	**SIC Codes:**	
Qtrs in NC?:		**NAICS Codes:**	
Formal Action Cnt:	0	**EJ Screen 80%:**	
Last Formal Action:		**Indian/Tribal?:**	N
Informal Count:	0	**Indian/Spatial?:**	No
Total Penalties:	0	**Tile Proxmty NPDES:**	
Penalty Count:		**Tile Proximity NPL:**	
Dt of Last Penalty:		**Tile Proximity RMP:**	
Last Penalty Amt:		**Tile Proximty TSDF:**	
Inspection Count:	0	**Tile O3:**	
Dt of Last Inspect:		**Tile PM:**	

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

RMP ID(s):
EIS ID(s):
SEMS IDs:
EPCRA Inspctns 5Yr:
FIFRA Inspctns 5Yr:
NAA Stndr Classfd as Nonattn:
NAA Stndr Classfd Maintennc:
Nonattain Pollutants in NAAs:
Maintenance Pollutants NAAs:
Within a Nonattaining NAA:
Within a Maintenance NAA:
Date of Last Inspection (EPA):
Dt Last Inspection(State/Local):
Days since Last Inspection:
DFR URL: https://echo.epa.gov/detailed-facility-report?fid=110027676799

Tile PCT Pre 1960:
Tile DPM:
Mapped: Yes
State County FIPS Cd:
County [FRS]:

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30 | ***2 of23*** | ***WNW*** | ***0.44 / 2,336.37*** | ***236.49 / -40*** | ***INSULATION AND REFRACTORIES SERVICES*** | ***ECHO***

MEMPHIS TN 38105

FRS ID: 110027728369
Fac EPA Region: 04
Facility County: SHELBY

Facility Latitude: 35.151095
Facility Longitude: -90.03412

Facility Details - Data Download

Compliance Status:
Active/Operating:
SNC?: No
Qtrs in NC?:
Formal Action Cnt: 0
Last Formal Action:
Informal Count: 0
Total Penalties: 0
Penalty Count:
Dt of Last Penalty:
Last Penalty Amt:
Inspection Count: 0
Dt of Last Inspect:
RMP ID(s):
EIS ID(s):
SEMS IDs:
EPCRA Inspctns 5Yr:
FIFRA Inspctns 5Yr:
NAA Stndr Classfd as Nonattn:
NAA Stndr Classfd Maintennc:
Nonattain Pollutants in NAAs:
Maintenance Pollutants NAAs:
Within a Nonattaining NAA:
Within a Maintenance NAA:
Date of Last Inspection (EPA):
Dt Last Inspection(State/Local):
Days since Last Inspection:
DFR URL: https://echo.epa.gov/detailed-facility-report?fid=110027728369

Federal?:
Federal Agency Nam:
SIC Codes:
NAICS Codes:
EJ Screen 80%:
Indian/Tribal?: N
Indian/Spatial?: No
Tile Proxmty NPDES:
Tile Proximity NPL:
Tile Proximity RMP:
Tile Proximty TSDF:
Tile O3:
Tile PM:
Tile PCT Pre 1960:
Tile DPM:
Mapped: Yes
State County FIPS Cd:
County [FRS]:

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30 | ***3 of23*** | ***WNW*** | ***0.44 / 2,336.37*** | ***236.49 / -40*** | ***MEMPHIS BULK PLANT*** | ***ECHO***

MEMPHIS TN 38105

FRS ID: 110027768100
Fac EPA Region: 04
Facility County: SHELBY

Facility Latitude: 35.151095
Facility Longitude: -90.03412

Facility Details - Data Download

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Compliance Status:		**Federal?:**	
Active/Operating:		**Federal Agency Nam:**	
SNC?:	No	**SIC Codes:**	
Qtrs in NC?:		**NAICS Codes:**	
Formal Action Cnt:	0	**EJ Screen 80%:**	
Last Formal Action:		**Indian/Tribal?:**	N
Informal Count:	0	**Indian/Spatial?:**	No
Total Penalties:	0	**Tile Proxmty NPDES:**	
Penalty Count:		**Tile Proximity NPL:**	
Dt of Last Penalty:		**Tile Proximity RMP:**	
Last Penalty Amt:		**Tile Proximty TSDF:**	
Inspection Count:	0	**Tile O3:**	
Dt of Last Inspect:		**Tile PM:**	
RMP ID(s):		**Tile PCT Pre 1960:**	
EIS ID(s):		**Tile DPM:**	
SEMS IDs:		**Mapped:**	Yes
EPCRA Inspctns 5Yr:		**State County FIPS Cd:**	
FIFRA Inspctns 5Yr:		**County [FRS]:**	
NAA Stndr Classfd as Nonattn:			
NAA Stndr Classfd Maintennc:			
Nonattain Pollutants in NAAs:			
Maintenance Pollutants NAAs:			
Within a Nonattaining NAA:			
Within a Maintenance NAA:			
Date of Last Inspection (EPA):			
Dt Last Inspection(State/Local):			
Days since Last Inspection:			
DFR URL:	https://echo.epa.gov/detailed-facility-report?fid=110027768100		

30	4 of23	WNW	0.44 / 2,336.37	236.49 / -40	SHELBY COUNTY COURT OF MEMPHIS MEMPHIS TN 38105	ECHO

FRS ID:	110027683175	**Facility Latitude:**	35.151095
Fac EPA Region:	04	**Facility Longitude:**	-90.03412
Facility County:	SHELBY		

Facility Details - Data Download

Compliance Status:		**Federal?:**	
Active/Operating:		**Federal Agency Nam:**	
SNC?:	No	**SIC Codes:**	
Qtrs in NC?:		**NAICS Codes:**	
Formal Action Cnt:	0	**EJ Screen 80%:**	
Last Formal Action:		**Indian/Tribal?:**	N
Informal Count:	0	**Indian/Spatial?:**	No
Total Penalties:	0	**Tile Proxmty NPDES:**	
Penalty Count:		**Tile Proximity NPL:**	
Dt of Last Penalty:		**Tile Proximity RMP:**	
Last Penalty Amt:		**Tile Proximty TSDF:**	
Inspection Count:	0	**Tile O3:**	
Dt of Last Inspect:		**Tile PM:**	
RMP ID(s):		**Tile PCT Pre 1960:**	
EIS ID(s):		**Tile DPM:**	
SEMS IDs:		**Mapped:**	Yes
EPCRA Inspctns 5Yr:		**State County FIPS Cd:**	
FIFRA Inspctns 5Yr:		**County [FRS]:**	
NAA Stndr Classfd as Nonattn:			
NAA Stndr Classfd Maintennc:			
Nonattain Pollutants in NAAs:			
Maintenance Pollutants NAAs:			
Within a Nonattaining NAA:			
Within a Maintenance NAA:			
Date of Last Inspection (EPA):			
Dt Last Inspection(State/Local):			

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Days since Last Inspection:
DFR URL: https://echo.epa.gov/detailed-facility-report?fid=110027683175

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30 | **5 of23** | **WNW** | **0.44 / 2,336.37** | **236.49 / -40** | **DOWNTOWN SHELL** | **ECHO**

MEMPHIS TN 38105

FRS ID:	110027603715	**Facility Latitude:**	35.151095
Fac EPA Region:	04	**Facility Longitude:**	-90.03412
Facility County:	SHELBY		

Facility Details - Data Download

Compliance Status:		**Federal?:**	
Active/Operating:		**Federal Agency Nam:**	
SNC?:	No	**SIC Codes:**	
Qtrs in NC?:		**NAICS Codes:**	
Formal Action Cnt:	0	**EJ Screen 80%:**	
Last Formal Action:		**Indian/Tribal?:**	N
Informal Count:	0	**Indian/Spatial?:**	No
Total Penalties:	0	**Tile Proxmty NPDES:**	
Penalty Count:		**Tile Proximity NPL:**	
Dt of Last Penalty:		**Tile Proximity RMP:**	
Last Penalty Amt:		**Tile Proximty TSDF:**	
Inspection Count:	0	**Tile O3:**	
Dt of Last Inspect:		**Tile PM:**	
RMP ID(s):		**Tile PCT Pre 1960:**	
EIS ID(s):		**Tile DPM:**	
SEMS IDs:		**Mapped:**	Yes
EPCRA Inspctns 5Yr:		**State County FIPS Cd:**	
FIFRA Inspctns 5Yr:		**County [FRS]:**	
NAA Stndr Classfd as Nonattn:			
NAA Stndr Classfd Maintennc:			
Nonattain Pollutants in NAAs:			
Maintenance Pollutants NAAs:			
Within a Nonattaining NAA:			
Within a Maintenance NAA:			
Date of Last Inspection (EPA):			
Dt Last Inspection(State/Local):			
Days since Last Inspection:			
DFR URL:	https://echo.epa.gov/detailed-facility-report?fid=110027603715		

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30 | **6 of23** | **WNW** | **0.44 / 2,336.37** | **236.49 / -40** | **TN TECHOLOGY CENTER OF MEMPHIS** | **ECHO**

MEMPHIS TN 38105

FRS ID:	110027730221	**Facility Latitude:**	35.151095
Fac EPA Region:	04	**Facility Longitude:**	-90.03412
Facility County:	SHELBY		

Facility Details - Data Download

Compliance Status:		**Federal?:**	
Active/Operating:		**Federal Agency Nam:**	
SNC?:	No	**SIC Codes:**	
Qtrs in NC?:		**NAICS Codes:**	
Formal Action Cnt:	0	**EJ Screen 80%:**	
Last Formal Action:		**Indian/Tribal?:**	N
Informal Count:	0	**Indian/Spatial?:**	No
Total Penalties:	0	**Tile Proxmty NPDES:**	
Penalty Count:		**Tile Proximity NPL:**	
Dt of Last Penalty:		**Tile Proximity RMP:**	
Last Penalty Amt:		**Tile Proximty TSDF:**	
Inspection Count:	0	**Tile O3:**	

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Dt of Last Inspect: ***Tile PM:***
RMP ID(s): ***Tile PCT Pre 1960:***
EIS ID(s): ***Tile DPM:***
SEMS IDs: ***Mapped:*** Yes
EPCRA Inspctns 5Yr: ***State County FIPS Cd:***
FIFRA Inspctns 5Yr: ***County [FRS]:***
NAA Stndr Classfd as Nonattn:
NAA Stndr Classfd Maintennc:
Nonattain Pollutants in NAAs:
Maintenance Pollutants NAAs:
Within a Nonattaining NAA:
Within a Maintenance NAA:
Date of Last Inspection (EPA):
Dt Last Inspection(State/Local):
Days since Last Inspection:
DFR URL: https://echo.epa.gov/detailed-facility-report?fid=110027730221

30	7 of23	WNW	0.44 / 2,336.37	236.49 / -40	GREYHOUND MAINTENANCE GARAGE MEMPHIS TN 38105	ECHO

FRS ID: 110027665284 ***Facility Latitude:*** 35.151095
Fac EPA Region: 04 ***Facility Longitude:*** -90.03412
Facility County: SHELBY

Facility Details - Data Download

Compliance Status: ***Federal?:***
Active/Operating: ***Federal Agency Nam:***
SNC?: No ***SIC Codes:***
Qtrs in NC?: ***NAICS Codes:***
Formal Action Cnt: 0 ***EJ Screen 80%:***
Last Formal Action: ***Indian/Tribal?:*** N
Informal Count: 0 ***Indian/Spatial?:*** No
Total Penalties: 0 ***Tile Proxmty NPDES:***
Penalty Count: ***Tile Proximity NPL:***
Dt of Last Penalty: ***Tile Proximity RMP:***
Last Penalty Amt: ***Tile Proximty TSDF:***
Inspection Count: 0 ***Tile O3:***
Dt of Last Inspect: ***Tile PM:***
RMP ID(s): ***Tile PCT Pre 1960:***
EIS ID(s): ***Tile DPM:***
SEMS IDs: ***Mapped:*** Yes
EPCRA Inspctns 5Yr: ***State County FIPS Cd:***
FIFRA Inspctns 5Yr: ***County [FRS]:***
NAA Stndr Classfd as Nonattn:
NAA Stndr Classfd Maintennc:
Nonattain Pollutants in NAAs:
Maintenance Pollutants NAAs:
Within a Nonattaining NAA:
Within a Maintenance NAA:
Date of Last Inspection (EPA):
Dt Last Inspection(State/Local):
Days since Last Inspection:
DFR URL: https://echo.epa.gov/detailed-facility-report?fid=110027665284

30	8 of23	WNW	0.44 / 2,336.37	236.49 / -40	(FORMERLY) CHIP BARWICK CHEVROLET MEMPHIS TN 38105	ECHO

FRS ID: 110027747605 ***Facility Latitude:*** 35.151095
Fac EPA Region: 04 ***Facility Longitude:*** -90.03412
Facility County: SHELBY

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Facility Details - Data Download

Compliance Status:		***Federal?:***	
Active/Operating:		***Federal Agency Nam:***	
SNC?:	No	***SIC Codes:***	
Qtrs in NC?:		***NAICS Codes:***	
Formal Action Cnt:	0	***EJ Screen 80%:***	
Last Formal Action:		***Indian/Tribal?:***	N
Informal Count:	0	***Indian/Spatial?:***	No
Total Penalties:	0	***Tile Proxmty NPDES:***	
Penalty Count:		***Tile Proximity NPL:***	
Dt of Last Penalty:		***Tile Proximity RMP:***	
Last Penalty Amt:		***Tile Proximty TSDF:***	
Inspection Count:	0	***Tile O3:***	
Dt of Last Inspect:		***Tile PM:***	
RMP ID(s):		***Tile PCT Pre 1960:***	
EIS ID(s):		***Tile DPM:***	
SEMS IDs:		***Mapped:***	Yes
EPCRA Inspctns 5Yr:		***State County FIPS Cd:***	
FIFRA Inspctns 5Yr:		***County [FRS]:***	
NAA Stndr Classfd as Nonattn:			
NAA Stndr Classfd Maintennc:			
Nonattain Pollutants in NAAs:			
Maintenance Pollutants NAAs:			
Within a Nonattaining NAA:			
Within a Maintenance NAA:			
Date of Last Inspection (EPA):			
Dt Last Inspection(State/Local):			
Days since Last Inspection:			
DFR URL:	https://echo.epa.gov/detailed-facility-report?fid=110027747605		

30	***9 of23***	***WNW***	***0.44 / 2,336.37***	***236.49 / -40***	***POPLAR AVENUE BP*** ***MEMPHIS TN 38105***	***ECHO***

FRS ID:	110027703910	***Facility Latitude:***	35.151095
Fac EPA Region:	04	***Facility Longitude:***	-90.03412
Facility County:	SHELBY		

Facility Details - Data Download

Compliance Status:		***Federal?:***	
Active/Operating:		***Federal Agency Nam:***	
SNC?:	No	***SIC Codes:***	
Qtrs in NC?:		***NAICS Codes:***	
Formal Action Cnt:	0	***EJ Screen 80%:***	
Last Formal Action:		***Indian/Tribal?:***	N
Informal Count:	0	***Indian/Spatial?:***	No
Total Penalties:	0	***Tile Proxmty NPDES:***	
Penalty Count:		***Tile Proximity NPL:***	
Dt of Last Penalty:		***Tile Proximity RMP:***	
Last Penalty Amt:		***Tile Proximty TSDF:***	
Inspection Count:	0	***Tile O3:***	
Dt of Last Inspect:		***Tile PM:***	
RMP ID(s):		***Tile PCT Pre 1960:***	
EIS ID(s):		***Tile DPM:***	
SEMS IDs:		***Mapped:***	Yes
EPCRA Inspctns 5Yr:		***State County FIPS Cd:***	
FIFRA Inspctns 5Yr:		***County [FRS]:***	
NAA Stndr Classfd as Nonattn:			
NAA Stndr Classfd Maintennc:			
Nonattain Pollutants in NAAs:			
Maintenance Pollutants NAAs:			
Within a Nonattaining NAA:			
Within a Maintenance NAA:			
Date of Last Inspection (EPA):			

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Dt Last Inspection(State/Local):
Days since Last Inspection:
DFR URL: https://echo.epa.gov/detailed-facility-report?fid=110027703910

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30 | ***10 of23*** | ***WNW*** | ***0.44 / 2,336.37*** | ***236.49 / -40*** | ***INSULATION AND REFRACTORIES SERVICE*** | ***ECHO***

MEMPHIS TN 38105

FRS ID: 110027728323
Fac EPA Region: 04
Facility County: SHELBY
Facility Latitude: 35.151095
Facility Longitude: -90.03412

Facility Details - Data Download

Compliance Status:
Active/Operating:
SNC?: No
Qtrs in NC?:
Formal Action Cnt: 0
Last Formal Action:
Informal Count: 0
Total Penalties: 0
Penalty Count:
Dt of Last Penalty:
Last Penalty Amt:
Inspection Count: 0
Dt of Last Inspect:
RMP ID(s):
EIS ID(s):
SEMS IDs:
EPCRA Inspctns 5Yr:
FIFRA Inspctns 5Yr:
NAA Stndr Classfd as Nonattn:
NAA Stndr Classfd Maintennc:
Nonattain Pollutants in NAAs:
Maintenance Pollutants NAAs:
Within a Nonattaining NAA:
Within a Maintenance NAA:
Date of Last Inspection (EPA):
Dt Last Inspection(State/Local):
Days since Last Inspection:
DFR URL: https://echo.epa.gov/detailed-facility-report?fid=110027728323

Federal?:
Federal Agency Nam:
SIC Codes:
NAICS Codes:
EJ Screen 80%:
Indian/Tribal?: N
Indian/Spatial?: No
Tile Proxmty NPDES:
Tile Proximity NPL:
Tile Proximity RMP:
Tile Proximtsy TSDF:
Tile O3:
Tile PM:
Tile PCT Pre 1960:
Tile DPM:
Mapped: Yes
State County FIPS Cd:
County [FRS]:

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30 | ***11 of23*** | ***WNW*** | ***0.44 / 2,336.37*** | ***236.49 / -40*** | ***WILLIAMS EXPRESS, INC. # 3254*** | ***ECHO***

MEMPHIS TN 38105

FRS ID: 110027727173
Fac EPA Region: 04
Facility County: SHELBY
Facility Latitude: 35.151095
Facility Longitude: -90.03412

Facility Details - Data Download

Compliance Status:
Active/Operating:
SNC?: No
Qtrs in NC?:
Formal Action Cnt: 0
Last Formal Action:
Informal Count: 0
Total Penalties: 0
Penalty Count:
Dt of Last Penalty:
Last Penalty Amt:

Federal?:
Federal Agency Nam:
SIC Codes:
NAICS Codes:
EJ Screen 80%:
Indian/Tribal?: N
Indian/Spatial?: No
Tile Proxmty NPDES:
Tile Proximity NPL:
Tile Proximity RMP:
Tile Proximtsy TSDF:

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Inspection Count:	0	**Tile O3:**	
Dt of Last Inspect:		**Tile PM:**	
RMP ID(s):		**Tile PCT Pre 1960:**	
EIS ID(s):		**Tile DPM:**	
SEMS IDs:		**Mapped:**	Yes
EPCRA Inspctns 5Yr:		**State County FIPS Cd:**	
FIFRA Inspctns 5Yr:		**County [FRS]:**	
NAA Stndr Classfd as Nonattn:			
NAA Stndr Classfd Maintennc:			
Nonattain Pollutants in NAAs:			
Maintenance Pollutants NAAs:			
Within a Nonattaining NAA:			
Within a Maintenance NAA:			
Date of Last Inspection (EPA):			
Dt Last Inspection(State/Local):			
Days since Last Inspection:			
DFR URL:	https://echo.epa.gov/detailed-facility-report?fid=110027727173		

30	12 of23	WNW	0.44 / 2,336.37	236.49 / -40	FORMER UNION GROVE BAPTIST CHURCH MEMPHIS TN 38105	ECHO

FRS ID:	110027628976	**Facility Latitude:**	35.151095
Fac EPA Region:	04	**Facility Longitude:**	-90.03412
Facility County:	SHELBY		

Facility Details - Data Download

Compliance Status:		**Federal?:**	
Active/Operating:		**Federal Agency Nam:**	
SNC?:	No	**SIC Codes:**	
Qtrs in NC?:		**NAICS Codes:**	
Formal Action Cnt:	0	**EJ Screen 80%:**	
Last Formal Action:		**Indian/Tribal?:**	N
Informal Count:	0	**Indian/Spatial?:**	No
Total Penalties:	0	**Tile Proxmty NPDES:**	
Penalty Count:		**Tile Proximity NPL:**	
Dt of Last Penalty:		**Tile Proximity RMP:**	
Last Penalty Amt:		**Tile Proximty TSDF:**	
Inspection Count:	0	**Tile O3:**	
Dt of Last Inspect:		**Tile PM:**	
RMP ID(s):		**Tile PCT Pre 1960:**	
EIS ID(s):		**Tile DPM:**	
SEMS IDs:		**Mapped:**	Yes
EPCRA Inspctns 5Yr:		**State County FIPS Cd:**	
FIFRA Inspctns 5Yr:		**County [FRS]:**	
NAA Stndr Classfd as Nonattn:			
NAA Stndr Classfd Maintennc:			
Nonattain Pollutants in NAAs:			
Maintenance Pollutants NAAs:			
Within a Nonattaining NAA:			
Within a Maintenance NAA:			
Date of Last Inspection (EPA):			
Dt Last Inspection(State/Local):			
Days since Last Inspection:			
DFR URL:	https://echo.epa.gov/detailed-facility-report?fid=110027628976		

30	13 of23	WNW	0.44 / 2,336.37	236.49 / -40	HARDY S SERVICE STATION MEMPHIS TN 38105	ECHO

FRS ID:	110027694136	**Facility Latitude:**	35.151095
Fac EPA Region:	04	**Facility Longitude:**	-90.03412
Facility County:	SHELBY		

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Facility Details - Data Download

Compliance Status:
Active/Operating:
SNC?: No
Qtrs in NC?:
Formal Action Cnt: 0
Last Formal Action:
Informal Count: 0
Total Penalties: 0
Penalty Count:
Dt of Last Penalty:
Last Penalty Amt:
Inspection Count: 0
Dt of Last Inspect:
RMP ID(s):
EIS ID(s):
SEMS IDs:
EPCRA Inspctns 5Yr:
FIFRA Inspctns 5Yr:
NAA Stndr Classfd as Nonattn:
NAA Stndr Classfd Maintennc:
Nonattain Pollutants in NAAs:
Maintenance Pollutants NAAs:
Within a Nonattaining NAA:
Within a Maintenance NAA:
Date of Last Inspection (EPA):
Dt Last Inspection(State/Local):
Days since Last Inspection:
DFR URL: https://echo.epa.gov/detailed-facility-report?fid=110027694136

Federal?:
Federal Agency Nam:
SIC Codes:
NAICS Codes:
EJ Screen 80%:
Indian/Tribal?: N
Indian/Spatial?: No
Tile Proxmty NPDES:
Tile Proximity NPL:
Tile Proximity RMP:
Tile Proximty TSDF:
Tile O3:
Tile PM:
Tile PCT Pre 1960:
Tile DPM:
Mapped: Yes
State County FIPS Cd:
County [FRS]:

30	*14 of23*	*WNW*	*0.44 / 2,336.37*	*236.49 / -40*	***PUBLIC WORKS SEWER AND DRAIN MAINT*** ***MEMPHIS TN 38105***	***ECHO***

FRS ID: 110027616881
Fac EPA Region: 04
Facility County: SHELBY

Facility Latitude: 35.151095
Facility Longitude: -90.03412

Facility Details - Data Download

Compliance Status:
Active/Operating:
SNC?: No
Qtrs in NC?:
Formal Action Cnt: 0
Last Formal Action:
Informal Count: 0
Total Penalties: 0
Penalty Count:
Dt of Last Penalty:
Last Penalty Amt:
Inspection Count: 0
Dt of Last Inspect:
RMP ID(s):
EIS ID(s):
SEMS IDs:
EPCRA Inspctns 5Yr:
FIFRA Inspctns 5Yr:
NAA Stndr Classfd as Nonattn:
NAA Stndr Classfd Maintennc:
Nonattain Pollutants in NAAs:
Maintenance Pollutants NAAs:
Within a Nonattaining NAA:
Within a Maintenance NAA:

Federal?:
Federal Agency Nam:
SIC Codes:
NAICS Codes:
EJ Screen 80%:
Indian/Tribal?: N
Indian/Spatial?: No
Tile Proxmty NPDES:
Tile Proximity NPL:
Tile Proximity RMP:
Tile Proximty TSDF:
Tile O3:
Tile PM:
Tile PCT Pre 1960:
Tile DPM:
Mapped: Yes
State County FIPS Cd:
County [FRS]:

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Date of Last Inspection (EPA):
Dt Last Inspection(State/Local):
Days since Last Inspection:
DFR URL: https://echo.epa.gov/detailed-facility-report?fid=110027616881

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30 | ***15 of23*** | ***WNW*** | ***0.44 / 2,336.37*** | ***236.49 / -40*** | ***GOODYEAR ASC (CLOSED)*** | ***ECHO***

MEMPHIS TN 38105

FRS ID: 110027652118
Fac EPA Region: 04
Facility County: SHELBY
Facility Latitude: 35.151095
Facility Longitude: -90.03412

Facility Details - Data Download

Compliance Status:
Active/Operating:
SNC?: No
Qtrs in NC?:
Formal Action Cnt: 0
Last Formal Action:
Informal Count: 0
Total Penalties: 0
Penalty Count:
Dt of Last Penalty:
Last Penalty Amt:
Inspection Count: 0
Dt of Last Inspect:
RMP ID(s):
EIS ID(s):
SEMS IDs:
EPCRA Inspctns 5Yr:
FIFRA Inspctns 5Yr:
NAA Stndr Classfd as Nonattn:
NAA Stndr Classfd Maintennc:
Nonattain Pollutants in NAAs:
Maintenance Pollutants NAAs:
Within a Nonattaining NAA:
Within a Maintenance NAA:
Date of Last Inspection (EPA):
Dt Last Inspection(State/Local):
Days since Last Inspection:
DFR URL: https://echo.epa.gov/detailed-facility-report?fid=110027652118

Federal?:
Federal Agency Nam:
SIC Codes:
NAICS Codes:
EJ Screen 80%:
Indian/Tribal?: N
Indian/Spatial?: No
Tile Proxmty NPDES:
Tile Proximity NPL:
Tile Proximity RMP:
Tile Proximtsy TSDF:
Tile O3:
Tile PM:
Tile PCT Pre 1960:
Tile DPM:
Mapped: Yes
State County FIPS Cd:
County [FRS]:

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30 | ***16 of23*** | ***WNW*** | ***0.44 / 2,336.37*** | ***236.49 / -40*** | ***MALLORY PUMPING STATION*** | ***ECHO***

MEMPHIS TN 38105

FRS ID: 110027741442
Fac EPA Region: 04
Facility County: SHELBY
Facility Latitude: 35.151095
Facility Longitude: -90.03412

Facility Details - Data Download

Compliance Status:
Active/Operating:
SNC?: No
Qtrs in NC?:
Formal Action Cnt: 0
Last Formal Action:
Informal Count: 0
Total Penalties: 0
Penalty Count:
Dt of Last Penalty:
Last Penalty Amt:

Federal?:
Federal Agency Nam:
SIC Codes:
NAICS Codes:
EJ Screen 80%:
Indian/Tribal?: N
Indian/Spatial?: No
Tile Proxmty NPDES:
Tile Proximity NPL:
Tile Proximity RMP:
Tile Proximtsy TSDF:

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Inspection Count:	0	**Tile O3:**	
Dt of Last Inspect:		**Tile PM:**	
RMP ID(s):		**Tile PCT Pre 1960:**	
EIS ID(s):		**Tile DPM:**	
SEMS IDs:		**Mapped:**	Yes
EPCRA Inspctns 5Yr:		**State County FIPS Cd:**	
FIFRA Inspctns 5Yr:		**County [FRS]:**	
NAA Stndr Classfd as Nonattn:			
NAA Stndr Classfd Maintennc:			
Nonattain Pollutants in NAAs:			
Maintenance Pollutants NAAs:			
Within a Nonattaining NAA:			
Within a Maintenance NAA:			
Date of Last Inspection (EPA):			
Dt Last Inspection(State/Local):			
Days since Last Inspection:			
DFR URL:	https://echo.epa.gov/detailed-facility-report?fid=110027741442		

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30 | ***17 of23*** | ***WNW*** | ***0.44 / 2,336.37*** | ***236.49 / -40*** | ***AIR MASK SERVICE UNIT*** | ***ECHO***

MEMPHIS TN 38105

FRS ID:	110027753857	**Facility Latitude:**	35.151095
Fac EPA Region:	04	**Facility Longitude:**	-90.03412
Facility County:	SHELBY		

Facility Details - Data Download

Compliance Status:		**Federal?:**	
Active/Operating:		**Federal Agency Nam:**	
SNC?:	No	**SIC Codes:**	
Qtrs in NC?:		**NAICS Codes:**	
Formal Action Cnt:	0	**EJ Screen 80%:**	
Last Formal Action:		**Indian/Tribal?:**	N
Informal Count:	0	**Indian/Spatial?:**	No
Total Penalties:	0	**Tile Proxmty NPDES:**	
Penalty Count:		**Tile Proximity NPL:**	
Dt of Last Penalty:		**Tile Proximity RMP:**	
Last Penalty Amt:		**Tile Proximty TSDF:**	
Inspection Count:	0	**Tile O3:**	
Dt of Last Inspect:		**Tile PM:**	
RMP ID(s):		**Tile PCT Pre 1960:**	
EIS ID(s):		**Tile DPM:**	
SEMS IDs:		**Mapped:**	Yes
EPCRA Inspctns 5Yr:		**State County FIPS Cd:**	
FIFRA Inspctns 5Yr:		**County [FRS]:**	
NAA Stndr Classfd as Nonattn:			
NAA Stndr Classfd Maintennc:			
Nonattain Pollutants in NAAs:			
Maintenance Pollutants NAAs:			
Within a Nonattaining NAA:			
Within a Maintenance NAA:			
Date of Last Inspection (EPA):			
Dt Last Inspection(State/Local):			
Days since Last Inspection:			
DFR URL:	https://echo.epa.gov/detailed-facility-report?fid=110027753857		

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30 | ***18 of23*** | ***WNW*** | ***0.44 / 2,336.37*** | ***236.49 / -40*** | ***GREYHOUND TERMINAL*** | ***ECHO***

MEMPHIS TN 38105

FRS ID:	110027673765	**Facility Latitude:**	35.151095
Fac EPA Region:	04	**Facility Longitude:**	-90.03412
Facility County:	SHELBY		

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Facility Details - Data Download

Compliance Status:		***Federal?:***	
Active/Operating:		***Federal Agency Nam:***	
SNC?:	No	***SIC Codes:***	
Qtrs in NC?:		***NAICS Codes:***	
Formal Action Cnt:	0	***EJ Screen 80%:***	
Last Formal Action:		***Indian/Tribal?:***	N
Informal Count:	0	***Indian/Spatial?:***	No
Total Penalties:	0	***Tile Proxmty NPDES:***	
Penalty Count:		***Tile Proximity NPL:***	
Dt of Last Penalty:		***Tile Proximity RMP:***	
Last Penalty Amt:		***Tile Proximty TSDF:***	
Inspection Count:	0	***Tile O3:***	
Dt of Last Inspect:		***Tile PM:***	
RMP ID(s):		***Tile PCT Pre 1960:***	
EIS ID(s):		***Tile DPM:***	
SEMS IDs:		***Mapped:***	Yes
EPCRA Inspctns 5Yr:		***State County FIPS Cd:***	
FIFRA Inspctns 5Yr:		***County [FRS]:***	
NAA Stndr Classfd as Nonattn:			
NAA Stndr Classfd Maintennc:			
Nonattain Pollutants in NAAs:			
Maintenance Pollutants NAAs:			
Within a Nonattaining NAA:			
Within a Maintenance NAA:			
Date of Last Inspection (EPA):			
Dt Last Inspection(State/Local):			
Days since Last Inspection:			
DFR URL:	https://echo.epa.gov/detailed-facility-report?fid=110027673765		

30	19 of23	WNW	0.44 / 2,336.37	236.49 / -40	UT MEDICAL GROUP MEMPHIS TN 38105	ECHO

FRS ID:	110027733898	***Facility Latitude:***	35.151095
Fac EPA Region:	04	***Facility Longitude:***	-90.03412
Facility County:	SHELBY		

Facility Details - Data Download

Compliance Status:		***Federal?:***	
Active/Operating:		***Federal Agency Nam:***	
SNC?:	No	***SIC Codes:***	
Qtrs in NC?:		***NAICS Codes:***	
Formal Action Cnt:	0	***EJ Screen 80%:***	
Last Formal Action:		***Indian/Tribal?:***	N
Informal Count:	0	***Indian/Spatial?:***	No
Total Penalties:	0	***Tile Proxmty NPDES:***	
Penalty Count:		***Tile Proximity NPL:***	
Dt of Last Penalty:		***Tile Proximity RMP:***	
Last Penalty Amt:		***Tile Proximty TSDF:***	
Inspection Count:	0	***Tile O3:***	
Dt of Last Inspect:		***Tile PM:***	
RMP ID(s):		***Tile PCT Pre 1960:***	
EIS ID(s):		***Tile DPM:***	
SEMS IDs:		***Mapped:***	Yes
EPCRA Inspctns 5Yr:		***State County FIPS Cd:***	
FIFRA Inspctns 5Yr:		***County [FRS]:***	
NAA Stndr Classfd as Nonattn:			
NAA Stndr Classfd Maintennc:			
Nonattain Pollutants in NAAs:			
Maintenance Pollutants NAAs:			
Within a Nonattaining NAA:			
Within a Maintenance NAA:			
Date of Last Inspection (EPA):			
Dt Last Inspection(State/Local):			

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Days since Last Inspection:
DFR URL: https://echo.epa.gov/detailed-facility-report?fid=110027733898

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30 | **20 of23** | **WNW** | **0.44 / 2,336.37** | **236.49 / -40** | **FLEET SERVICES** | **ECHO**

MEMPHIS TN 38105

FRS ID: 110027710172
Fac EPA Region: 04
Facility County: SHELBY
Facility Latitude: 35.151095
Facility Longitude: -90.03412

Facility Details - Data Download

Compliance Status:
Active/Operating:
SNC?: No
Qtrs in NC?:
Formal Action Cnt: 0
Last Formal Action:
Informal Count: 0
Total Penalties: 0
Penalty Count:
Dt of Last Penalty:
Last Penalty Amt:
Inspection Count: 0
Dt of Last Inspect:
RMP ID(s):
EIS ID(s):
SEMS IDs:
EPCRA Inspctns 5Yr:
FIFRA Inspctns 5Yr:
NAA Stndr Classfd as Nonattn:
NAA Stndr Classfd Maintennc:
Nonattain Pollutants in NAAs:
Maintenance Pollutants NAAs:
Within a Nonattaining NAA:
Within a Maintenance NAA:
Date of Last Inspection (EPA):
Dt Last Inspection(State/Local):
Days since Last Inspection:
DFR URL: https://echo.epa.gov/detailed-facility-report?fid=110027710172

Federal?:
Federal Agency Nam:
SIC Codes:
NAICS Codes:
EJ Screen 80%:
Indian/Tribal?: N
Indian/Spatial?: No
Tile Proxmty NPDES:
Tile Proximity NPL:
Tile Proximity RMP:
Tile Proximty TSDF:
Tile O3:
Tile PM:
Tile PCT Pre 1960:
Tile DPM:
Mapped: Yes
State County FIPS Cd:
County [FRS]:

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30 | **21 of23** | **WNW** | **0.44 / 2,336.37** | **236.49 / -40** | **AUTO CHLOR SYSTEM** | **ECHO**

MEMPHIS TN 38105

FRS ID: 110027752732
Fac EPA Region: 04
Facility County: SHELBY
Facility Latitude: 35.151095
Facility Longitude: -90.03412

Facility Details - Data Download

Compliance Status:
Active/Operating:
SNC?: No
Qtrs in NC?:
Formal Action Cnt: 0
Last Formal Action:
Informal Count: 0
Total Penalties: 0
Penalty Count:
Dt of Last Penalty:
Last Penalty Amt:
Inspection Count: 0
Dt of Last Inspect:

Federal?:
Federal Agency Nam:
SIC Codes:
NAICS Codes:
EJ Screen 80%:
Indian/Tribal?: N
Indian/Spatial?: No
Tile Proxmty NPDES:
Tile Proximity NPL:
Tile Proximity RMP:
Tile Proximty TSDF:
Tile O3:
Tile PM:

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

RMP ID(s):
EIS ID(s):
SEMS IDs:
EPCRA Inspctns 5Yr:
FIFRA Inspctns 5Yr:
NAA Stndr Classfd as Nonattn:
NAA Stndr Classfd Maintennc:
Nonattain Pollutants in NAAs:
Maintenance Pollutants NAAs:
Within a Nonattaining NAA:
Within a Maintenance NAA:
Date of Last Inspection (EPA):
Dt Last Inspection(State/Local):
Days since Last Inspection:
Tile PCT Pre 1960:
Tile DPM:
Mapped: Yes
State County FIPS Cd:
County [FRS]:
DFR URL: https://echo.epa.gov/detailed-facility-report?fid=110027752732

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30 | 22 of23 | WNW | 0.44 / 2,336.37 | 236.49 / -40 | SCOTT S UNION 76 MEMPHIS TN 38105 | ECHO

FRS ID: 110027637699
Fac EPA Region: 04
Facility County: SHELBY
Facility Latitude: 35.151095
Facility Longitude: -90.03412

Facility Details - Data Download

Compliance Status:
Active/Operating:
SNC?: No
Qtrs in NC?:
Formal Action Cnt: 0
Last Formal Action:
Informal Count: 0
Total Penalties: 0
Penalty Count:
Dt of Last Penalty:
Last Penalty Amt:
Inspection Count: 0
Dt of Last Inspect:
RMP ID(s):
EIS ID(s):
SEMS IDs:
EPCRA Inspctns 5Yr:
FIFRA Inspctns 5Yr:
NAA Stndr Classfd as Nonattn:
NAA Stndr Classfd Maintennc:
Nonattain Pollutants in NAAs:
Maintenance Pollutants NAAs:
Within a Nonattaining NAA:
Within a Maintenance NAA:
Date of Last Inspection (EPA):
Dt Last Inspection(State/Local):
Days since Last Inspection:
Federal?:
Federal Agency Nam:
SIC Codes:
NAICS Codes:
EJ Screen 80%:
Indian/Tribal?: N
Indian/Spatial?: No
Tile Proxmty NPDES:
Tile Proximity NPL:
Tile Proximity RMP:
Tile Proximty TSDF:
Tile O3:
Tile PM:
Tile PCT Pre 1960:
Tile DPM:
Mapped: Yes
State County FIPS Cd:
County [FRS]:
DFR URL: https://echo.epa.gov/detailed-facility-report?fid=110027637699

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30 | 23 of23 | WNW | 0.44 / 2,336.37 | 236.49 / -40 | WATER SERVICE CENTER MEMPHIS TN 38105 | ECHO

FRS ID: 110027690498
Fac EPA Region: 04
Facility County: SHELBY
Facility Latitude: 35.151095
Facility Longitude: -90.03412

Facility Details - Data Download

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Compliance Status:		**Federal?:**	
Active/Operating:		**Federal Agency Nam:**	
SNC?:	No	**SIC Codes:**	
Qtrs in NC?:		**NAICS Codes:**	
Formal Action Cnt:	0	**EJ Screen 80%:**	
Last Formal Action:		**Indian/Tribal?:**	N
Informal Count:	0	**Indian/Spatial?:**	No
Total Penalties:	0	**Tile Proxmty NPDES:**	
Penalty Count:		**Tile Proximity NPL:**	
Dt of Last Penalty:		**Tile Proximity RMP:**	
Last Penalty Amt:		**Tile Proximty TSDF:**	
Inspection Count:	0	**Tile O3:**	
Dt of Last Inspect:		**Tile PM:**	
RMP ID(s):		**Tile PCT Pre 1960:**	
EIS ID(s):		**Tile DPM:**	
SEMS IDs:		**Mapped:**	Yes
EPCRA Inspctns 5Yr:		**State County FIPS Cd:**	
FIFRA Inspctns 5Yr:		**County [FRS]:**	
NAA Stndr Classfd as Nonattn:			
NAA Stndr Classfd Maintennc:			
Nonattain Pollutants in NAAs:			
Maintenance Pollutants NAAs:			
Within a Nonattaining NAA:			
Within a Maintenance NAA:			
Date of Last Inspection (EPA):			
Dt Last Inspection(State/Local):			
Days since Last Inspection:			
DFR URL:	https://echo.epa.gov/detailed-facility-report?fid=110027690498		

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31 | ***1 of6*** | ***WSW*** | ***0.44 / 2,343.17*** | ***266.81 / -10*** | ***AMOCO OIL SS# 767 821 POPLAR AVE MEMPHIS TN 38105*** | ***ECHO***

FRS ID:	110004994846	**Facility Latitude:**	35.14557
Fac EPA Region:	04	**Facility Longitude:**	-90.03316
Facility County:	SHELBY		

Facility Details

Major Facility?:		**Air?:**	No
Active/Operating?:		**NPDES?:**	No
Compliance Status:	No Violation Identified	**SDWIS?:**	No
Signif Non Compl?:	No	**RCRA?:**	Yes
Programs with SNC:	0	**TRI?:**	No
Qtrs with NC:	0	**GHG?:**	No
3Yr Compliance Hist:	_____	**SIC Codes:**	
Formal Action Count:	0	**NAICS Codes:**	454319 811198
Last Formal Action:		**FIPS Code:**	47157
Last EPA Formal Act:		**Indian/Tribal?:**	No
Last State Formal Act:		**Federal ?:**	
Informal Count:	0	**Federal Agency:**	
Last Informal Action:		**Chesapeake Bay?:**	
Last EPA Informal A:		**NAA?:**	No
Last State Informal A:		**Coordinate Method:**	ADDRESS MATCHING-HOUSE NUMBER
Total Penalties:	0	**Reference Point:**	CENTER OF A FACILITY OR STATION
Penalty Count:		**Accuracy (Meters):**	30
Date of Last Penalty:		**Inspection Count:**	0
Last Penalty Amount:	0	**Last Inspection:**	
myRTK Universe:	NNN	**Last EPA Inspection:**	
Dschg Impair Water?:		**Last State Inspection:**	
EJ Screen 80%:		**Days Last Inspection:**	
DFR URL:	http://echo.epa.gov/detailed-facility-report?fid=110004994846		

Resource Conservation and Recovery Act (RCRA)

RCRA ID(s):	TND987780459	**Penalties:**	

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Permit Types: Other
RCRA NAICS: 454319 811198
Inspection Count:
Informal Count:
Formal Action Cnt:
Days since Last Evaluation:
Date of Last Formal Action:
3Yr Compl Qtrs History: _____
Last Penalty Date:
Last Penalty Amt:
Qtrs with NC: 0
Compliance Status: No Violation Identified
SNC ?: No

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
31	2 of6	WSW	0.44 / 2,343.17	266.81 / -10	AMOCO STATION #767 821 POPLAR AVENUE Memphis TN 38105	LUST

Facility ID: 9791083
Site No: 1
Facility Name: AMOCO STATION #767
Facility Address 1: 821 POPLAR AVENUE
Facility Address 2:
City: Memphis
County: Shelby
Zip: 38105

Details

Current Status: 8 Case Closed
Cause: 7 Unknown
Discovery date: DEC-06-1991
How Discovered:
Section: FO
Case Desc: SSS ON HOLD ECOVAC
Product Released:
CAC Company: CMD ASSOCIATES, INC.
Company: BP Products North America
Case Manager: Roshanda Forsythe
Contact Title:
CAC Contact:
Owner Contact: Jim Smith

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
31	3 of6	WSW	0.44 / 2,343.17	266.81 / -10	BP/AMOCO #18440 821 Poplar Avenue Memphis TN 38105	LUST

Facility ID: 9791083
Site No: 2
Facility Name: BP/AMOCO #18440
Facility Address 1: 821 Poplar Avenue
Facility Address 2:
City: Memphis
County: Shelby
Zip: 38105

Details

Current Status: 8 Case Closed
Cause:
Discovery date:
How Discovered: 2 Release Detection
Section: FO
Case Desc: Suspected release
Product Released:
CAC Company:
Company: Georgia Commercial Stores, Inc.
Case Manager: Randy Mann
Contact Title:
CAC Contact:
Owner Contact: Ramzan Karimi

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
31	4 of6	WSW	0.44 / 2,343.17	266.81 / -10	Poplar Avenue BP 821 Poplar Avenue Memphis TN 38105	LUST

Facility ID: 9791083

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Site No: 3
Facility Name: Poplar Avenue BP
Facility Address 1: 821 Poplar Avenue
Facility Address 2:
City: Memphis
County: Shelby
Zip: 38105

Details

Current Status: 1d Completed Line Closure
Cause:
Discovery date:
How Discovered:
Section: FO
Case Desc:
Product Released:
CAC Company:
Company:
Case Manager: Roshanda Forsythe
Contact Title:
CAC Contact:
Owner Contact:

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
31	5 of6	WSW	0.44 / 2,343.17	266.81 / -10	Poplar Avenue BP 821 Poplar Avenue Memphis TN 38105	LUST

Facility ID: 9791083
Site No: 4
Facility Name: Poplar Avenue BP
Facility Address 1: 821 Poplar Avenue
Facility Address 2:
City: Memphis
County: Shelby
Zip: 38105

Details

Current Status: 1a Completed Tank Closure
Cause:
Discovery date:
How Discovered:
Section: FO
Case Desc: Tanks removal
Product Released:
CAC Company: SCS Environemtal Group, LLC
Company:
Case Manager: Roshanda Forsythe
Contact Title: Ms.
CAC Contact: Shawn Pool
Owner Contact:

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
31	6 of6	WSW	0.44 / 2,343.17	266.81 / -10	BP STATION #767 821 POPLAR AVE Memphis TN 38105	LUST TRUST

Facility ID: 9791083
Case No: 1
Facility Name: BP STATION #767
Facility Address1: 821 POPLAR AVE
Facility Address2:
Facility City: Memphis

Reimbursement Activities

Applic No: 94236
Status: Closed
Paid Requested: $1,144,109.35
Paid Net Not Negotiable: $131,919.52
Paid Net Pay: $1,011,983.58
Paid Deductible: $20,000.00

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Paid Payment:	$991,983.57
Applied Requested:	
Applied Not Negotiable:	
Applied Net Pay:	
Applied Deductible:	
Applied Payment:	
Facility Owner:	Orion Federal Credit Union
Owner ID:	349647

32 **1 of2** **SW** **0.47 / 2,460.32** **271.17 / -6** **LEBONHEUR CHILDREN'S MEDICAL CENTER**
848 ADAMS AVENUE
MEMPHIS TN 38103 **ECHO**

FRS ID:	110001859551	**Facility Latitude:**	35.14353
Fac EPA Region:	04	**Facility Longitude:**	-90.03245
Facility County:	SHELBY		

Facility Details

Major Facility?:		**Air?:**	Yes
Active/Operating?:	Yes	**NPDES?:**	No
Compliance Status:	No Violation Identified	**SDWIS?:**	No
Signif Non Compl?:	No	**RCRA?:**	No
Programs with SNC:	0	**TRI?:**	No
Qtrs with NC:	0	**GHG?:**	No
3Yr Compliance Hist:	_____	**SIC Codes:**	8069
Formal Action Count:	0	**NAICS Codes:**	999999
Last Formal Action:		**FIPS Code:**	47157
Last EPA Formal Act:		**Indian/Tribal?:**	No
Last State Formal Act:		**Federal ?:**	
Informal Count:	0	**Federal Agency:**	
Last Informal Action:		**Chesapeake Bay?:**	
Last EPA Informal A:		**NAA?:**	No
Last State Informal A:		**Coordinate Method:**	ADDRESS MATCHING-HOUSE NUMBER
Total Penalties:	0	**Reference Point:**	CENTER OF A FACILITY OR STATION
Penalty Count:		**Accuracy (Meters):**	30
Date of Last Penalty:		**Inspection Count:**	0
Last Penalty Amount:	0	**Last Inspection:**	
myRTK Universe:	NNN	**Last EPA Inspection:**	
Dschg Impair Water?:		**Last State Inspection:**	
EJ Screen 80%:		**Days Last Inspection:**	
DFR URL:	http://echo.epa.gov/detailed-facility-report?fid=110001859551		

Clean Air Act (CAA)

High Priorty Viol?:	No	**Evaluation Count:**	
Compliance Status:	No Violation Identified	**Informal Count:**	
Qtrs with NC:	0	**Penalties:**	
Formal Action Cnt:		**Dt of Last Penalty:**	
CAA NAICS:	999999	**Last Penalty Amt:**	
CAA SICS:	8069		
AIR ID(s):	TNSHL0004715700649		
CO2 Releases:	Minor Emissions		
3Yr Compl Qtrs History:	_____		
Date of Last Formal Action:			
Days SInce Last Evaluation:			

32 **2 of2** **SW** **0.47 / 2,460.32** **271.17 / -6** **METHODIST LEBONHEUR PEDIATRIC CVICU EXPANSION**
848 ADAMS AVE.
MEMPHIS TN 38104 **ECHO**

FRS ID:	110070792825	**Facility Latitude:**	35.1449
Fac EPA Region:	04	**Facility Longitude:**	-90.0325

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Facility County: SHELBY

Facility Details

Major Facility?:		**Air?:**	No
Active/Operating?:		**NPDES?:**	Yes
Compliance Status:		**SDWIS?:**	No
Signif Non Compl?:	No	**RCRA?:**	No
Programs with SNC:	0	**TRI?:**	No
Qtrs with NC:	0	**GHG?:**	No
3Yr Compliance Hist:	_____U	**SIC Codes:**	
Formal Action Count:	0	**NAICS Codes:**	
Last Formal Action:		**FIPS Code:**	47157
Last EPA Formal Act:		**Indian/Tribal?:**	No
Last State Formal Act:		**Federal ?:**	
Informal Count:	0	**Federal Agency:**	
Last Informal Action:		**Chesapeake Bay?:**	
Last EPA Informal A:		**NAA?:**	No
Last State Informal A:		**Coordinate Method:**	UNKNOWN
Total Penalties:	0	**Reference Point:**	
Penalty Count:		**Accuracy (Meters):**	34830
Date of Last Penalty:		**Inspection Count:**	0
Last Penalty Amount:	0	**Last Inspection:**	
myRTK Universe:	NNN	**Last EPA Inspection:**	
Dschg Impair Water?:	Yes	**Last State Inspection:**	
EJ Screen 80%:		**Days Last Inspection:**	

DFR URL: http://echo.epa.gov/detailed-facility-report?fid=110070792825

Clean Water Act (CWA)

NPDES ID(s):	TNR154918	**Penalties:**	
Permit Types:	Non-M	**Last Penalty Date:**	
Compliance Trcking:	Off	**Last Penalty Amt:**	
CWA NAICS:		**Qtrs With NC:**	0
CWA SICS:		**Compliance Status:**	Terminated Permit
Inspection Count:		**SNC ?:**	No
Informal Count:		**3Yr QNCR Codes:**	
Formal Action Count:			
Days since Last Inspection:			
Date of Last Formal Action:			
13Qtrs Compl History:	_____U		
13Qtrs Efflnt Exceedances:			

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
33	1 of1	NW	0.47 / 2,489.59	239.84 / -37	ST. JUDE PARKING LOT PARKING LOT ADJACENT TO 757 GALLOWAY AVE MEMPHIS TN 38105	ECHO

FRS ID:	110070256407	**Facility Latitude:**	35.153887
Fac EPA Region:	04	**Facility Longitude:**	-90.032944
Facility County:	SHELBY		

Facility Details

Major Facility?:		**Air?:**	No
Active/Operating?:	Yes	**NPDES?:**	Yes
Compliance Status:	No Violation Identified	**SDWIS?:**	No
Signif Non Compl?:	No	**RCRA?:**	No
Programs with SNC:	0	**TRI?:**	No
Qtrs with NC:	0	**GHG?:**	No
3Yr Compliance Hist:	_____	**SIC Codes:**	
Formal Action Count:	0	**NAICS Codes:**	
Last Formal Action:		**FIPS Code:**	47157
Last EPA Formal Act:		**Indian/Tribal?:**	No
Last State Formal Act:		**Federal ?:**	

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Informal Count:	0	**Federal Agency:**	
Last Informal Action:		**Chesapeake Bay?:**	
Last EPA Informal A:		**NAA?:**	No
Last State Informal A:		**Coordinate Method:**	ADDRESS MATCHING-HOUSE NUMBER
Total Penalties:	0	**Reference Point:**	ENTRANCE POINT OF A FACILITY OR STATION
Penalty Count:		**Accuracy (Meters):**	50
Date of Last Penalty:		**Inspection Count:**	0
Last Penalty Amount:	0	**Last Inspection:**	
myRTK Universe:	NNN	**Last EPA Inspection:**	
Dschg Impair Water?:	Yes	**Last State Inspection:**	
EJ Screen 80%:		**Days Last Inspection:**	
DFR URL:	http://echo.epa.gov/detailed-facility-report?fid=110070256407		

Clean Water Act (CWA)

NPDES ID(s):	TNR154602 TNR154728 TNR155663	**Penalties:**	
Permit Types:	Non-M	**Last Penalty Date:**	
Compliance Trcking:	On	**Last Penalty Amt:**	
CWA NAICS:		**Qtrs With NC:**	0
CWA SICS:		**Compliance Status:**	No Violation Identified
Inspection Count:		**SNC ?:**	No
Informal Count:		**3Yr QNCR Codes:**	
Formal Action Count:			
Days since Last Inspection:			
Date of Last Formal Action:			
13Qtrs Compl History:	_____		
13Qtrs Effint Exceedances:			

34	1 of2	S	0.49 / 2,563.43	259.92 / -17	**HOSPITAL WING** **UNKNOWN** **MEMPHIS TN 00000**	ECHO

FRS ID:	110041612699	**Facility Latitude:**	35.1418
Fac EPA Region:	04	**Facility Longitude:**	-90.0268
Facility County:	SHELBY		

Facility Details - Data Download

Compliance Status:		**Federal?:**	
Active/Operating:		**Federal Agency Nam:**	
SNC?:	No	**SIC Codes:**	
Qtrs in NC?:		**NAICS Codes:**	48811
Formal Action Cnt:	0	**EJ Screen 80%:**	7
Last Formal Action:		**Indian/Tribal?:**	N
Informal Count:	0	**Indian/Spatial?:**	No
Total Penalties:	0	**Tile Proxmty NPDES:**	73.4
Penalty Count:		**Tile Proximity NPL:**	87
Dt of Last Penalty:		**Tile Proximity RMP:**	75.6
Last Penalty Amt:		**Tile Proximty TSDF:**	89.5
Inspection Count:	0	**Tile O3:**	78.9
Dt of Last Inspect:		**Tile PM:**	78.6
RMP ID(s):		**Tile PCT Pre 1960:**	86.7
EIS ID(s):	12001111	**Tile DPM:**	86.5
SEMS IDs:		**Mapped:**	Yes
EPCRA Inspctns 5Yr:		**State County FIPS Cd:**	47157
FIFRA Inspctns 5Yr:		**County [FRS]:**	SHELBY COUNTY
NAA Stndr Classfd as Nonattn:			
NAA Stndr Classfd Maintennc:	Carbon Monoxide (1971); 1-Hour Ozone (1979); 8-Hour Ozone (2008)		
Nonattain Pollutants in NAAs:			
Maintenance Pollutants NAAs:	Carbon Monoxide; Ozone		
Within a Nonattaining NAA:			
Within a Maintenance NAA:	Y		
Date of Last Inspection (EPA):			
Dt Last Inspection(State/Local):			
Days since Last Inspection:			

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

DFR URL: https://echo.epa.gov/detailed-facility-report?fid=110041612699

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34 | **2 of2** | **S** | **0.49 / 2,563.43** | **259.92 / -17** | **HOSPITAL WING**
MEMPHIS TN

PFAS IND

Status:	Unknown	**Fac Fips Code:**	47157
Fac Indian Cntry Flg:	No	**Compliance Status:**	-
Fac Derived Huc:	08010210	**EPA Programs:**	-
Fac Derived Wbd:	080101000703	**Federal Facility:**	No
Fac Derived Cd113:	09	**Federal Agency:**	-
Fac Derived Cb2010:	471570038001018	**Fac Snc Flg:**	No
Fac Informal Count:	0	**AIR Flag:**	No
Last Informal Action:	-	**NPDES Flag:**	No
Formal Action Count:	0	**SDWIS Flag:**	No
Last Formal Action:	-	**RCRAFlag:**	No
Fac Total Penalties:	0	**TRI Flag:**	No
Fac Penalty Count:	-	**GHG Flag:**	No
Date Last Penalty:	-	**TRI IDs:**	-
Last Penalty Amt:	0	**TRI Releases Trnsfrs:**	-
Fac Qtrs With Nc:	-	**TRI on Site Releases:**	-
Programs With Snc:	0	**TRI off Site Trnsfrs:**	-
Fac Percent Minority:	68.921	**TRI Reporter:**	-
Fac Pop Den:	3791.9	**Fac Imp Water Flg:**	-
Count:	1	**Fac Major Flag:**	-
Fac County:	SHELBY	**Fac Active Flag:**	-
State Other:		**Fac Inspection Count:**	0
Region:	04	**Date Last Inspection:**	-
Latitude:	35.1418	**Days Last Inspection:**	-
Longitude:	-90.0268		

Fac Derived Tribes: -
AIR IDs: -
CAA Permit Types: -
CAA NAICS: -
CAA SICS: -
NPDES IDs: -
CWA Permit Types: -
CWA NAICS: -
CWA SICS: -
RCRA IDs: -
RCRA Permit Types: -
RCRA NAICS: -
SDWA IDs: -
SDWA System Types: -
SDWA Compliance Status: -
SDWA Snc Flag: No
Fac Collection Meth: -
ECHO Facility Report: https://echo.epa.gov/detailed-facility-report?fid=110041612699

Details

Industry: Airports

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35 | **1 of1** | **SW** | **0.49 / 2,570.20** | **260.78 / -16** | **THE MED ADAM'S BUILDING**
842 JEFFERSON AVENUE
Memphis TN 38103

LUST

Facility ID: 9792354
Site No: 1
Facility Name: THE MED ADAM'S BUILDING
Facility Address 1: 842 JEFFERSON AVENUE
Facility Address 2:
City: Memphis
County: Shelby
Zip: 38103

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Details

Current Status:	8 Case Closed	***Case Manager:***	Jeff Phillips
Cause:	8 Other	***Contact Title:***	
Discovery date:	NOV-01-1999	***CAC Contact:***	
How Discovered:	1 At Closure	***Owner Contact:***	
Section:	FO		
Case Desc:	Tank Closure		
Product Released:			
CAC Company:			
Company:	REGIONAL MEDICAL CENTER MEMPHIS		

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
36	1 of1	SSW	0.49 / 2,571.22	250.43 / -27	UTHSC Medical Center Emergency Generator Building 956 Court Ave Memphis TN 38103-2814	LUST

Facility ID:	792203
Site No:	1
Facility Name:	UTHSC Medical Center Emergency Generator Building
Facility Address 1:	956 Court Ave
Facility Address 2:	
City:	Memphis
County:	Shelby
Zip:	38103-2814

Details

Current Status:	1a Completed Tank Closure	***Case Manager:***	Susan Watts
Cause:		***Contact Title:***	
Discovery date:	MAR-10-2023	***CAC Contact:***	Wesley Goodnight
How Discovered:		***Owner Contact:***	
Section:	FO		
Case Desc:			
Product Released:			
CAC Company:	Ensafe, Inc.		
Company:			

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
37	1 of1	WSW	0.49 / 2,579.88	270.15 / -7	BLAIR TOWER APARTMENTS 810 WASHINGTON MEMPHIS TN 38105	ECHO

FRS ID:	110028114555	***Facility Latitude:***	35.14463
Fac EPA Region:	04	***Facility Longitude:***	-90.03365
Facility County:	SHELBY		

Facility Details - Data Download

Compliance Status:		***Federal?:***	
Active/Operating:		***Federal Agency Nam:***	
SNC?:	No	***SIC Codes:***	
Qtrs in NC?:		***NAICS Codes:***	
Formal Action Cnt:	0	***EJ Screen 80%:***	10
Last Formal Action:		***Indian/Tribal?:***	N
Informal Count:	0	***Indian/Spatial?:***	No
Total Penalties:	0	***Tile Proxmty NPDES:***	85.4
Penalty Count:		***Tile Proximity NPL:***	90.5
Dt of Last Penalty:		***Tile Proximity RMP:***	75
Last Penalty Amt:		***Tile Proximty TSDF:***	88.5
Inspection Count:	0	***Tile O3:***	86.9
Dt of Last Inspect:		***Tile PM:***	86.4
RMP ID(s):		***Tile PCT Pre 1960:***	89.9
EIS ID(s):		***Tile DPM:***	92.5
SEMS IDs:		***Mapped:***	Yes

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

EPCRA Inspctns 5Yr:		**State County FIPS Cd:**	47157
FIFRA Inspctns 5Yr:		**County [FRS]:**	SHELBY COUNTY
NAA Stndr Classfd as Nonattn:			
NAA Stndr Classfd Maintennc:	Carbon Monoxide (1971); 1-Hour Ozone (1979); 8-Hour Ozone (2008)		
Nonattain Pollutants in NAAs:			
Maintenance Pollutants NAAs:	Carbon Monoxide; Ozone		
Within a Nonattaining NAA:			
Within a Maintenance NAA:	Y		
Date of Last Inspection (EPA):			
Dt Last Inspection(State/Local):			
Days since Last Inspection:			
DFR URL:	https://echo.epa.gov/detailed-facility-report?fid=110028114555		

38	1 of1	WNW	0.49 / 2,596.22	232.33 / -45	PERLMAN F & CO INC 476 NORTH MANASSAS MEMPHIS TN 38101	ECHO

FRS ID:	110004967484	**Facility Latitude:**	35.15311
Fac EPA Region:	04	**Facility Longitude:**	-90.03383
Facility County:	SHELBY		

Facility Details

Major Facility?:		**Air?:**	No
Active/Operating?:		**NPDES?:**	No
Compliance Status:	No Violation Identified	**SDWIS?:**	No
Signif Non Compl?:	No	**RCRA?:**	Yes
Programs with SNC:	0	**TRI?:**	No
Qtrs with NC:	0	**GHG?:**	No
3Yr Compliance Hist:	_____	**SIC Codes:**	
Formal Action Count:	0	**NAICS Codes:**	42193
Last Formal Action:		**FIPS Code:**	47157
Last EPA Formal Act:		**Indian/Tribal?:**	No
Last State Formal Act:		**Federal ?:**	
Informal Count:	0	**Federal Agency:**	
Last Informal Action:		**Chesapeake Bay?:**	
Last EPA Informal A:		**NAA?:**	No
Last State Informal A:		**Coordinate Method:**	ADDRESS MATCHING-HOUSE NUMBER
Total Penalties:	0	**Reference Point:**	CENTER OF A FACILITY OR STATION
Penalty Count:		**Accuracy (Meters):**	30
Date of Last Penalty:		**Inspection Count:**	0
Last Penalty Amount:	0	**Last Inspection:**	
myRTK Universe:	NNN	**Last EPA Inspection:**	
Dschg Impair Water?:		**Last State Inspection:**	
EJ Screen 80%:		**Days Last Inspection:**	
DFR URL:	http://echo.epa.gov/detailed-facility-report?fid=110004967484		

Resource Conservation and Recovery Act (RCRA)

RCRA ID(s):	TND049985716	**Penalties:**	
Permit Types:	Other	**Last Penalty Date:**	
RCRA NAICS:	42193	**Last Penalty Amt:**	
Inspection Count:		**Qtrs with NC:**	0
Informal Count:		**Compliance Status:**	No Violation Identified
Formal Action Cnt:		**SNC ?:**	No
Days since Last Evaluation:			
Date of Last Formal Action:			
3Yr Compl Qtrs History:	_____		

Unplottable Summary

Total: 11 Unplottable sites

DB	Company Name/Site Name	Address	City	Zip	ERIS ID
CERCLIS	EPIC NES-27	I-240 ***Site EPA ID:*** TND980728422	MEMPHIS TN	38138	805420368
CERCLIS NFRAP	EPIC NES-27	I-240 ***Site EPA ID:*** TND980728422	MEMPHIS TN	38138	805471961
SEMS ARCHIVE	EPIC NES-27	I-240 ***EPA ID:*** TND980728422	MEMPHIS TN	38138	828881532
SWM COMPLAINT	TEMA Incident #2147-2021	I-240EB MM12.6	Memphis TN		921328655
SWM COMPLAINT	TEMA Incident #2320	I-240 MM20	Memphis TN		866032689
SWM COMPLAINT	TEMA Incident #2158-2023	I-240NB MM29	Memphis TN		921326605
SWM COMPLAINT	TEMA Incident #1820-2023	I-240WB MM19.6	Memphis TN		921327128
SWM COMPLAINT	TEMA Incident #1355-2024	I-240EB MM14.6	Memphis TN		924412121
SWM COMPLAINT	TEMA Incident #1065-2024	I-240EB MM5.6	Memphis TN		923805935
SWM COMPLAINT	TEMA Incident #990-2022	I-240 MM24.4	Memphis TN		921328525
SWM COMPLAINT	TEMA Incident #2094-2021	I-240WB MM16.6	Memphis TN		921328324

Unplottable Report

Site: ***EPIC NES-27***
I-240 MEMPHIS TN 38138

CERCLIS

Site ID:	0403988	***RNPL Status Code:***	N
Site EPA ID:	TND980728422	***NPL Status:***	Not on the NPL
Site Street Address 2:		***RFED Facility Code:***	N
Site County Name:	SHELBY	***RFED Facility Desc:***	Not a Federal Facility
Site FIPS Code:	47157	***USGS Hydro Unit No.:***	08010210
Region Code:	04	***Site Cong. Dist. Code:***	07
Site SMSA No.:	4920	***ROT Desc:***	Other
Site Prim. Latitude:	35D04M42S	***FR NPL Update No.:***	
Site Prim. Longitude:	089D46M42S	***RFRA Code:***	
Lat Long Source:			

RNON NPL Status Desc: NFRAP-Site does not qualify for the NPL based on existing information

CERCLIS Assess History

OU ID:	00	***RALT Short Name:***	EPA In-House
Act Code ID:	001	***Act Start Date:***	
RAT Code:	VS	***Act Complete Date:***	8/1/1984 00:00:00
RAT Short Name:	ARCH SITE	***AGT Order No.:***	1500
RAT Name:	ARCHIVE SITE	***SH OU:***	
RAT Hist. Only Flag:		***SH Code:***	
RAT NSI Indicator:	B	***SH Seq:***	
RAT Level:	1	***SH Start Date:***	
RAT DEF OU:	00	***SH Complete Date:***	
RFBS Code:		***SH Lead:***	
SPA Code:	13		

RAT Def: The decision is made that no further activity is planned at the site.
Site Desc:
Site Alias:

CERCLIS Assess History

OU ID:	00	***RALT Short Name:***	State (Fund)
Act Code ID:	001	***Act Start Date:***	
RAT Code:	PA	***Act Complete Date:***	8/1/1984 00:00:00
RAT Short Name:	PA	***AGT Order No.:***	130
RAT Name:	PRELIMINARY ASSESSMENT	***SH OU:***	
RAT Hist. Only Flag:		***SH Code:***	
RAT NSI Indicator:	B	***SH Seq:***	
RAT Level:	1	***SH Start Date:***	
RAT DEF OU:	00	***SH Complete Date:***	
RFBS Code:	P	***SH Lead:***	
SPA Code:	13		

RAT Def: Collection of diverse existing information about the source and nature of the site hazard. It is EPA policy to complete the preliminary assessment within one year of site discovery.
Site Desc:
Site Alias:

CERCLIS Assess History

OU ID:	00	***RALT Short Name:***	EPA Fund
Act Code ID:	001	***Act Start Date:***	
RAT Code:	DS	***Act Complete Date:***	12/1/1979 00:00:00
RAT Short Name:	DISCVRY	***AGT Order No.:***	10
RAT Name:	DISCOVERY	***SH OU:***	
RAT Hist. Only Flag:		***SH Code:***	
RAT NSI Indicator:	B	***SH Seq:***	

RAT Level:	1	***SH Start Date:***	
RAT DEF OU:	00	***SH Complete Date:***	
RFBS Code:		***SH Lead:***	
SPA Code:	13		

RAT Def: The process by which a potential hazardous waste site is brought to the attention of the EPA. The process can occur through the use of several mechanisms such as a phone call or referral by another government agency.

Site Desc:

Site Alias:

CERCLIS Assess History

OU ID:	00	***RALT Short Name:***	
Act Code ID:		***Act Start Date:***	
RAT Code:		***Act Complete Date:***	
RAT Short Name:		***AGT Order No.:***	0
RAT Name:		***SH OU:***	
RAT Hist. Only Flag:		***SH Code:***	
RAT NSI Indicator:		***SH Seq:***	
RAT Level:		***SH Start Date:***	
RAT DEF OU:		***SH Complete Date:***	
RFBS Code:		***SH Lead:***	
SPA Code:			
RAT Def:			

Site Desc: No description available
.

Site Alias: EPIC NES-27,,SHELBY,TN,;

Site: ***EPIC NES-27***
I-240 MEMPHIS TN 38138

CERCLIS NFRAP

Site ID:	403988	***Site FIPS Code:***	47157
Site EPA ID:	TND980728422	***Region Code:***	4
Site Parent ID:		***Site Cong. Dist. Code:***	7
Site County Name:	SHELBY	***Federal Facility:***	
Parent Site Name:			

CERCLIS-NFRAP Assess History

OU ID:	0	***Act Start Date:***	
Act Code ID:	1	***Act Complete Date:***	12/1/1979
RAT Code:	DS	***AGT Order No.:***	10
RAT Short Name:	DISCVRY	***SH OU:***	
RAT Name:	DISCOVERY	***SH Code:***	
RAT Hist. Only Flag:		***SH Seq:***	
RAT NSI Indicator:	B	***SH Start Date:***	
RAT Level:	1	***SH Complete Date:***	
RAT DEF OU:	00	***SH Lead:***	
RFBS Code:		***SH Qual:***	
SPA Code:	13	***RAQ Act. Qual Short:***	
RALT Short Name:	EPA Fund	***RNPL Status Code:***	N

RAT Def: The process by which a potential hazardous waste site is brought to the attention of the EPA. The process can occur through the use of several mechanisms such as a phone call or referral by another government agency.

RNON NPL Status Desc: NFRAP-Site does not qualify for the NPL based on existing information

CERCLIS-NFRAP Assess History

OU ID:	0	***Act Start Date:***	
Act Code ID:	1	***Act Complete Date:***	8/1/1984
RAT Code:	PA	***AGT Order No.:***	130
RAT Short Name:	PA	***SH OU:***	
RAT Name:	PRELIMINARY ASSESSMENT	***SH Code:***	
RAT Hist. Only Flag:		***SH Seq:***	
RAT NSI Indicator:	B	***SH Start Date:***	
RAT Level:	1	***SH Complete Date:***	
RAT DEF OU:	00	***SH Lead:***	
RFBS Code:	P	***SH Qual:***	
SPA Code:	13	***RAQ Act. Qual Short:***	NFRAP
RALT Short Name:	State (Fund)	***RNPL Status Code:***	N

RAT Def: Collection of diverse existing information about the source and nature of the site hazard. It is EPA policy to complete the preliminary assessment within one year of site discovery.
RNON NPL Status Desc: NFRAP-Site does not qualify for the NPL based on existing information

CERCLIS-NFRAP Assess History

OU ID:	0	***Act Start Date:***	
Act Code ID:	1	***Act Complete Date:***	8/1/1984
RAT Code:	VS	***AGT Order No.:***	1500
RAT Short Name:	ARCH SITE	***SH OU:***	
RAT Name:	ARCHIVE SITE	***SH Code:***	
RAT Hist. Only Flag:		***SH Seq:***	
RAT NSI Indicator:	B	***SH Start Date:***	
RAT Level:	1	***SH Complete Date:***	
RAT DEF OU:	00	***SH Lead:***	
RFBS Code:		***SH Qual:***	
SPA Code:	13	***RAQ Act. Qual Short:***	
RALT Short Name:	EPA In-House	***RNPL Status Code:***	N

RAT Def: The decision is made that no further activity is planned at the site.
RNON NPL Status Desc: NFRAP-Site does not qualify for the NPL based on existing information

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Site: ***EPIC NES-27***
I-240 MEMPHIS TN 38138

SEMS ARCHIVE

Site ID:	0403988	***FIPS Code:***	47157
EPA ID:	TND980728422	***Cong District:***	07
Superfund Alte Agr:	No	***Region:***	04
Federal Facility:	No	***County:***	SHELBY
FF Docket:	No		

NPL: Not on the NPL
Non NPL Status: NFRAP-Site does not qualify for the NPL based on existing information

Action Information

Operable Units:	00	***Qual:***	N
Action Code:	PA	***SEQ:***	1
Action Name:	PA	***FF:***	No
Start Actual:		***FF Docket:***	No
Finish Actual:	8/1/1984 5:00:00 AM	***Region:***	04
Curr Action Lead:	St Perf		
NPL:	N		

Operable Units:	00	***Qual:***	
Action Code:	DS	***SEQ:***	1
Action Name:	DISCVRY	***FF:***	No
Start Actual:	12/1/1979 5:00:00 AM	***FF Docket:***	No
Finish Actual:	12/1/1979 5:00:00 AM	***Region:***	04
Curr Action Lead:	EPA Perf		
NPL:	N		

Operable Units:	00	***Qual:***	
Action Code:	VS	***SEQ:***	1
Action Name:	ARCH SITE	***FF:***	No
Start Actual:		***FF Docket:***	No
Finish Actual:	8/1/1984 5:00:00 AM	***Region:***	04
Curr Action Lead:	EPA Perf In-Hse		
NPL:	N		

Site: ***TEMA Incident #2147-2021***
I-240EB MM12.6 Memphis TN

SWM COMPLAINT

Complaint ID:	116672	***RCV Mon Year:***	NOV-2021
Facility ID:		***Calendar Days:***	3
Site ID:	166377	***DIV:***	SWM
Permit No:		***EFO:***	Memphis
Investigated:	NOV-04-2021	***County:***	Shelby
Completed:	OCT-03-2023	***Received:***	NOV-01-2021
Alt County:	Shelby	***Other Counties:***	

Site Owner: JB Hunt
Alt Site Nm: TEMA Incident #2147-2021
Status: Closed
Site Description: MVA involving CMV with diesel release.
Latitude:
Longitude:

Complaint

Complaint No: 116672
Assigned Date: NOV-01-2021
Date Received: NOV-01-2021
How Received: Other Agency
Concerning: Diesel Spill
Concerning (Other):

Investigation

Status: Closed
Responsible Party: JB Hunt
Resp Party Phone: 479-820-0000
Photos:
Date Investigated: NOV-04-2021
Date Completed: OCT-03-2023
Date Referred:
Referred to:
Last Updated: OCT-03-2023
Updated by: BG35265
Status Detail: Closed by NFA.

Parent Site

Parent Site Name: TEMA Incident #2147-2021
Site Location: I-240EB MM12.6
County: Shelby
EFO: Memphis
Latitude: 35.143497
Longitude: -89.873293

Documents

File Type: Letter
Description: IRL
Document URL: https://dataviewers.tdec.tn.gov/dataviewers/apex_util.count_click?p_url=BGSWM.GET_DOCUMENTS?p_file=28003039685365 4875&p_cat=DOCS&p_id=28003039685365 4875&p_user=APEX_PUBLIC_USER&p_workspace=19833722515258996

Documents

File Type: Letter
Description: NFA
Document URL: https://dataviewers.tdec.tn.gov/dataviewers/apex_util.count_click?p_url=BGSWM.GET_DOCUMENTS?p_file=16482471958752 1938&p_cat=DOCS&p_id=16482471958752 1938&p_user=APEX_PUBLIC_USER&p_workspace=19833722515258996

Site: ***TEMA Incident #2320***
I-240 MM20 Memphis TN

SWM COMPLAINT

Complaint ID: 45071
Facility ID:
Site ID: 116109
Permit No:
Investigated: SEP-27-2017
Completed: SEP-27-2017
Alt County: Shelby
Site Owner: XPO Logistics Drayage, LLC

RCV Mon Year: SEP-2017
Calendar Days: 0
DIV: SWM
EFO: Memphis
County: Shelby
Received: SEP-27-2017
Other Counties:

Alt Site Nm: TEMA Incident #2320
Status: Not Accepted
Site Description: 10 gallon antifreeze release. Not petroleum or reportable quantity; not SPILS site.
Latitude:
Longitude:

Complaint

Complaint No: 45071
Assigned Date: SEP-27-2017
Date Received: SEP-27-2017
How Received: Other Agency
Concerning: Diesel Spill
Concerning (Other):

Investigation

Status: Not Accepted
Responsible Party: XPO Logistics Drayage, LLC
Resp Party Phone: 603-880-3795
Photos:
Date Investigated: SEP-27-2017
Date Completed: SEP-27-2017
Date Referred:
Referred to:
Last Updated: SEP-27-2017
Updated by:
Status Detail: Antifreeze; not petroleum.

Parent Site

Parent Site Name: TEMA Incident #2320
Site Location: I-240 MM20
County: Shelby
EFO: Memphis
Latitude: 35.079411
Longitude: -89.928174

Site: ***TEMA Incident #2158-2023***
I-240NB MM29 Memphis TN

SWM COMPLAINT

Complaint ID: 129948
Facility ID:
Site ID: 179184
Permit No:
Investigated: DEC-27-2023
Completed: FEB-20-2024
Alt County: Shelby
RCV Mon Year: DEC-2023
Calendar Days: 0
DIV: SWM
EFO: Memphis
County: Shelby
Received: DEC-27-2023
Other Counties:
Site Owner: East Memphis Wrecker Services
Alt Site Nm: TEMA Incident #2158-2023
Status: Closed
Site Description: MVA; wrecker released 35 gallons diesel.
Latitude:
Longitude:

Complaint

Complaint No: 129948
Assigned Date: DEC-27-2023
Date Received: DEC-27-2023
How Received: Other Agency
Concerning: Diesel Spill
Concerning (Other):

Investigation

Status: Closed
Responsible Party: East Memphis Wrecker Services
Resp Party Phone: 901-388-0338
Photos:
Date Investigated: DEC-27-2023
Date Completed: FEB-20-2024
Date Referred:
Referred to:
Last Updated: FEB-20-2024
Updated by: BG35265
Status Detail: Closed by NFA.

Parent Site

Parent Site Name: TEMA Incident #2158-2023
Site Location: I-240NB MM29
County: Shelby
EFO: Memphis
Latitude: 35.122008
Longitude: -90.025578

Documents

File Type: Letter
Description: NFA
Document URL: https://dataviewers.tdec.tn.gov/dataviewers/apex_util.count_click?p_url=BGSWM.GET_DOCUMENTS?p_file=536999769839521521&p_cat=DOCS&p_id=536999769839521521&p_user=APEX_PUBLIC_USER&p_workspace=19833722515258996

Documents

File Type: Letter
Description: IRL
Document URL: https://dataviewers.tdec.tn.gov/dataviewers/apex_util.count_click?p_url=BGSWM.GET_DOCUMENTS?p_file=384424888632882052&p_cat=DOCS&p_id=384424888632882052&p_user=APEX_PUBLIC_USER&p_workspace=19833722515258996

Site: ***TEMA Incident #1820-2023***
I-240WB MM19.6 Memphis TN

SWM COMPLAINT

Complaint ID: 128758
Facility ID:
Site ID: 177781
Permit No:
Investigated: SEP-21-2023
Completed:
Alt County: Shelby
RCV Mon Year: SEP-2023
Calendar Days: 3
DIV: SWM
EFO: Memphis
County: Shelby
Received: SEP-18-2023
Other Counties:
Site Owner: Circle K
Alt Site Nm: TEMA Incident #1820-2023
Status: Accepted
Site Description: MVA involving CMV with diesel release.
Latitude:
Longitude:

Complaint

Complaint No: 128758
Assigned Date: SEP-18-2023
Date Received: SEP-18-2023
How Received: Other Agency
Concerning: Diesel Spill
Concerning (Other):

Investigation

Status: Accepted

Responsible Party: Circle K
Resp Party Phone: 936-290-2409
Photos:
Date Investigated: SEP-21-2023
Date Completed:
Date Referred:
Referred to:
Last Updated:
Updated by:
Status Detail: Sending IRL.

Parent Site

Parent Site Name: TEMA Incident #1820-2023
Site Location: I-240WB MM19.6
County: Shelby
EFO: Memphis
Latitude: 35.079011
Longitude: -89.923447

Documents

File Type: Letter
Description: IRL
Document URL: https://dataviewers.tdec.tn.gov/dataviewers/apex_util.count_click?p_url=BGSWM.GET_DOCUMENTS?p_file=144222769283939503&p_cat=DOCS&p_id=144222769283939503&p_user=APEX_PUBLIC_USER&p_workspace=19833722515258996

Site: ***TEMA Incident #1355-2024***
I-240EB MM14.6 Memphis TN

SWM COMPLAINT

Complaint ID: 133107
Facility ID:
Site ID: 182545
Permit No:
Investigated: AUG-08-2024
Completed: OCT-06-2025
Alt County: Shelby
RCV Mon Year: AUG-2024
Calendar Days: 2
DIV: SWM
EFO: Memphis
County: Shelby
Received: AUG-06-2024
Other Counties:
Site Owner: CRST International
Alt Site Nm: TEMA Incident #1355-2024
Status: Closed
Site Description: CMV punctured saddle tank releasing diesel.
Latitude:
Longitude:

Complaint

Complaint No: 133107
Assigned Date: AUG-06-2024
Date Received: AUG-06-2024
How Received: Other Agency
Concerning: Diesel Spill
Concerning (Other):

Investigation

Status: Closed
Responsible Party: CRST International
Resp Party Phone: 319-390-2622
Photos:
Date Investigated: AUG-08-2024
Date Completed: OCT-06-2025
Date Referred:
Referred to:
Last Updated: OCT-06-2025
Updated by: BG35265
Status Detail: Closed by NFA.

Parent Site

Parent Site Name:	TEMA Incident #1355-2024
Site Location:	I-240EB MM14.6
County:	Shelby
EFO:	Memphis
Latitude:	35.11573
Longitude:	-89.869283

Documents

File Type:	Letter
Description:	NFA
Document URL:	https://dataviewers.tdec.tn.gov/dataviewers/apex_util.count_click?p_url=BGSWM.GET_DOCUMENTS?p_file=896520066219243965&p_cat=DOCS&p_id=896520066219243965&p_user=APEX_PUBLIC_USER&p_workspace=19833722515258996

Documents

File Type:	Letter
Description:	IRL
Document URL:	https://dataviewers.tdec.tn.gov/dataviewers/apex_util.count_click?p_url=BGSWM.GET_DOCUMENTS?p_file=4182322222897493706&p_cat=DOCS&p_id=4182322222897493706&p_user=APEX_PUBLIC_USER&p_workspace=19833722515258996

Site: ***TEMA Incident #1065-2024***
I-240EB MM5.6 Memphis TN

SWM COMPLAINT

Complaint ID:	132501	***RCV Mon Year:***	JUN-2024
Facility ID:		***Calendar Days:***	6
Site ID:	181960	***DIV:***	SWM
Permit No:		***EFO:***	Memphis
Investigated:	JUN-27-2024	***County:***	Shelby
Completed:	NOV-12-2024	***Received:***	JUN-21-2024
Alt County:	Shelby	***Other Counties:***	

Site Owner:	Fremont Trans Inc.
Alt Site Nm:	TEMA Incident #1065-2024
Status:	Closed
Site Description:	Overturned CMV released 125 gallons diesel.
Latitude:	
Longitude:	

Complaint

Complaint No:	132501
Assigned Date:	JUN-21-2024
Date Received:	JUN-21-2024
How Received:	Other Agency
Concerning:	Diesel Spill
Concerning (Other):	

Investigation

Status:	Closed
Responsible Party:	Fremont Trans Inc.
Resp Party Phone:	708-393-1945
Photos:	
Date Investigated:	JUN-27-2024
Date Completed:	NOV-12-2024
Date Referred:	
Referred to:	
Last Updated:	NOV-12-2024
Updated by:	BG35265
Status Detail:	Closed administratively - RP not verified.

Parent Site

Parent Site Name:	TEMA Incident #1065-2024
Site Location:	I-240EB MM5.6
County:	Shelby
EFO:	Memphis
Latitude:	35.191771
Longitude:	-90.006127

Documents

File Type:	Letter
Description:	IRL
Document URL:	https://dataviewers.tdec.tn.gov/dataviewers/apex_util.count_click?p_url=BGSWM.GET_DOCUMENTS?p_file=278258047488407655&p_cat=DOCS&p_id=278258047488407655&p_user=APEX_PUBLIC_USER&p_workspace=19833722515258996

Site: ***TEMA Incident #990-2022***
I-240 MM24.4 Memphis TN

SWM COMPLAINT

Complaint ID:	122425	***RCV Mon Year:***	MAY-2022
Facility ID:		***Calendar Days:***	0
Site ID:	170310	***DIV:***	SWM
Permit No:		***EFO:***	Memphis
Investigated:	MAY-20-2022	***County:***	Shelby
Completed:	MAY-09-2025	***Received:***	MAY-20-2022
Alt County:	Shelby	***Other Counties:***	

Site Owner:	FedEx Ground
Alt Site Nm:	TEMA Incident #990-2022
Status:	Closed
Site Description:	Diesel release from CMV; unspecified cause.
Latitude:	
Longitude:	

Complaint

Complaint No:	122425
Assigned Date:	MAY-20-2022
Date Received:	MAY-20-2022
How Received:	Other Agency
Concerning:	Diesel Spill
Concerning (Other):	

Investigation

Status:	Closed
Responsible Party:	FedEx Ground
Resp Party Phone:	
Photos:	
Date Investigated:	MAY-20-2022
Date Completed:	MAY-09-2025
Date Referred:	
Referred to:	
Last Updated:	MAY-09-2025
Updated by:	BG35265
Status Detail:	Closed by NFA.

Parent Site

Parent Site Name:	TEMA Incident #990-2022
Site Location:	I-240 MM24.4
County:	Shelby
EFO:	Memphis
Latitude:	35.074474
Longitude:	-90.001896

Documents

File Type:	Letter
Description:	IRL
Document URL:	https://dataviewers.tdec.tn.gov/dataviewers/apex_util.count_click?p_url=BGSWM.GET_DOCUMENTS?p_file=297188128831859515&p_cat=DOCS&p_id=297188128831859515&p_user=APEX_PUBLIC_USER&p_workspace=19833722515258996

Documents

File Type:	Letter
Description:	NFA
Document URL:	https://dataviewers.tdec.tn.gov/dataviewers/apex_util.count_click?p_url=BGSWM.GET_DOCUMENTS?p_file=258229650893884858&p_cat=DOCS&p_id=258229650893884858&p_user=APEX_PUBLIC_USER&p_workspace=19833722515258996

Site: ***TEMA Incident #2094-2021***
I-240WB MM16.6 Memphis TN

SWM COMPLAINT

Complaint ID:	115735	***RCV Mon Year:***	OCT-2021
Facility ID:		***Calendar Days:***	0
Site ID:	165868	***DIV:***	SWM
Permit No:		***EFO:***	Memphis
Investigated:	OCT-18-2021	***County:***	Shelby
Completed:	NOV-08-2022	***Received:***	OCT-18-2021
Alt County:	Shelby	***Other Counties:***	
Site Owner:	Ozark Motor Lines, Inc.		
Alt Site Nm:	TEMA Incident #2094-2021		
Status:	Closed		
Site Description:	MVA involving CMV with diesel release.		
Latitude:			
Longitude:			

Complaint

Complaint No:	115735
Assigned Date:	OCT-18-2021
Date Received:	OCT-18-2021
How Received:	Other Agency
Concerning:	Diesel Spill
Concerning (Other):	

Investigation

Status:	Closed
Responsible Party:	Ozark Motor Lines
Resp Party Phone:	901-251-9711
Photos:	
Date Investigated:	OCT-18-2021
Date Completed:	NOV-08-2022
Date Referred:	
Referred to:	
Last Updated:	NOV-08-2022
Updated by:	BG35265
Status Detail:	Closed by NFA.

Parent Site

Parent Site Name:	TEMA Incident #2094-2021
Site Location:	I-240WB MM16.6
County:	Shelby
EFO:	Memphis
Latitude:	35.087632
Longitude:	-89.872568

Documents

File Type: Letter
Description: NFA
Document URL: https://dataviewers.tdec.tn.gov/dataviewers/apex_util.count_click?p_url=BGSWM.GET_DOCUMENTS?p_file=28876766567368371 8&p_cat=DOCS&p_id=28876766567368371 8&p_user=APEX_PUBLIC_USER&p_workspace=19833722515258996

Documents

File Type: Letter
Description: IRL
Document URL: https://dataviewers.tdec.tn.gov/dataviewers/apex_util.count_click?p_url=BGSWM.GET_DOCUMENTS?p_file=26712664118587068 2&p_cat=DOCS&p_id=26712664118587068 2&p_user=APEX_PUBLIC_USER&p_workspace=19833722515258996

Appendix: Database Descriptions

Environmental Risk Information Services (ERIS) can search the following databases. The extent of historical information varies with each database and current information is determined by what is publicly available to ERIS at the time of update. ERIS updates databases as set out in ASTM Standard E1527-13 and E1527-21, Section 8.1.8 Sources of Standard Source Information:

"Government information from nongovernmental sources may be considered current if the source updates the information at least every 90 days, or, for information that is updated less frequently than quarterly by the government agency, within 90 days of the date the government agency makes the information available to the public."

Standard Environmental Record Sources

Federal

National Priority List: NPL

The U.S. Environmental Protection Agency (EPA)'s National Priorities List (NPL) includes the most serious uncontrolled or abandoned hazardous waste sites identified for possible long-term remedial action under the Superfund program, based primarily on the score a site receives from EPA's Hazard Ranking System. A site must be on the NPL to receive money from the Superfund Trust Fund for remedial action. This data includes NPL sites represented as polygons, where available, that can be sourced from the EPA NPL Superfund Site Boundaries dataset, refreshed by the Shared Enterprise Geodata and Services (SEGS), and is limited to those sites where the NPL Status reflects the site is 'Currently on the Final NPL (F)' and/or the 'Site is Part of NPL Site (A)'. These site boundaries represent the footprint of a whole site, the sum of all the Operable Units (OUs) and the current understanding of the full extent of contamination; for Federal Facility sites, the total site polygon may be the Facility boundary. As site investigation and remediation progress, OUs may be added, modified or refined. Data provided by external parties is not independently verified by EPA. This boundary data is made available to the public strictly for informational purposes. Where there is no polygon boundary data available for a given site, the site is represented as a point.

Government Publication Date: Jan 18, 2026

National Priority List - Proposed: PROPOSED NPL

Sites proposed by the U.S. Environmental Protection Agency (EPA), the state agency, or concerned citizens for addition to the National Priorities List (NPL) due to contamination by hazardous waste and identified by the EPA as a candidate for cleanup because it poses a risk to human health and/or the environment. Sites represented as polygons, where available, can be sourced from the EPA NPL Superfund Site Boundaries dataset, refreshed by the Shared Enterprise Geodata and Services (SEGS). These site boundaries represent the footprint of a whole site, the sum of all the Operable Units (OUs) and the current understanding of the full extent of contamination; for Federal Facility sites, the total site polygon may be the Facility boundary. Data provided by external parties is not independently verified by EPA. This boundary data is made available to the public strictly for informational purposes. Where there is no polygon boundary data available for a given site, the site is represented as a point.

Government Publication Date: Jan 18, 2026

Deleted NPL: DELETED NPL

Sites deleted from the U.S. Environmental Protection Agency (EPA)'s National Priorities List (NPL). The National Oil and Hazardous Substances Pollution Contingency Plan (NCP) establishes the criteria that the EPA uses to delete sites from the NPL. In accordance with 40 CFR 300.425.(e), sites may be deleted from the NPL where no further response is appropriate. Sites represented as polygons, where available, can be sourced from the EPA NPL Superfund Site Boundaries dataset, refreshed by the Shared Enterprise Geodata and Services (SEGS). These site boundaries represent the footprint of a whole site, the sum of all the Operable Units (OUs) and the current understanding of the full extent of contamination; for Federal Facility sites, the total site polygon may be the Facility boundary. Data provided by external parties is not independently verified by EPA. This boundary data is made available to the public strictly for informational purposes. Where there is no polygon boundary data available for a given site, the site is represented as a point.

Government Publication Date: Jan 18, 2026

SEMS List 8R Active Site Inventory: SEMS

The U.S. Environmental Protection Agency's (EPA) Superfund Program has deployed the Superfund Enterprise Management System (SEMS), which integrates multiple legacy systems into a comprehensive tracking and reporting tool. This inventory contains active sites evaluated by the Superfund program that are either proposed to be or are on the National Priorities List (NPL) as well as sites that are in the screening and assessment phase for possible inclusion on the NPL. The Active Site Inventory Report displays site and location information at active SEMS sites. An active site is one at which site assessment, removal, remedial, enforcement, cost recovery, or oversight activities are being planned or conducted. This data includes SEMS sites from the List 8R Active file as well as applicable sites from the EPA's Facility Registry Service map tool. This data may also include applicable sites represented as polygons sourced from the EPA NPL Superfund Site Boundaries dataset, refreshed by the Shared Enterprise Geodata and Services (SEGS), and is limited to those sites where the NPL Status reflects the site is 'Not on the NPL (N)' , 'Removed from Proposed (R)', and/or 'Pre-Proposal Site (S)'. Data provided by external parties is not independently verified by EPA. This boundary data is made available to the public strictly for informational purposes. Where there is no polygon boundary data available for a given site, the site is represented as a point.

Government Publication Date: Aug 27, 2025

Inventory of Open Dumps, June 1985: ODI

The Resource Conservation and Recovery Act (RCRA) provides for publication of an inventory of open dumps. The Act defines "open dumps" as facilities which do not comply with EPA's "Criteria for Classification of Solid Waste Disposal Facilities and Practices" (40 CFR 257).

Government Publication Date: Jun 1985

SEMS List 8R Archive Sites: SEMS ARCHIVE

The U.S. Environmental Protection Agency's (EPA) Superfund Enterprise Management System (SEMS) Archived Site Inventory displays site and location information at sites archived from SEMS. An archived site is one at which EPA has determined that assessment has been completed and no further remedial action is planned under the Superfund program at this time. This data includes sites from the List 8R Archived site file. This data may also include applicable sites represented as polygons sourced from the EPA NPL Superfund Site Boundaries dataset, refreshed by the Shared Enterprise Geodata and Services (SEGS), and is limited to those sites where the NPL Status reflects the site is 'Not on the NPL (N)' , 'Removed from Proposed (R)', and/or 'Pre-Proposal Site (S)'. Data provided by external parties is not independently verified by EPA. This boundary data is made available to the public strictly for informational purposes. Where there is no polygon boundary data available for a given site, the site is represented as a point.

Government Publication Date: Aug 27, 2025

Comprehensive Environmental Response, Compensation and Liability Information System - CERCLIS: CERCLIS

Superfund is a program administered by the United States Environmental Protection Agency (EPA) to locate, investigate, and clean up the worst hazardous waste sites throughout the United States. CERCLIS is a database of potential and confirmed hazardous waste sites at which the EPA Superfund program has some involvement. It contains sites that are either proposed to be or are on the National Priorities List (NPL) as well as sites that are in the screening and assessment phase for possible inclusion on the NPL. The EPA administers the Superfund program in cooperation with individual states and tribal governments; this database is made available by the EPA.

Government Publication Date: Oct 25, 2013

EPA Report on the Status of Open Dumps on Indian Lands: IODI

Public Law 103-399, The Indian Lands Open Dump Cleanup Act of 1994, enacted October 22, 1994, identified congressional concerns that solid waste open dump sites located on American Indian or Alaska Native (AI/AN) lands threaten the health and safety of residents of those lands and contiguous areas. The purpose of the Act is to identify the location of open dumps on Indian lands, assess the relative health and environment hazards posed by those sites, and provide financial and technical assistance to Indian tribal governments to close such dumps in compliance with Federal standards and regulations or standards promulgated by Indian Tribal governments or Alaska Native entities.

Government Publication Date: Dec 31, 1998

CERCLIS - No Further Remedial Action Planned: CERCLIS NFRAP

An archived site is one at which EPA has determined that assessment has been completed and no further remedial action is planned under the Superfund program at this time. The Archive designation means that, to the best of EPA's knowledge, assessment at a site has been completed and that EPA has determined no further steps will be taken to list this site on the National Priorities List (NPL). This decision does not necessarily mean that there is no hazard associated with a given site; it only means that, based upon available information, the location is not judged to be a potential NPL site.

Government Publication Date: Oct 25, 2013

CERCLIS Liens: CERCLIS LIENS

A Federal Superfund lien exists at any property where EPA has incurred Superfund costs to address contamination ("Superfund site") and has provided notice of liability to the property owner. A Federal CERCLA ("Superfund") lien can exist by operation of law at any site or property at which EPA has spent Superfund monies. This database is made available by the United States Environmental Protection Agency (EPA). This database was provided by the United States Environmental Protection Agency (EPA). Refer to SEMS LIEN as the current data source for Superfund Liens.

Government Publication Date: Jan 30, 2014

RCRA CORRACTS-Corrective Action: RCRA CORRACTS

RCRA Info is the U.S. Environmental Protection Agency's (EPA) comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. At these sites, the Corrective Action Program ensures that cleanups occur. EPA and state regulators work with facilities and communities to design remedies based on the contamination, geology, and anticipated use unique to each site.

Government Publication Date: Nov 30, 2025

RCRA non-CORRACTS TSD Facilities: RCRA TSD

RCRA Info is the U.S. Environmental Protection Agency's (EPA) comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. This database includes Non-Corrective Action sites that have indicated engagement in the treatment, storage, or disposal of hazardous waste which requires a RCRA hazardous waste permit.

Government Publication Date: Nov 30, 2025

RCRA Generator List: RCRA LQG

RCRA Info is the U.S. Environmental Protection Agency's (EPA) comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. RCRA Info replaces the data recording and reporting abilities of the Resource Conservation and Recovery Information System (RCRIS) and the Biennial Reporting System (BRS). A hazardous waste generator is any person or site whose processes and actions create hazardous waste (see 40 CFR 260.10). Large Quantity Generators (LQGs) generate 1,000 kilograms per month or more of hazardous waste or more than one kilogram per month of acutely hazardous waste. This list also includes RCRAInfo sites that have notified as LQGs that do not have a registered Site Manager or Certifier in RCRAInfo.

Government Publication Date: Nov 30, 2025

RCRA Small Quantity Generators List: RCRA SQG

RCRA Info is the U.S. Environmental Protection Agency's (EPA) comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. RCRA Info replaces the data recording and reporting abilities of the Resource Conservation and Recovery Information System (RCRIS) and the Biennial Reporting System (BRS). A hazardous waste generator is any person or site whose processes and actions create hazardous waste (see 40 CFR 260.10). Small Quantity Generators (SQGs) generate more than 100 kilograms, but less than 1,000 kilograms, of hazardous waste per month. This list also includes RCRAInfo sites that have notified as SQGs that do not have a registered Site Manager or Certifier in RCRAInfo.

Government Publication Date: Nov 30, 2025

RCRA Very Small Quantity Generators List: RCRA VSQG

RCRA Info is the U.S. Environmental Protection Agency's (EPA) comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. A hazardous waste generator is any person or site whose processes and actions create hazardous waste (see 40 CFR 260.10). Very Small Quantity Generators (VSQG) generate 100 kilograms or less per month of hazardous waste, or one kilogram or less per month of acutely hazardous waste. Additionally, VSQG may not accumulate more than 1,000 kilograms of hazardous waste at any time.

Government Publication Date: Nov 30, 2025

RCRA Non-Generators: RCRA NON GEN

RCRA Info is the U.S. Environmental Protection Agency's (EPA) comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. RCRA Info replaces the data recording and reporting abilities of the Resource Conservation and Recovery Information System (RCRIS) and the Biennial Reporting System (BRS). A hazardous waste generator is any person or site whose processes and actions create hazardous waste (see 40 CFR 260.10). Non-Generators do not presently generate hazardous waste.

Government Publication Date: Nov 30, 2025

RCRA Sites with Controls: RCRA CONTROLS

List of Resource Conservation and Recovery Act (RCRA) facilities with institutional controls in place. RCRA gives the U.S. Environmental Protection Agency (EPA) the authority to control hazardous waste from the "cradle-to-grave." This includes the generation, transportation, treatment, storage, and disposal of hazardous waste. RCRA also set forth a framework for the management of non-hazardous solid wastes. The 1986 amendments to RCRA enabled EPA to address environmental problems that could result from underground tanks storing petroleum and other hazardous substances.

Government Publication Date: Nov 30, 2025

Federal Engineering Controls-ECs: FED ENG

List of Engineering controls (ECs) made available by the United States Environmental Protection Agency (EPA). ECs encompass a variety of engineered and constructed physical barriers (e.g., soil capping, sub-surface venting systems, mitigation barriers, fences) to contain and/or prevent exposure to contamination on a property. The EC listing includes remedy component data from Superfund decision documents for applicable sites on the final or deleted on the National Priorities List (NPL); and sites with a Superfund Alternative Approach (SAA) Agreement in place. The only sites included that are not on the NPL; proposed for NPL; or removed from proposed NPL, are those with an SAA Agreement in place.

Government Publication Date: Jan 30, 2026

Federal Institutional Controls- ICs: FED INST

List of Institutional controls (ICs) made available by the United States Environmental Protection Agency (EPA). ICs are non-engineered instruments, such as administrative and legal controls, that help minimize the potential for human exposure to contamination and/or protect the integrity of the remedy. Although it is EPA's expectation that treatment or engineering controls will be used to address principal threat wastes and that groundwater will be returned to its beneficial use whenever practicable, ICs play an important role in site remedies because they reduce exposure to contamination by limiting land or resource use and guide human behavior at a site. The IC listing includes remedy component data from Superfund decision documents for applicable sites on the final or deleted on the National Priorities List (NPL); and sites with a Superfund Alternative Approach (SAA) Agreement in place. The only sites included that are not on the NPL; proposed for NPL; or removed from proposed NPL, are those with an SAA Agreement in place.

Government Publication Date: Jan 30, 2026

Land Use Controls Information System: LUCIS

The Land Use Controls Information System (LUCIS) database is sourced from the U.S. Department of the Navy (DON). This data contains information for former Base Realignment and Closure (BRAC) properties across the United States. DON's BRAC office was tasked with tracking certain base closures while requiring the prevention of risks to human health and the environment of those properties with LUCs in place. Regarding currently available LUC Sites data, the sites listing is limited to centroid point locations for the overall installation property boundaries. Formerly obtained LUC Sites data may reflect site details that applied previously for a BRAC property.

Government Publication Date: Jun 13, 2024

Institutional Control Boundaries at NPL sites: NPL IC

These boundaries of Institutional Control areas at sites on the U.S. Environmental Protection Agency's (EPA) National Priorities List (NPL), or as Proposed or Deleted, are sourced from the EPA NPL Superfund Site Boundaries dataset, refreshed by the Shared Enterprise Geodata and Services (SEGS). The EPA's NPL includes the most serious uncontrolled or abandoned hazardous waste sites identified for possible long-term remedial action under the Superfund program. Institutional controls are non-engineered instruments such as administrative and legal controls that help minimize the potential for human exposure to contamination and/or protect the integrity of the remedy. Data provided by external parties is not independently verified by EPA. This boundary data is made available to the public strictly for informational purposes.

Government Publication Date: Jan 18, 2026

Emergency Response Notification System: ERNS 1982 TO 1986

Database of oil and hazardous substances spill reports controlled by the National Response Center. The primary function of the National Response Center is to serve as the sole national point of contact for reporting oil, chemical, radiological, biological, and etiological discharges into the environment anywhere in the United States and its territories.

Government Publication Date: 1982-1986

Emergency Response Notification System: ERNS 1987 TO 1989

Database of oil and hazardous substances spill reports controlled by the National Response Center. The primary function of the National Response Center is to serve as the sole national point of contact for reporting oil, chemical, radiological, biological, and etiological discharges into the environment anywhere in the United States and its territories.

Government Publication Date: 1987-1989

Emergency Response Notification System: ERNS

Database of oil and hazardous substances spill reports made available by the United States Coast Guard National Response Center (NRC). The NRC fields initial reports for pollution and railroad incidents and forwards that information to appropriate federal/state agencies for response. These data contain initial incident data that has not been validated or investigated by a federal/state response agency.

Government Publication Date: Nov 30, 2025

The Assessment, Cleanup and Redevelopment Exchange System (ACRES) Brownfield Database: FED BROWNFIELDS

Brownfields are real property, the expansion, redevelopment, or reuse of which may be complicated by the presence or potential presence of a hazardous substance, pollutant, or contaminant. Cleaning up and reinvesting in these properties protects the environment, reduces blight, and takes development pressures off greenspaces and working lands. This data is provided by the United States Environmental Protection Agency (EPA) and includes Brownfield sites from the Cleanups in My Community (CIMC) web application.

Government Publication Date: Sep 8, 2025

FEMA Underground Storage Tank Listing: FEMA UST

The Federal Emergency Management Agency (FEMA) of the Department of Homeland Security maintains a list of FEMA owned underground storage tanks.

Government Publication Date: Dec 31, 2017

Facility Response Plan: FRP

This listing contains facilities that have submitted Facility Response Plans (FRPs) to the U.S. Environmental Protection Agency (EPA). Facilities that could reasonably be expected to cause "substantial harm" to the environment by discharging oil into or on navigable waters are required to prepare and submit FRPs. Harm is determined based on total oil storage capacity, secondary containment and age of tanks, oil transfer activities, history of discharges, proximity to a public drinking water intake or sensitive environments. The list includes FRP facilities sourced from the EPA FOIA office and from previously available Homeland Infrastructure Foundation-Level Data (HIFLD) file/s. Disclaimer: Per the EPA FOIA Office, the verification process for current requested FRP data is undergoing review and revision, and any similar reporting will be made public in Fiscal Year 2026. For this reason, the latest available FOIA file may be incomplete.

Government Publication Date: Jun 1, 2025

Delisted Facility Response Plans: DELISTED FRP

Facilities that once appeared in - and have since been removed from - the list of facilities that have submitted Facility Response Plans (FRP) to EPA. Facilities that could reasonably be expected to cause "substantial harm" to the environment by discharging oil into or on navigable waters are required to prepare and submit Facility Response Plans (FRPs). Harm is determined based on total oil storage capacity, secondary containment and age of tanks, oil transfer activities, history of discharges, proximity to a public drinking water intake or sensitive environments.

Government Publication Date: Jun 1, 2025

Historical Gas Stations: HIST GAS STATIONS

This historic directory of service stations is provided by the Cities Service Company. The directory includes Cities Service filling stations that were located throughout the United States in 1930.

Government Publication Date: Jul 1, 1930

Petroleum Refineries: REFN

This list of petroleum refineries is sourced from the U.S. Energy Information Administration (EIA), Refinery Capacity Report. The listing includes operating and idle petroleum refineries (including new refineries under construction) and refineries shut down during the previous year. The geographic area the report covers is the 50 States, the District of Columbia, Puerto Rico, the U.S. Virgin Islands, Guam, and other U.S. possessions. Per the EIA, the facility location data represents the approximate location based on research of publicly available information from sources such as Federal agencies, company websites, and satellite images on public websites.

Government Publication Date: Oct 31, 2024

Petroleum Product and Crude Oil Rail Terminals: BULK TERMINAL

A list of petroleum product and crude oil rail terminals from the U.S. Energy Information Administration (EIA), as well as petroleum terminals sourced from Oak Ridge National Laboratory hosted by the Homeland Infrastructure Foundation-Level Database. Data includes operable bulk petroleum product terminals with a total bulk shell storage capacity of 50,000 barrels or more, and/or the ability to receive volumes from tanker, barge, or pipeline; also rail terminals handling the loading and unloading of crude oil with activity between 2017 and 2018. EIA petroleum product terminal data comes from the EIA-815 Bulk Terminal and Blender Report, which includes working, shell in operation, and shell idle for several major product groupings.

Government Publication Date: Jun 5, 2025

LIEN on Property: SEMS LIEN

The U.S. Environmental Protection Agency's (EPA) Superfund Enterprise Management System (SEMS) provides Lien details on applicable properties, such as the Superfund lien on property activity, the lien property information, and the parties associated with the lien.

Government Publication Date: Aug 27, 2025

Superfund Decision Documents: SUPERFUND ROD

This database contains a list of decision documents for Superfund sites. Decision documents serve to provide the reasoning for the choice of (or) changes to a Superfund Site cleanup plan. The decision documents include completed Records of Decision (ROD), ROD Amendments, Explanations of Significant Differences (ESD) for active and archived sites stored in the Superfund Enterprise Management System (SEMS), along with other associated memos and files. This information is maintained and made available by the U.S. Environmental Protection Agency.

Government Publication Date: Jan 30, 2026

State

Notice of Land Use Restrictions: LUR

This list of Notice of Land Use Restrictions (LUR) Documents is provided by the Tennessee Department of Environment and Conservation's (TDEC) Division of Remediation (DOR). Since January of 2024, the TDEC indicates the LUR listing as the proper source for sites with controls information and their previous DOR Sites with Institutional and Engineering Controls (IC/ECs) Report as no longer being maintained. Some LUR documents may not be provided in this list; therefore, a TDEC Public Records Request may necessary be for specific sites.

Government Publication Date: Jan 21, 2026

Promulgated Sites: SHWS

The Promulgated List made available by Tennessee's Department of Environment and Conservation (TDEC) is a List of Inactive Hazardous Substance Sites. 'Inactive hazardous substance sites that constitute an imminent, substantial danger' is an inactive hazardous substance site where there is a threat of danger to the public health, safety, or environment which is both real and presently existing. This database serves a purpose similar to that of the federal NPL, functioning as a state-level counterpart for prioritizing cleanup efforts at hazardous substance release sites.

Government Publication Date: Jan 21, 2026

Delisted State Hazardous Waste Sites: DEL SHWS

This database contains a list of sites which have removed from The Promulgated Sites Listing maintained by Tennessee's Department of Environment and Conservation (TDEC).

Government Publication Date: Jan 21, 2026

Solid Waste Disposal Facilities and Landfills: SWF/LF

A list of Solid Waste Management (SWM) Permits and Inspections in the Solid Waste Dataviewer, made available by the Tennessee Department of Environment Conservation (TDEC) Division of Solid Waste Management (DSWM).

Government Publication Date: Feb 11, 2026

Environmental Activities on USTs: LUST

The Tennessee Department of Environment and Conservation (TDEC) has made available a list of facilities where any type of environment-related activity has occurred due to a tank closure, or a suspected or confirmed release. The information in this list includes the facility's name and address when the environmental activities began, and the as well as the current status of the activities taking place.

Government Publication Date: Jan 5, 2026

Tennessee Petroleum Underground Storage Tank Fund: LUST TRUST

A list of facilities which have applied for reimbursement from the Tennessee Petroleum Underground Storage Tank Fund, made available by Tennessee Department of Environment and Conservation (TDEC).

Government Publication Date: Jan 5, 2026

Delisted Leaking Storage Tanks: DELISTED LST

This database contains a list of leaking storage tank sites and their Funds for reimbursement of costs related to assessment and cleanup that were removed from the Department of Environment and Conservation (TDEC) database.

Government Publication Date: Jan 30, 2026

Hazardous Waste Remedial Action Fund: HWRA

List of sites under the Hazardous Waste Remedial Action Fund (HWARF) program, maintained by Tennessee Department of Environment and Conservation (TDEC). The Division of Remediation uses the Fund to investigate and cleanup environmental problems caused by the release of hazardous substances into the environment.

Government Publication Date: Jan 21, 2026

Delisted Hazardous Waste Remedial Action Fund: DHWR

List of sites which once appeared on - and have since been removed from - the list of sites participating in the Hazardous Waste Remedial Action Fund, made available by Tennessee's Department of Environment and Conservation (TDEC).

Government Publication Date: Jan 21, 2026

Underground Storage Tanks: UST

A list of tank compartments that have been reported to the Division of Underground Storage Tanks in the Tennessee Department of Environment and Conservation (TDEC). Some of the compartments listed, are not regulated by state or federal regulations, because of the substance stored, the size of the compartment, its use, etc. This list is maintained by Tennessee Division of Underground Storage Tanks in TDEC.

Government Publication Date: Jan 30, 2026

Delisted Storage Tanks: DEL STORAGE TNK

List of tank compartments is maintained by the Division of Underground Storage Tanks in the Department of Environment and Conservation (DEC). The department would remove a record if the compartment is not regulated. This list contains the non-regulated tank compartments that been removed from the department's tank database.

Government Publication Date: Jan 30, 2026

Sites Remediated with Institutional Controls: INST

This list of remediated sites with institutional controls in place was previously maintained by the Tennessee Department of Environment and Conservation's (TDEC) Division of Remediation (DOR). Please refer to the LUR Report Source for current DOR information.

Government Publication Date: Oct 4, 2023

Sites Remediated with Engineering Controls: ENG

This list of remediated sites with engineering controls in place was previously maintained by the Tennessee Department of Environment and Conservation's (TDEC) Division of Remediation (DOR). Please refer to the LUR Report Source for current DOR information.

Government Publication Date: Oct 4, 2023

Voluntary Cleanup, Oversight and Assistance Program: VCP

The Voluntary Cleanup Oversight and Assistance Program (VOAP) overlooked by Tennessee's Department of Environment and Conservation (TDEC) offers people the opportunity to work proactively with state government to address necessary cleanup of a property to return it to productive use. In return for their efforts, participants can receive a No Further Action letter and a release of liability for areas where investigation and cleanup is conducted. This list is maintained by the Division of Remediation in Department of Environment and Conservation.

Government Publication Date: Jan 21, 2026

State Remediation Program List: SRP

The State Remediation Program (SRP) was established in 1994 within the Division of Solid Waste Management of the Tennessee Department of Environmental Conservation (DEC) for the purpose of providing owners, prospective purchasers and other interested parties the means to voluntarily investigate, clean up or monitor contaminated sites not regulated under RCRA, CERCLA or the Tennessee Division of Underground Tanks (UST). This list is maintained by the Tennessee DEC Division of Solid Waste Management - Site Remediation Program.

Government Publication Date: Jan 21, 2026

Division of Remediation Sites: REMEDIATION

This list includes applicable sites that are or have been in the Tennessee Department of Environment and Conservation's (TDEC) Division of Remediation (DOR) Programs. The DOR identifies and investigates hazardous substance sites, then uses practical and effective remedies to stabilize, remediate, contain, monitor, and maintain these sites. DOR Programs include but are not limited to the Voluntary Cleanup Oversight and Assistance Program (VOAP), Drycleaner Environmental Response Program (DCERP), and State Remediation Program (SRP).

Government Publication Date: Jan 21, 2026

Tribal

Leaking Underground Storage Tanks (LUSTs) on Indian Lands: INDIAN LUST

This list of leaking underground storage tanks (LUSTs) on Tribal/Indian Lands in Region 4, which includes Tennessee, is made available by the United States Environmental Protection Agency (EPA).

Government Publication Date: Apr 12, 2019

Underground Storage Tanks (USTs) on Indian Lands: INDIAN UST

This list of underground storage tanks (USTs) on Tribal/Indian Lands in Region 4, which includes Tennessee, is made available by the United States Environmental Protection Agency (EPA).

Government Publication Date: Oct 14, 2017

Delisted Tribal Leaking Storage Tanks: DELISTED INDIAN LST

Leaking Underground Storage Tank (LUST) facilities which once appeared on - and have since been removed from - the Regional Tribal/Indian LUST lists made available by the United States Environmental Protection Agency (EPA).

Government Publication Date: Nov 21, 2025

Delisted Tribal Underground Storage Tanks: DELISTED INDIAN UST

Underground Storage Tank (UST) facilities which once appeared on - and have since been removed from - the Regional Tribal/Indian UST lists made available by the United States Environmental Protection Agency (EPA).

Government Publication Date: Nov 21, 2025

County

No County standard environmental record sources available for this State.

Additional Environmental Record Sources

Federal

Drug Establishment Annual Registration: FDA REGISTRANT

A list of drug firms which manufacture, prepare, propagate, compound, or process drugs that are commercially distributed in the U.S. or offered for import to the U.S. Listing made available by the U.S. Food and Drug Administration (FDA). Includes historical records dating back to 2000. Includes only facilities which are located in the U.S.A.

Government Publication Date: Sep 18, 2025

PFAS Greenhouse Gas Emissions Data: PFAS GHG

The U.S. Environmental Protection Agency's (EPA) Greenhouse Gas Reporting Program (GHGRP) collects Greenhouse Gas (GHG) data from large emitting facilities (25,000 metric tons of carbon dioxide equivalent (CO2e) per year), and suppliers of fossil fuels and industrial gases that results in GHG emissions when used. This dataset is sourced from the EPA's PFAS Analytic Tools, and it includes GHG emissions data for facilities that emit or have emitted since 2010 chemicals identified as PFAS based on EPA's CompTox Chemicals Dashboard lists of PFAS with defined and undefined structures. PFAS emissions data has been identified for facilities engaged in the following industrial processes: Aluminum Production (GHGRP Subpart F), HCFC-22 Production and HFC-23 Destruction (Subpart O), Electronics Manufacturing (Subpart I), Fluorinated Gas Production (Subpart L), Magnesium Production (Subpart T), Electrical Transmission and Distribution Equipment Use (Subpart DD), and Manufacture of Electric Transmission and Distribution Equipment (Subpart SS). Over time, other industrial processes with required GHGRP reporting may include PFAS emissions data and the list of reportable gases may change over time. Note that some regulatory programs have specified chemical structure requirements that define PFAS differently than the lists in EPA's CompTox Chemicals Dashboard.

Government Publication Date: Dec 2, 2025

On-Scene Coordinator Response Sites: OSC RESPONSE

This list of On-Scene Coordinator (OSC) Response Sites is provided by the U.S. Environmental Protection Agency (EPA). OSCs are the federal officials responsible for monitoring or directing responses to all oil spills and hazardous substance releases reported to the federal government. OSCs coordinate all federal efforts with, and provide support and information to local, state, and regional response communities. An OSC is an agent of either EPA or the U.S. Coast Guard (USCG), depending on where the incident occurs. EPA's OSCs have primary responsibility for spills and releases to inland areas and waters. USCG OSCs have responsibility for coastal waters and the Great Lakes. In general, an OSC has the following key responsibilities during and after a response: Assessment, Monitoring, Response Assistance, and Evaluation.

Government Publication Date: Oct 8, 2025

Risk Management Plan (RMP) Rule: RMP

A list of facilities that are required to have a Risk Management Plan (RMP) in order to: identify the potential effects of chemical accidents, identify steps to prevent accidents and provide emergency response procedures should an accident occur. The U.S. Environmental Protection Agency (EPA) Risk Management Program Rule implements Section 112(r) of the 1990 Clean Air Act amendments for facilities that use extremely hazardous substances to develop an RMP. These plans must be revised and resubmitted to EPA every five years. This RMP database without Off-site Consequence Analysis (OCA) information is obtained from the EPA Central Data Exchange (CDX).

Government Publication Date: Aug 1, 2025

Facility Registry Service/Facility Index: FINDS/FRS

The Facility Registry Service (FRS) is a centrally managed database that identifies facilities, sites, or places subject to environmental regulations or of environmental interest. FRS creates high-quality, accurate, and authoritative facility identification records through rigorous verification and management procedures that incorporate information from program national systems, state master facility records, and data collected from EPA's Central Data Exchange registrations and data management personnel. This list is made available by the U.S. Environmental Protection Agency (EPA).

Government Publication Date: Jan 1, 2026

Toxics Release Inventory (TRI) Program: TRIS

The U.S. Environmental Protection Agency's Toxics Release Inventory (TRI) is a database containing data on disposal or other releases of toxic chemicals from U.S. facilities and information about how facilities manage those chemicals through recycling, energy recovery, and treatment. There are currently 770 individually listed chemicals and 33 chemical categories covered by the TRI Program. Facilities that manufacture, process or otherwise use these chemicals in amounts above established levels must submit annual reporting forms for each chemical. Note that the TRI chemical list does not include all toxic chemicals used in the U.S. One of TRI's primary purposes is to inform communities about toxic chemical releases to the environment. This database includes TRI Reporting Data for calendar years 1987 through 2021 and Preliminary Data for 2022.

Government Publication Date: Sep 20, 2023

PFOA/PFOS Contaminated Sites: PFAS NPL

This list of Superfund Sites with Per- and Polyfluoroalkyl Substances (PFAS) detections is made available by the U.S. Environmental Protection Agency (EPA) in their PFAS Analytic Tools data, previously the list was obtained by EPA FOIA requests. EPA's Office of Land and Emergency Management and EPA Regional Offices maintain what is known about site investigations, contamination, and remedial actions under the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA) where PFAS is present in the environment. Limitations: Detections of PFAS at National Priorities List (NPL) sites do not mean that people are at risk from PFAS, are exposed to PFAS, or that the site is the source of the PFAS. The information in the Superfund NPL and Superfund Alternative Agreement (SAA) PFAS detection site list is years old and may not be accurate today. Site information such as site name, site ID, and location has been confirmed for accuracy; however, PFAS-related information such as media sampled, drinking water being above the health advisory, or mitigation efforts has not been verified. For Federal Facilities data, the other Federal agencies (OFA) are the lead agency for their data and provided them to EPA.

Government Publication Date: Dec 29, 2025

Federal Agency Locations with Known or Suspected PFAS Detections: PFAS FED SITES

This list of federal agency locations with known or suspected detections of Per- and Polyfluoroalkyl Substances (PFAS) is made available by the U.S. Environmental Protection Agency's (EPA) PFAS Analytic Tools data. The EPA outlines that these data are gathered from several federal entities, such as the federal Superfund program, Department of Defense (DOD), National Aeronautics and Space Administration (NASA), Department of Transportation (DOT), and Department of Energy (DOE). The dates this data was extracted for the PFAS Analytic Tools range from 2022 to 2025 per agency entity dataset. Sites on this list do not necessarily reflect the source/s of PFAS contamination and detections do not indicate level of risk or human exposure at the site. Agricultural notifications in this data are limited to DOD sites only. At this time, the EPA is aware that this list is not comprehensive of all Federal agencies.

Government Publication Date: May 30, 2025

SSEHRI PFAS Contamination Sites: PFAS SSEHRI

This PFAS Contamination Site Tracker database is compiled by the PFAS Project Lab, part of the Social Science Environmental Health Research Institute (SSEHRI) at Northeastern University. According to the SSEHRI, the database records qualitative and quantitative data from each known site of PFAS contamination, including timeline of discovery, sources, levels, health impacts, community response, and government response. The goal of this database is to compile information and support public understanding of the rapidly unfolding issue of PFAS contamination. All data presented was extracted from government websites, news articles, or publicly available documents. Locations for the Known PFAS Contamination Sites are sourced from the PFAS Sites and Community Resources Map by the PFAS-REACH team, credited to PFAS Project Lab, Silent Spring Institute, and PFAS Exchange. Disclaimer: The source conveys the data undergoes regular updates as new information becomes available, some sites may be missing and/or contain information that is incorrect or outdated, as well as their information represents all contamination sites SSEHRI is aware of, not all possible contamination sites. This data is not intended to be used for legal purposes. Access the following source link for the most current information: https://pfasproject.com/pfas-sites-and-community-resources/

Government Publication Date: Aug 1, 2025

National Response Center PFAS Spills: PFAS ERNS

This Per- and Poly-Fluoroalkyl Substances (PFAS) Spills dataset is made available via the U.S. Environmental Protection Agency's (EPA) PFAS Analytic Tools. The National Response Center (NRC), operated by the U.S. Coast Guard, is the designated federal point of contact for reporting all oil, chemical, and other discharges into the environment, for the United States and its territories. This dataset contains NRC spill information from 1990 to the present that is restricted to records associated with PFAS and PFAS-containing materials. Incidents are filtered to include only records with a "Material Involved" or "Incident Description" related to Aqueous Film Forming Foam (AFFF). The keywords used to filter the data included "AFFF," "Fire Fighting Foam," "Aqueous Film Forming Foam," "Fire Suppressant Foam, "PFAS," "PERFL," "PFOA," "PFOS," and "Genx." Limitations: The data from the NRC website contains initial incident data that has not been validated or investigated by a federal/state response agency. Keyword searches may misidentify some incident reports that do not contain PFAS. This dataset should also not be considered to be exhaustive of all PFAS spills/release incidents.

Government Publication Date: Feb 16, 2026

PFAS NPDES Discharge Monitoring: PFAS NPDES

This list of National Pollutant Discharge Elimination System (NPDES) permitted facilities with required monitoring for Per- and Polyfluoroalkyl (PFAS) Substances is made available via the U.S. Environmental Protection Agency (EPA)'s PFAS Analytic Tools. Any point-source wastewater discharger to waters of the United States must have a NPDES permit, which defines a set of parameters for pollutants and monitoring to ensure that the discharge does not degrade water quality or impair human health. This list includes NPDES permitted facilities associated with permits that monitor for Per- and Polyfluoroalkyl Substances (PFAS), limited to the years 2007 - present. EPA further advises the following regarding these data: currently, fewer than half of states have required PFAS monitoring for at least one of their permittees, and fewer states have established PFAS effluent limits for permittees. For states that may have required monitoring, some reporting and data transfer issues may exist on a state-by-state basis.

Government Publication Date: Dec 16, 2024

Perfluorinated Alkyl Substances (PFAS) from Toxic Release Inventory: PFAS TRI

List of Toxics Release Inventory (TRI) facilities at which the reported chemical is a per- or polyfluoroalkyl (PFAS) substance included in the U.S. Environmental Protection Agency's (EPA) consolidated PFAS Master List of PFAS Substances. Encompasses Toxics Release Inventory records included in the EPA PFAS Analytic Tools. The EPA's TRI database currently tracks information on disposal or releases of 770 individually listed toxic chemicals and 33 chemical categories from thousands of U.S. facilities and details about how facilities manage those chemicals through recycling, energy recovery, and treatment. This listing includes TRI Reporting Data for calendar years 1987 through 2021 and Preliminary Data for 2022.

Government Publication Date: Sep 20, 2023

PFAS Water Quality Portal Sampling Data: PFAS WATER

This Per- and Poly-Fluoroalkyl Substances (PFAS) Environmental Media Sampling Data is made available via the U.S. Environmental Protection Agency's (EPA) PFAS Analytic Tools. The Water Quality Portal (WQP), as a cooperative service sponsored by the United States Geological Survey, the EPA, and the National Water Quality Monitoring Council, is part of a modernized repository storing ambient sampling data for all environmental media and tissue samples. A wide range of federal, state, tribal and local governments, academic and non-governmental organizations, and individuals submit project details and sampling results to this public repository. Limitations: EPA did not carry out the sampling or testing of a majority of the data in the WQP PFAS dataset. EPA can only speak to the accuracy and completeness of the data from projects like the National Aquatic Resource Surveys for which EPA is the data owner/organization. Data may exist within the file on Quality Assurance Project Plans (QAPPs) and the approving agency of the QAPP, if a QAPP is entered.

Government Publication Date: Jul 21, 2025

PFAS TSCA Manufacture and Import Facilities: PFAS TSCA

The U.S. Environmental Protection Agency (EPA) issued the Chemical Data Reporting (CDR) Rule under the Toxic Substances Control Act (TSCA) and requires chemical manufacturers and facilities that manufacture or import chemical substances to report data to EPA. This list is specific only to TSCA Manufacture and Import Facilities with reported per- and poly-fluoroalkyl (PFAS) substances. Data file is sourced from EPA's PFAS Analytic Tools TSCA dataset which includes CDR/Inventory Update Reporting data from 1998 up to 2020. Disclaimer: This data file includes production and importation data for chemicals identified in EPA's CompTox Chemicals Dashboard list of PFAS without explicit structures and list of PFAS structures in DSSTox. Note that some regulations have specific chemical structure requirements that define PFAS differently than the lists in EPA's CompTox Chemicals Dashboard. Reporting information on manufactured or imported chemical substance amounts should not be compared between facilities, as some companies claim Chemical Data Reporting Rule data fields for PFAS information as Confidential Business Information.

Government Publication Date: Jan 5, 2023

PFAS Waste Transfers from RCRA e-Manifest: PFAS E-MANIFEST

This Per- and Poly-Fluoroalkyl Substances (PFAS) Waste Transfers dataset is made available via the U.S. Environmental Protection Agency's (EPA) PFAS Analytic Tools. Every shipment of hazardous waste in the U.S. must be accompanied by a shipment manifest, which is a critical component of the cradle-to-grave tracking of wastes mandated by the Resource Conservation and Recovery Act (RCRA). According to the EPA, currently no Federal Waste Code exists for any PFAS compounds. To work around the lack of PFAS waste codes in the RCRA database, EPA developed the PFAS Transfers dataset by mining e-Manifest records containing at least one of these common PFAS keywords: • PFAS • PFOA • PFOS • PERFL • AFFF • GENX • GEN-X (plus the Vermont state-specific waste codes). Limitations: Amount or concentration of PFAS being transferred cannot be determined from the manifest information. Keyword searches may misidentify some manifest records that do not contain PFAS. This dataset should also not be considered to be exhaustive of all PFAS waste transfers.

Government Publication Date: Nov 29, 2025

PFAS Industry Sectors: PFAS IND

This Per- and Poly-Fluoroalkyl Substances (PFAS) Industry Sectors dataset is made available via the U.S. Environmental Protection Agency's (EPA) PFAS Analytic Tools. The dataset was developed from various sources that show which industries may be handling PFAS including: EPA's Enforcement and Compliance History Online (ECHO) records restricted to potential PFAS-handling industry sectors, based on the North American Industry Classification System (NAICS) Codes and Standard Industrial Classification (SIC) Codes associated federal regulatory programs (e.g., Clean Water Act, Clean Air Act, and Resource Conservation and Recovery Act) at the facility level; ECHO records for Fire Training Sites identified where fire-fighting foam may have been used in training exercises; and 14 CFR Part 139 Airports compiled from historic and current records from the FAA Airport Data and Information Portal. Since July 2006, all certificated Part 139 Airports are required to have fire-fighting foam onsite that meet certain military specifications, which to date have been fluorinated (Aqueous Film Forming Foam). Limitations: Inclusion in this dataset does not indicate that PFAS are being manufactured, processed, used, or released by the facility. Listed facilities potentially handle PFAS based on their industrial profile but are unconfirmed by the EPA. Keyword searches in ECHO for Fire Training sites may misidentify some facilities and should not be considered to be an exhaustive list of fire training facilities in the U.S.

Government Publication Date: Feb 16, 2026

Hazardous Materials Information Reporting System: HMIRS

The Hazardous Materials Incident Reporting System (HMIRS) database contains unintentional hazardous materials release information reported to the U.S. Department of Transportation, Pipeline and Hazardous Materials Safety Administration.

Government Publication Date: May 28, 2025

National Clandestine Drug Labs: NCDL

The U.S. Department of Justice ("the Department"), Drug Enforcement Administration (DEA), provides this data as a public service. It contains addresses of some locations where law enforcement agencies reported they found chemicals or other items that indicated the presence of either clandestine drug laboratories or dumpsites. In most cases, the source of the entries is not the Department, and the Department has not verified the entry and does not guarantee its accuracy.

Government Publication Date: Nov 30, 2023

Toxic Substances Control Act: TSCA

The U.S. Environmental Protection Agency (EPA) is amending the Toxic Substances Control Act (TSCA) section 8(a) Inventory Update Reporting (IUR) rule and changing its name to the Chemical Data Reporting (CDR) rule. The CDR enables EPA to collect and publish information on the manufacturing, processing, and use of commercial chemical substances and mixtures (referred to hereafter as chemical substances) on the TSCA Chemical Substance Inventory (TSCA Inventory). This includes current information on chemical substance production volumes, manufacturing sites, and how the chemical substances are used. This information helps the Agency determine whether people or the environment are potentially exposed to reported chemical substances. EPA publishes submitted CDR data that is not Confidential Business Information (CBI). EPA CDR collections occur approximately every four years and reporting requirements change per collection.

Government Publication Date: May 12, 2022

Hist TSCA: HIST TSCA

The Environmental Protection Agency (EPA) is amending the Toxic Substances Control Act (TSCA) section 8(a) Inventory Update Reporting (IUR) rule and changing its name to the Chemical Data Reporting (CDR) rule.
The 2006 IUR data summary report includes information about chemicals manufactured or imported in quantities of 25,000 pounds or more at a single site during calendar year 2005. In addition to the basic manufacturing information collected in previous reporting cycles, the 2006 cycle is the first time EPA collected information to characterize exposure during manufacturing, processing and use of organic chemicals. The 2006 cycle also is the first time manufacturers of inorganic chemicals were required to report basic manufacturing information.

Government Publication Date: Dec 31, 2006

FTTS Administrative Case Listing: FTTS ADMIN

An administrative case listing from the Federal Insecticide, Fungicide, & Rodenticide Act (FIFRA) and Toxic Substances Control Act (TSCA), together known as FTTS. This database was obtained from the Environmental Protection Agency's (EPA) National Compliance Database (NCDB). The FTTS and NCDB was shut down in 2006.

Government Publication Date: Jan 19, 2007

FTTS Inspection Case Listing: FTTS INSP

An inspection case listing from the Federal Insecticide, Fungicide, & Rodenticide Act (FIFRA) and Toxic Substances Control Act (TSCA), together known as FTTS. This database was obtained from the Environmental Protection Agency's (EPA) National Compliance Database (NCDB). The FTTS and NCDB was shut down in 2006.

Government Publication Date: Jan 19, 2007

Potentially Responsible Parties List: PRP

Early in the site cleanup process, the U.S. Environmental Protection Agency (EPA) conducts a search to find the Potentially Responsible Parties (PRPs). The EPA looks for evidence to determine liability by matching wastes found at the site with parties that may have contributed wastes to the site. This listing contains PRPs, Noticed Parties, at sites in the EPA's Superfund Enterprise Management System (SEMS).

Government Publication Date: Dec 26, 2025

State Coalition for Remediation of Drycleaners Listing: SCRD DRYCLEANER

The State Coalition for Remediation of Drycleaners (SCRD) was established in 1998, with support from the U.S. Environmental Protection Agency (EPA) Office of Superfund Remediation and Technology Innovation. Coalition members are states with mandated programs and funding for drycleaner site remediation. Current members are Alabama, Connecticut, Florida, Illinois, Kansas, Minnesota, Missouri, North Carolina, Oregon, South Carolina, Tennessee, Texas, and Wisconsin. Since 2017, the SCRD no longer maintains this data, refer to applicable state source data where available.

Government Publication Date: Nov 08, 2017

Integrated Compliance Information System (ICIS): ICIS

The Integrated Compliance Information System (ICIS) database contains integrated enforcement and compliance information across most of U.S. Environmental Protection Agency's (EPA) programs. The vision for ICIS is to replace EPA's independent databases that contain enforcement data with a single repository for that information. Currently, ICIS contains all Federal Administrative and Judicial enforcement actions and a subset of the Permit Compliance System (PCS), which supports the National Pollutant Discharge Elimination System (NPDES). This information is maintained by the EPA Headquarters and at the Regional offices. A future release of ICIS will completely replace PCS and will integrate that information with Federal actions already in the system. ICIS also has the capability to track other activities that support compliance and enforcement programs, including incident tracking, compliance assistance, and compliance monitoring.

Government Publication Date: Oct 18, 2025

Drycleaner Facilities: FED DRYCLEANERS

A list of drycleaner facilities from Enforcement and Compliance History Online (ECHO) data as made available by the U.S. Environmental Protection Agency (EPA), sourced from the ECHO Exporter file. This EPA source file tracks facilities that possess NAICS and SIC codes that classify businesses as drycleaner establishments.

Government Publication Date: Jan 24, 2026

Delisted Drycleaner Facilities: DELISTED FED DRY

List of sites which once appeared on - and have since been removed from - the list of drycleaner facilities included in Enforcement and Compliance History Online (ECHO) data as made available by the U.S. Environmental Protection Agency (EPA), sourced from the ECHO Exporter file. This EPA source file tracks facilities that possess NAICS and SIC codes that classify businesses as drycleaner establishments.

Government Publication Date: Jan 24, 2026

Formerly Used Defense Sites: FUDS

Formerly Used Defense Sites (FUDS) are properties that were formerly owned by, leased to, or otherwise possessed by and under the jurisdiction of the Secretary of Defense prior to October 1986, where the Department of Defense (DOD) is responsible for an environmental restoration. The FUDS Annual Report to Congress (ARC) is published by the U.S. Army Corps of Engineers (USACE). This data is compiled from the USACE's Geospatial FUDS data layers and Homeland Infrastructure Foundation-Level Data (HIFLD) FUDS dataset which applies to the Fiscal Year 2021 FUDS Inventory.

Government Publication Date: May 15, 2023

Civil Enforcement Action Cases without Associated Facilities: CEA2

This database consists of civil, judicial, and administrative federal enforcement cases where there are no facilities associated with a case as tracked by the U.S. Environmental Protection Agency (EPA). The EPA's Enforcement and Compliance History Online (ECHO) system incorporates Federal Enforcement and Compliance (FE&C) data from the Integrated Compliance Information System (ICIS). ICIS tracks enforcement actions taken against companies or individuals; therefore, the ICIS case name may not correspond to an exact facility name for ICIS records linked via EPA's Facility Registry System (FRS), ECHO Facility Searches, or other program data systems.

Government Publication Date: Oct 11, 2025

FUDS Munitions Response Sites: FUDS MRS

Boundaries of Munitions Response Sites (MRS), published with the Formerly Used Defense Sites (FUDS) Annual Report to Congress (ARC) by the U.S. Army Corps of Engineers (USACE). An MRS is a discrete location within a Munitions response area (MRA) that is known to require a munitions response. An MRA means any area on a defense site that is known or suspected to contain unexploded ordnance (UXO), discarded military munitions (DMM), or munitions constituents (MC). This data is compiled from the USACE's Geospatial MRS data layers and Homeland Infrastructure Foundation-Level Data (HIFLD) MRS dataset.

Government Publication Date: May 15, 2023

Former Military Nike Missile Sites: FORMER NIKE

This information was taken from report DRXTH-AS-IA-83A016 (Historical Overview of the Nike Missile System, 12/1984) which was performed by Environmental Science and Engineering, Inc. for the U.S. Army Toxic and Hazardous Materials Agency Assessment Division. The Nike system was deployed between 1954 and the mid-1970's. Among the substances used or stored on Nike sites were liquid missile fuel (JP-4); starter fluids (UDKH, aniline, and furfuryl alcohol); oxidizer (IRFNA); hydrocarbons (motor oil, hydraulic fluid, diesel fuel, gasoline, heating oil); solvents (carbon tetrachloride, trichloroethylene, trichloroethane, stoddard solvent); and battery electrolyte. The quantities of material a disposed of and procedures for disposal are not documented in published reports. Virtually all information concerning the potential for contamination at Nike sites is confined to personnel who were assigned to Nike sites. During deactivation most hardware was shipped to depot-level supply points. There were reportedly instances where excess materials were disposed of on or near the site itself at closure. There was reportedly no routine site decontamination.

Government Publication Date: Dec 2, 1984

PHMSA Pipeline Safety Flagged Incidents: PIPELINE INCIDENT

This list of flagged pipeline incidents is made available by the U.S. Department of Transportation (US DOT) Pipeline and Hazardous Materials Safety Administration (PHMSA). PHMSA regulations require incident and accident reports for five different pipeline system types. Accidents reported on hazardous liquid gravity lines (§195.13) and reporting-regulated-only hazardous liquid gathering lines (§195.15) and incidents reported on Type R gas gathering (§192.8(c)) are not included in the flagged incident file data.

Government Publication Date: Jul 10, 2025

Integrated Compliance Information System for Air: ICIA

The Integrated Compliance Information System (ICIS) for Air contains data regarding regulated Clean Air Act stationary sources and their compliance records, as provided by the U.S. Environmental Protection Agency's (EPA) Enforcement and Compliance History Online (ECHO) data. Regulated sources cover a wide spectrum; from large industrial facilities to relatively small operations such as dry cleaners (automobiles and other mobile air pollution sources are tracked by a different EPA system). While ICIS-Air maintains data at several levels of detail on an air source, ECHO focuses on the data at the plant level. ICIS-Air records include those where the operating status is planned (has applied for a construction permit), under construction, operating, temporarily closed, seasonal, or permanently closed.

Government Publication Date: Dec 6, 2025

Material Licensing Tracking System (MLTS): MLTS

A list of sites that store radioactive material subject to the Nuclear Regulatory Commission (NRC) licensing requirements. This list is maintained by the NRC. As of September 2016, the NRC no longer releases location information for sites. Site locations were last received in July 2016.

Government Publication Date: May 11, 2021

Historic Material Licensing Tracking System (MLTS) sites: HIST MLTS

A historic list of sites that have inactive licenses and/or removed from the Material Licensing Tracking System (MLTS). In some cases, a site is removed from the MLTS when the state becomes an "Agreement State". An Agreement State is a State that has signed an agreement with the Nuclear Regulatory Commission (NRC) authorizing the State to regulate certain uses of radioactive materials within the State.

Government Publication Date: Jan 31, 2010

Mines Master Index File: MINES

The Master Index File (MIF) is provided by the United States Department of Labor, Mine Safety and Health Administration (MSHA). This file, which was originally created in the 1970's, contained many Mine-IDs that were invalid. MSHA removes invalid IDs from the MIF upon discovery. MSHA applicable data includes the following: all Coal and Metal/Non-Metal mines under MSHA's jurisdiction since 1/1/1970; mine addresses for all mines in the database except for Abandoned mines prior to 1998 from MSHA's legacy system (addresses may or may not correspond with the physical location of the mine itself); violations that have been assessed penalties as a result of MSHA inspections beginning on 1/1/2000; and violations issued as a result of MSHA inspections conducted beginning on 1/1/2000.

Government Publication Date: Aug 8, 2025

Occupational Safety and Health Administration Enforcement Data: OSHA

The Occupational Safety and Health Administration (OSHA) Enforcement data includes information regarding the impetus for conducting the inspection, and details on citations and penalty assessments resulting from violations of OSHA standards. Additionally, accident investigation information is provided, including textual descriptions of the accident, and details regarding the injuries and fatalities which occurred. This dataset is provided by the US Department of Labor.

Government Publication Date: Sep 8, 2025

Surface Mining Control and Reclamation Act Sites: SMCRA

This inventory of land and water impacted by past mining (primarily legacy coal mining operations) is maintained by the U.S. Department of the Interior's Office of Surface Mining Reclamation and Enforcement (OSMRE), as it provides information needed to implement the Surface Mining Control and Reclamation Act of 1977 (SMCRA). This inventory contains information on the type and extent of Abandoned Mine Land (AML) Problems, as well as information on the cost associated with the reclamation of those problems. The data is based upon field surveys by State, Tribal, and OSMRE program officials. It is dynamic to the extent that it is modified as new problems are identified and existing problems are reclaimed. Disclaimer: Per the OSMRE, States and tribes who enter their data into e-AMLIS (AML Inventory System) may truncate their latitude and longitude so the precise location of usually dangerous AMLs is not revealed in an effort to protect the public from searching for these AMLs, most of which are on private property. If more precise location information is needed, please contact the applicable state/tribe of interest.

Government Publication Date: Oct 30, 2025

Civil Enforcement Actions: CEA

This database consists of civil, judicial, and administrative federal enforcement cases tracked by the U.S. Environmental Protection Agency (EPA). The EPA's Enforcement and Compliance History Online (ECHO) system incorporates Federal Enforcement and Compliance (FE&C) data from the Integrated Compliance Information System (ICIS). ICIS tracks enforcement actions taken against companies or individuals; therefore, the ICIS case name may not correspond to the exact facility name for ICIS records linked via EPA's Facility Registry System (FRS), ECHO Facility Searches, or other program data systems.

Government Publication Date: Oct 11, 2025

Mineral Resource Data System: MRDS

The Mineral Resource Data System (MRDS) is a collection of reports describing metallic and nonmetallic mineral resources throughout the world. Included are deposit name, location, commodity, deposit description, geologic characteristics, production, reserves, resources, and references. This database contains the records previously provided in the Mineral Resource Data System (MRDS) of USGS and the Mineral Availability System/Mineral Industry Locator System (MAS/MILS) originated in the U.S. Bureau of Mines, which is now part of USGS. The USGS has ceased systematic updates of the MRDS database with their focus more recently on deposits of critical minerals while providing a well-documented baseline of historical mine locations from USGS topographic maps.

Government Publication Date: Mar 15, 2016

Criminal Enforcement Actions: CRIM

Criminal Enforcement Actions database that is maintained by the U.S. Environmental Protection Agency (EPA) which reports criminal enforcement cases for all environmental statutes.

Government Publication Date: Oct 31, 2025

EPA Dockets: DOCKETS

The United States Environmental Protection Agency Docket data lists Civil Case Defendants, filing dates as far back as 1971, laws broken including section, violations that occurred, pollutants involved, penalties assessed and superfund awards by facility and location. The EPA DOCKETS system was decommissioned in 2002.

Government Publication Date: Dec 22, 2005

DOE Legacy Management Sites: LM SITES

The U.S. Department of Energy (DOE) Office of Legacy Management (LM) currently manages radioactive and chemical waste, environmental contamination, and hazardous material at over 100 sites across the U.S. The LM manages sites with diverse regulatory drivers (statutes or programs that direct cleanup and management requirements at DOE sites) or as part of internal DOE or congressionally-recognized programs, such as but not limited to: Formerly Utilized Sites Remedial Action Program (FUSRAP), Uranium Mill Tailings Radiation Control Act (UMTRCA Title I, Tile II), Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA), Resource Conservation and Recovery Act (RCRA), Decontamination and Decommissioning (D&D), Nuclear Waste Policy Act (NWPA). The intent of the site location is to provide a general reference point to the site on a national scale. The coordinates of each site point can be the location of a site monument, the centroid of the site boundary, or a general location of the site. This site listing includes data exported from the DOE Office of LM's Geospatial Environmental Mapping System (GEMS). GEMS Data disclaimer: The DOE Office of LM makes no representation or warranty, expressed or implied, regarding the use, accuracy, availability, or completeness of the data presented herein.

Government Publication Date: Nov 6, 2025

Permit Compliance System (PCS): PCS

Permit Compliance System (PCS) database that is maintained by US Environmental Protection Agency (EPA) provides historic water discharge permit information by state. The Permit Compliance System (PCS) is gradually being replaced by the modernized system called Integrated Compliance Information System (ICIS).

Government Publication Date: Nov 12, 2012

Alternative Fueling Stations: ALT FUELS

This list of alternative fueling stations is sourced from the U.S. Department of Energy's (DOE) Alternative Fuels Data Center (AFDC) and National Renewable Energy Laboratory (NREL). The DOE's Office of Energy Efficiency & Renewable Energy launched the AFDC in 1991 as a repository for alternative fuel vehicle performance data, which provides a wealth of information and data on alternative and renewable fuels, advanced vehicles, fuel-saving strategies, and emerging transportation technologies. The data includes Biodiesel (B20 and above), Compressed Natural Gas (CNG), Electric, Ethanol (E85), Hydrogen, Liquefied Natural Gas (LNG), Propane (LPG), and Renewable Diesel (R20 and above) fuel type locations.

Government Publication Date: Dec 16, 2025

Federal National Pollutant Discharge Elimination System (NPDES): NPDES

The U.S. Environmental Protection Agency's Enforcement and Compliance History Online (ECHO) system incorporates data from the Integrated Compliance Information System - National Pollutant Discharge Elimination System (ICIS-NPDES). ICIS-NPDES is an information management system maintained by the Office of Compliance to track permit compliance and enforcement status of facilities regulated by the NPDES under the Clean Water Act. ICIS-NPDES is designed to support the NPDES program at the state, regional, and national levels and includes permit, inspection, violation and enforcement action information. This national dataset excludes NDPES Master General Permits.

Government Publication Date: May 3, 2025

Superfunds Consent Decrees: CONSENT DECREES

This list of Superfund consent decrees is provided by the Department of Justice, Environment & Natural Resources Division (ENRD) through a Freedom of Information Act (FOIA) applicable file. This listing includes Cases filed since 2010 limited to the following: Consent Decrees for CERCLA or Superfund Sites filed and/or as proposed within the ENRD's Case Management System (CMS); and applicable ENRD's Environmental Defense Section (EDS) CERCLA Cases with "Consent" in History Note. CMS may not reflect the latest developments in a case, nor can the agency guarantee the accuracy of the data. ENRD Disclaimer: Congress excluded three discrete categories of law enforcement and national security records from the requirements of the FOIA; response is limited to those records that are subject to the requirements of the FOIA; however, this should not be taken as an indication that excluded records do, or do not, exist.

Government Publication Date: Dec 30, 2025

Financial Assurance Summary: FINA

This Financial Assurance Summary data provides a list of all Resource Conservation and Recovery Act (RCRA) regulated Treatment, Storage, & Disposal (TSD) sites with Financial Assurance coverage. The data shows the cost estimate for each mechanism type. A mechanism can include letters of credit, bonds, trust agreements, insurance, and self-insurance. This national listing is made available by the U.S. Environmental Protection Agency (EPA).

Government Publication Date: Sep 9, 2025

Air Facility System: AFS

This EPA retired Air Facility System (AFS) dataset contains emissions, compliance, and enforcement data on stationary sources of air pollution. Regulated sources cover a wide spectrum; from large industrial facilities to relatively small operations such as dry cleaners. AFS does not contain data on facilities that are solely asbestos demolition and/or renovation contractors, or landfills. ECHO Clean Air Act data from AFS are frozen and reflect data as of October 17, 2014; the EPA retired this system for Clean Air Act stationary sources and transitioned to ICIS-Air.

Government Publication Date: Oct 17, 2014

Biennial Reporting System (BRS): BRS

The Biennial Reporting System (BRS) contains biennial reports submitted by generators of hazardous wastes and facilities that treat, store or dispose of hazardous wastes. The reports are required by the Resource Conservation and Recovery Act (RCRA) under Title 40 of the Code of Federal Regulations (CFR) and include national and state-level data and analyses on the types and amounts of hazardous wastes generated, waste treatment methods, and waste management and minimization practices. The Biennial Report form (EPA form 8700-13A/B) must be submitted to the authorized state agency or EPA regional office by March 1 of every even-numbered year.

Government Publication Date: Sep 1, 2025

Registered Pesticide Establishments: SSTS

This national list of active EPA-registered foreign and domestic pesticide and/or device-producing establishments is based on data from the Section Seven Tracking System (SSTS). The Federal Insecticide, Fungicide, and Rodenticide Act (FIFRA) Section 7 requires that each producing establishment must place its EPA establishment number on the label or immediate container of each pesticide, active ingredient or device produced. An EPA establishment number on a pesticide product label identifies the EPA registered location where the product was produced. The list of establishments is made available by the U.S. Environmental Protection Agency (EPA).

Government Publication Date: Sep 26, 2025

Enforcement and Compliance Data (ECHO): ECHO

The Enforcement and Compliance History Online (ECHO) data focuses on compliance and enforcement-related information for regulated facilities, including permit data, inspection/compliance evaluation dates and findings, violations of environmental regulations, enforcement actions, and penalties assessed. The information contained in ECHO is made available by the U.S. Environmental Protection Agency (EPA) for information purposes only, and the data is sourced from the ECHO Exporter file. The Exporter file includes facilities regulated as Clean Air Act stationary sources, Clean Water Act direct dischargers, Resource Conservation and Recovery Act hazardous waste handlers, Safe Drinking Water Act public water systems along with other data, such as Toxics Release Inventory releases, industry codes, and permit types.

Government Publication Date: Oct 18, 2025

Polychlorinated Biphenyl (PCB) Transformers: PCBT

Locations of Transformers Containing Polychlorinated Biphenyls (PCBs) registered with the United States Environmental Protection Agency. PCB transformer owners must register their transformer(s) with EPA. Although not required, PCB transformer owners who have removed and properly disposed of a registered PCB transformer may notify EPA to have their PCB transformer de-registered. Data made available by EPA.

Government Publication Date: Oct 15, 2019

Civil Cases and Settlements: CIVIL CASES

A listing of significant civil and cleanup cases and settlements from 1998 and onwards, made available by the United States Environmental Protection Agency (US EPA). This is not a complete list of all enforcement actions taken by or on behalf of EPA. Rather, it represents a subset of enforcement cases, taken civil judicially or administratively, which may be of national interest. Most of the settlements are civil judicial consent decrees resolving alleged violations of environmental laws (e.g., the Clean Air Act, the Clean Water Act); this listing does not include: most administrative enforcement actions; most civil judicial cases resolving liability under CERCLA; criminal enforcement matters.

Government Publication Date: Mar 8, 2024

Polychlorinated Biphenyl (PCB) Notifiers: PCB

Facilities included in the national list of facilities that have notified the United States Environmental Protection Agency (EPA) of Polychlorinated Biphenyl (PCB) activities. Any company or person storing, transporting or disposing of PCBs or conducting PCB research and development must notify the EPA and receive an identification number.

Government Publication Date: Aug 12, 2025

National Compliance Database System - Case Listings: NCDB CASE LIST

Case listings from the National Compliance Database System (NCDB), the historical repository for national data from the United States Environmental Protection Agency's ten regional and Headquarters FIFRA/TSCA Tracking System (FTTS). Data collected in the regional FTTS was transferred to NCDB to support the need for monitoring national performance of the following programs: Federal Insecticide, Fungicide, and Rodenticide Act (FIFRA), Toxic Substance Control Act (TSCA) , Emergency Planning and Right-to-Know Act, Section 313 (EPCRA) , Asbestos Hazard Emergency Response (AHERA). EPA's Integrated Compliance Information System (ICIS) is the current system of record for this data since 2006.

Government Publication Date: Sep 1, 2006

National Compliance Database Information - Facility Inspection: NCDB FAC INSP

Facility inspection information from the National Compliance Database (NCDB), the historical repository for national data from the United States Environmental Protection Agency's ten regional and Headquarters FIFRA/TSCA Tracking System (FTTS). Data collected in the regional FTTS was transferred to NCDB to support the need for monitoring national performance of the following programs: Federal Insecticide, Fungicide, and Rodenticide Act (FIFRA), Toxic Substance Control Act (TSCA) , Emergency Planning and Right-to-Know Act, Section 313 (EPCRA) , Asbestos Hazard Emergency Response (AHERA). Since October 2006, the EPA has been entering new inspection information into the Integrated Compliance Information System (ICIS), the current system of record for this data.

Government Publication Date: Sep 1, 2006

Hazardous Waste Compliance Docket Facilities: DOCKET HW

This list of the Federal Agency Hazardous Waste Compliance Docket (HWCD) Facilities is maintained by the United States Environmental Protection Agency (EPA). According to the EPA, Section 120(c) of CERCLA requires EPA to establish a listing, known as the Federal Facility Hazardous Waste Compliance Docket (Docket), of Federal facilities which are managing or have managed hazardous waste; or have had a release of hazardous waste. Thus, the Docket identifies all Federal facilities that must be evaluated to determine whether they pose a risk to human health and the environment, and it makes this information available to the public. The HWCD site listing is sourced from the EPA's Federal Facility Cleanups Searchable List of Docket Facilities. Previous data may include applicable site information from the EPA's Cleanups at Federal Facilities - Docket Sites Mapping Application; however, not all docket sites are accessible from the map layer, and the Federal Facilities Restoration and Reuse Office (FFRRO) is working with the Regions to address these data issues.

Government Publication Date: Oct 3, 2025

Power Plants: POWER PLANTS

This list of power plants is provided by the U.S. Energy Information Administration (EIA). The listing includes operable electric generating plants in the United States by energy source, originating from the EIA-860, Annual Electric Generator Report; EIA-860M, Monthly Update to the Annual Electric Generator Report; and EIA-923, Power Plant Operations Report. It includes all operable plants by energy source with a combined nameplate capacity of 1 megawatt or more that are operating, are on standby, or out of service for short- or long-term.

Government Publication Date: Jun 5, 2025

Historical Business Activity Risk: HIST RISK

Proprietary list of sites identified as potentially having engaged in business activity that poses a higher-than-normal risk of contamination. Records originate from historical city directories, and are included in this list based on broad business categories Potentially Hazardous Chemical Users and Fuel and Automotive, including but not limited to Dry Cleaners and Fuel Stations, Garages, etc. Inclusion in this listing does not indicate that there is or ever has been contamination; rather, sites are included in this list due to their potential for having engaged in a business activity presenting an elevated risk of contamination. The list was compiled from various city directories including Polks, Millers, Mullin Kille, Interstate Directory, and State Directory Co; spanning roughly 1920s through 1960 depending on information available by city.

Government Publication Date: Jan 1, 1960

NPDES Biosolids Program Permit Holders: NPDES BIOSOLIDS

This Water National Pollutant Discharge Elimination System (NPDES) Biosolids Permits list is sourced from the U.S. Environmental Protection Agency's (EPA) Enforcement and Compliance History Online data. EPA's Integrated Compliance Information System (ICIS) for NPDES includes facility and compliance information for NPDES permits in the ECHO Biosolids facility universe. Per the EPA, when sewage from households and businesses (and sometimes wastewater from industrial dischargers) is sent to a wastewater treatment plant, the liquids are separated from the solids, producing a semi-solid, nutrient-rich product known as "sewage sludge" or "biosolids". The EPA typically uses the term "biosolids" to mean sewage sludge that has been treated to meet the agency's regulatory requirements and is intended to be land applied as a soil conditioner or fertilizer.

Government Publication Date: Feb 7, 2026

State

NPDES Permit Listing: NPDES

A list of National Pollutant Discharge Elimination System (NPDES) permits made available by the Tennessee Department of Environment and Conservation (TDEC). List is obtained from the TDEC DataViewer - Division of Water Resources (DWR).

Government Publication Date: Dec 31, 2022

Drycleaner Environmental Response Program Remediation Sites: PRIORITY CLEAN

Tennessee's Department of Environment and Conservation (TDEC) Division of Remediation operates a program called the Drycleaner Environmental Response Program (DCERP). This program keeps a list of DCERP remediation sites.

Government Publication Date: Jan 21, 2026

Delisted Drycleaner Environmental Response Program Remediation Sites: DELISTED DCER

The list of Drycleaner Environmental Response Program, maintained by the Tennessee's Department of Environment and Conservation Division of Remediation, would remove a record if the program finished the remediation. This list contains all such records that has finished remediation.

Government Publication Date: Jan 21, 2026

Registered Drycleaner Facilities List: DRYCLEANERS

A list of dry cleaners maintained by the Tennessee Department of Environment and Conservation (TDEC) Drycleaner Environmental Response Program (DCERP). Includes currently registered dry cleaning facilities and known dry cleaners.

Government Publication Date: Jan 23, 2026

Delisted Drycleaners List: DELISTED DRYCLEANERS

List of sites removed from the drycleaners database made available by the Department of Environmental and Conservation.

Government Publication Date: Jan 23, 2026

Registry of Contaminated Properties: CDL

The Tennessee Department of Environment and Conservation (TDEC) publishes a list of all properties under quarantine due to meth. Law enforcement places and removes the order of quarantine; TDEC has no control over additions and removals to the list. This list is maintained by the TDEC Division of Remediation (DOR).

Government Publication Date: Jan 7, 2026

Spills, Emergency Response Data: SPILLS

An inventory of spill locations reported to Tennessee Emergency Management Agency. This list made available by Tennessee Emergency Management Agency (TEMA).

Government Publication Date: Jul 22, 2015

Statewide Petroleum Incident Logging Section (SPILS) List: SPILS

Tennessee's Statewide Petroleum Incident Logging Section (SPILS) is a new program within the Tennessee Department of Environment and Conservation (TDEC)'s Division of Solid Waste Management (DSWM). The SPILS program log incidents along Tennessee's roadways where a reportable quantity of petroleum products is released to the environment, ensuring that appropriate cleanup standards are applied, remediation activities are completed, and final reports detailing the response are received and reviewed.

Government Publication Date: Nov 18, 2025

Solid Waste Management (SWM) Complaints: SWM COMPLAINT

List of Solid Waste Management (SWM) complaints in the Tennessee Department of Environment & Conservation (TDEC) Dataviewer.

Government Publication Date: Feb 20, 2026

Hazardous Waste Management Facilities: HWM

List of Hazardous Waste Management Facilities made available by Tennessee's Department of Environment and Conservation. Includes Active, Inactive, Closed, Open, Operating, and Not Operating facilities. This is not a complete list of hazardous waste management facilities permits in the state of Tennessee.

Government Publication Date: Dec 23, 2025

PFAS Source Water Sampling: PFAS SAMPLING

This source water sampling results data for Perfluoroalkyl and Polyfluoroalkyl Substances (PFAS) is provided by the Tennessee Department of Environment & Conservation (TDEC). The TDEC is currently performing a statewide initiative to sample for 29 different PFAS compounds, in raw, untreated source water that supplies public drinking water systems. The sampling results include the 6 PFAS that the U.S. Environmental Protection Agency (EPA) has announced final Maximum Contaminant Levels (MCLs) for finished drinking water: PFOA, PFOS, PFHxS, HFPO-DA, PFBS, and PFNA. While the EPA has announced final Maximum Contaminant Levels (MCLs) for finished (i.e., treated) drinking water, these rules are not yet effective, and there are no regulatory levels for the untreated, raw source water used in this sampling effort. This data is for informational use only and is not intended for legal purposes.

Government Publication Date: Jul 27, 2025

Tribal

No Tribal additional environmental record sources available for this State.

County

No County additional environmental record sources available for this State.

Definitions

Database Descriptions: This section provides a detailed explanation for each database including: source, information available, time coverage, and acronyms used. They are listed in alphabetic order.

Detail Report: This is the section of the report which provides the most detail for each individual record. Records are summarized by location, starting with the project property followed by records in closest proximity.

Distance: The distance value is the distance between plotted points, not necessarily the distance between the sites' boundaries. All values are an approximation.

Direction: The direction value is the compass direction of the site in respect to the project property and/or center point of the report.

Elevation: The elevation value is taken from the location at which the records for the site address have been plotted. All values are an approximation. Source: Google Elevation API.

Executive Summary: This portion of the report is divided into 3 sections:

'Report Summary'- Displays a chart indicating how many records fall on the project property and, within the report search radii.

'Site Report Summary'-Project Property'- This section lists all the records which fall on the project property. For more details, see the 'Detail Report' section.

'Site Report Summary-Surrounding Properties'- This section summarizes all records on adjacent properties, listing them in order of proximity from the project property. For more details, see the 'Detail Report' section.

Map Key: The map key number is assigned according to closest proximity from the project property. Map Key numbers always start at #1. The project property will always have a map key of '1' if records are available. If there is a number in brackets beside the main number, this will indicate the number of records on that specific property. If there is no number in brackets, there is only one record for that property.

The symbol and colour used indicates 'elevation': the red inverted triangle will dictate 'ERIS Sites with Lower Elevation', the yellow triangle will dictate 'ERIS Sites with Higher Elevation' and the orange square will dictate 'ERIS Sites with Same Elevation.'

Unplottables: These are records that could not be mapped due to various reasons, including limited geographic information. These records may or may not be in your study area, and are included as reference.

Appendix F
Government Records

Property Tax History

Print

Parcel Number: 051017 00021

Property Owner: MEMPHIS HOUSING AUTHORITY

Property Address: 981 PEACH AVE

Current Balance: $0.00

Balances shown are calculated as of the end of yesterday's business. Late fee programs are run nightly. Your payment will be applied starting with the oldest year not in bankruptcy. Do not use Internet queries for real estate closing. For final balance, call 522-1111, since all payments may not be posted and refunds may be due.

Year	Type	Assessment	Millage Rate	Tax Bill Number	Tax Assessed	Interest / Penalty	Other Charges	Total Due
2025	REAL	$0	$2.5808	73919	$0.00	$0.00	$0.00	$0.00
2024	REAL	$0	$3.1954	73955	$0.00	$0.00	$0.00	$0.00

Printed Date: 3/12/2026 at 10:39 AM CST

Owner Name: MEMPHIS HOUSING AUTHORITY
Property Location: 981 PEACH
Mailing Address: 700 ADAMS AVE MEMPHIS, TN 38105-5002
Parcel ID#: 051017 00021
This Information is as of: Thursday, March 12th, 2026, 10:40:18 AM
Tax Due: $0.00 Interest: $0.00 Total Fees: $0.00 Total Due: $0.00

Legal Description Register GIS Assessor GIS

Make a Payment

PRINT NOTICE FOR BALANCES DUE

Bill Number	Year	Tax Authority	Tax Due	Interest	Total Fees	Total Due	Assessment
25075539	2025	Shelby	$0.00	$0.00	$0.00	$0.00	0
24075648	2024	Shelby	$0.00	$0.00	$0.00	$0.00	0

1–2 of 2

Shelby County Tennessee

Willie F. Brooks, Jr.

Shelby County Register

As evidenced by the instrument number shown below, this document has been recorded as a permanent record in the archives of the Office of the Shelby County Register.

23102416

12/05/2023 - 10:58:30 AM

19 PGS	
FRED 2646752-23102416	
VALUE	0.00
MORTGAGE TAX	0.00
TRANSFER TAX	0.00
RECORDING FEE	95.00
DP FEE	2.00
REGISTER'S FEE	0.00
EFILE FEE	2.00
TOTAL AMOUNT	99.00

WILLIE F. BROOKS JR

REGISTER OF DEEDS SHELBY COUNTY TENNESSEE

1075 Mullins Station, Suite W165 ~ Memphis, Tennessee 38134 (901) 222-8100
Website: http://register.shelby.tn.us Email: register@shelbycountytn.gov

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Execution Copy

This Instrument prepared by and
After recording return to:

Raedtha A. Vasquez
Jones Walker, LLP
445 North Boulevard, Suite 800
Baton Rouge, Louisiana 70802

SUBORDINATION AND STANDSTILL AGREEMENT

THIS SUBORDINATION AND STANDSTILL AGREEMENT (this "Agreement") is entered into this October 1, 2023, and among (i) **CADENCE BANK,** a Mississippi banking corporation (together with its successors and/or assigns, the **"Senior Lender"), (ii)** Tennessee Housing Development Agency, a political subdivision and instrumentality of the State of Tennessee **("Tennessee Housing"), (iii) MEMPHIS HOUSING AUTHORITY,** a public housing authority organized and existing under the laws of the State of Tennessee **("Memphis Housing," and c**ollectively with Tennessee Housing, **the "Subordinate Lender"),** and (iii) **LEGENDS PARK SENIOR LLC**, a Tennessee limited liability company **(the "Company").**

Recitals

A. The Senior Lender has made or is making a construction loan to the Company in the original principal amount of $12,800,000 **(the "Project Loan").** The Project Loan is or will be secured by **a first priority mortgage lien (the "Project Mortgage") on the Company's leasehold estate in property** located at 981 Peach Avenue, Memphis, Shelby County, Tennessee **(the "Property")** executed by the Company in favor of Regions Bank, an Alabama banking corporation **(the "Fiscal Agent").** The Property is more fully described in Exhibit A **attached hereto. The Company's obligation to repay the** Project Loan is evidenced by a project loan note, dated October 1, 2023 **(the "Project Loan Note")** executed by the Company payable to the Fiscal Agent, and is due in full on April 10, 2026, unless extended pursuant to the terms of the Credit Disbursement Agreement by and between Senior Lender and the Company dated as of even date herewith **(the "Credit Disbursement Agreement").**

B. The Company has requested the Senior Lender to permit the Company to enter into that certain Loan Agreement dated as of October 10, 2023 between Memphis Housing and Company whereby Memphis Housing has made or is making various loans to the Company, which loans that are the subject of this Agreement are in the aggregate total principal amount of $1,254,608 **(the "Subordinate Loan").**

C. The Subordinate Loan is evidenced by, among other things, that certain Deed of Trust Note (National Housing Trust Funds) in the amount of $754,608 and that certain Deed of Trust Note (TN Housing Trust Funds) in the amount of $500,000, each dated as of October 10, **2023 (collectively, the "Subordinate**

Note"), made by the Company to the order of the Memphis Housing, in the aggregate total principal amount of $1,254,608.

D. The Subordinate Loan is or will be secured by that Leasehold Deed of Trust, Security Agreement and Fixture Filing (National Housing Trust Funds) and that certain Leasehold Deed of Trust, Security Agreement and Fixture Filing (TN Housing Trust Funds), each dated as of October 10, 2023 **(collectively, the "Subordinate Mortgage")** by the Company in favor of Memphis Housing.

E. The Subordinate Loan will be made from funds that are granted to Memphis Housing by Tennessee Housing pursuant to a Grant Contract (National Housing Trust Funds) by and between Tennessee Housing and Memphis Housing dated July 1, 2020, as amended on October 2, 2023 and a Working Agreement (TN Housing Trust Funds) by and between Tennessee Housing and Memphis Housing dated September 13, 2021, as amended on October 2, 2023 **(collectively, the "Tennessee Housing Grant Agreements")** and evidenced by the National Housing Trust Fund Program Rental Housing Promissory Note in the amount of $754,608 and the Tennessee Housing Trust Fund Competitive Grants Program in the amount of $500,000, each dated as of October 10, 2023 (collectively, the **"Tennessee Housing Notes"),** made by Memphis Housing to Tennessee Housing.

F. As security for the Tennessee Housing Notes, the Subordinate Mortgage is or will be assigned pursuant to that certain Collateral Assignment of Leasehold Deed Of Trust, Security Agreement and Fixture Filing (TN HTF – Edgeview at Legends Park) and that certain Collateral Assignment of Leasehold Deed of Trust, Security Agreement And Fixture Filing (NHTF – Edgeview at Legends Park), each dated as of October 10, 2023 **(collectively, the "Tennessee Housing Collateral Assignments"), made** by Memphis Housing, as assignor, to Tennessee Housing, as assignee.

G. The Senior Lender has agreed to permit the Subordinate Lender to make the Subordinate Loan and to place a subordinate mortgage lien against the Property subject to all of the conditions contained in this Agreement.

NOW, THEREFORE, in order to induce the Senior Lender to permit the Subordinate Lender to make the Subordinate Loan to the Company and to place a subordinate mortgage lien against the Property, and in consideration thereof, the Senior Lender, the Subordinate Lender and the Company agree as follows:

1. Definitions.

In addition to the terms defined in the Recitals to this Agreement, for purposes of this Agreement the following terms have the respective meanings set forth below:

"Affiliate" means, when used with respect to a Person, any corporation, partnership, joint venture, limited liability company, limited liability partnership, trust or individual controlled by, under common control with, or which controls such Person (the term **"control" for these purposes shall mean the ability,** whether by the ownership of shares or other equity interests, by contract or otherwise, to elect a majority of the directors of a corporation, to make management decisions on behalf of, or independently to select the managing partner of, a partnership, or otherwise to have the power independently to remove and then select a majority of those individuals exercising managerial authority over an entity, and control shall be conclusively presumed in the case of the ownership of 50% or more of the equity interests).

"Business Day" means any day other than Saturday, Sunday or a day on which the Senior Lender is not open for business.

"Company" means the Person named as such in the first paragraph of this Agreement and any other Person (other than the Senior Lender) who acquires title to the Property after the date of this

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Agreement.

"Default Notice" means: (a) a copy of the written notice from the Senior Lender to the Company stating that a Project Loan Default has occurred under the Project Loan; or (b) a copy of the written notice from the Subordinate Lender to the Company stating that a Subordinate Loan Default has occurred under the Subordinate Loan. Each Default Notice shall specify the default upon which such Default Notice is based.

"Person" means an individual, estate, trust, partnership, corporation, limited liability company, limited liability partnership, governmental department or agency or any other entity which has the legal capacity to own property.

"Project Loan Default" means the occurrence of an "Event of Default" as that term is defined in the Project Loan Documents.

"Project Loan Documents" means the Credit Disbursement Agreement by and between Senior Lender and the Company dated as of October 1, 2023, the Project Loan Note, the Project Mortgage, and all other documents evidencing, securing or otherwise executed and delivered in connection with the Project Loan.

"Senior Lender" means the Person named as such in the first paragraph on page 1 of this Agreement. When any other Person becomes the legal holder of the Project Loan Note, such other Person shall automatically become the Senior Lender.

"Subordinate Lender" means the Person named as such in the first paragraph on page 1 of this Agreement. When any other Person becomes the legal holder of the Subordinate Loan, such other Person shall automatically become the Subordinate Lender.

"Subordinate Loan Default" means a default by the Company in performing or observing any of the terms, covenants or conditions in the Subordinate Loan Documents to be performed or observed by it, which continues beyond any applicable period provided in the Subordinate Loan Documents for curing the default.

"Subordinate Loan Documents" means the Subordinate Loan Agreement, the Subordinate Mortgage, the Subordinate Note, the Subordinate LURA, the Tennessee Housing Collateral Assignment, the Tennessee Housing Grant Agreements, the Tennessee Housing Notes and all other documents evidencing, securing or otherwise executed and delivered in connection with the Subordinate Loan.

"Subordinate Loan Agreement" means the Loan Agreement of even date herewith between the Memphis Housing and the Company.

"Subordinate LURA" means collectively, the National Housing Trust Fund Program Declaration of Restrictive Covenants and the Tennessee Housing Trust Fund Competitive Grants Program Declaration of Restrictive Covenants, each dated as of October 10, 2023, by and among Memphis Housing, as grant recipient, the Company and Tennessee Housing.

"Subordinate Mortgage" has the meaning as set forth in the Recitals.

"Subordinate Note" has the meaning as set forth in the Recitals.

"Tennessee Housing Collateral Assignments" has the meaning as set forth in the Recitals.

"Tennessee Housing Grant Agreements" has the meaning as set forth in the Recitals.

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"Tennessee Housing Notes" has the meaning as set forth in the Recitals.

2. Permission to Place Mortgage Lien Against Property.

The Senior Lender agrees, notwithstanding the prohibition against inferior liens on the Property contained in the Project Loan Documents and subject to the provisions of this Agreement, to permit the Subordinate Lender to record the Subordinate Mortgage and other recordable Subordinate Loan Documents against the Property (which are subordinate in all respects to the lien of the Project Mortgage) to secure the Company's obligation to repay all of the obligations, indebtedness and liabilities of the Company to the Subordinate Lender under and in connection with the Subordinate Loan. Such permission is subject to the condition that each of the representations and warranties made by the Company and the Subordinate Lender in Section 3 is true and correct on the date of this Agreement and on the date on which the proceeds of the Subordinate Loan are disbursed to the Company. If any of the representations and warranties made by the Company and the Subordinate Lender in Section 3 is not true and correct on both of those dates, the provisions of the Project Loan Documents applicable to unpermitted liens on the Property shall apply.

3. Company's and Subordinate Lender's Representations and Warranties.

The Company makes the following representations and warranties to the Senior Lender and the Subordinate Lender makes the representations and warranties set forth in (a) and (b) below to Senior Lender:

(a) Subordinate Note. The Subordinate Note shall be deemed to contain the following provision:

> The indebtedness evidenced by this Note is and shall be subordinate in right of payment to the prior payment in full of the indebtedness evidenced by that certain Project Loan Note (the "Senior Note") in the original principal amount of $12,800,000 executed by Legends Park Senior LLC, a Tennessee limited liability company (the "Borrower"), payable to Regions Bank, an Alabama banking corporation (the "Fiscal Agent"), to the extent and in the manner provided in that certain Subordination and Standstill Agreement of even date herewith between Subordinate Lender (as defined in the Subordination Agreement), Borrower and the Senior Lender (the "Subordination Agreement"). The Mortgage securing this Note is and shall be subject and subordinate in all respects to the liens, terms, covenants and conditions of the Project Mortgage securing the Project Loan Note as more fully set forth in the Subordination Agreement. The rights and remedies of the payee and each subsequent holder of this Note under the Mortgage securing this Note are subject to the restrictions and limitations set forth in the Subordination Agreement. Each subsequent holder of this Note shall be deemed, by virtue of such holder's acquisition of this Note, to have agreed to perform and observe all of the terms, covenants and conditions to be performed or observed by the Subordinate Lender under the Subordination Agreement.

(b) Subordinate Loan. The indebtedness owed by Company to Subordinate Lender is, and shall remain, subordinate to the Project Loan and the Project Loan Documents.

(c) Relationship of Company to Subordinate Lender. Tennessee Housing is not an Affiliate of the Company. Memphis Housing is an Affiliate of the Company.

(d) Subordinate Loan Documents. The executed Subordinate Loan Documents are substantially in the same forms as those submitted to, and approved by, Senior Lender prior to the

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date of this Agreement. Upon execution and delivery of the Subordinate Loan Documents, Company shall deliver to Senior Lender an executed copy of each of the Subordinate Loan Documents.

(e) **Project Loan Documents.** The executed Project Loan Documents are substantially in the same forms as, when applicable, those submitted to, and approved by, Senior Lender prior to the date of this Agreement. Upon execution and delivery of the Project Loan Documents, the Company shall deliver to Subordinate Lender an executed copy of each of the Project Loan Documents.

(f) **Term.** The term of the Subordinate Note does not end before the term of the Project Loan.

4. Terms of Subordination.

(a) Agreement to Subordinate. The Senior Lender and the Subordinate Lender agree that: (i) the indebtedness evidenced by the Subordinate Loan Documents is and shall be subordinated in right of payment, to the extent and in the manner provided in this Agreement to the prior payment in full of the indebtedness evidenced by the Project Loan Documents, and (ii) the Subordinate Mortgage and the other Subordinate Loan Documents are and shall be subject and subordinate in all respects to the liens, terms, covenants and conditions of the Project Mortgage and the other Project Loan Documents and to all advances heretofore made or which may hereafter be made pursuant to the Project Mortgage and the other Project Loan Documents (including but not limited to, all sums advanced for the purposes of (1) protecting or further securing the lien of the Project Mortgage, curing defaults by the Company under the Project Loan Documents or for any other purpose expressly permitted by the Project Mortgage, or (2) constructing, renovating, repairing, furnishing, fixturing or equipping the Property).

(b) Subordination of Subrogation Rights. The Subordinate Lender agrees that if, by reason of its payment of real estate taxes or other monetary obligations of the Company, or by reason of its exercise of any other right or remedy under the Subordinate Loan Documents, it acquires by right of subrogation or otherwise a lien on the Property which (but for this subsection) would be senior to the lien of the Project Mortgage, then, in that event, such lien shall be subject and subordinate to the lien of the Project Mortgage.

(c) Payments After Project Loan Default. The Company agrees that, after it receives notice (or otherwise acquires knowledge) of a Project Loan Default under the Project Loan Documents, it will not make any payments under or pursuant to the Subordinate Loan Documents (including but not limited to **principal, interest, additional interest, late payment charges, default interest, attorney's fees, or any other sums secured by the Subordinate Mortgage) without the Senior Lender's prior written consent.** The Subordinate Lender agrees that, after it receives a Default Notice from the Senior Lender with written instructions directing the Subordinate Lender not to accept payments from the Company on account of the Subordinate Loan, it will not accept any payments under or pursuant to the Subordinate Loan Documents (including but not limited to principal, interest, additional interest, late payment charges, default interest, **attorney's fees, or any other sums secured by the Subordinate Mortgage) without the Senior Lender's** prior written consent. If the Subordinate Lender receives written notice from the Senior Lender that the Project Loan **Default which gave rise to the Subordinate Lender's obligation not to accept payments has been cured,** waived, or otherwise suspended by the Senior Lender, the restrictions on payment to the Subordinate Lender in this Section 4 shall terminate, and the Senior Lender shall have no right to any subsequent payments **made to the Subordinate Lender by the Company prior to the Subordinate Lender's** receipt of a new Default Notice from the Senior Lender in accordance with the provisions of this Section 4(c).

(d) Remitting Subordinate Loan Payments to Senior Lender. If, after the Subordinate Lender receives a Default Notice from the Senior Lender in accordance with subsection (c) above, the Subordinate Lender receives any payments under the Subordinate Loan Documents, the Subordinate Lender

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agrees that such payment or other distribution will be received and held in trust for the Senior Lender and unless the Senior Lender otherwise notifies the Subordinate Lender in writing, will be promptly remitted, in kind to the Senior Lender, properly endorsed to the Senior Lender, to be applied to the principal of, interest on and other amounts due under the Project Loan Documents in accordance with the provisions of the Project Loan Documents. By executing this Agreement, the Company specifically authorizes the Subordinate Lender to endorse and remit any such payments to the Senior Lender, and specifically waives any and all rights to have such payments returned to the Company or credited against the Subordinate Loan. The Company and Senior Lender acknowledge and agree that payments received by the Subordinate Lender, and remitted to the Senior Lender under this Section 4, shall not be applied or otherwise credited against the Subordinate Loan, nor shall the tender of such payment to the Senior Lender waive any Subordinate Loan Default which may arise from the inability of the Subordinate Lender to retain such payment or apply such payment to the Subordinate Loan.

(e) Agreement Not to Commence Bankruptcy Proceeding. The Subordinate Lender agrees that during the term of this Agreement it will not commence, or join with any other creditor in commencing any bankruptcy reorganization, arrangement, insolvency or liquidation proceedings with respect to the Company, without the Senior Lender's prior written consent.

5. Default Under Subordinate Loan Documents.

(a) Notice of Default and Cure Rights. The Subordinate Lender shall deliver to the Senior Lender a written Default Notice within five Business Days in each case where the Subordinate Lender has given a Default Notice to the Company. Subject to the terms and conditions of this Agreement, including, without limitation Senior Lender's cure rights as set forth herein, failure of the Subordinate Lender to send a Default Notice to the Senior Lender shall not prevent the exercise of the Subordinate Lender's rights and remedies under the Subordinate Loan Documents. The Senior Lender shall have the right, but not the obligation, to cure any Subordinate Loan Default within 60 days following the date of such notice; provided, however that the Subordinate Lender shall be entitled, during such 60-day period, to continue to pursue its rights and remedies under the Subordinate Loan Documents to the extent permitted under Section 5(b); further provided, in the event Senior Lender effects cure during the time period set forth herein for Senior Lender to cure a default by the Company, then Subordinate Lender shall, at such time Senor Lender cures any default by the Company, cease pursuit of Subordinate Lender's rights and remedies under the Subordinate Loan Documents. Subordinate Lender hereby agrees it shall accept cure by Senior Lender of a default by the Company under the Subordinate Loan Documents. All amounts paid by the Senior Lender in accordance with the Project Loan Documents to cure a Subordinate Loan Default shall be deemed to have been advanced by the Senior Lender pursuant to, and shall be secured by the lien of, the Project Mortgage.

(b) Subordinate Lender's Agreement to Standstill. Subject to Senior Lender's right to notice and an opportunity to cure a Subordinate Loan Default, if a Subordinate Loan Default occurs and is continuing beyond the cure date afforded Senior Lender hereunder to cure a default by the Company, the Subordinate Lender agrees that until the expiration of sixty (60) days following Senior Lender's receipt of a Default Notice from Subordinate Lender, without the Senior Lender's prior written consent, it will not accelerate the Subordinate Loan, commence foreclosure proceedings with respect to the Property, collect rents, appoint (or seek the appointment of) a receiver or institute any other collection or enforcement action.

(c) Cross Default. The Company and the Subordinate Lender agree that a Subordinate Loan Default shall constitute a Project Loan Default under the Project Loan Documents and the Senior Lender shall have the right to exercise all rights or remedies under the Project Loan Documents in the same manner as in the case of any other Project Loan Default. If the Subordinate Lender notifies the Senior Lender in writing that any Subordinate Loan Default of which the Senior Lender has received a Default Notice has

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been cured or waived, as determined by the Subordinate Lender in its sole discretion, then provided that Senior Lender has not conducted a sale of the Property pursuant to its rights under the Project Loan Documents, any Project Loan Default under the Project Loan Documents arising solely from such Subordinate Loan Default shall be deemed cured, and the Project Loan shall be reinstated, provided, however, that the Senior Lender shall not be required to return or otherwise credit for the benefit of the Company any default rate interest or other default related charges or payments received by the Senior Lender during such Project Loan Default.

6. Default Under Project Loan Documents.

(a) Notice of Default and Cure Rights. The Senior Lender shall deliver to the Subordinate Lender a Default Notice within five Business Days in each case where the Senior Lender has given a Default Notice to the Company. Failure of the Senior Lender to send a Default Notice to the Subordinate Lender shall not prevent the exercise of the Senior Lender's rights and remedies under the Project Loan Documents, subject to the provisions of this Agreement. The Subordinate Lender shall have the right, but not the obligation, to cure any such Project Loan Default as provided below. Subordinate Lender may have up to 30 days from the date of the Default Notice to cure any monetary default under the Project Loan Documents; provided, however, that the Senior Lender shall be entitled during such 30-day period to continue to pursue its remedies with respect to the Property. Subordinate Lender may have up to 60 days from the date of the Default Notice to cure a non-monetary default if during such 60-day period Subordinate Lender keeps current all payments required by the Project Loan Documents. In the event that such a non-monetary default creates an unacceptable level of risk relative to the Property, or Senior Lender's secured position relative to the Property, as determined by Senior Lender in its sole discretion, then Senior Lender may exercise during such 60-day period all available rights and remedies to protect and preserve the Property and the rents, revenues and other proceeds from the Property. All amounts paid by the Subordinate Lender to the Senior Lender to cure a Project Loan Default shall be deemed to have been advanced by the Subordinate Lender pursuant to, and shall be secured by the lien of, the Subordinate Mortgage.

(b) Cross Default. The Subordinate Lender agrees that, notwithstanding any contrary provision contained in the Subordinate Loan Documents, a Project Loan Default shall not constitute a default under the Subordinate Loan Documents if no other default occurred under the Subordinate Loan Documents until either (i) the Senior Lender has accelerated the maturity of the Project Loan, or (ii) the Senior Lender has taken affirmative action to exercise its rights under the Project Mortgage to collect rent, to appoint (or seek the appointment of) a receiver or to foreclose on (or to exercise a power of sale contained in) the Project Mortgage. At any time after a Project Loan Default is determined to constitute a default under the Subordinate Loan Documents, the Subordinate Lender shall be permitted to pursue its remedies for default under the Subordinate Loan Documents, subject to the restrictions and limitations of this Agreement. If at any time the Company cures any Project Loan Default to the satisfaction of the Senior Lender, as evidenced by written notice from the Senior lender to the Subordinate Lender, any default under the Subordinate Loan Documents arising from such Project Loan Default shall be deemed cured and the Subordinate Loan shall be retroactively reinstated as if such Project Loan Default had never occurred.

7. Conflict.

The Company, the Senior Lender and the Subordinate Lender each agrees that, in the event of any conflict or inconsistency between the terms of the Project Loan Documents, the Subordinate Loan Documents and the terms of this Agreement, the terms of this Agreement shall govern and control solely as to the following: (a) the relative priority of the security interests of the Senior Lender and the Subordinate Lender in the Property; (b) the timing of the exercise of remedies by the Senior Lender and the Subordinate Lender under the Project Mortgage and the Subordinate Mortgage, respectively; and (c) solely as between the Senior Lender and the Subordinate Lender, the notice requirements, cure rights, and the other rights

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and obligations which the Senior Lender and the Subordinate Lender have agreed to as expressly provided in this Agreement. The Company acknowledges that the terms and provisions of this Agreement shall not, and shall not be deemed to: extend the Company's time to cure any Project Loan Default or Subordinate Loan Default, as the case may be; give the Company the right to notice of any Project Loan Default or Subordinate Loan Default, as the case may be other than that, if any, provided, respectively under the Project Loan Documents or the Subordinate Loan Documents; or create any other right or benefit for Company as against Senior Lender or Subordinate Lender.

8. Rights and Obligations of the Subordinate Lender Under the Subordinate Loan Documents and of the Senior Lender under the Project Loan Documents.

Subject to each of the other terms of this Agreement, all of the following provisions shall supersede any provisions of the Subordinate Loan Documents covering the same subject matter:

(a) Protection of Security Interest. The Subordinate Lender shall not, without the prior written consent of the Senior Lender in each instance, take any action which has the effect of increasing the indebtedness outstanding under, or secured by, the Subordinate Loan Documents, except that the Subordinate Lender shall have the right to advance funds to cure Project Loan Defaults pursuant to Section 6(a) above and advance funds pursuant to the Subordinate Mortgage for the purpose of paying real estate taxes and insurance premiums, making necessary repairs to the Property and curing other defaults by the Company under the Subordinate Loan Documents.

(b) Condemnation or Casualty. In the event of a taking or threatened taking by condemnation or other exercise of eminent domain of all or a portion of the Property (collectively, a "**Taking**"); or the occurrence of a fire or other casualty resulting in damage to all or a portion of the Property (collectively, a "Casualty"), at any time or times when the Project Mortgage remains a lien on the Property the following provisions shall apply:

(1) The Subordinate Lender hereby agrees that its rights (under the Subordinate Loan Documents or otherwise) to participate in any proceeding or action relating to a Taking and/or a Casualty, or to participate or join in any settlement of, or to adjust, any claims resulting from a Taking or a Casualty shall be and remain subordinate in all respects to the Senior Lender's rights under the Project Loan Documents with respect thereto, and the Subordinate Lender shall be bound by any commercially reasonable settlement or adjustment of a claim resulting from a Taking or a Casualty made by the Senior Lender; provided, however, this subsection and/or anything contained in this Agreement shall not limit the rights of the Subordinate Lender to file any pleadings, documents, claims or notices with the appropriate court with jurisdiction over the proposed Taking and/or Casualty; and

(2) all proceeds received or to be received on account of a Taking or a Casualty, or both, shall be applied (either to payment of the costs and expenses of repair and restoration or to payment of the Project Loan) in the manner determined by the Senior Lender in its commercially reasonable discretion; provided, however, that if the Senior Lender elects to apply such proceeds to payment of the principal of, interest on and other amounts payable under the Project Loan Documents, any proceeds remaining after the satisfaction in full of the principal of, interest on and other amounts payable under the Project Loan Documents shall be paid to, and may be applied by, the Subordinate Lender in accordance with the applicable provisions of the Subordinate Loan Documents, provided however, the Senior Lender agrees to consult with the Subordinate Lender in determining the application of Casualty proceeds, provided further however that in the event of any disagreement between the Senior Lender and the Subordinate Lender over

the application of Casualty proceeds, the decision of the Senior Lender, in its commercially reasonable discretion, shall prevail.

(c) No Modification of Subordinate Loan Documents. The Company and the Subordinate Lender each agrees that, until the principal of interest on and all other amounts payable under the Project Loan Documents have been paid in full, it will not, without the prior written consent of the Senior Lender in each instance, increase the amount of the Subordinate Loan, increase the required payments due under the Subordinate Loan, decrease the term of the Subordinate Loan, increase the interest rate on the Subordinate Loan, or otherwise amend the Subordinate Loan terms in a manner that creates an adverse effect upon the Senior Lender under the Project Loan Documents. Any unauthorized amendment of the Subordinate Loan Documents or assignment of the Subordinate Lender's interest in the Subordinate Loan without the Senior Lender's consent shall be void ab initio and of no effect whatsoever, and Subordinate Lender agrees that it shall not transfer or assign the Subordinate Loan or the Subordinate Loan Documents other than to a governmental entity without the prior written consent of the Senior Lender.

9. Closing, Modification or Refinancing of Project Loan.

The Subordinate Lender consents to any agreement or arrangement in which the Senior Lender waives, postpones, extends, reduces or modifies any provisions of the Project Loan Documents, including any provision requiring the payment of money. Subordinate Lender further agrees that its agreement to subordinate hereunder shall extend to any new mortgage debt which is for the purpose of refinancing all or any part of the Project Loan (including reasonable and necessary costs associated with the closing and/or the refinancing) and, in the event of new mortgage debt, Subordinate Lender shall execute and deliver to Senior Lender a new subordination agreement on the same terms and conditions as this Subordination Agreement.

Notwithstanding the foregoing, without the prior written consent of Subordinate Lender, the Subordinate Lender's agreement and consent as provided in this Section 9 shall not apply to any modification, amendment, refinance or replacement of the Project Loan or any Project Loan Document that has the effect of increasing the outstanding principal balance of the Project Loan in excess of the original outstanding principal balance of the Project Loan plus any unpaid interest, default interest and costs and expenses incurred in connection with any such modification, amendment, refinance or replacement.

10. Default by the Subordinate Lender or Senior Lender.

If the Subordinate Lender or Senior Lender defaults in performing or observing any of the terms, covenants or conditions to be performed or observed by it under this Agreement, the other, non-defaulting lender shall have the right to all available legal and equitable relief.

11. Notices.

Each notice, request, demand, consent, approval or other communication (hereinafter in this Section referred to collectively as "notices" and referred to singly as a "notice") which the Senior Lender or the Subordinate Lender is required or permitted to give to the other party pursuant to this Agreement shall be in writing and shall be deemed to have been duly and sufficiently given if: (a) personally delivered with proof of delivery thereof (any notice so delivered shall be deemed to have been received at the time so delivered); or (b) sent by Federal Express (or other similar national overnight courier) designating early morning delivery (any notice so delivered shall be deemed to have been received on the next Business Day following receipt by the courier); or (c) sent by United States registered or certified mail, return receipt requested, postage prepaid, at a post office regularly maintained by the United States Postal Service (any

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notice so sent shall be deemed to have been received two days after mailing in the United States), addressed to the respective parties as follows:

SENIOR LENDER:

Cadence Bank
1049 Highland Colony Parkway
Ridgeland, Mississippi 39157
Attention: Jason Duren

With a copy to: Jones Walker LLP
445 North Boulevard, Suite 800
Baton Rouge, LA 70802
Attention: Raedtha A. Vasquez

SUBORDINATE LENDER:

Memphis Housing Authority
700 Adams Avenue
Memphis, Tennessee 38105
Attention: Dexter Washington

With a copy to: Fox Rothschild LLP
500 Grant Street, Suite 2500
Pittsburgh, PA 15219
Attention: Michael Syme, Esq.

With a copy to: Tennessee Housing Development Agency
502 Deaderick Street, 3rd Floor
Nashville, Tenneessee 37243
Attention: Legal Division

COMPANY:

Legends Park Senior LLC
c/o Pennrose, LLC
230 Wyoming Avenue
Kingston, PA 18704
Attention: Mark H. Dambly

With a copy to: Berman Indictor LLP
30 N. 41st Street, Suite 450
Philadelphia, PA 19103
Attention: Steven P. Berman

Either party may, by notice given pursuant to this Section, change the person or persons and/or address or addresses, or designate an additional person or persons or an additional address or addresses for its notices, but notice of a change of address shall only be effective upon receipt.

13. General.

(a) Assignment/Successors. This Agreement shall be binding upon the Company, the Senior Lender and the Subordinate Lender and shall inure to the benefit of the respective legal successors and assigns of the Senior Lender and the Subordinate Lender.

(b) No Partnership or Joint Venture. The Senior Lender's permission for the placement of the Subordinate Loan Documents does not constitute the Senior Lender as a joint venturer or partner of the Subordinate Lender. Neither party hereto shall hold itself out as a partner, agent or Affiliate of the other party hereto.

(c) Senior Lender's and Subordinate Lender's Consent. Wherever the Senior Lender's consent or approval is required by any provision of this Agreement, such consent or approval may be granted or denied by the Senior Lender in its sole and absolute discretion, unless otherwise expressly provided in this Agreement. Wherever the Subordinate Lender's consent or approval is required by any provision of this Agreement, such consent or approval may be granted or denied by the Subordinate Lender in its sole and absolute discretion, unless otherwise expressly provided in this Agreement.

(d) Further Assurances. The Subordinate Lender, the Senior Lender and the Company each agree, at the Company's expense, to execute and deliver all additional instruments and/or documents reasonably required by any other party to this Agreement in order to evidence that the Subordinate Mortgage is subordinate to the lien, covenants and conditions of the Project Mortgage, or to further evidence the intent of this Agreement.

(e) Amendment. This Agreement shall not be amended except by written instrument signed by all parties hereto.

(f) Governing Law. This Agreement shall be governed by the laws of the State in which the Property is located.

(g) Severable Provisions. If any provision of this Agreement shall be invalid or unenforceable to any extent, then the other provisions of this Agreement, shall not be affected thereby and shall be enforced to the greatest extent permitted by law.

(h) Term. The term of this Agreement shall commence on the date hereof and shall continue until the earliest to occur of the following events: (i) the payment of all of the principal of, interest on and other amounts payable under the Project Loan Documents; (ii) the payment of all of the principal of, interest on and other amounts payable under the Subordinate Loan Documents, other than by reason of payments which the Subordinate Lender is obligated to remit to the Senior Lender pursuant to Section 4 hereof; (iii) the acquisition by the Senior Lender of title to the Property pursuant to a foreclosure or a deed in lieu of foreclosure of, or the exercise of a power of sale contained in, the Project Mortgage; or (iv) the acquisition by the Subordinate Lender of title to the Property pursuant to a foreclosure or a deed in lieu of foreclosure of, or the exercise of a power of sale contained in, the Subordinate Mortgage, but only if such acquisition of title does not violate any of the terms of this Agreement.

(i) Sale of Project Loan. Nothing in this Agreement shall limit Senior Lender's (including any assignee or transferee of Senior Lender) right to sell or transfer the Project Loan, or any interest in the Project Loan. The Project Loan or a partial interest in the Project Loan (together with this Agreement and the other Project Loan Documents) may be sold one or more times without prior notice to Company.

(j) Counterparts. This Agreement may be executed in any number of counterparts, each of which shall be considered an original for all purposes; provided, however, that all such counterparts shall together constitute one and the same instrument.

[Signatures on Following Pages]

In Witness Whereof, the undersigned Cadence Bank, has caused this Agreement to be executed by its duly authorized representative on the date of the acknowledgment of the Senior Lender's signature below.

SENIOR LENDER:

CADENCE BANK,
a Mississippi banking corporation

By: _____
Name: Jason Duren
Title: Senior Vice President

STATE OF MISSISSIPPI
COUNTY OF MADISON

Before me, a Notary Public of the state and county mentioned, personally appeared Jason Duren, with whom I am personally acquainted (or proved to me on the basis of satisfactory evidence), and who, upon oath, acknowledged that he is the Senior Vice President of Cadence Bank, the within named bargainor, and, that as such officer of the bargainor, he executed the foregoing instrument for the purpose therein.

Witness my hand and seal, at Office in Madison MS this 20th day of September, 2023.

My commission expires: 8/30/2027

_____
Notary Public

[NOTARIAL SEAL]

STATE OF MISSISSIPPI
LYNDA L. MATTHEWS
NOTARY PUBLIC
ID No. 23214
My Comm. Expires
Aug. 30, 2027
MADISON COUNTY

This instrument prepared by:
Raedtha Vasquez
Jones Walker LLP
445 North Blvd., Suite 800
Baton Rouge, Louisiana 70802
(225) 248-2000

[Signatures Continue on Following Page]

In Witness Whereof, the undersigned Memphis Housing Authority, has caused this Agreement to be executed by its duly authorized representative on the date of the acknowledgment of the Subordinate Lender's signature below.

SUBORDINATE LENDER:

MEMPHIS HOUSING AUTHORITY, a public housing authority organized and existing under the laws of the State of Tennessee

By: _____
Name: Dexter D. Washington
Title: Chief Executive Officer

STATE OF TENNESSEE
COUNTY OF SHELBY

Before me, a Notary Public of the state and county mentioned, personally appeared Dexter D. Washington, with whom I am personally acquainted (or proved to me on the basis of satisfactory evidence), and who, upon oath, acknowledged that he is the Chief Executive Officer of Memphis Housing Authority, the within named bargainor, and, that as such officer of the bargainor, he executed the foregoing instrument for the purpose therein.

Witness my hand and seal, at Office in Memphis this 29th day of September, 2023.

My commission expires: 10/4/2025

_____
Notary Public

[NOTARIAL SEAL]

DEBORAH PAYNE
STATE OF TENNESSEE NOTARY PUBLIC
SHELBY COUNTY
MY COMMISSION EXPIRES 10-4-2025

This instrument prepared by:
Raedtha Vasquez
Jones Walker LLP
445 North Blvd., Suite 800
Baton Rouge, Louisiana 70802
(225) 248-2000

[Signatures Continue on Following Page]

In Witness Whereof, the undersigned Tennessee Housing Development Agency, has caused this Agreement to be executed by its duly authorized representative on the date of the acknowledgment of the **Subordinate Lender's signature below.**

SUBORDINATE LENDER:

TENNESSEE HOUSING DEVELOPMENT AGENCY, a political subdivision and instrumentality of the State of Tennessee

DocuSigned by:
By: Don Watt
B4A776D747A34E9...
Name: Don Watt
Title: Chief Programs Officer

STATE OF TENNESSEE
COUNTY OF DAVIDSON

Before me, Jenia Tortora, a Notary Public of the state and county mentioned, personally appeared Don Watt, with whom I am personally acquainted (or proved to me on the basis of satisfactory evidence, and who, upon oath, acknowledged that he is the Chief Programs Officer for the Tennessee Housing Development Agency, the within named bargainor, and that he, as such officer, executed the foregoing instrument for the purpose therein, by signing the name of the Tennessee Housing Development Agency by himself as such officer.

Witness my hand and seal, at office, this 6 day of October, 2023.

DocuSigned by:
Jenia Tortora
E9D00377348F403...
Notary Public

My Commission Expires: 05/05/2025

[NOTARIAL SEAL]

JENIA TORTORA
TENNESSEE NOTARY PUBLIC
Davidson County
ONLINE NOTARY PUBLIC
My Commission Expires: May 5, 2025

This instrument prepared by:
Raedtha Vasquez
Jones Walker LLP
445 North Blvd., Suite 800
Baton Rouge, Louisiana 70802
(225) 248-2000

[Signatures Continue on Following Page]

DocuSign

Certificate Of Completion

Envelope Id: 9619A7C4A859434C80EE549E176F33E1
Status: Completed
Subject: Notary Document(s) for Don Watt
Source Envelope:
Document Pages: 59
Signatures: 8
Certificate Pages: 5
Initials: 0
AutoNav: Enabled
EnvelopeId Stamping: Enabled
Time Zone: (UTC-08:00) Pacific Time (US & Canada)

Envelope Originator:
Jenia Tortora
502 Deaderick St
Nashville, TN 37243
JTortora@thda.org
IP Address: 199.26.223.11

Record Tracking

Status: Original
10/6/2023 2:01:12 PM
Security Appliance Status: Connected
Storage Appliance Status: Connected

Holder: Jenia Tortora
JTortora@thda.org
Pool: StateLocal
Pool: Carahsoft OBO Tennessee Housing Development Agency (RON)

Location: DocuSign

Location: DocuSign

Signer Events	Signature	Timestamp
Don Watt dwatt@thda.org Security Level: Notarized Signing (Notary: Jenia Tortora)	DocuSigned by: Don Watt B4A776D747A34E9... Signature Adoption: Pre-selected Style Using IP Address: 199.26.223.11	Sent: 10/6/2023 2:06:14 PM Viewed: 10/6/2023 2:10:20 PM Signed: 10/6/2023 2:10:41 PM

Electronic Record and Signature Disclosure:
Accepted: 4/19/2023 7:28:30 AM
ID: 4dd5f9c9-5c06-412e-a299-5e5adc20d483

In Person Signer Events	Signature	Timestamp

Editor Delivery Events	Status	Timestamp

Agent Delivery Events	Status	Timestamp

Intermediary Delivery Events	Status	Timestamp

Certified Delivery Events	Status	Timestamp

Carbon Copy Events	Status	Timestamp

Witness Events	Signature	Timestamp

Notary Events	Signature	Timestamp
Jenia Tortora jtortora@thda.org Paralegal THDA Notary for Don Watt (dwatt@thda.org) Notary Journal ID: 80289649-751e-4ce5-aee8-f6e86d8d8f91 Security Level: Email, Account Authentication (Required)	JENIA TORTORA TENNESSEE NOTARY PUBLIC Davidson County ONLINE NOTARY PUBLIC My Commission Expires: May 5, 2025 Using IP Address: 199.26.223.11	Sent: 10/6/2023 2:06:14 PM Viewed: 10/6/2023 2:10:14 PM Signed: 10/6/2023 2:11:00 PM

Electronic Record and Signature Disclosure:

Notary Events	Signature	Timestamp
Accepted: 10/28/2022 1:59:45 PM ID: 7e60237b-ede9-4691-9e1e-5a0fbe9aa2ad		

Envelope Summary Events	Status	Timestamps
Envelope Sent	Hashed/Encrypted	10/6/2023 2:06:14 PM
Certified Delivered	Security Checked	10/6/2023 2:10:20 PM
Signing Complete	Security Checked	10/6/2023 2:10:41 PM
Completed	Security Checked	10/6/2023 2:11:00 PM

Payment Events	Status	Timestamps

Electronic Record and Signature Disclosure

In Witness Whereof, the undersigned Legends Park Senior LLC, has caused this Agreement to be executed by its duly authorized representative on the date of the acknowledgment of the Company's signature below.

COMPANY:

LEGENDS PARK SENIOR LLC,
a Tennessee limited liability company

By: Legends Park Senior MM LLC, a Tennessee limited liability company
Its: Managing Member

By: Pennrose Holdings, LLC, a Pennsylvania limited liability company
Its: Manager

By: _____
Name: Mark H. Dambly
Its: Chief Executive Officer

STATE OF PENNSYLVANIA
COUNTY OF PHILADELPHIA

Before me, a Notary Public of said County and State, personally appeared Mark H. Dambly, with whom I am personally acquainted (or proved to me on the basis of satisfactory evidence), and who, upon oath, acknowledged himself to be Chief Executive Officer (or other officer authorized to execute the instrument) of Pennrose Holdings, LLC, a Pennsylvania limited liability company, and that Mark H. Dambly as such Chief Executive Officer executed the foregoing instrument for the purposes therein contained, by signing his name as Chief Executive Officer of Pennrose Holdings, LLC, Manager of Legends Park Senior MM LLC in its capacity as Managing Member of Legends Park Senior LLC, and on its behalf, by himself as Chief Executive Officer of Pennrose Holdings, LLC, Manager of Legends Park Senior MM LLC, the Managing Member of Legends Park Senior LLC.

Witness my hand and seal, at Office in Philadelphia this 29 day of September, 2023.

My commission expires: August 4, 2027 _____
Notary Public

[NOTARIAL SEAL]

Commonwealth of Pennsylvania - Notary Seal
MELISSA M MILLER - Notary Public
Philadelphia County
My Commission Expires August 4, 2027
Commission Number 1434332

This instrument prepared by:
Raedtha Vasquez
Jones Walker LLP
445 North Blvd., Suite 800
Baton Rouge, Louisiana 70802
(225) 248-2000

[End Signatures]

EXHIBIT A

Legal Description

All that certain lot or parcel of land situate in the County of Shelby, State of Tennessee, and being more particularly described as follows:

SAID LAND BEING Lot 1, in the Final Plat, Phase 6 – Block "A" Legends Park P.D., as recorded in the Office of the Register of Deeds of Shelby County, Tennessee, as Instrument Number 23047184, in Book 301, Page 75 and being more particularly described as follows:

BEGINNING at a point in the west line of Decatur Street (55' R.O.W.) being 5.08 feet southwardly from the extension of Peach Avenue (part of Interstate 40 – R.O.W. varies);

thence South 09 degrees 07 minutes 34 seconds West along said west line a distance of 265.99 feet to a point;

thence North 80 degrees 52 minutes 23 seconds West a distance of 337.96 feet to a point;

thence South 09 degrees 13 minutes 58 seconds West a distance of 165.55 feet to a point in the north line of Delmar Avenue (60' R.O.W.);

thence North 80 degrees 52 minutes 04 seconds West along said north line a distance of 39.08 feet to a point of curvature;

thence northwestwardly along a curve to the right having a radius of 30.00 feet, a central angle of 90 degrees 06 minutes 03 seconds, a chord bearing of North 35 degrees 49 minutes 02 seconds West, a chord distance of 42.46 feet, a distance along its arc of 47.18 feet to a point of tangency in the east line of Redsox Lane East (50' R.O.W);

thence North 09 degrees 13 minutes 59 seconds East along said east line a distance of 175.02 feet to a point of curvature;

thence northwestwardly along said east line and along a curve to the left having a radius of 93.00 feet, a central angle of 90 degrees 06 minutes 16 seconds, a chord bearing of North 35 degrees 49 minutes 09 seconds West, a chord distance of 131.64 feet, a distance along its arc of 146.25 feet to a point of tangency;

thence North 80 degrees 52 minutes 23 seconds West a distance of 142.56 feet to a point;

thence North 05 degrees 08 minutes 58 seconds East a distance of 130.20 feet to a point in the south line of said Peach Avenue;

thence North 89 degrees 34 minutes 15 seconds East along said south line a distance of 108.92 feet to a point of curvature;

thence eastwardly along said south line and along a curve to the right having a radius of 1248.24 feet, a central angle of 15 degrees 06 minutes 49 seconds, a chord bearing of South 82 degrees 52 minutes 20 seconds East, a chord distance of 328.31 feet, a distance along its arc of 329.26 feet to a point of tangency;

thence South 75 degrees 18 minutes 56 seconds East along said south line a distance of 212.01 feet to a point;

thence South 33 degrees 03 minutes 27 seconds East a distance of 7.55 feet to the POINT OF BEGINNING and containing 166,421 square feet or 3.820 acres of land, more or less.

I, Amber Passeggiata, do hereby make oath that I am a licensed attorney and/or the custodian of the original version of the electronic document tendered for registration herewith and that this electronic document is a true and exact copy of the original document executed and authenticated according to law on 10/1/2023 (date of document).

Amber Passeggiata
Affiant Signature

10/10/2023
Date

State of Pennsylvania
County of Philadelphia

Sworn to and subscribed before me this 10 day of October, 23.

Notary's Signature

MY COMMISSION EXPIRES: _____

Notary's Seal (if on paper)

Commonwealth of Pennsylvania - Notary Seal
Adam Schneider, Notary Public
Philadelphia County
My Commission Expires May 5, 2027
Commission Number 1233256

Shelby County Tennessee

Willie F. Brooks, Jr.

Shelby County Register

As evidenced by the instrument number shown below, this document has been recorded as a permanent record in the archives of the Office of the Shelby County Register.

24091663

10/24/2024 - 08:25:30 AM

3 PGS	
MARICO 2762551-24091663	
VALUE	0.00
MORTGAGE TAX	0.00
TRANSFER TAX	0.00
RECORDING FEE	15.00
DP FEE	2.00
REGISTER'S FEE	0.00
EFILE FEE	2.00
TOTAL AMOUNT	19.00

WILLIE F. BROOKS JR

REGISTER OF DEEDS SHELBY COUNTY TENNESSEE

1075 Mullins Station, Suite W165 ~ Memphis, Tennessee 38134 (901) 222-8100
Website: http://register.shelby.tn.us Email: register@shelbycountytn.gov

Recording Requested and
Document Prepared By:
SRS Distribution Inc DBA SUPERIOR DISTRIBUTION
3930 Air Park St
Memphis, Tennessee 38118

Return To:
SRS Distribution Inc DBA SUPERIOR DISTRIBUTION
3930 Air Park St
Memphis, Tennessee 38118

SPACE ABOVE FOR RECORDER'S USE

NOTICE OF LIEN AND SWORN STATEMENT

T.C.A. §§ 66-11-101 *et seq.*

LV Reference ID: CSPK7S4YJ6T9

HEREBY NOTIFY:

Property Owner
Capstone Building Corp
1200 Corprate Drive Ste 350
birmingham, AL 77061
MEMPHIS HOUSING AUTHORITY
700 Adams Ave
Memphis, Tennessee 38105

Tenant
Legends Park Senior, LLC
230 Wyoming Avenue
Kingston, Pennsylvania 18704

Prime Contractor
Capstone Building Corp
981 Peach Ave
Memphis, TX 38105

Mortgagee
Requested

Hiring Party: Name and Address of person or entity to whom Lienor furnished labor, services, equipment and/or materials:
HILLCO BUILDING SERVICES LLC
8401 W MONROE RD
HOUSTON, TX 77061

Lienor
SRS Distribution Inc DBA SUPERIOR DISTRIBUTION
3930 Air Park St
Memphis, Tennessee 38118

Services: Services, labor, materials, equipment and/or work provided by the Lienor: Building/Roofing material

First Date the Services were provided to the Property: July 25, 2024

Last Date the Services were provided to the Property: July 25, 2024

Amount Due: Amount due after deducting all just credits and offsets: **$45,780.05**

IMPORTANT INFORMATION ON THE FOLLOWING PAGE(S)

Services were supplied in the improvement and/or construction of the PUBLIC PARK located at the following **Property**:

981 Peach Ave
Memphis, Tennessee 38105

Legal Property Description:
Situated in Shelby County, Tennessee. Parcel ID: 051017 00021; Subdivision Name: LEGENDS PARK PD PH 6; Subdivision Lot No.: 1; Acres: 3.8205; Plat Book and Page: 301-075

The **Lienor**, being first duly sworn, says that, the **Lienor** furnished certain material or performed certain work or labor (above identified as **Services**) in furtherance of improvements to the real property (above-identified as **Property**), in pursuance of a certain contract with the above-identified **Hiring Party**.

The first of the **Services** was performed or furnished is as above-stated, and the last date **Services** were performed or provided is as above-stated. There is justly and truly due the **Lienor** from the **Hiring Party** over and above all legal setoffs, the sum above-identified as the **Amount Due**, plus the cost of recording this Notice of Lien and Sworn Statement, for which the **Lienor** claims a lien under T.C.A. §§ 66-11-101, et seq. on the **Property**, of which the above- identified **Owner** is or was the owner.

Signature of Claimant and Verification

State of Louisiana

County of Orleans

I, Erin Hildebrand, being of lawful age and being first duly sworn upon oath, do say that as the disclosed agent of Claimant herein named, SRS Distribution Inc DBA SUPERIOR DISTRIBUTION, appointed for the express purpose of signing this statement of lien; that I have read the Statement of Lien and know the contents thereof; that to the best of my knowledge, information and belief, the same is true and correct, and made on behalf of the Claimant.

SRS Distribution Inc DBA SUPERIOR DISTRIBUTION
Signed by: Erin Hildebrand
Agent for SRS Distribution Inc DBA SUPERIOR DISTRIBUTION
October 23, 2024

Sworn to and subscribed before me, undersigned Notary Public, on this date: October 23, 2024

Notary Public

Tennessee Certification of Electronic Document

I Erin Hildebrand, do hereby make oath that I am a licensed attorney and/or custodian of the original version of the electronic document tendered for registration herewith and that this electronic document is a true and exact copy of the original document executed and authenticated according to law on October 23, 2024.

Affiant Signature

10/23/24
Date

State of Louisiana

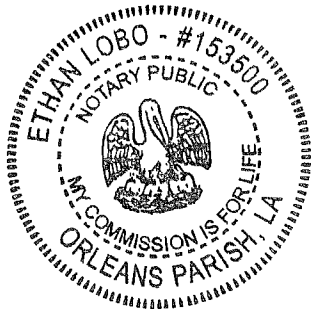
County of Orleans

Sworn to and subscribed before me this 23 day of October, 2024.

Notary's Signature

MY COMMISSION EXPIRES: AT DEATH

NOTARY'S SEAL



Shelby County Tennessee

Willie F. Brooks, Jr.

Shelby County Register

As evidenced by the instrument number shown below, this document has been recorded as a permanent record in the archives of the Office of the Shelby County Register.

24097613

11/13/2024 - 12:02:30 PM

3 PGS	
CEPEDRA 2771659-24097613	
VALUE	0.00
MORTGAGE TAX	0.00
TRANSFER TAX	0.00
RECORDING FEE	15.00
DP FEE	2.00
REGISTER'S FEE	0.00
EFILE FEE	2.00
TOTAL AMOUNT	19.00

WILLIE F. BROOKS JR

REGISTER OF DEEDS SHELBY COUNTY TENNESSEE

1075 Mullins Station, Suite W165 ~ Memphis, Tennessee 38134 (901) 222-8100
Website: http://register.shelby.tn.us Email: register@shelbycountytn.gov

Prepared by: SRS Distribution Inc DBA SUPERIOR DISTRIBUTION
3930 Air Park St, Tennessee
Memphis 38118

SPACE ABOVE FOR RECORDER'S USE

Return to: SRS Distribution Inc DBA SUPERIOR DISTRIBUTION
3930 Air Park St
Memphis, Tennessee 38118

FULL RELEASE OF LIEN

LV Reference ID: V978C9FNXB72

STATE OF TENNESSEE
County of Shelby County

Lien Holder:
SRS Distribution Inc DBA SUPERIOR DISTRIBUTION
3930 Air Park St
Memphis, Tennessee 38118

Property Owner:

Capstone Building Corp
1200 Corprate Drive Ste 350
birmingham, AL 77061

MEMPHIS HOUSING AUTHORITY
700 Adams Ave
Memphis, Tennessee 38105

Property Liened (**Property**):

981 Peach Ave
Memphis, Tennessee 38105

State of Tennessee
County: Shelby County

Situated in Shelby County, Tennessee. Parcel ID: 051017 00021; Subdivision Name: LEGENDS PARK PD PH 6; Subdivision Lot No.: 1; Acres: 3.8205; Plat Book and Page: 301-075

Tenant
Legends Park Senior, LLC
230 Wyoming Avenue
Kingston, Pennsylvania 18704

SIGNATURE AND IMPORTANT INFORMATION ON FOLLOWING PAGE

The Lien:

Recorded: October 24, 2024

Book, Page, Other: 24091663

Amount of Lien: $

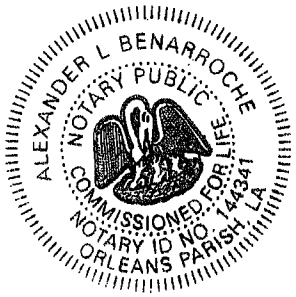
The above-identified LIEN HOLDER, and undersigned, does hereby declare that the LIEN HOLDER filed and recorded a Notice of Lien as above-identified as THE LIEN to secure the indebtedness against THE PROPERTY and the PROPERTY OWNER. A copy of THE LIEN is attached hereto and incorporated herein by reference. The LIEN HOLDER hereby acknowledges that THE LIEN has been released.

Signed November 08, 2024

Signed by: Pressley Reeve
Authorized and Disclosed Agent of
SRS Distribution Inc DBA SUPERIOR DISTRIBUTION

Notary: On this date, November 08, 2024, in the State of Louisiana, County of Orleans, personally came and appeared Pressley Reeve, the disclosed and authorized agent for the Lien Holder, and executed this instrument in the agent's stated capacity, with proper authority from the Lien Holder.

Notary Public



CERTIFICATE OF AUTHENTICITY

I Presley Reese, do hereby make oath that I am a licensed attorney and/or custodian of the original version of the electronic document tendered for registration herewith and that this electronic document is a true and exact copy of the original document executed and authenticated according to law on November 08, 2024.

Affiant Signature

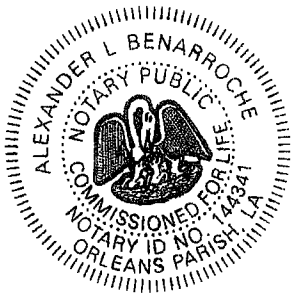
11/8/24
Date

State of Louisiana
County of Orleans

Sworn to and subscribed before me this 8th day of November, 2024.

Notary's Signature

MY COMMISSION EXPIRES: At Death



Shelby County Tennessee

Willie F. Brooks, Jr.

Shelby County Register

As evidenced by the instrument number shown below, this document has been recorded as a permanent record in the archives of the Office of the Shelby County Register.

25039650

05/20/2025 - 02:29:30 PM

3 PGS	
AVA 2834793-25039650	
VALUE	0.00
MORTGAGE TAX	0.00
TRANSFER TAX	0.00
RECORDING FEE	15.00
DP FEE	2.00
REGISTER'S FEE	0.00
EFILE FEE	2.00
TOTAL AMOUNT	19.00

WILLIE F. BROOKS JR

REGISTER OF DEEDS SHELBY COUNTY TENNESSEE

1075 Mullins Station, Suite W165 ~ Memphis, Tennessee 38134 (901) 222-8100
Website: http://register.shelby.tn.us Email: register@shelbycountytn.gov

THIS INSTRUMENT WAS PREPARED BY
AND AFTER RECORDING RETURN TO:

John P. Caddell, Esq.
Berman Indictor LLP
1717 Arch Street, Suite 3301
Philadelphia, PA 19103

NOTICE OF COMPLETION

Legends Park Senior LLC

Name of Owner or Owners of Land

Capstone Building Corp.

Name of person, firm or organization contracted with for the entire job or improvement or demolition/Name of all applicable prime contractor.

LOCATION AND DESCRIPTION OF THE PROPERTY:

Land in Shelby County, Tennessee, being more particularly described as 981 Peach Avenue, as described in that certain Memorandum of Lease recorded as Instrument Number 23088955 in the Register's Office for said County, to which reference is hereby made for a more complete description.

This is improved property/properties commonly known as: Edgeview at Legends Park, 981 Peach Avenue, Memphis, TN.

Date of Completion of the Structure, improvement, or demolition: April 7, 2025

A transfer of ownership of all or part of the real property or an interest therein and encumbrance thereon or a settlement of the claims of parties entitled to the benefits of Title 66, Chapter 11 of the Tennessee Code Annotated will take place not less than thirty (30) days after the date of the recording of this Notice of Completion.

The name and address of the person, firm, or organization to which parties entitled to the benefits of the said law may send notice, is as follows:

Name:	Legends Park Senior LLC
Street Address:	230 Wyoming Avenue
City:	Kingston, PA 18704
	Attn: Timothy I. Heknel
Phone:	267-386-8600

Dated this the 1st day of May, 2025.

John P. Caddell, Attorney

COMMONWEALTH OF PENNSYLVANIA

COUNTY OF PHILADELPHIA

On this the 1st day of May, 2025 before me personally appeared John P. Caddell, to me known (or proved to me on the basis of satisfactory evidence) to be the person who executed the foregoing instrument for the purpose therein contained.

Witness my hand and official seal, this the 1st day of May, 2025.

Notary Public
My Commission Expires:

Commonwealth of Pennsylvania - Notary Seal
DONNA LEE SLAWTER, Notary Public
Philadelphia County
My Commission Expires October 14, 2025
Commission Number 1219060

Tennessee Certification of Electronic Document

I, Stefanie Wielgus, do hereby make oath that I am a licensed attorney and/or the custodian of the original version of the electronic document tendered for registration herewith and that this electronic document is a true and exact copy of the original document executed and authenticated according to law on April 7, 2025 (date of document).

Affiant Signature

May 7, 2025
Date

State of Pennsylvania

County of Montgomery

Sworn to and subscribed before me this 7th day of May, 2025.

Notary's Signature

MY COMMISSION EXPIRES: 9/2/2026

NOTARY'S SEAL

Commonwealth of Pennsylvania - Notary Seal
DANIELLE DeLUZIO, Notary Public
Montgomery County
My Commission Expires September 2, 2026
Commission Number 1037825

Shelby County Tennessee

Willie F. Brooks Jr

Shelby County Register

As evidenced by the instrument number shown below, this document has been recorded as a permanent record in the archives of the Office of the Shelby County Register.

25100713

11/21/2025 - 10:21:56 AM

45 PGS	
JENNIFER 2907158 - 25100713	
VALUE	0.00
MORTGAGE TAX	0.00
TRANSFER TAX	0.00
RECORDING FEE	225.00
DP FEE	2.00
REGISTER'S FEE	0.00
TOTAL AMOUNT	227.00

WILLIE F. BROOKS JR
REGISTER OF DEEDS SHELBY COUNTY TENNESSEE

1075 Mullins Station, Suite W165 ~ Memphis, Tennessee 38134 (901) 222-8100
Website: www.register.shelby.tn.us Email: register@shelbycountytn.gov

This instrument prepared by:

Randall B. Womack
Glankler Brown, PLLC
6000 Poplar Avenue, Suite 400
Memphis, Tennessee 38119

Grantor: MEMPHIS HOUSING AUTHORITY
Division of Remediation Site Number: 79-846S1
Tax Parcel Identification Number: 051017 00021

AMENDED NOTICE OF LAND USE RESTRICTIONS

Notice is hereby given that pursuant to Tennessee Code Annotated Section 68-212-225, the Commissioner of the Tennessee Department of Environment and Conservation ("TDEC") has determined that this land use restriction is an appropriate remedial action at the below-described property for the environmental conditions identified. The Register of Deeds shall record this Notice and index it in the grantor index under the name of the below-referenced Grantor. Tenn. Code Ann. Section 68-212-225(d). The effective date of this Notice of Land Use Restrictions shall be the date upon which the Notice has been recorded with the Register of Deed's Office of Shelby County.

Witnesseth:

WHEREAS, the Grantor, the Memphis Housing Authority is the owner of real property located at 981 Peach Avenue, in Memphis, Shelby County, Tennessee, State of Tennessee, the same being identified as Tax Parcel No. 051017 00021 (the eastern portion of what has historically referred to Tax Parcel No. 051017 00018), and which is more particularly described in Exhibit A, referred to herein as the "Property," and,

WHEREAS, the Property is shown on a survey drawn by Kenneth E. Francis, Jr. (Tennessee Certificate #1567), dated January 3, 2023, attached hereto as Exhibit B and incorporated herein by reference; and

WHEREAS, the Property was included within a larger tract of property that was covered by an existing brownfield voluntary agreement and pursuant to that brownfield voluntary agreement, a notice of land use restrictions was recorded on the larger tract of property (Instrument Number 12005040) filed with the office of the Shelby County Register of Deeds;

WHEREAS, Grantor, also sometimes referred to herein as the "Voluntary Party," on or about October 3, 2023, entered into a Brownfield Voluntary Agreement with TDEC pursuant to Tennessee Code Annotated section 68-212-224 for the purpose of addressing the real or perceived threat of the presence of hazardous substances, solid waste, or other pollutants at the Property; and

WHEREAS, in accordance with work plans approved by TDEC and the terms of the Brownfield Voluntary Agreement for the Property, TDEC has determined that this Notice of Land Use Restrictions is an appropriate remedial action for the protection of human health and the environment for the contamination identified herein, so long as these land use restrictions are instituted and observed for the Property; and,

WHEREAS, the Grantor, for itself and its successors and/or assigns, including without limitation any agents, representatives, contractors, subcontractors, or employees thereof, has agreed to impose certain land use restrictions on the Property as set forth hereinafter and has agreed to comply with, preserve, and maintain these restrictions in perpetuity as described herein. Any person who owns or leases a property subject to land use restrictions under Tennessee Code Annotated Section 68-212-225 shall abide by the restrictions.

NOW, THEREFORE, in consideration of the foregoing, the Grantor hereby declares that the Property should be held, sold, and conveyed subject to the following land use restrictions in place of the existing land use restrictions heretofore in place for the Property:

I. LOCATION OF CONTAMINATION

The Property is located at 981 Peach Avenue, Memphis, Shelby County, Tennessee, and is referred to in the Brownfield Voluntary Agreement as the Peach Avenue/Block A East Site. A survey of the Property was conducted by Kenneth E. Francis, Jr. (Tennessee Certificate #1567), dated January 3, 2023, and is attached as Exhibit B.

A description of environmental conditions existing at the Site appears as part of collective Exhibit C. Also, attached as part of Exhibit C is a site map depicting the location of sampling activities and tables with the results of laboratory analysis.

II. RESTRICTIONS

The Property is hereby released from the operation and effect of that certain Notice of Land Use Restrictions dated January 9, 2012, and recorded in the office of the Shelby County Register of Deeds (Instrument Number 12005040) on or about January 13, 2012.

The purpose of these land use restrictions is to ensure the protection of human health and the environment by preventing certain uses or activities that could result in exposure to contamination present at the Site through direct contact, ingestion, or inhalation. Unless otherwise specified, the following restrictions apply to the entire Property. These restrictions shall run with the land and bind the Grantor, successors, and assigns, including without limitation any agents, representatives, contractors, subcontractors, or employees thereof. The Grantor agrees that the use of Property will be restricted as follows:

Activity Controls

Activities on the Property are prohibited as follows:

- The groundwater beneath the Property shall not be used, accessed, extracted, or otherwise disturbed unless required by a Government agency of competent jurisdiction or otherwise approved by TDEC. This Land Use Restriction prohibits (1) the installation of groundwater wells for any purpose other than environmental monitoring and (2) the installation of groundwater wells intended for use as a potable water source. Any approval granted by TDEC shall be in writing and must contain a reference to this instrument.

Invasive Activity Controls

- The Grantor, its successors, or assigns shall not conduct any soil disturbance activity (including digging, drilling, excavation, grading of the soil) except in accordance with a Soil Management Plan approved by TDEC. This restriction does not include standard maintenance activities such as parking lot, patio, sidewalk, lawn, or drain maintenance or the replacement of any soil coverings (such as parking lots, patios, or sidewalks) provided that such coverings are promptly replaced or restored.

Vapor Mitigation System

- The building constructed at the Property is depicted on the site map attached as Exhibit D. The Grantor, its successors, or assigns shall not begin construction of any new building(s) or expand the footprint of the existing building at the Property without evaluating whether environmental conditions pose a threat of vapor intrusion into the new building(s) or expansion, sharing its findings with TDEC, and receiving TDEC's written approval. If a vapor mitigation system is determined by TDEC to be warranted based upon the data evaluation in order to safely allow occupancy of such impacted building(s) or expansion, construction or expansion of any impacted building(s) is prohibited until such structures are equipped with an appropriate passive or active mitigation system as proposed by the Property owner and approved by TDEC. Such system, either passive or active, shall have associated with it an appropriate period of verification sampling and operation and maintenance performance and reporting, with specific requirements determined by TDEC. No one shall disturb, modify, damage, or remove any vapor mitigation features at any structure at the Property unless approved in advance by TDEC and pursuant to a TDEC-approved work plan. Any approval granted by TDEC shall be in writing and must contain a reference to this instrument.

  The Grantor, its successors, or assigns shall be responsible for any costs incurred by TDEC and related to: 1) its review and oversight of work associated with the evaluation of whether environmental conditions pose a threat of vapor intrusion into any new building or expansion of any existing building; 2) its review and approval of any proposal for a vapor mitigation system; and 3) its work and oversight during any period of verification sampling and Operation and Maintenance performance and reporting,

III. GENERAL PROVISIONS

1. Access by the Department

The Property meets the definition of an inactive hazardous substance site or brownfield project as they are defined in Tennessee Code Annotated Section 68-212-202(a). In addition to any rights already possessed by the Department for access, this Notice of Land Use Restriction grants TDEC a right of reasonable access of the Property in connection with implementation or enforcement of this Notice of Land Use Restriction.

2. Compliance Enforcement

Any owner of the Property or any unit of local government having jurisdiction over any part of the Property may enforce this Notice of Land Use Restrictions by means of a civil action. The Commissioner of TDEC may enforce this Notice of Land Use Restrictions through the issuance of an Administrative Order or by means of a civil action, including one to obtain an injunction against present or threatened violations of the restriction. Any person who fails, neglects, or refuses to comply with a land use restriction commits a Class B misdemeanor and is subject to the assessment of a civil penalty of up to ten thousand dollars ($10,000) per day. Tenn. Code Ann. § 68-212-213. Nothing in this Notice of Land Use Restrictions shall restrict the Commissioner of TDEC from exercising any authority under applicable law.

3. Written Notice of the Presence of Contamination

The Grantor, its successors, or assigns agrees to include in any instrument conveying any interest in the Property or any portion thereof, including but not limited to deeds, leases, and subleases (excluding mortgages, liens, similar financing interests, and other non-possessory encumbrances), the following notice provision (with blanks to be filled in):

NOTICE: THE INTEREST CONVEYED HEREBY IS SUBJECT TO A NOTICE OF LAND USE RESTRICTIONS RECORDED IN THE REGISTERS OFFICE OF SHELBY COUNTY ON _____, 2025, INSTRUMENT NUMBER _____.

4. Written Notice of Conveyance of Property

The Grantor, its successor, or assigns agrees to provide notice to TDEC of any conveyance (voluntary or involuntary) of any ownership interest or any conveyance of any leasehold interest in the Property (excluding mortgages, liens, similar financing interests, and other non-possessory encumbrances). The Grantor, its successor, or assigns must provide TDEC with the notice within 30 days of the conveyance and include the name and business address of the transferee. The term "Transferee", as used in this Notice of Land Use Restrictions, shall mean any future owner of any possessory interest in the Property or any portion thereof, including, but not limited to, owners of an interest in fee simple, easement holders, or lessees. This notice shall not be required for individual conveyances if there is

a management company or homeowners association (HOA) that is responsible for complying with this Notice of Land Use Restrictions.

By taking title to an interest in or occupancy of the Property, any subsequent owner, lessee, or other party is required to comply with all the restrictions set forth in this Notice of Land Use Restrictions as required by Tenn. Code Ann. Section 68-212-225(f), unless otherwise exempted by applicable law.

5. Term

This Notice of Land Use Restrictions shall run with and bind the Property and shall be binding upon all parties having right, title, or interest in the Property or any part thereof, their heirs, successors, assigns, grantees, and lessees unless this Notice of Land Use Restrictions is made less stringent or canceled as set forth under the paragraph entitled "Amendment and Termination."

6. Amendment and Termination

After public notice and an opportunity for public input as provided in Tennessee Code Annotated Section 68-212-225(e), this Notice of Land Use Restrictions may be made less stringent or canceled by the Commissioner of TDEC where the risk has been eliminated or reduced so that less restrictive land use controls are protective of human health and the environment.

The Grantor, its successors, or assigns may request that TDEC approve a modification or termination of the Notice of Land Use Restrictions. The request shall contain information demonstrating the proposed modification or termination shall, if implemented, protect human health and the environment. TDEC shall review any submitted information and may request additional information. Information to support a request for modification or termination may include one or more of the following:

a) a proposal to perform additional remedial work;
b) new information regarding the risks posed by the residual contamination;
c) information demonstrating that contamination identified in this Notice of Land Use Restrictions has diminished;
d) information demonstrating that an engineered feature or structure is no longer necessary;
e) information demonstrating that the proposed modification would not adversely impact the remedy and is protective of human health and the environment; or
f) other appropriate supporting information.

The Grantor, its successors, or assigns seeking approval of other land uses or to cancel or make a land use restriction incorporated herein less stringent shall be responsible for any costs incurred by TDEC in the review and oversight of work associated with the restriction modification.

7. If the Grantor, its successors, or assigns fail comply with this Notice of Land Use Restrictions, and the Department, in its sole discretion, determines that such default is curable, the Department shall provide the Grantor, its successors, or assigns written notice of the default and a period of at least 30 days for the Grantor, its successors, or assigns, or any third party with authority to act on behalf of or in the place of such the Grantor, its successors, or assigns, to cure the default. The Grantor, its successors, or assigns agree that the Department is not required to provide notice and opportunity to cure for successive or repeated defaults, or if the Department determines, it its sole discretion, that a default poses an imminent, substantial danger to the public health or safety, or to the environment. The Department shall not be deemed to have waived any rights or remedies available at law or under this Notice of Land Use Restrictions by providing the opportunity to cure any default.

8. Severability

   Invalidation of any of these covenants or restrictions by judgement or court order shall in no way affect any other provisions, which shall remain in full force and effect.

   The administrative record for the Property referenced in this Notice of Land Use Restrictions is maintained by the Tennessee Department of Environment and Conservation, Division of Remediation. For further information concerning the Property refer to Site Number 79-846S1.

[TDEC approval and Grantor signature pages follow]

Real property described as follows in Exhibit A attached to this Notice of Land Use Restrictions (currently identified as tax parcel number 051017 00021).

This Notice of Land Use Restrictions has been reviewed and approved by the Tennessee Department of Environment and Conservation, Division of Remediation

Name: James S. Sanders
Title: Director

STATE OF TENNESSEE)
COUNTY OF DAVIDSON)

Personally appeared before me, the undersigned, Notary Public having authority within the aforesaid State, James S. Sanders, with whom I am personally acquainted, and who acknowledged that he executed the within instrument for the purposes therein contained, and who further acknowledged that he is the Director of the Division of Remediation and is authorized to execute this instrument on behalf of the Department.

WITNESS my hand, at office, this 12th day of November, 2025.

Rachel Meredith

Notary Public

My Commission Expires: April 23, 2029
Name: Rachel Meredith

Approved as to form and legality:

Payton Bradford
Office of General Counsel

RACHEL MEREDITH
STATE OF TENNESSEE NOTARY PUBLIC
COUNTY OF DICKSON

IN WITNESS WHEREOF, the undersigned has executed this instrument this _____ day of November, 2025.

MEMPHIS HOUSING AUTHORITY

By: _____

Printed Name: Dexter Washington

Title: Chief Executive Officer

STATE OF TENNESSEE)
COUNTY OF SHELBY)

Personally appeared before me, the undersigned Notary Public having authority within the aforesaid State, Tennessee, with whom I am personally acquainted (or proved to me on the basis of satisfactory evidence), and who, upon oath, acknowledged such person to be the Chief Executive Officer of the Memphis Housing Authority the within named Grantor, a corporation, and that such person executed this instrument for the purposes herein contained, by signing the name of the corporation by such person as Dexter Demre Washington

WITNESS, this 13th day of November, 2025.

_____ _____
Notary Public Commission Expiration

February 14. 2029

STEPHANIE D BOBO
STATE OF TENNESSEE NOTARY PUBLIC
COUNTY OF SHELBY
My Commission Expires 02/14/2029

EXHIBIT A

NOTICE OF LAND USE RESTRICTIONS

LEGAL DESCRIPTION

All that certain lot or parcel of land situate in the County of Shelby, State of Tennessee, and being more particularly described as follows:

SAID LAND BEING a part of Block "A" Plat Book 249, Page 31, Shelby County, Tennessee Records, and being more particularly described as follows:

A tract of land situated in Memphis, Shelby County, Tennessee being part of the Memphis Housing Authority property of record in Book 3094, Page 267 and being part of Block A of Legends Park Planned Development of record in Plat Book 240, Page 6 in the Shelby County Register's Office and being more particularly described as follows:

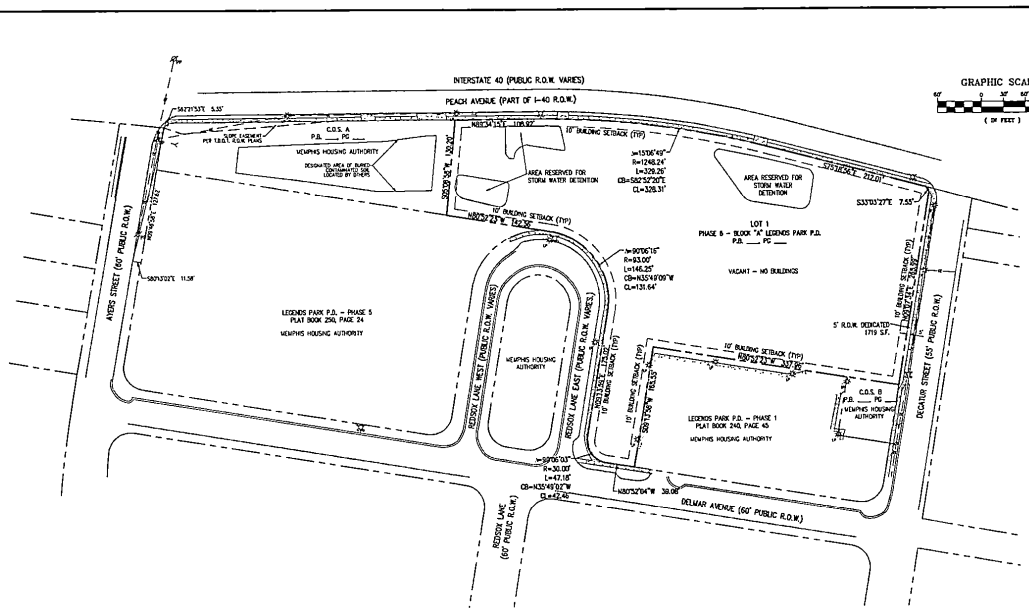
BEGINNING at a point in the proposed west line of Decatur Street (55' R.O.W.) being 5.08 feet southwardly from the extension of Peach Avenue (part of Interstate 40 – R.O.W. varies); thence South 09 degrees 07 minutes 34 seconds West along said west line a distance of 265.99 feet to a point; thence North 80 degrees 52 minutes 23 seconds West a distance of 337.96 feet to a point; thence South 09 degrees 13 minutes 58 seconds West a distance of 165.55 feet to a point in the north line of Delmar Avenue (60' R.O.W.); thence North 80 degrees 52 minutes 04 seconds West along said north line a distance of 39.08 feet to a point of curvature; thence northwestwardly along a curve to the right having a radius of 30.00 feet, a central angle of 90 degrees 06 minutes 03 seconds, a chord bearing of North 35 degrees 49 minutes 02 seconds West, a chord distance of 42.46 feet, a distance along its arc of 47.18 feet to a point of tangency in the east line of Red Sox Lane East (50' R.O.W).; thence North 09 degrees 13 minutes 59 seconds East along said east line a distance of 175.02 feet to a point of curvature; thence northwestwardly along said east line and along a curve to the left having a radius of 93.00 feet, a central angle of 90 degrees 06 minutes 16 seconds, a chord bearing of North 35 degrees 49 minutes 09 seconds West, a chord distance of 131.64 feet, a distance along its arc of 146.25 feet to a point of tangency; thence North 80 degrees 52 minutes 23 seconds West a distance of 142.56 feet to a point; thence North 05 degrees 08 minutes 58 seconds East a distance of 130.20 feet to a point in the south line of said Peach Avenue; thence North 89 degrees 34 minutes 15 seconds East along said south line a distance of 108.92 feet to a point of curvature; thence eastwardly along said south line and along a curve to the right having a radius of 1248.24 feet, a central angle of 15 degrees 06 minutes 49 seconds, a chord bearing of South 82 degrees 52 minutes 20 seconds East, a chord distance of 328.31 feet, a distance along its arc of 329.26 feet to a point of tangency; thence South 75 degrees 18

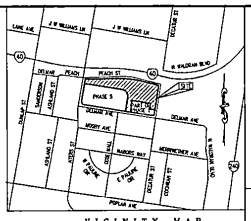
minutes 56 seconds East along said south line a distance of 212.01 feet to a point; thence South 33 degrees 03 minutes 27 seconds East a distance of 7.55 feet to the POINT OF BEGINNING and containing 166,421 square feet or 3.820 acres of land, more or less.

EXHIBIT B

NOTICE OF LAND USE RESTRICTIONS

SURVEY





LEGEND

CONC	CONCRETE
C.O.S.	COMMON OPEN SPACE
INST.	INSTRUMENT
MH	MANHOLE
MAX	MAXIMUM
MS	MARKER
P.B.	PLAT BOOK
PG	PAGE
P.O.B.	POINT OF BEGINNING
R.O.W.	RIGHT-OF-WAY
SQ. FT.	SQUARE FEET

PROPERTY LINE
CHAIN LINK FENCE
CONCRETE CURB AND GUTTER
CONCRETE

RECORD DESCRIPTION

Lot 1, Phase 6 - Block "A" Legends Park P.D. of record in Plat Book ___ Page ___ in the Shelby County Register's Office, to which plat reference is hereby made for a more particular description of said property.

ZONING DATA

Zoning information to be provided by Insurer.

PLAT REFERENCE NOTE

THE BUILDING SETBACK LINES, STORM WATER DETENTION AREAS, AND EASEMENTS SHOWN HEREON WERE DEDICATED BY PLAT OF RECORD IN PLAT BOOK ___ PAGE ___ IN THE SHELBY COUNTY REGISTER'S OFFICE UNLESS OTHERWISE SHOWN.

SCHEDULE B - PART II NOTES

13. Matters appearing on Plat at Book 240, Page 31 in the Shelby County Register's Office, Shelby County, Tennessee affect the subject property by dedicating the right-of-way for Legends Row and creating the right-of-way for Redox Lane.

14. Matters appearing on Plat of Book 240, Page 6 in the Shelby County Register's Office, Shelby County, Tennessee affect the subject property. The minimum setback lines shown hereon were established by said plat.

15. Matters appearing on Plat at Book 250, Page 24 in the Shelby County Register's Office, Shelby County, Tennessee do not affect the subject property.

16. Matters appearing on Plat at Book 239, Page 35 in the Shelby County Register's Office, Shelby County, Tennessee do not affect the subject property.

17. Reciprocal Easement Agreement of record as Instrument No. 08115218 as amended by that certain First Amendment of record as Instrument No. 08140501, as affected by that certain Second Amendment of record as Instrument No. 10097967, as affected by that certain Third Amendment of record as Instrument No. 11111904, as affected that certain Fourth Amendment of record as Instrument No. 12143715 in the Shelby County Register's Office, Shelby County, Tennessee affects the subject property is not a plottable matter.

18. Declaration of Trust (Grant) Projects of record in Instrument Nos. 6H8752, CJ7792, as re-recorded at CM9304 and CJ7763 as re-record in CM3305 in the Shelby County Register's Office, Shelby County, Tennessee affect the subject property and are not plottable matters.

19. Regulatory and Operating Agreement of record in Instrument No. 08115217 in the Shelby County Register's Office, Shelby County, Tennessee affects the subject property and is not a plottable matter.

20. Easement for street purposes from the United States of America to the City of Memphis of record in Book 1533, Page 510 in the Shelby County Register's Office, Shelby County, Tennessee affects the subject property in that it created a portion of the right-of-way of Delmar Avenue.

21. Uniform Gas and Water Easement of record in Book 3241, Page 325 in the Shelby County Register's Office, Shelby County, Tennessee does not affect the subject property and is not shown.

22. Easement Contract of record in Book 3623, Page 17 in the Shelby County Register's Office, Shelby County, Tennessee does not affect the subject property and is not shown.

23. Easement Contract of record in Book 6009, Page 173 in the Shelby County Register's Office, Shelby County, Tennessee does not affect the subject property and is not shown.

24. Lack of direct access to a controlled highway (Interstate 40). Peach Avenue is located in Interstate 40 right-of-way.

25. Partial Release from Declaration of Trust of record in Instrument No. 22107422 in the Shelby County Register's Office, Shelby County, Tennessee does not affect the subject property.

26. Notice of Land Use Restrictions of record in Instrument No. 12005040 in the Shelby County Register's Office, Shelby County, Tennessee affect the subject property. A Designated area of buried contaminated soil shown on Exhibit D was located and flagged by others and is located as shown on C.O.S. A.

MISCELANEOUS NOTES:

1. Survey prepared for Powrose.
2. Bearings are relative to Tennessee State Plane Coordinates (NAD83).
3. Property is in the name of Memphis Housing Authority.
4. Property is vacant and there is no visible address.
5. This survey was prepared from the information provided in Commitment for Title Insurance by First American Title Insurance Company Commitment Number No. TNFA21-7520 with an effective date of December 28, 2022.
6. The subject property has access to a dedicated public right-of-way.
7. There is no visible evidence of cemeteries on the property.
8. There is no evidence of earth moving work or building construction within recent months.
9. There is no evidence of recent street or sidewalk construction. There are no proposed changes in street lines either completed or proposed by and available from the controlling jurisdiction.
10. There is no visible evidence of the site being used as a solid waste dump, sump or sanitary landfill.
11. At the time of the field survey there was no indication of wetlands delineated by the appropriate authorities. The surveyor did not perform an inspection for wetlands and makes no certification as to the existence or absence of wetlands on the site.
12. All utilities, drain lines and sewer lines are located from available records and field locations of above ground visible evidence only.
13. By map scaling and graphic plotting only the subject property is not located in a Special Flood Hazard Area (shaded) per Flood Insurance Rate Map No. 47157C0270 F with a revised date of September 28, 2007. Property is located in Zone X.
14. There may be underground or non-visible utilities, drain lines or sewer lines across this property that are not shown. The appropriate utility companies should be contacted for more specific locations and information on underground utilities.
15. Subsurface and environmental conditions were not examined or considered as part of this survey.
16. Governmental jurisdictional areas, if any, which might impact the use of the premises were not located. No liability is assumed by the undersigned for any loss resulting from the exercise of any government jurisdiction affecting the use of the premises.

SURVEYOR'S CERTIFICATE

To: First American Title Insurance Company

This is to certify that this map or plat and the survey on which it is based were made in accordance with the 2021 Minimum Standard Detail Requirements for ALTA/NSPS Land Title Surveys, jointly established and adopted by ALTA and NSPS, and includes Items 1, 2, 3, 4, 6(a)(b), 7(c)(i)(ii)(a), 8, 9, 11(b), 13, 14, 15, 17, 18, and 19 of Table A thereof.

The field work was completed on February 19, 2021.

Date of Plat or Map: January 03, 2023

Kenneth E. Francis, Jr., R.L.S.
Tennessee Certificate Number 1597
Barge Waggoner Sumner & Cannon, Inc.
email: Ken.Francis@bargedesign.com

GROSS AREA: 166,421 SQ. FT./ 3.820 ACRES

BARGE DESIGN SOLUTIONS
50 Germantown Court | Suite 100 | Memphis, Tennessee 38018
PHONE: (901) 754-7181 | FAX: (901) 755-7944

ALTA/NSPS LAND TITLE SURVEY
MEMPHIS HOUSING AUTHORITY
LOT 1 - PHASE 6 - BLOCK "A" LEGENDS PARK P.D.
NORTH OF DELMAR AVENUE BETWEEN AYERS STREET AND DECATUR STREET
MEMPHIS, SHELBY COUNTY, TENNESSEE

DR.	CHK.	DATE	DESCRIPTION
KEF		01/12/23	PRELIMINARY - FOR TITLE REVIEW

SHEET 1 OF 1
FILE NO. 3732502

EXHIBIT C

NOTICE OF LAND USE RESTRICTIONS

DESCRIPTION OF ENVIRONMENTAL CONDITIONS

Several environmental consultants have performed environmental assessment activities in association with the redevelopment of the former Dixie Homes site by and on behalf of the Memphis Housing Authority. Environmental assessment activities in that time frame also included environmental assessment activities at the Property. Environmental conditions identified during the older environmental assessment activities and environmental assessment activities conducted by EnSafe in 2022 and 2023 are detailed below.

In October and November 2007, Hess Environmental Services conducted soil sampling across the Former Dixie Homes redevelopment site, which included the Property. Soil samples were analyzed for asbestos, lead, polynuclear aromatic hydrocarbons (PAHs), Resource Conservation and Recovery Act (RCRA) 8 Metals, hexavalent chromium, and volatile organic compounds (VOCs). The results of the laboratory analysis for the Property are found in the tables excerpted from the Hess report and attached hereto. Data related to other parcels at Legends Park are redacted. Three (3) soil samples had detections of asbestos:

Chrysotile Detections

Detected %	Borings:	Sample ID
3%	334	576
2%	336	578
<1%	340	584

Asbestos was not detected in other samples collected at the Property. Lead was detected in all six composite soil samples at the Property, but did not exceed its U.S. EPA residential regional screening level (RSL) of 200 milligrams per kilogram (mg/kg).

Acenaphthene, acenaphthylene, anthracene, benzo(a)anthracene, benzo(a)pyrene, benzo(b)fluoranthene, benzo(g,h,i)perylene, benzo(k)fluoranthene, chrysene, dibenzo (a,h)anthracene, fluoranthene, fluorene, indeno(1,2,3-cd)pyrene, 2-methylnaphthalene, naphthalene, phenanthrene, and pyrene were detected in soil. Only one PAH, benzo(a)pyrene, exceeded its residential U.S. EPA regional screening level of 0.11 mg/kg in five (5) of six (6) composite soil samples collected for PAH analysis. Detected concentrations, Boring IDs, and Sample IDs are listed below.

Benzo(a)Pyrene Exceedances of Residential RSL:

Detected Concentration (mg/kg)	Borings	Sample ID
0.163	333 to 336	20071009 579
0.627	337-340	20071009 585
0.187	341-344	20071009 594

0.257	345 to 348	20071010 602
0.219	357 to 360	20071109 621

Notes:
RSL Regional Screening Level
mg/kg milligrams per kilogram or parts per million
Residential RSL is 0.11 mg/kg
Industrial RSL is 2.1 mg/kg

Benzo(a)pyrene did not exceed the residential screening level of 0.11 mg/kg in the sample collected for SVOC analysis (Borings 353 to 356; Sample ID 20071109 615). Acetone, benzene, ethylbenzene, toluene, 1,2,4-trimethylbenzene, 1,3,4-trimethylbenzene, m,p-xylene, and o-xylene were detected.

VOCs were below their residential RSLs.

Arsenic, barium, cadmium, chromium, lead, and mercury were detected in soil at the Property. Arsenic (8.56 mg/kg at Borings 353-356 (Sample ID 20071109 616) was above its residential (0.68 mg/kg) and industrial RSL (3 mg/kg) but was detected below its current literature-based background concentration (20 mg/kg) recognized by the Division of Remediation.

See the Results of Comprehensive Soil Sampling, Dixie Homes Public Housing, TN1-5 and TN1-9, HES Project No. 1539.T52 Memphis, Tennessee, prepared by Hess Environmental Services, Inc., dated January 7, 2008. Excerpted figures and tables from the report are attached.

In December 2022, EnSafe performed a Phase II environmental site assessment at the Subject Property. Soil, groundwater, and soil gas samples were collected. Soil and groundwater samples were analyzed for VOCs, PAHs, RCRA 8 metals, and EPH. Soil gas was analyzed using EPA Method TO-15.

Ten (10) soil samples were collected from five (5) borings at the Property. Arsenic, barium, cadmium, chromium, lead, mercury, and silver were the metals detected. The detected concentrations in soil are presented in the excerpted Table 1. Arsenic [As] and chromium [Cr] concentrations in soil were above residential (0.68 mg/kg [As]; 0.3 mg/kg [Cr]) and/or industrial (3 mg/kg [As]; 6.3 mg/kg [Cr]) RSLs in all ten (10) soil samples. Arsenic was below the current Tennessee background concentration (20 mg/kg) recognized by the Division of Remediation in all soil samples. Chromium exceeded the Tennessee background concentration (20 mg/kg) recognized by the Division of Remediation in three (3) soil samples (20.2 mg/kg at SB02 (28 to 32 feet bgs); 26.3 mg/kg (24 to 28 feet bgs); and 23 mg/kg at SB04 (28 to 32 feet bgs); however, Tennessee background concentrations are based on a statistical study of naturally occurring metals concentrations sampled throughout the state of Tennessee and are established by concentrations within the 75 percent quartile. Detected concentrations of chromium in soil sampled at the Site are not statistically higher than Tennessee background concentrations.

Acetone, benzene, n-butylbenzene, ethylbenzene, isopropylbenzene, methyl ethyl ketone, toluene, 1,2,4-trimethylbenzene, m,p-xylene, o-xylene, and xylene (Total) were detected and were below their residential RSLs.

Acenaphthene, acenaphthylene, anthracene, benzo(a)anthracene, benzo(a)pyrene, benzo(b)fluoranthene, benzo(g,h, i)perylene, benzo(k)fluoranthene, chrysene, dibenzo(a,h)anthracene, fluoranthene, fluorene, indeno(1,2,3-cd)pyrene, 2-methylnaphthalene, naphthalene, phenanthrene, and pyrene were detected in soil. Only benzo(a)pyrene (0.126 mg/kg) exceeded its residential U.S. EPA RSL of 0.11 mg/kg in soil sampled from 4 to 8 feet bgs at SB02.

Diesel range organics, oil range organics, and extractable petroleum hydrocarbons (total) were detected in soil but did not exceed the Tennessee Department of Environment and Conservation Division of Underground Storage Tank (DUST) initial screening level (ISL) of 500 mg/kg for extractable petroleum hydrocarbons.

The five (5) borings were completed as temporary monitoring wells, and groundwater was sampled. Barium, selenium, acetone, toluene, acenaphthene, 1-methylnaphthalene, naphthalene, diesel range organics, oil range organics, and extractable petroleum hydrocarbons (Total) were detected in the five (5) groundwater samples collected. The results of the laboratory analysis of the groundwater samples are found in excerpted Table 2. None of the detections exceeded their U.S. EPA maximum contaminant level or regional screening level for tap water.

Five (5) soil gas samples were collected and analyzed using TO-15 across the Property. The results of the laboratory analysis of the soil gas samples are found in excerpted Table 3. Acetone, benzene, bromodichloromethane, 1,3-butadiene, carbon tetrachloride, chloroform, chloromethane, cyclohexane, 1,4-dichlorobenzene, dichlorodifluoromethane, ethylbenzene, n-heptane, n-hexane, 2-hexanone, isopropanol, methyl ethyl ketone, methyl-tert-butyl ether, methylene chloride, naphthalene, tetrachloroethene, toluene, 1,1,2-trichlorotrifluoroethane, 1,2,4-trimethylbenzene, 1,3,5-trimethylbenzene, and xylene (total) were detected. Benzene (13.8 micrograms per cubic meter) exceeded its residential VISL of 12 micrograms per cubic meter, and naphthalene (26.8 micrograms per cubic meter) exceeded its residential (2.7 micrograms per cubic meter) and commercial (12 micrograms per kilogram) VISLs in soil gas at SG01. Elevated concentrations of VOCs in soil gas and the risk thresholds indicate that vapor mitigation should be considered for future development within the sample area of SG-01. SG01 is in the southeast corner of the Property and is not in the area of the building constructed during redevelopment activities. See the Phase II Environmental Site Assessment Report, prepared by EnSafe Inc. (December 30, 2021).

In March 2023, EnSafe performed soil sampling to ensure asbestos and lead did not remain on site. This report summarizes the laboratory results for soil samples collected for lead and asbestos analysis. Sample locations are shown in the excerpted Figure 1. The results of the laboratory analysis of the soil samples are found in excerpted Table 1. Lead

was below its residential RSL in all soil samples collected. Asbestos was not detected in all the soil samples. See Lead and Asbestos Sampling Report, Edgeview at Legends Park (Block A), 945 Peach Avenue, Memphis, Tennessee 38105 TDEC DoR Site ID: 79-846, prepared by EnSafe Inc. (March 27, 2023).

In March 2023, EnSafe performed soil gas sampling within the planned building footprint and analyzed the samples using EPA Method TO-15. Sample locations are shown on Figure 1. The results of the laboratory analysis of the soil gas samples are found in excerpted Table 1. The following contaminants were detected in soil gas and remain onsite: acetone, benzene, carbon disulfide, chloromethane, cyclohexane, dichlorodifluoromethane, ethanol, ethylbenzene, heptane, n-hexane, 2-hexanone, isopropanol, methyl ethyl ketone, methyl isobutyl ketone, methylene chloride, propene, tetrahydrofuran, toluene, trichlorofluoromethane, 1,2,4-trimethylbenzene, 1,3,5-trimethylbenzene, total xylenes, m&p-xylene, o-xylene, and 4-ethyltoluene. The laboratory results were evaluated using EPA's vapor intrusion screening level (VISL) .calculator. All locations were below 10X-6 for carcinogenic risk and were below a hazard quotient of 0.1; therefore, vapor mitigation was not required for the building based on conditions at the Property. See Soil-Gas Sampling Report, Edgeview at Legends Park (Block A), 945 Peach Avenue, Memphis, Tennessee 38105 TDEC DoR Site ID: 79-846 dated March 27, 2023.

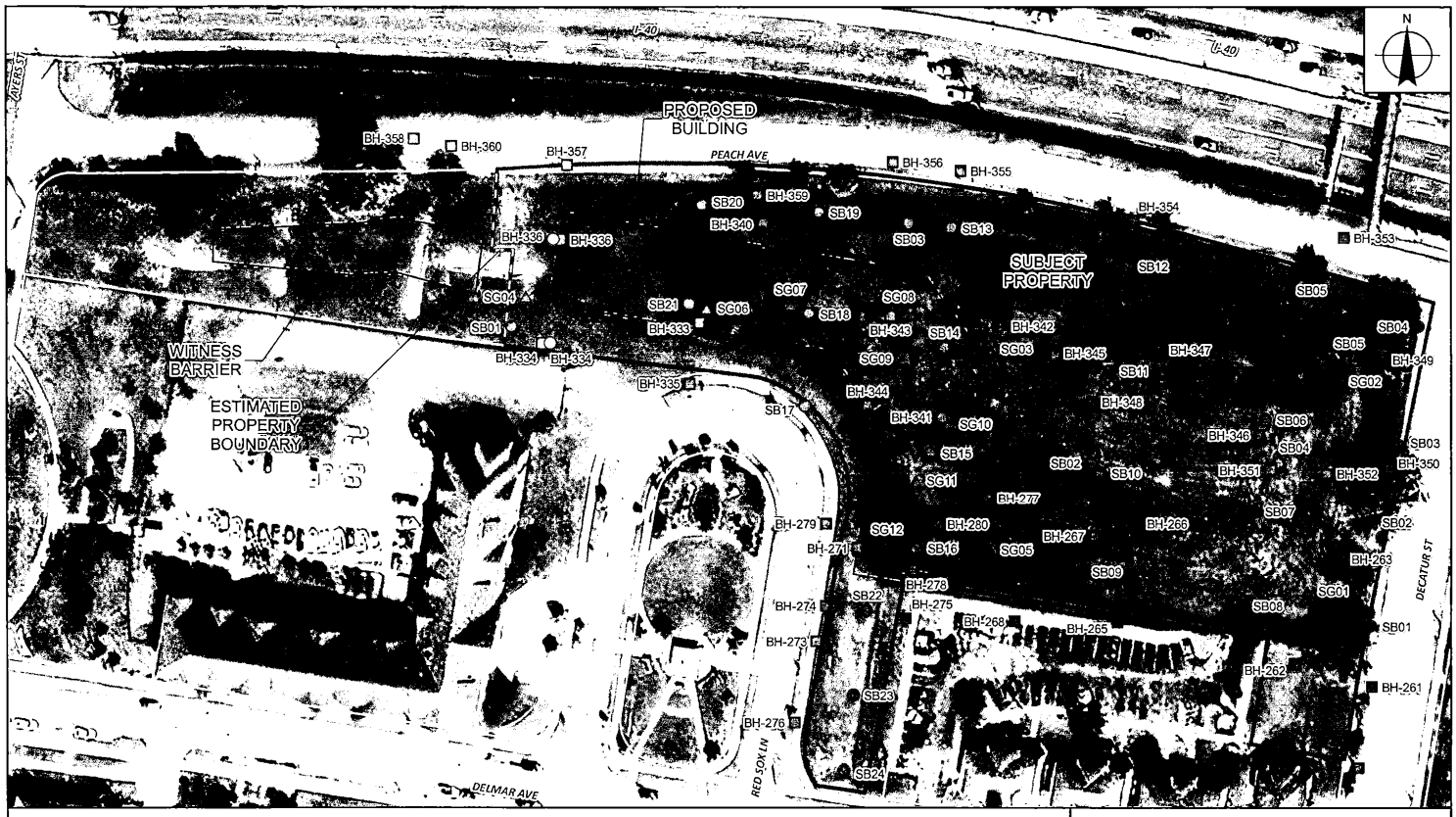
In April 2023, EnSafe performed surface soil sampling to determine if VOCs, PAHs, and RCRA 8 metals remained in soil at the Site. Concentrations of chromium exceeded the background of 20 mg/kg at one location (SB28). PAH results were assessed as benzo(a)pyrene equivalency (BEQ), which was compared to the TDEC DOR residential soil screening value (1.15 mg/kg). The BEQ results were below the residential screening value for all soil samples, except SB25 from 0 to 1-foot bgs, and SB42 from 0 to 1-foot bgs and from 1 to 3 feet bgs. VOCs did not exceed their EPA regional screening levels. Detected concentrations in surface soil are shown in excerpted Table 1 and shown on excerpted Figure 2. For additional details, please review the report titled *Soil Sampling for Volatile Organic Compounds, Polycyclic Aromatic Hydrocarbons, and Metals, Edgeview at Legends Park, Legends Park, Block A, Memphis, Tennessee 38105 TDEC DoR Site ID: 79-846 dated May 15, 2023.*

Based on the analytical results, soil excavations were conducted at three areas:

- SB25: Removal of PAH-impacted soil and elevated soil gas at the identified impacted location SB25/SG01.
- SB28: Removal of chromium-impacted soil at identified location SB28.
- SB42: Removal of PAH-impacted soil at identified location SB42.

Soil samples were collected before the excavations were initiated to confirm the extent of the impacted soil. Detected concentrations in soil at the excavation boundary are summarized in excerpted Table 7 and shown in excerpted Figure 3. Onsite soil was reworked to fill the excavations. For additional details, please review the report titled *Soil Excavation Report, Edgeview at Legends Park, Legends Park, Block A, Memphis, Tennessee 38105 TDEC DoR Site ID: 79-846A dated October 17, 2025.*

SITE MAP AND TABLES
DEPICTING THE LOCATION OF ENVIRONMENTAL CONDITIONS



LEGEND

- △ SOIL GAS LOCATION
- ○ SOIL SAMPLE
- □ COMPOSITE SAMPLE
- SURROUNDING PARCELS
- SUBJECT PROPERTY/REDUCED PARCEL BOUNDARY

Samples collected in 2008 (Hess), 2021 (EnSafe), and 2023 (EnSafe).

NAD 1983 STATE PLANE TENNESSEE FEET

0 55 110

SCALE IN FEET

FIGURE 1
SAMPLE LOCATION MAP
EDGEVIEW AT LEGENDS PARK, BLOCK A
MEMPHIS, TENNESSEE

REQUESTED BY:	AH
DRAWN BY:	NR
DATE:	4/14/2023
PROJECT:	0888833486

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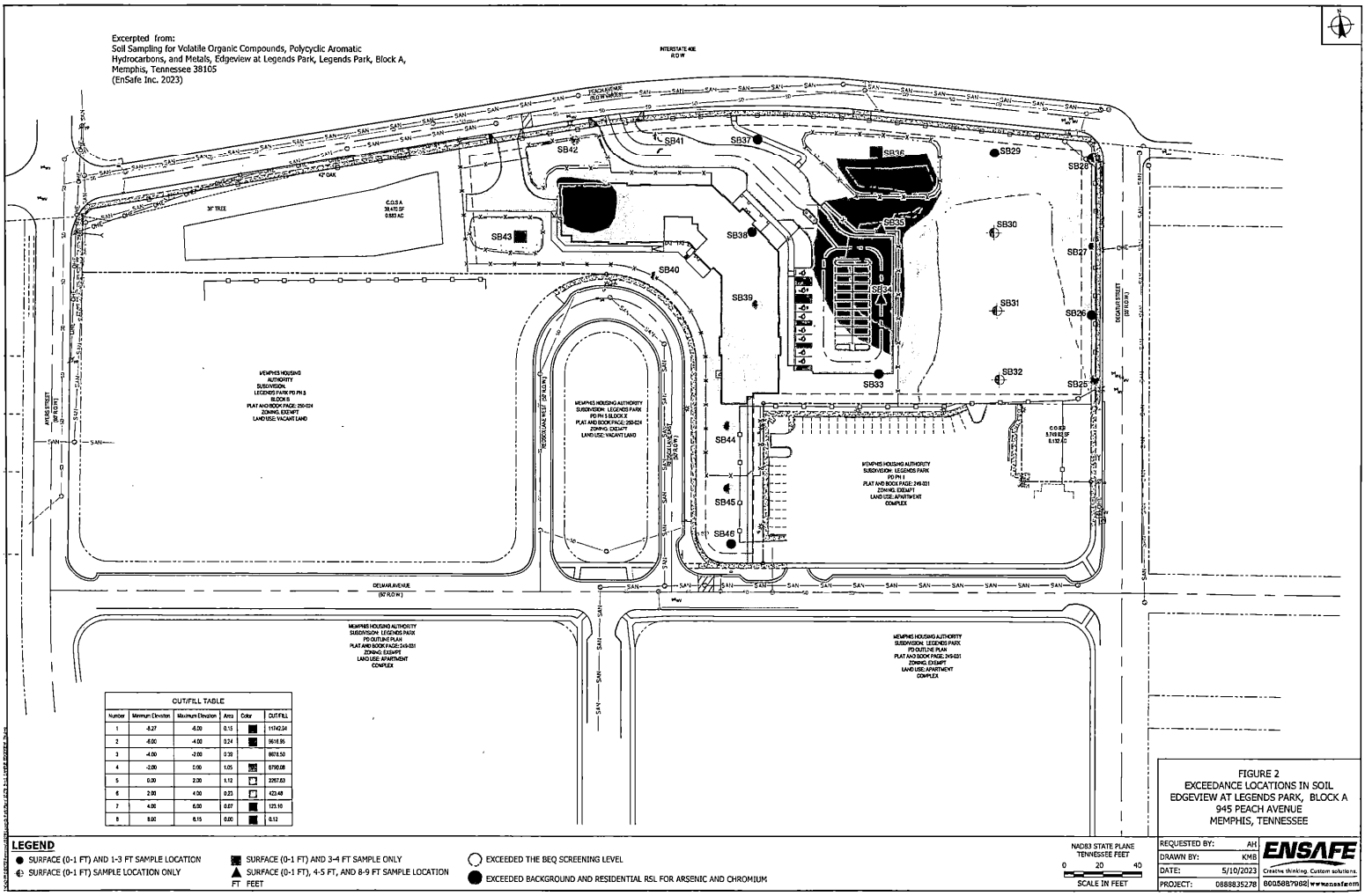
Source: Esri, Maxar, Earthstar Geographics, and the GIS User Community

X:\LegendPark\Fig1_SampleLocationMap.mxd



CUT/FILL TABLE

Number	Minimum Elevation	Maximum Elevation	Area	Color	CUT/FILL
1	-8.27	-8.00	0.15		11742.34
2	-8.00	-4.00	0.24		9616.95
3	-4.00	-2.00	0.39		8978.50
4	-2.00	0.00	1.05		8790.08
5	0.00	2.00	1.12		2267.63
6	2.00	4.00	0.23		423.48
7	4.00	6.00	0.07		125.10
8	6.00	8.15	0.00		0.12

LEGEND

- SURFACE (0-1 FT) AND 1-3 FT SAMPLE LOCATION
- SURFACE (0-1 FT) SAMPLE LOCATION ONLY
- SURFACE (0-1 FT) AND 3-4 FT SAMPLE ONLY
- SURFACE (0-1 FT), 4-5 FT, AND 8-9 FT SAMPLE LOCATION
- EXCEEDED THE BEQ SCREENING LEVEL
- EXCEEDED BACKGROUND AND RESIDENTIAL RSL FOR ARSENIC AND CHROMIUM

FT FEET

NAD83 STATE PLANE TENNESSEE FEET

0 20 40

SCALE IN FEET

FIGURE 2
EXCEEDANCE LOCATIONS IN SOIL
EDGEVIEW AT LEGENDS PARK, BLOCK A
945 PEACH AVENUE
MEMPHIS, TENNESSEE

REQUESTED BY:	AH
DRAWN BY:	KMB
DATE:	5/10/2023
PROJECT:	0888835278

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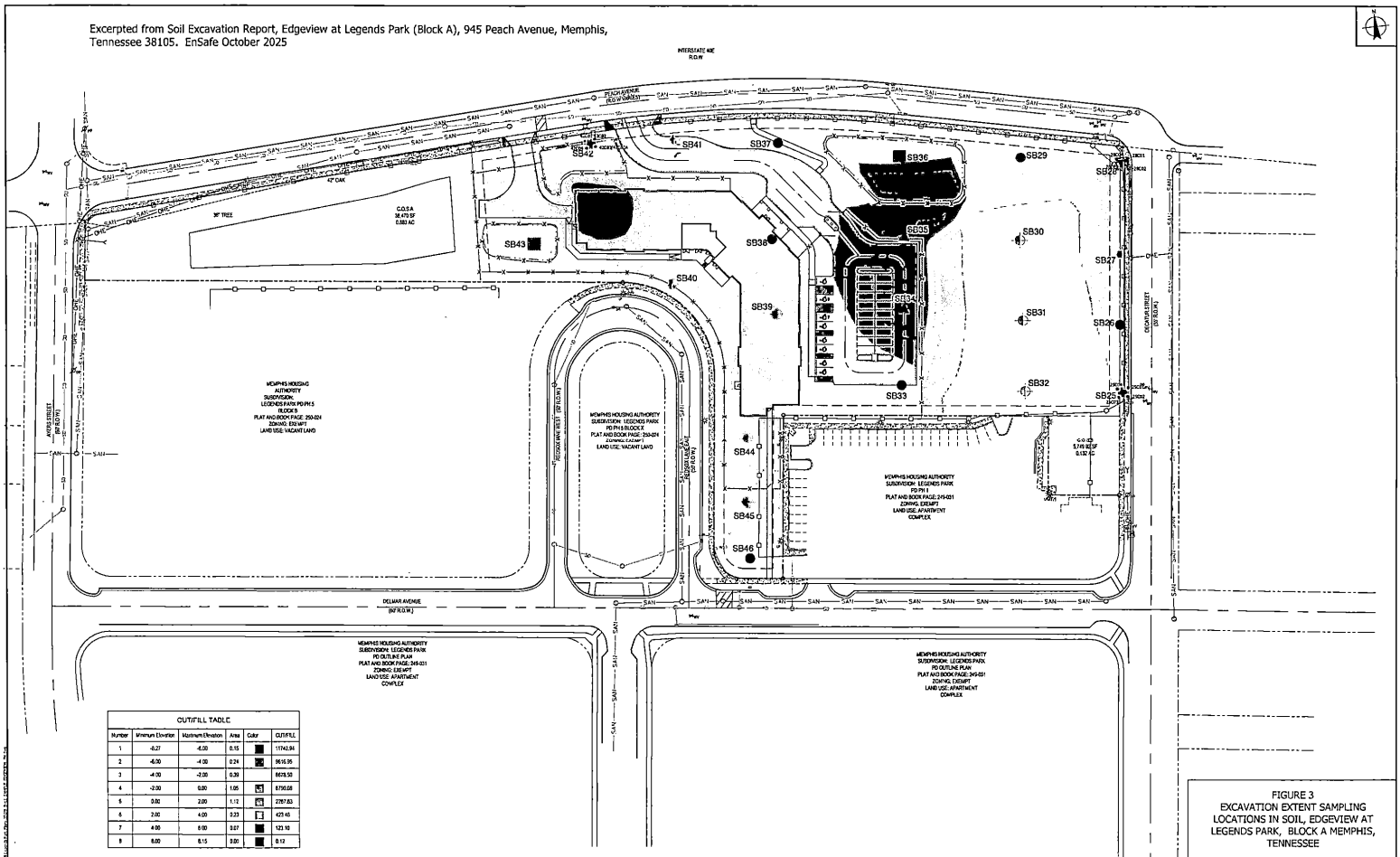
Excerpted from Soil Excavation Report, Edgeview at Legends Park (Block A), 945 Peach Avenue, Memphis, Tennessee 38105. EnSafe October 2025



CUT/FILL TABLE

Number	Minimum Elevation	Maximum Elevation	Area	Color	CUT/FILL
1	-8.27	-6.00	0.15		11742.94
2	-6.00	-4.00	0.24		9616.95
3	-4.00	-2.00	0.39		6678.50
4	-2.00	0.00	1.05		8750.68
5	0.00	2.00	1.12		2787.83
6	2.00	4.00	0.23		423.46
7	4.00	6.00	0.07		123.10
8	6.00	8.15	0.00		0.12

LEGEND

- SURFACE (0-1 FT) AND 1-3 FT SAMPLE LOCATION
- SURFACE (0-1 FT) SAMPLE LOCATION ONLY
- SURFACE (0-1 FT) AND 3-4 FT SAMPLE ONLY
- SURFACE (0-1 FT), 4-5 FT, AND 8-9 FT SAMPLE LOCATION
- FT FEET
- EXTENT SAMPLING LOCATION
- EXCEEDED THE BEQ SCREENING LEVEL
- EXCEEDED BACKGROUND AND RESIDENTIAL RSL FOR ARSENIC AND CHROMIUM

Note: Samples for asbestos and lead analysis were collected at each of these boring locations

NAD83 STATE PLANE TENNESSEE FEET

0 20 40

SCALE IN FEET

FIGURE 3
EXCAVATION EXTENT SAMPLING LOCATIONS IN SOIL, EDGEVIEW AT LEGENDS PARK, BLOCK A MEMPHIS, TENNESSEE

REQUESTED BY:	AH
DRAWN BY:	KMB
DATE:	5/10/2023
PROJECT:	0888835278

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Excerpted from:
Results of Comprehensive Soil Sampling, Dixie Homes Residential Community,
916 Poplar Avenue, Memphis, Tennessee 38105
(Hess Environmental Servicess, Inc. 2008)

TABLE 1 - ASBESTOS SAMPLING RESULTS

Boring	Sample No.	ACM Results	Date Sample Collected	Date Received Results	Comments
321	554	[redacted]	November 9, 2007	November 29, 2007	
321	555		November 9, 2007	November 29, 2007	Duplicate
322	556		November 9, 2007	November 29, 2007	
323	557		November 9, 2007	November 29, 2007	
324	558		November 9, 2007	November 29, 2007	
325	563		October 29, 2007	November 8, 2007	
326	564		October 29, 2007	November 8, 2007	
327	565		October 29, 2007	November 8, 2007	
328	566		October 29, 2007	November 8, 2007	
329	569		October 9, 2007	October 19, 2007	
330	570		October 9, 2007	October 19, 2007	
331	571		October 9, 2007	October 19, 2007	
332	572		October 9, 2007	October 19, 2007	
333	575	No Asbestos Detected	October 9, 2007	October 19, 2007	
334	576	**3% Chrysotile Asbestos**	October 9, 2007	October 19, 2007	
335	577	No Asbestos Detected	October 9, 2007	October 19, 2007	
336	578	**2% Chrysotile Asbestos**	October 9, 2007	October 19, 2007	
337	581	No Asbestos Detected	October 9, 2007	October 19, 2007	
338	582	No Asbestos Detected	October 9, 2007	October 19, 2007	
339	583	No Asbestos Detected	October 9, 2007	October 19, 2007	
340	584	**<1% Chrysotile Asbestos**	October 9, 2007	October 19, 2007	
341	589	No Asbestos Detected	October 9, 2007	October 19, 2007	
341	590	No Asbestos Detected	October 9, 2007	October 19, 2007	Duplicate
342	591	No Asbestos Detected	October 9, 2007	October 19, 2007	
343	592	No Asbestos Detected	October 9, 2007	October 19, 2007	
344	593	No Asbestos Detected	October 9, 2007	October 19, 2007	
345	598	No Asbestos Detected	October 10, 2007	October 19, 2007	
346	599	No Asbestos Detected	October 10, 2007	October 19, 2007	
347	600	No Asbestos Detected	October 10, 2007	October 19, 2007	
348	601	No Asbestos Detected	October 10, 2007	October 19, 2007	
349	604	No Asbestos Detected	October 10, 2007	October 19, 2007	
350	605	No Asbestos Detected	October 10, 2007	October 19, 2007	
351	606	No Asbestos Detected	October 10, 2007	October 19, 2007	
352	607	No Asbestos Detected	October 10, 2007	October 19, 2007	
353	610	No Asbestos Detected	November 9, 2007	November 29, 2007	
354	611	No Asbestos Detected	November 9, 2007	November 29, 2007	
355	612	No Asbestos Detected	November 9, 2007	November 29, 2007	
356	613	No Asbestos Detected	November 9, 2007	November 29, 2007	
357	617		November 9, 2007	November 29, 2007	
358	618		November 9, 2007	November 29, 2007	
359	619	No Asbestos Detected	November 9, 2007	November 29, 2007	
360	620		November 9, 2007	November 29, 2007	

Excerpted from:
Results of Comprehensive Soil Sampling, Dixie Homes Residential Community,
916 Poplar Avenue, Memphis, Tennessee 38105
(Hess Environmental Servicess, Inc. 2008)

TABLE 2 - LEAD SAMPLING RESULTS

Sample ID	Boring I.D.	Residential/Industrial Soil PRG mg/Kg	Total Lead mg/Kg except where noted	
20071018 304	173 to 176	400/800		
20071023 310	177 to 180	400/800		
20071023 326	185 to 188	400/800		
20071023 332	189 to 192	400/800		
20071109 338	193 to 196	400/800		
20071109 344	197 to 200	400/800		
20071109 354	201 to 204	400/800		
20071109 355	201 to 204	400/800		
20071108 361	205 to 208	400/800		
20071108 367	209 to 212	400/800		
20071108 373	213 to 216	400/800		
20071108 379	217 to 220	400/800		
20071108 388	221 to 224	400/800		
20071012 401	229 to 232	400/800		
20071011 407	233 to 236	400/800		
20071011 413	237 to 240	400/800		
20071011 423	241 to 244	400/800		
20071011 424	241 to 244	400/800		
20071011 430	245 to 248	400/800		
20071010 436	249 to 252	400/800		
20071011 442	253 to 256	400/800		
20071018 448	257 to 260	400/800		
20071022 457	261 to 264	400/800	30.4	
20071010 463	265 to 268	400/800	32.2	
20071018 476	273 to 276	400/800	73.6	
20071022 482	277 to 280	400/800	14.8	
20071022 492	281 to 284	400/800	65.3	
20071022 493	281 to 284	400/800	38.5	
20071018 499	285 to 288	400/800	18.3	
20071022 505	289 to 292	400/800	81.7	
20071022 511	293 to 296	400/800		
20071029 517	297 to 300	400/800		
20071029 519W	N/A	400/800		mg/L
20071029 526	301 to 304	400/800		
20071109 532	305 to 308	400/800		
20071109 538	309 to 312	400/800		
20071109 551	317 to 320	400/800		
20071129 553W	N/A	400/800		mg/L
20071109 561	321 to 324	400/800		
20071109 562	321 to 324	400/800		
20071029 568	325 to 328	400/800		
20071009 574	329 to 332	400/800		
20071009 580	333 to 336	400/800		
20071009 586	337 to 340	400/800		
20071109 588W	N/A	400/800		mg/L
20071009 595	341 to 344	400/800		
20071010 603	345 to 348	400/800		

Note:
The current residential RSL for lead is 200 mg/kg.

Excerpted from:
Results of Comprehensive Soil Sampling, Dixie Homes Residential Community,
916 Poplar Avenue, Memphis, Tennessee 38105
(Hess Environmental Servicess, Inc. 2008)

TABLE 2 - LEAD SAMPLING RESULTS

Sample ID	Boring I.D.	Residential/Industrial Soil PRG mg/Kg	Total Lead mg/Kg except where noted
20071010 609	349 to 352	400/800	30.8
20071109 622	357 to 360	400/800	77.8
20071113 623A	361	400/800	[redacted]
20071113 624A	361	400/800	
20071113 627A	362	400/800	
20071129 631A	363	400/800	
20071113 633A	364	400/800	
20071113 636A	365	400/800	
20071022 639A	366	400/800	
20071129 641A	367	400/800	
20071113 645A	368	400/800	
20071113 649A	369	400/800	
20071022 651A	370	400/800	
20071129 654A	371	400/800	
20071129 655A	371	400/800	
20071022 658A	372	400/800	
20071129 661A	373	400/800	
20071113 663A	374	400/800	

Note:
The current residential RSL for lead is 200 mg/kg.

Excerpted from:
Results of Comprehensive Soil Sampling, Dixie Homes Residential Community,
916 Poplar Avenue, Memphis, Tennessee 38105
(Hess Environmental Servicess, Inc. 2008)

Table 3 - PAH Results (mg/kg)

Compound	Residential/Industrial Soil PRG (mg/kg)	Borings 245 to 248	Borings 249 to 252	Borings 253 to 256	Borings 257 to 260	Borings 261 to 264	Borings 265 to 268
		20071011 429	20071010 435	20071011 441	20071018 447	20071022 456	20071010 462
Acenaphthene	3700/29000	[redacted]	[redacted]	[redacted]	[redacted]	<0.0667	0.0254
Acenaphthylene	3700/29000	[redacted]	[redacted]	[redacted]	[redacted]	<0.0667	<0.0167
Anthracene	22000/100000	[redacted]	[redacted]	[redacted]	[redacted]	<0.0667	0.0582
Benzo(a)anthracene	0.62/2.1	[redacted]	[redacted]	[redacted]	[redacted]	0.161	0.267
Benzo(b)fluoranthene	0.62/2.1	[redacted]	[redacted]	[redacted]	[redacted]	0.160	0.436
Benzo(k)fluoranthene	6.2/21	[redacted]	[redacted]	[redacted]	[redacted]	0.0795	0.186
Benzo(g,h,i)perylene	N/A	[redacted]	[redacted]	[redacted]	[redacted]	0.105	0.183
Benzo(a)pyrene	0.062/0.21	[redacted]	[redacted]	[redacted]	[redacted]	**0.118**	***0.286***
Chrysene	62/210	[redacted]	[redacted]	[redacted]	[redacted]	0.205	0.334
Dibenz(a,h)anthracene	0.062/0.21	[redacted]	[redacted]	[redacted]	[redacted]	<0.0667	0.0575
Fluoranthene	2300/22000	[redacted]	[redacted]	[redacted]	[redacted]	0.346	0.583
Fluorene	2700/26000	[redacted]	[redacted]	[redacted]	[redacted]	<0.0667	0.0282
Indeno(1,2,3-cd)pyrene	0.62/2.1	[redacted]	[redacted]	[redacted]	[redacted]	0.113	0.168
2-Methylnaphthalene	N/A	[redacted]	[redacted]	[redacted]	[redacted]	<0.0667	<0.0167
Naphthalene	56/190	[redacted]	[redacted]	[redacted]	[redacted]	<0.0667	0.0123
Phenanthrene	N/A	[redacted]	[redacted]	[redacted]	[redacted]	0.136	0.353
Pyrene	2300/29000	[redacted]	[redacted]	[redacted]	[redacted]	0.281	0.879

Excerpted from:
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(Hess Environmental Servicess, Inc. 2008)

Table 3 - PAH Results (mg/kg)

Compound	Residential/Industrial Soil PRG (mg/kg)	Borings 273 to 276	Borings 277 to 280	Borings 281 to 284	Borings 281 to 284	Borings 285 to 288	Borings 289 to 292
		20071018 475	20071022 481	20071022 490	20071022 491	20071018 498	20071022 504
Acenaphthene	3700/29000	<0.0667	<0.0667	<0.0667	0.190	<0.0667	<0.667
Acenaphthylene	3700/29000	<0.0667	<0.0667	<0.0667	<0.0667	<0.0667	<0.667
Anthracene	22000/100000	<0.0667	<0.0667	0.199	0.468	<0.0667	<0.667
Benzo(a)anthracene	0.62/2.1	0.456	0.0958	**1.16**	**2.10**	0.424	**1.23**
Benzo(b)fluoranthene	0.62/2.1	0.407	0.0806	**0.992**	**1.74**	0.433	**1.34**
Benzo(k)fluoranthene	6.2/21	0.160	<0.0667	0.389	0.739	0.190	<0.667
Benzo(g,h,i)perylene	N/A	0.200	<0.0667	0.425	0.637	0.205	0.781
Benzo(a)pyrene	0.062/0.21	***0.290***	**0.0705**	***0.705***	***1.26***	***0.305***	***0.896***
Chrysene	62/210	0.523	0.119	1.22	2.27	0.490	1.33
Dibenz(a,h)anthracene	0.062/0.21	<0.0667	<0.0667	**0.100**	**0.204**	<0.0667	<0.667
Fluoranthene	2300/22000	0.795	0.170	2.22	4.02	0.858	2.57
Fluorene	2700/26000	<0.0667	<0.0667	<0.0667	0.179	<0.0667	<0.667
Indeno(1,2,3-cd)pyrene	0.62/2.1	0.207	<0.0667	0.475	0.721	0.256	**0.787**
2-Methylnaphthalene	N/A	<0.0667	<0.0667	<0.0667	<0.0667	<0.0667	<0.667
Naphthalene	56/190	<0.0667	<0.0667	<0.0667	<0.0667	<0.0667	<0.667
Phenanthrene	N/A	0.282	0.0731	0.909	2.13	0.329	0.965
Pyrene	2300/29000	0.586	0.118	1.67	2.77	0.650	1.80

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Table 3 - PAH Results (mg/kg)

Compound	Residential/Industrial Soil PRG (mg/kg)	Borings 333 to 336	Borings 337 to 340	Rinsate (µg/L)	Borings 341 to 344	Borings 345 to 348	Borings 349 to 352
		20071009 579	20071009 585	20071109 587W	20071009 594	20071010 602	20071010 608
Acenaphthene	3700/29000	0.0216	0.0266	[redacted]	0.0119	0.0359	<0.0167
Acenaphthylene	3700/29000	<0.0167	0.0123	[redacted]	<0.0167	<0.0167	<0.0167
Anthracene	22000/100000	0.0483	0.0802	[redacted]	0.0338	0.0721	<0.0167
Benzo(a)anthracene	0.62/2.1	0.150	0.560	[redacted]	0.178	0.259	0.0499
Benzo(b)fluoranthene	0.62/2.1	0.225	**0.921**	[redacted]	0.322	0.385	0.0740
Benzo(k)fluoranthene	6.2/21	0.16	0.338	[redacted]	0.0798	0.147	0.0451
Benzo(g,h,i)perylene	N/A	0.0905	0.414	[redacted]	0.122	0.246	0.0376
Benzo(a)pyrene	0.062/0.21	**0.163**	***0.627***	[redacted]	**0.187**	***0.257***	0.0542
Chrysene	62/210	0.191	0.711	[redacted]	0.220	0.321	0.0657
Dibenz(a,h)anthracene	0.062/0.21	0.0325	**0.0988**	[redacted]	0.0412	0.0606	0.0127
Fluoranthene	2300/22000	0.308	1.09	[redacted]	0.311	0.612	0.117
Fluorene	2700/26000	0.0231	0.0254	[redacted]	<0.0167	0.0272	<0.0167
Indeno(1,2,3-cd)pyrene	0.62/2.1	0.0799	0.365	[redacted]	0.106	0.173	0.0322
2-Methylnaphthalene	N/A	<0.0167	<0.0167	[redacted]	<0.0167	<0.0167	<0.0167
Naphthalene	56/190	<0.0167	<0.0167	[redacted]	<0.0167	<0.0167	<0.0167
Phenanthrene	N/A	0.202	0.438	[redacted]	0.157	0.424	0.0559
Pyrene	2300/29000	0.420	1.57	[redacted]	0.511	0.914	0.124

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Table 3 - PAH Results (mg/kg)

Compound	Residential/Industrial Soil PRG (mg/kg)	Borings 357 to 360	Boring 361	Boring 361	Boring 362	Boring 363	Boring 364
		20071109 621	20071113 625	20071113 626	20071113 628	20071022 632	20071113 634
Acenaphthene	3700/29000	0.0130	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]
Acenaphthylene	3700/29000	<0.0667	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]
Anthracene	22000/100000	0.0368	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]
Benzo(a)anthracene	0.62/2.1	0.290	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]
Benzo(b)fluoranthene	0.62/2.1	0.295	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]
Benzo(k)fluoranthene	6.2/21	0.115	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]
Benzo(g,h,i)perylene	N/A	0.168	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]
Benzo(a)pyrene	0.062/0.21	**0.219**	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]
Chrysene	62/210	0.338	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]
Dibenz(a,h)anthracene	0.062/0.21	0.0584	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]
Fluoranthene	2300/22000	0.544	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]
Fluorene	2700/26000	<0.0667	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]
Indeno(1,2,3-cd)pyrene	0.62/2.1	0.177	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]
2-Methylnaphthalene	N/A	<0.0667	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]
Naphthalene	56/190	<0.0667	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]
Phenanthrene	N/A	0.203	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]
Pyrene	2300/29000	0.448	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]

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Table 3 - PAH Results (mg/kg)

Compound	Residential/Industrial Soil PRG (mg/kg)	Boring 371 20071022 656	Boring 371 20071022 657	Boring 372 20071022 659	Boring 373 20071022 662	Rinsate (µg/L) 20071129 670W
Acenaphthene	3700/29000	[redacted]	[redacted]	[redacted]	<0.0667	[redacted]
Acenaphthylene	3700/29000	[redacted]	[redacted]	[redacted]	<0.0667	[redacted]
Anthracene	22000/100000	[redacted]	[redacted]	[redacted]	<0.0667	[redacted]
Benzo(a)anthracene	0.62/2.1	[redacted]	[redacted]	[redacted]	<0.0667	[redacted]
Benzo(b)fluoranthene	0.62/2.1	[redacted]	[redacted]	[redacted]	0.0162	[redacted]
Benzo(k)fluoranthene	6.2/21	[redacted]	[redacted]	[redacted]	0.0142	[redacted]
Benzo(g,h,i)perylene	N/A	[redacted]	[redacted]	[redacted]	<0.0667	[redacted]
Benzo(a)pyrene	0.062/0.21	[redacted]	[redacted]	[redacted]	0.0187	[redacted]
Chrysene	62/210	[redacted]	[redacted]	[redacted]	<0.0667	[redacted]
Dibenz(a,h)anthracene	0.062/0.21	[redacted]	[redacted]	[redacted]	<0.0667	[redacted]
Fluoranthene	2300/22000	[redacted]	[redacted]	[redacted]	0.0157	[redacted]
Fluorene	2700/26000	[redacted]	[redacted]	[redacted]	<0.0667	[redacted]
Indeno(1,2,3-cd)pyrene	0.62/2.1	[redacted]	[redacted]	[redacted]	<0.0667	[redacted]
2-Methylnaphthalene	N/A	[redacted]	[redacted]	[redacted]	<0.0667	[redacted]
Naphthalene	56/190	[redacted]	[redacted]	[redacted]	<0.0667	[redacted]
Phenanthrene	N/A	[redacted]	[redacted]	[redacted]	<0.0667	[redacted]
Pyrene	2300/29000	[redacted]	[redacted]	[redacted]	<0.0667	[redacted]

Notes:

0.977	Concentration is above Residential PRG
0.977	Concentration is above Residential and Industrial PRG

Excerpted from:
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TABLE 4 - SVOC RESULTS (mg/kg)

Compound	Residential/Industrial Soil PRG (mg/kg)	Borings 353 to 356 20071109 615	Boring 367 20071022 643	Boring 374 20071113 666	Boring 374 20071113 667
Acenaphthene	3700/29000	<0.0667	[redacted]	[redacted]	[redacted]
Acenaphthylene	N/A	<0.0667	[redacted]	[redacted]	[redacted]
Acetophenone	N/A	<0.170	[redacted]	[redacted]	[redacted]
Aniline	85/300	<0.170	[redacted]	[redacted]	[redacted]
Anthracene	22000/100000	0.0230	[redacted]	[redacted]	[redacted]
Benzidine	0.0021/0.0075	<0.670	[redacted]	[redacted]	[redacted]
Benzo(a)anthracene	0.62/2.1	0.143	[redacted]	[redacted]	[redacted]
Benzo(b)fluoranthene	0.62/2.1	0.135	[redacted]	[redacted]	[redacted]
Benzo(k)fluoranthene	6.2/21	0.0457	[redacted]	[redacted]	[redacted]
Benzo(g,h,i)perylene	N/A	0.0664	[redacted]	[redacted]	[redacted]
Benzo(a)pyrene	0.062/0.21	**0.0881**	[redacted]	[redacted]	[redacted]
Benzoic acid	100000/100000	<0.330	[redacted]	[redacted]	[redacted]
Benzyl alcohol	18000/100000	<0.330	[redacted]	[redacted]	[redacted]
Bis(2-chloroethyl)ether	0.22/0.58	<0.170	[redacted]	[redacted]	[redacted]
Bis(2-chloroethoxy)methane	N/A	<0.170	[redacted]	[redacted]	[redacted]
Bis(2-chloroisopropyl)ether	N/A	<0.170	[redacted]	[redacted]	[redacted]
Bis (2-ethylhexyl)phthalate	35/120	0.0269	[redacted]	[redacted]	[redacted]
4-Bromophenyl phenyl ether	N/A	<0.170	[redacted]	[redacted]	[redacted]
Butyl benzyl phthalate	12000/100000	<0.170	[redacted]	[redacted]	[redacted]
Carbazole	24/86	<0.170	[redacted]	[redacted]	[redacted]
4-Chloroaniline	240/2500	<0.170	[redacted]	[redacted]	[redacted]
4-Chloro-3-methylphenol	N/A	<0.170	[redacted]	[redacted]	[redacted]
2-Chloronaphthalene	N/A	<0.170	[redacted]	[redacted]	[redacted]
2-Chlorophenol	63/240	<0.170	[redacted]	[redacted]	[redacted]
4-Chlorophenyl pheyl ether	N/A	<0.170	[redacted]	[redacted]	[redacted]
Chrysene	62/210	0.165	[redacted]	[redacted]	[redacted]
Dibenz(a,h)anthracene	0.062/0.21	0.0185	[redacted]	[redacted]	[redacted]

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TABLE 4 - SVOC RESULTS (mg/kg)

Compound	Residential/Industrial Soil PRG (mg/kg)	Borings 353 to 356 20071109 615	Boring 367 20071022 643	Boring 374 20071113 666	Boring 374 20071113 667
Dibenzofuran	150/1600	<0.170	[redacted]	[redacted]	[redacted]
1,2-Dichlorobenzene	600/600	<0.170	[redacted]	[redacted]	[redacted]
1,3-Dichlorobenzene	530/600	<0.170	[redacted]	[redacted]	[redacted]
1,4-Dichlorobenzene	3.4/7.9	<0.170	[redacted]	[redacted]	[redacted]
Di-n-butyl phthalate	N/A	<0.170	[redacted]	[redacted]	[redacted]
3,3'-Dichlorobenzidine	1 1/3.8	<0.330	[redacted]	[redacted]	[redacted]
2,4-Dichlorophenol	180/1800	<0.170	[redacted]	[redacted]	[redacted]
2,6-Dichlorophenol	N/A	<0.170	[redacted]	[redacted]	[redacted]
Diethyl phthalate	49000/100000	<0.170	[redacted]	[redacted]	[redacted]
3,3'-Dimethylbenzidine	N/A	<0.330	[redacted]	[redacted]	[redacted]
2,4-Dimethylphenol	1200/12000	<0.170	[redacted]	[redacted]	[redacted]
Dimethyl phthalate	100000/100000	<0.170	[redacted]	[redacted]	[redacted]
4,6-Dinitro-2-methylphenol	N/A	<0.330	[redacted]	[redacted]	[redacted]
2,4-Dinitrophenol	120/1200	<1.67	[redacted]	[redacted]	[redacted]
2,4-Dinitrotoluene	N/A	<0.170	[redacted]	[redacted]	[redacted]
2,6-Dinitrotoluene	N/A	<0.170	[redacted]	[redacted]	[redacted]
Di-n-octyl phthalate	2400/25000	<0.170	[redacted]	[redacted]	[redacted]
Fluoranthene	2300/22000	0.367	[redacted]	[redacted]	[redacted]
Fluorene	2700/26000	<0.0667	[redacted]	[redacted]	[redacted]
Hexachlorobenzene	0.30/1.1	<0.170	[redacted]	[redacted]	[redacted]
Hexachlorobutadiene	6.2/22	<0.170	[redacted]	[redacted]	[redacted]
Hexachlorocyclopentadiene	370/3700	<0.170	[redacted]	[redacted]	[redacted]
Hexachloroethane	35/120	<0.170	[redacted]	[redacted]	[redacted]
Indeno(1,2,3-cd)pyrene	0.62/2.1	0.0666	[redacted]	[redacted]	[redacted]
Isophorone	510/510	<0.170	[redacted]	[redacted]	[redacted]
2-Methylnaphthalene	N/A	<0.0667	[redacted]	[redacted]	[redacted]
2-Methylphenol	3100/31000	<0.170	[redacted]	[redacted]	[redacted]

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TABLE 4 - SVOC RESULTS (mg/kg)

Compound	Residential/Industrial Soil PRG (mg/kg)	Borings 353 to 356 20071109 615	Boring 367 20071022 643	Boring 374 20071113 666	Boring 374 20071113 667
3&4-Methylphenol	N/A	<0.170	[redacted]	[redacted]	[redacted]
Naphthalene	56/190	<0.0667	[redacted]	[redacted]	[redacted]
2-Nitroaniline	180/1800	<0.170	[redacted]	[redacted]	[redacted]
3-Nitroaniline	18/82	<0.330	[redacted]	[redacted]	[redacted]
4-Nitroaniline	23/82	<0.170	[redacted]	[redacted]	[redacted]
Nitrobenzene	20/100	<0.170	[redacted]	[redacted]	[redacted]
2-Nitrophenol	N/A	<0.170	[redacted]	[redacted]	[redacted]
4-Nitrophenol	N/A	<0.660	[redacted]	[redacted]	[redacted]
N-Nitroso-di-n-butylamine	0.024/0.058	<0.170	[redacted]	[redacted]	[redacted]
N-Nitrosodiethylamine	0.0032/0.011	<0.170	[redacted]	[redacted]	[redacted]
N-Nitrosodimethylamine	0.0095/0.034	<0.170	[redacted]	[redacted]	[redacted]
N-Nitrosodiphenylamine	99/350	<0.330	[redacted]	[redacted]	[redacted]
N-Nitrosodi-n-propylamine	0.069/0.25	<0.170	[redacted]	[redacted]	[redacted]
Pentachlorophenol	3.0/9.0	<0.330	[redacted]	[redacted]	[redacted]
Phenanthrene	N/A	0.119	[redacted]	[redacted]	[redacted]
Phenol	18000/100000	<0.170	[redacted]	[redacted]	[redacted]
Pyrene	2300/29000	0.195	[redacted]	[redacted]	[redacted]
Pyridine	61/620	<0.330	[redacted]	[redacted]	[redacted]
1,2,3,4-Tetrachlorobenzene	N/A	<0.0667	[redacted]	[redacted]	[redacted]
1,2,4,5-Tetrachlorobenzene	18/180	<0.170	[redacted]	[redacted]	[redacted]
2,3,4,6-Tetrachlorophenol	1800/18000	<0.170	[redacted]	[redacted]	[redacted]
1,2,4-Trichlorobenzene	N/A	<0.170	[redacted]	[redacted]	[redacted]
2,4,5-Trichlorophenol	6100/62000	<0.170	[redacted]	[redacted]	[redacted]
2,4,6-Trichlorophenol	6.1/62	<0.170	[redacted]	[redacted]	[redacted]

Notes:
0.977 Concentration is above Residential PRG
0.977 Concentration is above Residential and Industrial PRG

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TABLE 5 - VOC RESULTS (mg/kg)

Compound	Residential/Industrial Soil PRG (mg/kg)	Boring 181 to 184 20071023 318	Boring 225 to 228 20071012 393	Boring 269 to 272 20071018 468	Boring 313 to 316 20071109 543	Boring 353 to 356 20071109 614
Acetone	14000/54000	[redacted]	[redacted]	<0.0400	[redacted]	<0.0400
Acetonitrile	420/1800	[redacted]	[redacted]	<0 100	[redacted]	<0.100
Acrolein	0 1/0 34	[redacted]	[redacted]	<0.0400	[redacted]	<0.0400
Acrylonitrile	0 21/0 49	[redacted]	[redacted]	<0.0400	[redacted]	<0.0400
Benzene	0 64/1 4	[redacted]	[redacted]	<0.00200	[redacted]	0.000732
Bromobenzene	28/92	[redacted]	[redacted]	<0.00200	[redacted]	<0.00200
Bromochloromethane	N/A	[redacted]	[redacted]	<0.00200	[redacted]	<0.00200
Bromodichloromethane	0 82/1 8	[redacted]	[redacted]	<0.00200	[redacted]	<0.00200
Bromoform	62/220	[redacted]	[redacted]	<0.00200	[redacted]	<0.00200
Bromomethane	3 9/13	[redacted]	[redacted]	<0.00200	[redacted]	<0.00200
n-Butylbenzene	240/240	[redacted]	[redacted]	<0.00200	[redacted]	<0.00200
sec-Butylbenzene	220/220	[redacted]	[redacted]	<0.00200	[redacted]	<0.00200
tert-Butylbenzene	390/390	[redacted]	[redacted]	<0.00200	[redacted]	<0.00200
2-Butanone (MEK)	22000/110000	[redacted]	[redacted]	<0.0400	[redacted]	<0.0400
Carbon disulfide	360/720	[redacted]	[redacted]	<0.00200	[redacted]	<0.00200
Carbon tetrachloride	0 25/0 55	[redacted]	[redacted]	<0.00200	[redacted]	<0.00200
Chlorobenzene	150/530	[redacted]	[redacted]	<0.00200	[redacted]	<0.00200
Chlorodibromomethane	N/A	[redacted]	[redacted]	<0.00200	[redacted]	<0.00200
Chloroethane	3/6 5	[redacted]	[redacted]	<0.00200	[redacted]	<0.00200
Chloroform	0 22/0 47	[redacted]	[redacted]	<0.00200	[redacted]	<0.00200
Chloromethane	47/160	[redacted]	[redacted]	<0.00200	[redacted]	<0.00200
2-Chlorotoluene	N/A	[redacted]	[redacted]	<0.00200	[redacted]	<0.00200
4-Chlorotoluene	N/A	[redacted]	[redacted]	<0.00200	[redacted]	<0.00200
1,2-Dibromo-3-chloropropane	0 46/2 0	[redacted]	[redacted]	<0.0100	[redacted]	<0.0100
1,2-Dibromoethane	0 032/0 073	[redacted]	[redacted]	<0.00200	[redacted]	<0.00200
Dibromomethane	N/A	[redacted]	[redacted]	<0.00200	[redacted]	<0.00200
1,2-Dichlorobenzene	600/600	[redacted]	[redacted]	<0.00200	[redacted]	<0.00200
1,3-Dichlorobenzene	530/600	[redacted]	[redacted]	<0.00200	[redacted]	<0.00200
1,4-Dichlorobenzene	3 4/7 9	[redacted]	[redacted]	<0.00200	[redacted]	<0.00200
Dichlorodifluoromethane	94/310	[redacted]	[redacted]	<0.00200	[redacted]	<0.00200
1,1-Dichloroethane	510/1700	[redacted]	[redacted]	<0.00200	[redacted]	<0.00200
1,2-Dichloroethane	0 28/0 60	[redacted]	[redacted]	<0.00200	[redacted]	<0.00200
1,1-Dichloroethene	120/410	[redacted]	[redacted]	<0.00200	[redacted]	<0.00200
cis-1,2-Dichloroethene	N/A	[redacted]	[redacted]	<0.00200	[redacted]	<0.00200
trans-1,2-Dichloroethene	N/A	[redacted]	[redacted]	<0.00200	[redacted]	<0.00200
1,2-Dichloropropane	0 34/0 74	[redacted]	[redacted]	<0.00200	[redacted]	<0.00200
1,3-Dichloropropane	100/360	[redacted]	[redacted]	<0.00200	[redacted]	<0.00200
2,2-Dichloropropane	N/A	[redacted]	[redacted]	<0.00200	[redacted]	<0.00200
1,1-Dichloropropene	N/A	[redacted]	[redacted]	<0.00200	[redacted]	<0.00200

Excerpted from:
Results of Comprehensive Soil Sampling, Dixie Homes Residential Community,
916 Poplar Avenue, Memphis, Tennessee 38105
(Hess Environmental Servicess, Inc. 2008)

TABLE 5 - VOC RESULTS (mg/kg)

Compound	Residential/Industrial Soil PRG (mg/kg)	Boring 181 to 184 20071023 318	Boring 225 to 228 20071012 393	Boring 269 to 272 20071018 468	Boring 313 to 316 20071109 543	Boring 353 to 356 20071109 614
cis-1,3-Dichloropropene	N/A	[redacted]	[redacted]	<0.00200	[redacted]	<0.00200
trans-1,3-Dichloropropene	N/A	[redacted]	[redacted]	<0.00200	[redacted]	<0.00200
Ethyl acetate	19000/37000	[redacted]	[redacted]	<0.0400	[redacted]	<0.0400
Ethylbenzene	400/400	[redacted]	[redacted]	<0.00200	[redacted]	0.00286
Hexachlorobutadiene	6 2/22	[redacted]	[redacted]	<0.00200	[redacted]	<0.00200
2-Hexanone	N/A	[redacted]	[redacted]	<0.0100	[redacted]	<0.0100
Iodomethane	N/A	[redacted]	[redacted]	<0.0100	[redacted]	<0.0100
Isopropylbenzene	N/A	[redacted]	[redacted]	<0.00200	[redacted]	<0.00200
4-Isopropyltoluene	N/A	[redacted]	[redacted]	<0.00200	[redacted]	<0.00200
Methylene Chloride	9 1/21	[redacted]	[redacted]	<0.0200	[redacted]	<0.0200
4-Methyl-2-pentanone	N/A	[redacted]	[redacted]	<0.0100	[redacted]	<0.0100
Methyl tert-butyl ether	32/70	[redacted]	[redacted]	<0.00200	[redacted]	<0.00200
Naphthalene	56/190	[redacted]	[redacted]	<0.0100	[redacted]	<0.0100
n-Propylbenzene	240/240	[redacted]	[redacted]	<0.00200	[redacted]	<0.00200
Styrene	1700/1700	[redacted]	[redacted]	<0.00200	[redacted]	<0.00200
1,1,1,2-Tetrachloroethane	3 2/7 3	[redacted]	[redacted]	<0.00200	[redacted]	<0.00200
1,1,2,2-Tetrachloroethane	0 41/0 93	[redacted]	[redacted]	<0.00200	[redacted]	<0.00200
Tetrachloroethene	0 48/1 3	[redacted]	[redacted]	<0.00200	[redacted]	<0.00200
Toluene	520/520	[redacted]	[redacted]	<0.00400	[redacted]	0.00611
1,2,3-Trichlorobenzene	N/A	[redacted]	[redacted]	<0.00200	[redacted]	<0.00200
1,2,4-Trichlorobenzene	62/220	[redacted]	[redacted]	<0.00200	[redacted]	<0.00200
1,1,1-Trichloroethane	1200/1200	[redacted]	[redacted]	<0.00200	[redacted]	<0.00200
1,1,2-Trichloroethane	0 73/1 6	[redacted]	[redacted]	<0.00200	[redacted]	<0.00200
Trichloroethene	0 053/0 11	[redacted]	[redacted]	<0.00200	[redacted]	<0.00200
Trichlorofluoromethane	390/2000	[redacted]	[redacted]	<0.00200	[redacted]	<0.00200
1,2,3-Trichloropropane	0 034/760	[redacted]	[redacted]	<0.00200	[redacted]	<0.00200
1,2,4-Trimethylbenzene	52/170	[redacted]	[redacted]	<0.00200	[redacted]	0.00326
1,3,5-Trimethylbenzene	21/70	[redacted]	[redacted]	<0.00200	[redacted]	0.00121
Vinyl acetate	430/1400	[redacted]	[redacted]	<0.0400	[redacted]	<0.0400
Vinyl chloride	0 079/0 75	[redacted]	[redacted]	<0.00200	[redacted]	<0.00200
m,p-Xylene	270/420 (total xylenes)	[redacted]	[redacted]	<0.00400	[redacted]	0.00896
o-Xylene	270/420 (total xylenes)	[redacted]	[redacted]	<0.00200	[redacted]	0.00430

Excerpted from:
Results of Comprehensive Soil Sampling, Dixie Homes Residential Community,
916 Poplar Avenue, Memphis, Tennessee 38105
(Hess Environmental Servicess, Inc. 2008)

TABLE 6 - RCRA 8 RESULTS (mg/kg)

Metal	Residential/Industrial Soil PRG (mg/kg)	Borings 181 to 184	Borings 225 to 228	Borings 269 to 272	Borings 313 to 316	Borings 353 to 356
		20071023 320	20071012 395	20071018 470	20071109 545	20071109 616
Total Arsenic	0.39/1.6	[redacted]	[redacted]	[redacted]	[redacted]	*8.56*
Total Barium	5400/67000	[redacted]	[redacted]	[redacted]	[redacted]	115
Total Cadmium	37/450	[redacted]	[redacted]	[redacted]	[redacted]	0.231
Total Chromium	210/450	[redacted]	[redacted]	[redacted]	[redacted]	11.3
Total Lead	400/800	[redacted]	[redacted]	[redacted]	[redacted]	48.3
Total Mercury	23/310	[redacted]	[redacted]	[redacted]	[redacted]	0.136
Total Selenium	390/5100	[redacted]	[redacted]	[redacted]	[redacted]	<0.455
Total Silver	390/5100	[redacted]	[redacted]	[redacted]	[redacted]	<0.227

Note:
The current arsenic background concentration in TN is 20 mg/kg (Tennessee Department of Environment and Conservation Division of Remediation (DoR) Arsenic Naturally Occurring Background Concentration (TDEC DoR August 3, 2021).

The current residential RSL for lead is 200 mg/kg.

Excerpted from:
Phase II Environmental Site Assessment Block A,
Legends Park Subdivision, Memphis,Tennessee.
(EnSafe Inc. 2021)

Table 1
Detected Concentrations in Soil, December 2021
Block A, Legends Park Subdivision, Memphis, Tennessee

Analyte	Res RSL (a)	Ind RSL (b)	ISL (c)	TN BKG (d)	SB01		SB02		SB03		SB04		SB05	
					16-20	24-28	4-8	28-32	12-16	24-28	16-20	28-32	16-20	28-32
RCRA 8 Metals														
Arsenic	0.68	3	NE	10	**2.19 a**	**1.56 a**	**8.87 ab**	**4.53 ab**	**8.48 ab**	**2.66 Ja**	**9.41 ab**	**6.51 ab**	**10.1 abd**	**2.46 a**
Barium	1500	22000	NE	144	31.1	41.1	118	84.2	138	73.3	67.2	61.9	59.5	51.1
Cadmium	0.71	10	NE	1.0	—	—	0.146	—	0.113 J	—	0.421	0.0371 J	0.358	—
Chromium	0.3	6.3	NE	20	**14.7 ab**	**16.5 ab**	**12.5 ab**	**20.2 abd**	**15.0 ab**	**26.3 abd**	**12.4 ab**	**23.0 abd**	**14.4 ab**	**14.9 ab**
Lead	400	800	NE	45	5.51	5.33	14.3	6.12	10.4	8.96	6.77	10.3	8.03	7.97
Mercury	1.1	4.6	NE	0.18	0.0211	0.0227	0.0955	0.0503	0.0239	0.0174 J	0.0209	—	0.0198	0.0392
Silver	39	580	NE	1.2	—	—	—	—	—	—	0.224 J	—	—	—
Volatile Organic Compounds														
Acetone	7000	110000	NE	NE	—	—	0.0224 J	—	0.0192 J	—	0.0156 J	—	0.161	—
Benzene	1.2	5.1	0.0729	NE	0.0008 J	—	0.0009 J	—	—	—	0.0038	—	0.0234	—
Butylbenzene, n-	390	5800	NE	NE	—	—	—	—	—	—	—	—	0.0026	—
Ethylbenzene	5.8	25	143	NE	0.0012 J	—	0.0010 J	—	—	—	0.0049	—	0.0277	—
Isopropylbenzene	190	990	NE	NE	—	—	—	—	—	—	—	—	0.0027	—
Methyl Ethyl Ketone	2700	19000	NE	NE	—	—	—	—	—	—	—	—	0.0272 J	—
Toluene	490	4700	6.78	NE	—	—	—	—	—	—	0.0098	—	0.0618	—
Trimethylbenzene, 1,2,4-	30	180	NE	NE	0.0010 J	—	0.0010 J	—	—	—	0.0025 J	—	0.0154	—
Xylene, m,p-	56	240	NE	NE	—	—	—	—	—	—	0.0055	—	0.0319	—
Xylene, o-	64	280	NE	NE	—	—	—	—	—	—	0.0022 J	—	0.0128	—
Xylene (Total)	58	259	9.6	NE	—	—	—	—	—	—	0.0077 J	—	0.0448	—
Polynuclear Aromatic Hydrocarbons														
Acenaphthene	360	4500	NE	NE	—	—	0.00364	—	—	—	—	—	—	—
Acenaphthylene	NE	NE	NE	NE	—	—	0.00570	—	—	—	—	—	—	—
Anthracene	1800	23000	NE	NE	—	—	0.0138	—	—	—	—	—	—	—
Benzo(a)anthracene	1.1	21	NE	NE	—	—	0.0971	—	—	—	—	—	—	—
Benzo(a)pyrene	0.11	2.1	NE	NE	—	—	**0.126 a**	0.000478 J	—	—	—	—	—	—
Benzo(b)fluoranthene	1.1	21	NE	NE	—	—	0.121	0.000375 J	—	—	—	—	—	—
Benzo(g,h,i)perylene	NE	NE	NE	NE	—	0.000877	0.0717	0.00128	0.000950	0.000686 J	0.000684 J	0.000972	0.000882	0.000609 J
Benzo(k)fluoranthene	11	210	NE	NE	—	—	0.0408	—	—	—	—	—	—	—
Chrysene	110	2100	NE	NE	—	—	0.109	—	—	—	—	—	—	—
Dibenz(a,h)anthracene	0.11	2.1	NE	NE	—	—	0.0190	—	—	—	—	—	—	—
Fluoranthene	240	3000	NE	NE	—	—	0.196	—	—	—	—	—	—	—
Fluorene	240	3000	NE	NE	—	—	0.00380	—	—	—	—	—	—	—
Indeno(1,2,3-cd)pyrene	1.1	21	NE	NE	—	—	0.0669	0.000883	—	—	—	—	—	—
Methylnaphthalene, 2-	24	300	NE	NE	—	—	0.000876	—	—	—	—	—	—	—
Naphthalene	2	8.6	135	NE	—	—	0.00116	—	—	—	—	—	—	—
Phenanthrene	NE	NE	NE	NE	—	—	0.0693	—	—	—	—	—	—	—
Pyrene	180	2300	NE	NE	—	—	0.171	—	—	—	—	—	—	—
Extractable Petroleum Hydrocarbons														
Diesel Range Organics	NE	NE	NE	NE	—	—	3.78 J	—	—	—	—	—	—	—
Oil Range Organics	NE	NE	NE	NE	4.88	—	7.39	4.77	—	—	6.45	5.24	—	—
Extractable Petroleum Hydrocarbons (Total)	NE	NE	500	NE	4.88	—	11.2 J	4.77	—	—	6.45	5.24	—	—

Notes:
All results are milligrams per kilogram (mg/kg) or parts per million (ppm).
U.S. EPA = United States Environmental Protection Agency
TDEC = Tennessee Department of Environment and Conservation
RCRA = Resource Conservation and Recovery Act
Res RSL = U.S. EPA Regional Screening Level for Residential Soil, hazard quotient = 0.1 (November 2021)
Ind RSL = U.S. EPA Regional Screening Level for Industrial Soil, hazard quotient = 0.1 (November 2021)
ISL = Tennessee Underground Storage Tank System Assessment Closure Initial Screening Levels for Residential Soil (September 2006)
TN BKG = Background Hazardous Trace Elements in Tennessee Soils, TDEC Report of Investigation No 49 (2001)
NE = Not Established
— = Not Detected
J = Estimated
a = exceeds Res RSL
b = exceeds Ind RSL
c = exceeds ISL
d = exceeds TN BKG

The current arsenic background concentration in TN is 20 mg/kg (Tennessee Department of Environment and Conservation Division of Remediation (DoR) Arsenic Naturally Occurring Background Concentration (TDEC DoR August 3, 2021).
The current residential RSL for lead is 200 mg/kg.

Excerpted from:
Phase II Environmental Site Assessment Block A, Legends Park Subdivision, Memphis,Tennessee.
(EnSafe Inc. 2021)

Table 2
Detected Concentrations in Groundwater, December 2021
Block A, Legends Park Subdivision, Memphis, Tennessee

Analyte	RSL (a)	MCL (b)	ISL (c)	SB01	SB02	SB03	SB04	SB05
RCRA 8 Metals								
Barium	380	2000	NE	0.099	0.092	0.165	0.244	0.110
Selenium	10	50	NE	—	—	0.004 J	0.003 J	—
Volatile Organic Compounds								
Acetone	1.8	NE	NE	—	—	—	—	0.010 J
Toluene	0.11	1	1	—	—	0.0007 J	—	—
Polynuclear Aromatic Hydrocarbons								
Acenaphthene	0.053	NE	0.939	—	—	—	—	0.000020
Methylnaphthalene, 1-	0.0011	NE	NE	—	—	—	—	0.000017 J
Naphthalene	0.00012	NE	0.02	—	—	0.000042	—	—
Extractable Petroleum Hydrocarbons								
Diesel Range Organics	NE	NE	NE	0.111	0.0576 J	0.111	0.243	0.272
Oil Range Organics	NE	NE	NE	0.0994	—	—	0.0883 J	0.0938
Extractable Petroleum Hydrocarbons (Total)	NE	NE	NE	0.210	0.0576 J	0.111	0.331 J	0.366

Notes:
All results are in milligrams per liter (mg/L).
U.S. EPA = United States Environmental Protection Agency
RCRA = Resource Conservation and Recovery Act
RSL = U.S. EPA Regional Screening Level for Tap Water (November 2021)
MCL = U.S. EPA Maximum Contaminant Level for Groundwater (November 2021)
ISL = Tennessee Underground Storage Tank System Assessment Closure Initial Screening Levels for groundwater-drinking water (September 2006)
NE = Not Established
— = Not Detected
J = Estimated

Excerpted from:
Phase II Environmental Site Assessment Block A, Legends Park Subdivision, Memphis,Tennessee.
(EnSafe Inc. 2021)

Table 3
Detected Concentrations in Soil Gas, December 2021
Block A, Legends Park Subdivision, Memphis, Tennessee

Analyte	Res VISL (a)	Com VISL (b)	SG01	SG02	SG03	SG04	SG05
Acetone	107000	451000	72	145	51.1	6.11	82.2
Benzene	12	52.4	**13.8 a**	2.18	1.67	0.581 J	2.66
Bromodichloromethane	2.53	11	1.19 J	—	—	—	—
Butadiene, 1,3-	3.12	13.6	1.42 J	0.843 J	—	—	1.21 J
Carbon tetrachloride	15.6	68.1	0.844 J	0.976 J	—	—	—
Chloroform	4.07	17.8	—	—	0.759 J	0.891 J	—
Chloromethane	313	1310	0.386 J	0.708	—	0.425 J	0.492 J
Cyclohexane	20900	87600	2.78	3.4	0.816 J	0.637 J	3.48
Dichlorobenzene, 1,4-	8.51	37.2	—	—	—	0.568 J	—
Dichlorodifluoromethane	348	1460	3.18	3.52	2.83	3.17	204
Ethylbenzene	37.4	164	3.95	2.49	1.98	0.863 J	1.94
Heptane, n-	1390	5840	3.01	3.88	1.1 J	—	3.67
Hexane, n-	2430	10200	2.22 J	4.76	1.1 J	—	5.89
Hexanone, 2-	104	438	2.27 J	8.79	1.37 J	—	3.25 J
Isopropanol	695	2920	19.9	4.87	—	2.63 J	283
Methyl Ethyl Ketone	17400	73000	7.84	19.2	3.16 J	—	7.61
Methyl-tert-butyl ether	360	1570	1.63	—	0.854 J	—	—
Methylene Chloride	2090	8760	0.653 J	0.639 J	—	0.583 J	—
Naphthalene	2.75	12	**26.8 ab**	—	—	—	—
Tetrachloroethene	139	584	0.964 J	—	—	—	—
Toluene	17400	73000	13.4	10.5	4.11	2.4 J	6.71
Trichlorotrifluoroethane, 1,1,2-	17400	73000	1.33 J	1.1 J	0.996 J	1.12 J	—
Trimethylbenzene, 1,2,4-	209	876	10.6	6.23	4.6	1.26 J	2.36
Trimethylbenzene, 1,3,5-	209	876	5.79	1.87	1.75	0.697 J	1.16 J
Xylene (Total)	348	1460	29.1	15.6	11	3.96 J	9.03

Notes:
All results are shown in micrograms per cubic meter ($\mu g/m^3$)
VISL = Vapor Intrusion Screening Level
Res VISL = Residential Target Sub-Slab and Near-source Soil Gas Concentration, TCR=1E-06, THQ=0.1 (November 2021)
Com VISL = Commercial Target Sub-Slab and Near-source Soil Gas Concentration, TCR=1E-06, THQ=0.1 (November 2021)
TCR = Target Cancer Risk
THQ = Target Hazard Quotient
J = Estimated value
— = Not detected
a = Exceeds Res VISL
b = Exceeds Com VISL

Excerpted from:
Phase II Environmental Site Assessment Block A,
Legends Park Subdivision, Memphis,Tennessee.
(EnSafe Inc. 2021)

Table 4
Residential Vapor Intrusion Risk
Block A, Legends Park Subdivision, Memphis, Tennessee

Soil Gas Location	Carcinogenic Risk	Non-carcinogenic Risk
SG01	**1.20E-05**	0.315
SG02	5.81E-07	0.034
SG03	3.81E-07	0.0104
SG04	3.57E-07	0.00442
SG05	6.61E-07	0.128

Notes:
bold = exceeds TDEC response action risk value

Excerpted from:
Lead and Asbestos Sampling Report, Edgeview at Legends Park (Block A), 945 Peach Avenue, Memphis, Tennessee 38105
EnSafe Inc. March 2023.

Table 1
Asbestos and Lead Soil Sample Results - March 15, 2023
Edgeview at Legends Park
Memphis, Tennessee

Sample ID	Asbestos	Lead
LEGSSBO1-01	Not Detected	26.1
LEGSSBO1-03	Not Detected	20.6
LEGSSBO2-01	Not Detected	32.3
LEGSSBO2-03	Not Detected	11.4
LEGSSBO3-01	Not Detected	16.1
LEGSSBO3-03	Not Detected	25.8
LEGSSBO4-01	Not Detected	18.3
LEGSSBO4-03	Not Detected	26.4
LEGSSBO5-01	Not Detected	31.4
LEGSSBO5-03	Not Detected	17.6
LEGSSBO6-01	Not Detected	33.2
LEGSSBO7-01	Not Detected	24.8
LEGSSBO8-01	Not Detected	23.5
LEGSSBO9-01	Not Detected	23.3
LEGSSBO9-03	Not Detected	20.1
LEGSSB10-01	Not Detected	31.9
LEGSSB1O-03	Not Detected	19.9
LEGSSB11-01	Not Detected	28.2
LEGSSB11-03	Not Detected	**60.1**
LEGSSB12-01	Not Detected	39.4
LEGSSB13-01	Not Detected	43.8
LEGSSB14-01	Not Detected	28.4
LEGSSB14-03	Not Detected	26.2
LEGSSB15-01	Not Detected	31.8
LEGSSB16-01	Not Detected	29.7
LEGSSB17-01	Not Detected	18.6
LEGSSB17-03	Not Detected	37.8
LEGSSB18-01	Not Detected	24.3
LEGSSB19-01	Not Detected	41.4
LEGSSB20-01	Not Detected	39.0
LEGSSB20-03	Not Detected	22.9
LEGSSB21-01	Not Detected	6.07
LEGSSB22-01	Not Detected	38.9
LEGSSB23-01	Not Detected	23.9
LEGSSB24-01	Not Detected	12.0
LEGSSB24-03	Not Detected	15.5
Residential RSL	**NE**	**400**
TN BKG	**NE**	**45**

Notes:

All lead results are in milligrams per kilogram (mg/kg) or parts per million (ppm).

RSL - U.S. Environmental Protection Agency Regional Screening Results (November 2022)

Bold indicates an exceedance of the Tennessee background concentration for lead.

TN BKG = Background Hazardous Trace Elements in Tennessee Soils, TDEC Report of Investigation No 49 (2001)

NE = Not Established

The current residential RSL for lead is 200 mg/kg.

Excerpted from Soil Sampling for Volatile Organic Compounds, Polycyclic Aromatic Hydrocarbons, and Metal, Edgeview at Legends Park, Legends Park, Block A, Memphis, Tennessee 38105
EnSafe Inc. May 2023.

Table 1
Detected Concentrations in Soil
Edgeview at Legends Park, Block A
Memphis, TN

						Sample Location:	SB25	SB25	SB26	SB26	SB27	SB28	SB29	SB29	SB30	SB31	SB32	SB33	SB33	SB34	SB34	SB34	SB35	SB35	SB35
						Sample ID:	LEGSSB25-01	LEGSSB25-03	LEGSSB26-01	LEGSSB26-03	LEGSSB27-01	LEGSSB28-01	LEGSSB29-01	LEGSSB29-03	LEGSSB30-01	LEGSSB31-01	LEGSSB32-01	LEGSSB33-01	LEGSSB33-03	LEGSSB34-01	LEGSSB34-05	LEGSSB34-09	LEGSSB35-01	LEGSSB35-05	LEGSSB35-09
						Sample Date:	04/20/2023	04/20/2023	04/20/2023	04/20/2023	04/20/2023	04/20/2023	04/20/2023	04/20/2023	04/20/2023	04/20/2023	04/20/2023	04/20/2023	04/20/2023	04/20/2023	04/20/2023	04/20/2023	04/20/2023	04/20/2023	04/20/2023
						Matrix:	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil
						Depth (ft):	1.0	3.0	1.0	3.0	1.0	1.0	1.0	3.0	1.0	1.0	1.0	1.0	3.0	1.0	5.0	9.0	1.0	5.0	9.0
Method	CAS No.	Analyte	RSL Industrial Soil (a)	RSL Residential Soil (b)	TN EKG Value (c)	Units																			
SW6010	7440-38-2	**Arsenic**	**3**	**0.68**	**10**	mg/kg	**7.68 ab**	**9.73 ab**	**10.2 abc**	**10.7 abc**	**8.7 ab**	**31 abc**	**7.75 ab**	**7.13 ab**	**6.76 ab**	**7.58 ab**	**8.19 ab**	**9.47 ab**	**7.84 ab**	**8.97 ab**	**7.62 ab**	**7.27 ab**	**8.38 ab**	**7.09 ab**	**9.82 ab**
SW6010	7440-39-3	**Barium**	22000	1500	**144**	mg/kg	**116**	**147 c**	**135**	**142**	**137**	**357 c**	**117**	**97**	**111**	**131**	**102**	**104**	**122**	**124**	**111**	**141**	**124**	**120**	**145 c**
SW6010	7440-43-9	**Cadmium**	10	0.71	1	mg/kg	**0.551**	**0.474**	**0.57**	**0.571**	**0.469**	**1.7 bc**	**0.436**	**0.334**	**0.334**	**0.39**	**0.345**	**0.415**	**0.397**	**0.465**	**0.404**	**0.378**	**0.438**	**0.267**	**0.659**
SW6010	7440-47-3	**Chromium**	NE	NE	**20**	mg/kg	**14.4**	**13.6**	**14.6**	**15.7**	**13.7**	**49.1 c**	**15.1**	**14.5**	**15.2**	**13.7**	**15.1**	**15.4**	**13.5**	**14**	**13.2**	**14.8**	**14.6**	**16**	**16.6**
SW6010	7439-92-1	**Lead**	800	400	**45**	mg/kg	**26**	**11.2**	**35.5**	**13.9**	**20.3**	**139 c**	**22.4**	**78 c**	**39.7**	**60.6 c**	**23.3**	**17.4**	**26.9**	**33.3**	**21**	**42.9**	**28.3**	**34.8**	**19.8**
SW6010	7782-49-2	Selenium	586	39	1.2	mg/kg	2.96 U	3.17 U	2.99 U	3.21 U	3.03 U	9.36 U	9.608 U	0.62 U	**0.481 J**	0.598 U	0.628 U	0.6 U	0.609 U	**0.472 J**	0.598 U	0.607 U	0.593 U	0.611 U	0.632 U
SW6010	7440-22-4	Silver	586	39	1.2	mg/kg	0.296 U	0.317 U	0.299 U	0.321 U	0.303 U	0.936 U	1.52 U	1.55 U	1.54 U	1.5 U	1.57 U	1.5 U	1.52 U	1.5 U	1.5 U	1.52 U	1.48 U	1.53 U	1.58 U
SW7471	7439-97-6	**Mercury**	4.6	1.1	**0.18**	mg/kg	**0.0633 J**	**0.0305 J**	**0.0738 J**	**0.0327 J**	**0.0854 J**	**0.3333 c**	**0.125 J**	**0.0811 J**	**0.0924 J**	**0.178 J**	**0.057 J**	**0.0687 J**	**0.076 J**	**0.0957 J**	**0.0825 J**	**0.0735 J**	**0.0648 J**	**0.0651 J**	**0.0503 J**
SW8260	95-63-6	1,2,4-trimethylbenzene	189	30	NE	mg/kg	0.0023 U	0.0025 U	0.0028 U	0.0025 U	0.0024 U	0.0085 U	0.0024 U	0.0024 U	0.0024 U	0.0025 U	0.0025 U	0.0024 U	0.0025 U	0.0024 U	0.0023 U	0.0028 U	0.0023 U	0.0024 U	**0.0026**
SW8260	78-93-3	2-Butanone (MEK)	19000	2700	NE	mg/kg	**0.0057 J**	**0.0073 J**	**0.0274 J**	**0.0088 J**	**0.0177 J**	0.0636 J	**0.0104 J**	0.0496 U	**0.0197 J**	**0.0064 J**	**0.007 J**	**0.0064 J**	**0.0174 J**	**0.011 J**	0.0479 U	**0.0054 J**	0.014 J	0.0499 U	**0.0051 J**
SW8260	67-64-1	Acetone	110000	7000	NE	mg/kg	**0.0762**	**0.0557**	**0.204**	**0.0577**	**0.23**	0.581	**0.106**	**0.0419 J**	**0.171**	**0.0919**	**0.111**	**0.0723**	**0.175**	**0.111**	**0.0411 J**	**0.0619**	**0.157**	**0.0354 J**	**0.0461 J**
SW8260	71-43-2	Benzene	5.1	1.2	NE	mg/kg	0.0023 U	0.0025 U	0.0028 U	0.0025 U	0.0024 U	0.0085 U	0.0024 U	0.0024 U	0.0024 U	0.0025 U	0.0025 U	0.0024 U	0.0025 U	0.0024 U	0.0023 U	0.0028 U	0.0023 U	0.0024 U	**0.005**
SW8260	75-15-0	Carbon disulfide	350	77	NE	mg/kg	0.0138 U	0.0126 U	0.0143 U	0.0128 U	0.0121 U	**0.0265 J**	**0.0107 J**	0.0107 J	**0.0088 J**	**0.0188**	**0.0461**	**0.0154**	0.0144	0.0164	**0.0259**	0.0141 U	**0.0194**	**0.0071 J**	**0.0085 J**
SW8260	100-41-4	Ethylbenzene	25	5.8	NE	mg/kg	0.0023 U	0.0025 U	0.0028 U	0.0025 U	0.0024 U	0.0085 U	0.0024 U	0.0024 U	0.0024 U	0.0025 U	0.0025 U	0.0024 U	0.0025 U	0.0024 U	0.0023 U	0.0028 U	0.0023 U	0.0024 U	**0.0042**
SW8260	179601-23-1	m,p-Xylene	NE	NE	NE	mg/kg	0.0047 U	0.005 U	0.0057 U	0.0051 U	0.0048 U	0.0171 U	0.0048 U	0.0049 U	0.0049 U	0.005 U	0.005 U	0.0048 U	0.0051 U	0.0048 U	0.0047 U	0.0056 U	0.0047 U	0.0049 U	**0.0047 J**
SW8260	95-47-6	o-Xylene	289	64	NE	mg/kg	0.0023 U	0.0025 U	0.0028 U	0.0025 U	0.0024 U	0.0085 U	0.0024 U	0.0024 U	0.0024 U	0.0025 U	0.0025 U	0.0024 U	0.0025 U	0.0024 U	0.0023 U	0.0028 U	0.0023 U	0.0024 U	**0.0017 J**
SW8260	135-98-8	sec-Butylbenzene	12000	780	NE	mg/kg	0.0023 U	0.0025 U	0.0028 U	0.0025 U	0.0024 U	0.0085 U	0.0024 U	0.0024 U	0.0024 U	0.0025 U	0.0025 U	0.0024 U	0.0025 U	0.0024 U	0.0023 U	0.0028 U	0.0023 U	0.0024 U	0.0025 U
SW8260	108-88-3	**Toluene**	4700	490	NE	mg/kg	0.0047 U	0.005 U	0.0057 U	0.0051 U	0.0048 U	0.0171 U	0.0048 U	0.0049 U	0.0049 U	0.005 U	0.005 U	0.0048 U	0.0051 U	0.0048 U	0.0047 U	0.0056 U	0.0047 U	0.0048 U	**0.0104**
SW8260	1330-20-7	**Xylene (Total)**	350	58	NE	mg/kg	0.0023 U	0.0025 U	0.0028 U	0.0025 U	0.0024 U	0.0085 U	0.0024 U	0.0024 U	0.0024 U	0.0025 U	0.0025 U	0.0024 U	0.0025 U	0.0024 U	0.0023 U	0.0028 U	0.0023 U	0.0024 U	**0.0064 J**
SW8270SIM	91-57-6	2-Methylnaphthalene	300	24	NE	mg/kg	**0.14**	0.00255 U	**0.00914**	0.00258 U	**0.00719**	**0.019**	**0.00299**	0.00249 U	**0.00604**	**0.0222**	**0.0026**	**0.00315**	0.00245 U	**0.00623**	**0.00375**	**0.00614**	**0.00929**	**0.00349**	0.00254 U
SW8270SIM	83-32-9	Acenaphthene	4500	360	NE	mg/kg	**0.755**	**0.000396 J**	**0.00417**	**0.00038 U**	**0.0796**	**0.0106**	**0.00105**	**0.00144**	**0.00566**	**0.0473**	**0.0033**	**0.00615**	**0.00205**	**0.00776**	**0.00526**	**0.0055**	**0.0105**	**0.00255**	**0.00265**
SW8270SIM	208-96-8	Acenaphthylene	NE	NE	NE	mg/kg	**0.0185**	**0.000849 U**	**0.00321**	**0.003**	**0.00759**	**0.021**	**0.00365**	**0.00387**	**0.0154**	**0.0273**	**0.0187**	**0.0104**	**0.00297**	**0.00653**	**0.00381**	**0.00896**	**0.0129**	**0.0137**	**0.00295**
SW8270SIM	120-12-7	Anthracene	23000	1800	NE	mg/kg	**1.35**	**0.00103**	**0.0112**	**0.00121**	**0.144**	**0.0369**	**0.00792**	**0.00715**	**0.0262**	**0.141**	**0.0174**	**0.0156**	**0.00749**	**0.0625**	**0.017**	**0.0157**	**0.0278**	**0.0132**	**0.00713**
SW8270SIM	56-55-3	**Benzo(a)anthracene**	21	1.1	NE	mg/kg	**3.14 b**	**0.0052**	**0.0855**	**0.0175**	**0.424**	**0.286**	**0.0572**	**0.0675**	**0.188**	**0.462**	**0.0888**	**0.0884**	**0.0508**	**0.58**	**0.0857**	**0.0961**	**0.156**	**0.0755**	**0.043**
SW8270SIM	50-32-8	**Benzo(a)pyrene**	2.1	0.11	NE	mg/kg	**2.46 ab**	**0.00545**	**0.0859**	**0.0189**	**0.415 b**	**0.309 b**	**0.0644**	**0.0747**	**0.183 b**	**0.402 b**	**0.103**	**0.103**	**0.048**	**0.603 b**	**0.0756**	**0.0966**	**0.151 b**	**0.0911**	**0.044**
SW8270SIM	205-99-2	**Benzo(b)fluoranthene**	21	1.1	NE	mg/kg	**3.4 b**	**0.00728**	**0.0999**	**0.0198**	**0.473**	**0.349**	**0.0864**	**0.0814**	**0.278**	**0.217**	**0.106**	**0.109**	**0.0519**	**0.509**	**0.0796**	**0.0723**	**0.159**	**0.0853**	**0.0496**
SW8270SIM	191-24-2	Benzo(g,h,i)perylene	NE	NE	NE	mg/kg	**1.23**	**0.00285**	**0.0484**	**0.00902**	**0.206**	**0.175**	**0.0415**	**0.0388**	**0.0973**	**0.214**	**0.0536**	**0.0551**	**0.0273**	**0.237**	**0.0401**	**0.053**	**0.091**	**0.0559**	**0.0271**
SW8270SIM	207-08-9	Benzo(k)fluoranthene	210	11	NE	mg/kg	**1.01**	**0.00275**	**0.0295**	**0.0094**	**0.162**	**0.128**	**0.0308**	**0.0258**	**0.0638**	**0.106**	**0.0319**	**0.039**	**0.0195**	**0.207**	**0.0244**	**0.0315**	**0.0539**	**0.0246**	**0.0206**
SW8270SIM	218-01-9	Chrysene	2100	110	NE	mg/kg	**3.29**	**0.00544**	**0.0889**	**0.0173**	**0.436**	**0.323**	**0.058**	**0.0685**	**0.186**	**0.386**	**0.0818**	**0.125**	**0.0501**	**0.581**	**0.0835**	**0.0915**	**0.144**	**0.0814**	**0.0455**
SW8270SIM	53-70-3	Dibenz(a,h)anthracene	2.1	0.11	NE	mg/kg	**0.349 b**	**0.000823 J**	**0.0116**	**0.00214**	**0.0484**	**0.0314**	**0.00925**	**0.00702**	**0.0233**	**0.024**	**0.016**	**0.0118**	**0.00647**	**0.0659**	**0.0105**	**0.0111**	**0.023**	**0.0131**	**0.00588**
SW8270SIM	206-44-0	Fluoranthene	3000	240	NE	mg/kg	**6.88**	**0.0137**	**0.148**	**0.0316**	**1.03**	**0.893**	**0.1641**	**0.1415**	**0.337**	**0.69**	**0.328**	**0.299**	**0.0925**	**0.987**	**0.179**	**0.193**	**0.231**	**0.193**	**0.0949**
SW8270SIM	86-73-7	Fluorene	3000	240	NE	mg/kg	0.66	**0.000581 J**	**0.00306**	**0.00086 U**	**0.0719**	**0.0122**	**0.00147**	**0.00159**	**0.00779**	**0.0689**	**0.00366**	**0.00729**	**0.00207**	**0.00968**	**0.00505**	**0.0071**	**0.0125**	**0.00348**	**0.00241**
SW8270SIM	193-39-5	**Indeno(1,2,3-cd)pyrene**	21	1.1	NE	mg/kg	**1.29 b**	**0.00286**	**0.0427**	**0.00849**	**0.192**	**0.165**	**0.0358**	**0.0378**	**0.0953**	**0.183**	**0.0535**	**0.0519**	**0.0213**	**0.336**	**0.0396**	**0.0516**	**0.0869**	**0.0558**	**0.0233**
SW8270SIM	91-20-3	Naphthalene	8.6	3	NE	mg/kg	**0.446**	0.00255 U	**0.00556**	0.00258 U	**0.0116**	**0.0125**	**0.00255**	0.00249 U	**0.00545**	**0.0169**	**0.00223 J**	**0.00251**	**0.00188 J**	**0.00451**	**0.00271**	**0.00442**	**0.00721**	**0.00306**	0.00254 U
SW8270SIM	85-01-8	Phenanthrene	NC	NE	NE	mg/kg	**6.28**	**0.00777**	**0.0822**	**0.00872**	**0.795**	**0.328**	**0.0453**	**0.0457**	**0.152**	**0.782**	**0.075**	**0.161**	**0.048**	**0.325**	**0.0914**	**0.0843**	**0.151**	**0.0739**	**0.0512**
SW8270SIM	129-00-0	Pyrene	2100	180	NE	mg/kg	**4.9**	**0.00973**	**0.133**	**0.0313**	**0.662**	**0.254**	**0.099**	**0.12**	**0.267**	**0.638**	**0.109**	**0.191**	**0.0764**	**0.578**	**0.193**	**0.141**	**0.179**	**0.114**	**0.0798**
		Benzo(a)pyrene equivalency		1.15*	NE	mg/kg	3.605	0.008	0.121	0.026	0.574	0.422	0.092	0.101	0.253	0.516	0.141	0.140	0.067	0.802	0.107	0.130	0.215	0.126	0.062

Notes:
CAS No. = Chemical Abstracts Service number
ft = feet
NE = Not Established
RSL Residential Soil = US EPA Regional Screening level (RSL) HQ=0.1 for Residential Soil (November 2022)
RSL Industrial Soil = US EPA Regional Screening level (RSL) HQ=0.1 for Industrial Soil (November 2022)
TN EKG Value = Tennessee soil background value
J = Estimated value
U = Non-Detect
Bold = Detected Value
Shaded/Bold = exceeds screening value
a = exceeds RSL Industrial Soil
b = exceeds RSL Residential Soil
c = exceeds TN EKG Value
* = Tennessee Department Environment and Conservation Benzo(a)pyrene Equivalency (BEQ) Screening Level for residential land use provided via email on May 5, 2023.
Red exceeds BEQ for residential use of 1.15 mg/kg.

Relative Potency Factors for Carcinogenic Polycyclic Aromatic Hydrocarbons

Compound	RPF
Benzo(a)pyrene	1
Benz(a)anthracene	0.1
Benzo(b)fluoranthene	0.1
Benzo(k)fluoranthene	0.01
Chrysene	0.001
Dibenz(a,h)anthracene	1
Indeno(1,2,3-c,d)pyrene	0.1

The current arsenic background concentration in TN is 20 mg/kg (Tennessee Department of Environment and Conservation Division of Remediation (DoR) Arsenic Naturally Occurring Background Concentrations (TDEC DoR August 3, 2021).
The current residential RSL for lead is 200 mg/kg.

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Table 1
Detected Concentrations In Soil
Edgeview at Legends Park, Block A
Memphis, TN

						Sample Location:	SB36	SB36	SB37	SB38	SB38	SB39	SB40	SB41	SB42	SB42	SB43	SB43	SB44	SB45	SB46	SB46
						Sample ID:	LEGSSB36-01	LEGSSB36-04	LEGSSB37-01	LEGSSB38-01	LEGSSB38-03	LEGSSB39-01	LEGSSB40-01	LEGSSB41-01	LEGSSB42-01	LEGSSB42-03	LEGSSB43-01	LEGSSB43-04	LEGSSB44-01	LEGSSB45-01	LEGSSB46-01	LEGSSB46-03
						Sample Date:	04/20/2023	04/20/2023	04/20/2023	04/20/2023	04/20/2023	04/20/2023	04/20/2023	04/20/2023	04/20/2023	04/20/2023	04/20/2023	04/20/2023	04/20/2023	04/20/2023	04/20/2023	04/20/2023
						Matrix:	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil
						Depth (ft):	1.0	4.0	1.0	1.0	3.0	1.0	1.0	1.0	1.0	3.0	1.0	4.0	1.0	1.0	1.0	3.0
Method	CAS No.	Analyte	RSL Industrial Soil (a)	RSL Residential Soil (b)	TN BKG Value (c)	Units																
SW6010	7440-38-2	**Arsenic**	**3**	**0.68**	**10**	mg/kg	**9.16 ab**	**8.22 ab**	**8.7 ab**	**8.1 ab**	**8.03 ab**	**8.79 ab**	**11.6 abc**	**9.05 ab**	**6.94 ab**	**6.39 ab**	**9.64 ab**	**2.79 J b**	**11.2 abc**	**9.83 ab**	**11.8 abc**	**9.23 ab**
SW6010	7440-39-3	**Barium**	22000	1500	**144**	mg/kg	**114**	**114**	**122**	**118**	**127**	**115**	**110**	**116**	**111**	**113**	**127**	**106**	**175 c**	**126**	**130**	**111**
SW6010	7440-43-9	**Cadmium**	10	**0.71**	**1**	mg/kg	**0.404**	**0.345**	**0.395**	**0.422**	**0.434**	**0.543**	**0.369**	**0.541**	**0.445**	**0.151 J**	**0.215 J**	**0.591 U**	**0.149 J**	**0.255 J**	**0.21 J**	**0.211 J**
SW6010	7440-47-3	**Chromium**	NE	NE	**20**	mg/kg	**14.4**	**13.4**	**14.3**	**14.9**	**15.7**	**15.3**	**14.5**	**14**	**13.4**	**17.2**	**15.4**	**15.3**	**20.5 c**	**16.8**	**15.2**	**15.5**
SW6010	7439-92-1	**Lead**	800	400	**45**	mg/kg	**40.6**	**37.3**	**33.4**	**31**	**25**	**24.9**	**31.2**	**51 c**	**26.2**	**17.7**	**22.6**	**9.85**	**28.9**	**12.9**	**38.3**	**10.5**
SW6010	7782-49-2	Selenium	580	39	1.2	mg/kg	0.678 U	0.684 U	0.642 U	0.587 U	0.58 U	0.584 U	0.462 J	3.05 U	3 U	3.02 U	2.96 U	2.96 U	3.13 U	3 U	2.9 U	3.12 U
SW6010	7440-22-4	Silver	580	39	1.2	mg/kg	1.7 U	1.71 U	1.61 U	1.47 U	1.45 U	1.46 U	1.51 U	0.305 U	0.3 U	1.51 U	1.48 U	1.48 U	1.56 U	1.5 U	1.45 U	1.56 U
SW7471	7439-97-6	**Mercury**	4.6	1.1	**0.18**	mg/kg	**0.0905 J**	**0.134 J**	**0.123 J**	**0.0914 J**	**0.0944 J**	**0.0799 J**	**0.0998 J**	**0.156 J**	**0.0948 J**	**0.0714 J**	**0.0671 J**	0.216 U	**0.0587 J**	**0.0397 J**	**0.0334 J**	0.216 U
SW8260	95-63-6	1,2,4-trimethylbenzene	180	30	NE	mg/kg	**0.0014 J**	**0.0033 J**	**0.0011 J**	0.0023 U	**0.0013 J**	**0.0015 J**	**0.0011 J**	0.0024 U	**0.001 J**	**0.0013 J**	0.0023 U	0.0023 U	0.0025 U	0.0024 U	0.0023 U	0.0024 U
SW8260	78-93-3	2-Butanone (MEK)	19000	2700	NE	mg/kg	**0.016 J**	**0.0101 J**	**0.0122 J**	**0.0094 J**	**0.0066 J**	**0.0107 J**	**0.0174 J**	**0.032 J**	**0.0202 J**	**0.0095 J**	**0.0358 J**	0.0472 U	**0.0245 J**	**0.0491**	**0.0405 J**	**0.0407 J**
SW8260	67-64-1	Acetone	110000	7000	NE	mg/kg	**0.185**	**0.121**	**0.157**	**0.116**	**0.0694**	**0.117**	**0.18**	**0.34**	**0.242**	**0.0891**	**0.356**	**0.0243 J**	**0.342**	**0.436**	**0.338**	**0.257**
SW8260	71-43-2	Benzene	5.1	1.2	NE	mg/kg	**0.0035**	**0.0058**	**0.0024 J**	**0.0021 J**	**0.0025**	**0.0032**	**0.0027**	**0.0025**	**0.001 J**	0.0024 U	0.0023 U	**0.001 J**	0.0025 U	**0.0011 J**	**0.0006 J**	0.0024 U
SW8260	75-15-0	Carbon disulfide	350	77	NE	mg/kg	**0.0358**	**0.016 J**	**0.0132**	**0.0128**	**0.0106 J**	**0.0337**	**0.0094 J**	**0.0147**	**0.0047 J**	**0.0043 J**	**0.0053 J**	**0.0055 J**	0.0125 U	0.012 U	0.0115 U	0.0124 U
SW8260	100-41-4	Ethylbenzene	25	5.8	NE	mg/kg	**0.0021 J**	**0.0043**	**0.0016 J**	**0.0012 J**	**0.002 J**	**0.0025**	**0.0019 J**	**0.0015 J**	**0.001 J**	**0.0022 J**	**0.0009 J**	**0.0008 J**	0.0025 U	0.0024 U	0.0023 U	0.0024 U
SW8260	179601-23-1	m,p-Xylene	NE	NE	NE	mg/kg	**0.0024 J**	**0.005 J**	**0.0019 J**	0.0047 U	**0.0023 J**	**0.003 J**	**0.0022 J**	0.0048 U	0.0048 U	**0.0025 J**	0.0047 U	0.0047 U	0.005 U	0.0048 U	0.0046 U	**0.0049 U**
SW8260	95-47-6	o-Xylene	280	64	NE	mg/kg	0.0027 U	**0.0021 J**	0.0025 U	0.0023 U	**0.0009 J**	**0.0011 J**	0.0024 U	0.0024 U	0.0024 U	**0.0009 J**	0.0023 U	0.0023 U	0.0025 U	0.0024 U	0.0023 U	0.0024 U
SW8260	135-98-8	sec-Butylbenzene	12000	780	NE	mg/kg	0.0027 U	0.0034 U	0.0025 U	0.0023 U	0.0023 U	0.0024 U	0.0024 U	0.0024 U	0.0024 U	0.0024 U	0.0023 U	0.0023 U	0.0025 U	0.0024 U	0.0023 U	**0.0064**
SW8260	108-88-3	Toluene	4700	490	NE	mg/kg	**0.0061**	**0.0103**	**0.0044 J**	**0.0039 J**	**0.0049**	**0.0067**	**0.005**	**0.0046 J**	0.0048 U	**0.0056**	0.0047 U	0.0047 U	0.005 U	0.0048 U	0.0046 U	0.0049 U
SW8260	1330-20-7	Xylene (Total)	250	58	NE	mg/kg	**0.0024 J**	**0.0071 J**	**0.0019 J**	0.0023 U	**0.0032 J**	**0.0041 J**	**0.0022 J**	0.0024 U	0.0024 U	**0.0035 J**	0.0023 U	0.0023 U	0.0025 U	0.0024 U	0.0023 U	0.0024 U
SW8270SIM	91-57-6	2-Methylnaphthalene	300	24	NE	mg/kg	**0.00383**	**0.00334**	**0.00477**	**0.00488**	**0.00861**	**0.00383**	**0.0041**	**0.00612**	**0.023**	**0.0729**	**0.0023 J**	0.00238 U	0.00252 U	0.00242 U	0.00233 U	0.00251 U
SW8270SIM	83-32-9	Acenaphthene	4500	360	NE	mg/kg	**0.00716**	**0.00407**	**0.0207**	**0.0152**	**0.0307**	**0.00518**	**0.0089**	**0.0167**	**0.196**	**0.158**	**0.0118**	**0.00349**	**0.00317**	**0.00226**	**0.00329**	0.000835 U
SW8270SIM	208-96-8	Acenaphthylene	NE	NE	NE	mg/kg	**0.00815**	**0.0132**	**0.00838**	**0.00576**	**0.00829**	**0.00648**	**0.0124**	**0.016**	**0.0109**	**0.0165**	**0.00516**	**0.000678 J**	**0.00114**	**0.00389**	**0.00159**	0.000835 U
SW8270SIM	120-12-7	Anthracene	23000	1800	NE	mg/kg	**0.0316**	**0.0174**	**0.0465**	**0.0474**	**0.0715**	**0.0168**	**0.0254**	**0.0534**	**0.373**	**0.434**	**0.0343**	**0.0126**	**0.0138**	**0.00933**	**0.00874**	0.000835 U
SW8270SIM	56-55-3	**Benzo(a)anthracene**	21	**1.1**	NE	mg/kg	**0.202**	**0.142**	**0.175**	**0.173**	**0.17**	**0.0952**	**0.133**	**0.24**	**1.18 b**	**1.76 b**	**0.195**	**0.0423**	**0.0867**	**0.0865**	**0.0574**	**0.00278**
SW8270SIM	50-32-8	**Benzo(a)pyrene**	**2.1**	**0.11**	NE	mg/kg	**0.198 b**	**0.167 b**	**0.17 b**	**0.155 b**	**0.151 b**	**0.0912**	**0.129 b**	**0.248 b**	**1.21 b**	**1.5 b**	**0.199 b**	**0.033**	**0.0775**	**0.0916**	**0.0516**	**0.00312**
SW8270SIM	205-99-2	**Benzo(b)fluoranthene**	21	**1.1**	NE	mg/kg	**0.227**	**0.163**	**0.159**	**0.157**	**0.145**	**0.0918**	**0.124**	**0.165**	**0.727**	**1.2 b**	**0.169**	**0.035**	**0.0819**	**0.096**	**0.0579**	**0.0032**
SW8270SIM	191-24-2	Benzo(g,h,i)perylene	NE	NE	NE	mg/kg	**0.104**	**0.114**	**0.0774**	**0.0861**	**0.0808**	**0.0493**	**0.0751**	**0.143**	**0.55**	**0.557**	**0.0957**	**0.017**	**0.0417**	**0.0513**	**0.0293**	**0.00278**
SW8270SIM	207-08-9	Benzo(k)fluoranthene	210	11	NE	mg/kg	**0.0783**	**0.126**	**0.0734**	**0.064**	**0.0973**	**0.0525**	**0.0655**	**0.157**	**0.598**	**0.484**	**0.0973**	**0.0141**	**0.0339**	**0.0334**	**0.0222**	**0.00103**
SW8270SIM	218-01-9	Chrysene	2100	110	NE	mg/kg	**0.191**	**0.137**	**0.183**	**0.153**	**0.167**	**0.0897**	**0.122**	**0.249**	**1.08**	**1.63**	**0.208**	**0.0364**	**0.0807**	**0.0837**	**0.053**	**0.00262**
SW8270SIM	53-70-3	**Dibenz(a,h)anthracene**	2.1	**0.11**	NE	mg/kg	**0.0252**	**0.0393**	**0.0321**	**0.0322**	**0.0321**	**0.0188**	**0.0272**	**0.054**	**0.224 b**	**0.244 b**	**0.0391**	**0.00704**	**0.017**	**0.019**	**0.0109**	0.000835 U
SW8270SIM	206-44-0	Fluoranthene	3000	240	NE	mg/kg	**0.392**	**0.219**	**0.343**	**0.316**	**0.336**	**0.178**	**0.257**	**0.465**	**2.35**	**3.1**	**0.373**	**0.0765**	**0.146**	**0.149**	**0.103**	**0.00535**
SW8270SIM	86-73-7	Fluorene	3000	240	NE	mg/kg	**0.00689**	**0.00482**	**0.0207**	**0.0182**	**0.038**	**0.00553**	**0.00873**	**0.0206**	**0.187**	**0.182**	**0.011**	**0.00463**	**0.00303**	**0.00207**	**0.0025**	0.000835 U
SW8270SIM	193-39-5	**Indeno(1,2,3-cd)pyrene**	21	**1.1**	NE	mg/kg	**0.102**	**0.135**	**0.108**	**0.107**	**0.105**	**0.0658**	**0.0966**	**0.166**	**0.492**	**0.461**	**0.113**	**0.0252**	**0.0626**	**0.0633**	**0.0465**	**0.00262**
SW8270SIM	91-20-3	Naphthalene	8.6	2	NE	mg/kg	**0.00322**	**0.00305**	**0.0065**	**0.00636**	**0.00885**	**0.00271**	**0.00412**	**0.00537**	**0.0145**	**0.139**	**0.00213 J**	0.00238 U	0.00252 U	0.00242 U	0.00233 U	0.00251 U
SW8270SIM	85-01-8	Phenanthrene	NE	NE	NE	mg/kg	**0.168**	**0.0816**	**0.244**	**0.197**	**0.28**	**0.0867**	**0.149**	**0.244**	**1.69**	**2.57**	**0.178**	**0.0498**	**0.0613**	**0.0476**	**0.0431**	**0.00206**
SW8270SIM	129-00-0	Pyrene	2300	180	NE	mg/kg	**0.312**	**0.19**	**0.267**	**0.241**	**0.246**	**0.138**	**0.206**	**0.283**	**1.78**	**2.44**	**0.279**	**0.0573**	**0.105**	**0.111**	**0.0773**	**0.00399**
		Benzo(a)pyrene equivalency		**1.15***	NE	mg/kg	0.277	0.252	0.247	0.232	0.226	0.136	0.192	0.359	**1.681**	**2.093**	**0.287**	**0.050**	**0.118**	**0.136**	**0.079**	**0.005**

Notes:
CAS No. = Chemical Abstracts Service number
ft = feet
NE = Not Established
RSL Residential Soil = US EPA Regional Screening level (RSL) HQ=0.1 for Residential Soil (November 2022)
RSL Industrial Soil = US EPA Regional Screening level (RSL) HQ=0.1 for Industrial Soil (November 2022)
TN BKG Value = Tennessee soil background value
J = Estimated value
U = Non-Detect
Bold = Detected Value
Shaded/Bold = exceeds screening value
a = exceeds RSL Industrial Soil
b = exceeds RSL Residential Soil
c = exceeds TN BKG Value
* = Tennessee Department Environment and Conservation Benzo(a)pyrene Equivalency (BEQ) Screening Level for residential land use provided via email on May 5, 2023.
Red exceeds BEQ for residential use of 1.15 mg/kg.

Relative Potency Factors for Carcinogenic Polycyclic Aromatic Hydrocarbons

Compound	RPF
Benzo(a)pyrene	1
Benz(a)anthracene	0.1
Benzo(b)fluoranthene	0.1
Benzo(k)fluoranthene	0.01
Chrysene	0.001
Dibenz(a,h)anthracene	1
Indeno(1,2,3-c,d)pyrene	0.1

The current arsenic background concentration in TN is 20 mg/kg (Tennessee Department of Environment and Conservation Division of Remediation (DoR) Arsenic Naturally Occurring Background Concentration (TDEC DoR August 3, 2021).
The current residential RSL for lead is 200 mg/kg.

Excerpted from:
Soil-Gas Sampling Report, Edgeview at Legends Park (Block A),
945 Peach Avenue, Memphis,Tennessee.
(EnSafe Inc. 2023)

Table 1
Detected Concentrations of VOCs in Soil Gas and Vapor Intrusion Risk
February/March 2023
Block A, Legends Park Subdivision
Memphis, Tennessee

Detected Concentrations of VOCs	Res VISL	SG06	SG07R	SG08R	SG09R	SG10	SG11	SG12
Acetone	NE	72.2	35.2	79.4	111	50.1	18.5	33.3
Benzene	12	1.09	—	1.08	1.63	1.47	1.74	2.09
Carbon disulfide	2,430	0.716	1.01	1.48	—	1.88	1.03	0.993
Chloromethane	313	0.477	0.442	0.754	0.748	0.915	1.35	1.12
Cyclohexane	20,900	0.84	—	—	0.94	—	0.995	—
Dichlorodifluoromethane	348	2.07	1.88	1.91	2.11	2.12	2.14	1.89
Ethanol	NE	2.96 B	5.79	—	17.8	—	16.1	2.56 B
Ethylbenzene	37.4	—	—	—	0.867	0.876	1.21	2.38
Heptane	1,390	—	—	—	1.32	—	1.44	0.937
Hexane, n-	2,430	—	—	—	—	—	3.6	—
Hexanone, 2-	104	18.6	7.44	17.6	34.2	13.5	—	19.3
Isopropanol	695	5.58	3.59	3.12	19.8	6.02	45	9.17
Methyl Ethyl Ketone	17,400	15.9	5.87	19	27.7	14	—	10
Methyl Isobutly Ketone	10,400	6.92	5.2	7.29	12.3	5.9	—	9.25
Methylene Chloride	2,090	—	0.84	—	0.743	—	1.21	—
Propene	10,400	9.5	—	7.77	11.6	7.04	—	4.48
Tetrahydrofuran	6,950	—	0.64	0.737	—	—	—	—
Toluene	17,400	2.03	2.34	2.56	3.48	2.46	8.17	8.1
Trichlorofluoromethane	NE	1.34	—	—	1.19	1.34	1.37	1.44
Trimethylbenzene, 1,2,4-	209	1.23	2.12	1.96	2.27	—	—	8.05
Trimethylbenzene, 1,3,5-	209	—	—	—	—	—	—	1.93
Xylenes, Total	348	3.91	3.73	4.06	5.3	3.4	—	15.1
Xylene, m&p-	348	2.41	2.47	2.68	2.84	1.83	2.15	10.2
Xylene, o-	348	1.49	1.26	1.38	1.53	1.57	—	4.9
Ethyltoluene, 4-	NE	—	—	—	1.28	—	—	5.1
Cumulative Vapor Intrusion Risk		**SG06**	**SG07R**	**SG08R**	**SG09R**	**SG10**	**SG11**	**SG12**
Carcinogenic Risk		9.08E-08	2.49E-10	9.00E-08	1.59E-07	1.46E-07	1.78E-07	2.38E-07
Hazard Quotient		0.0224	0.0106	0.0216	0.0386	0.0174	0.00963	0.0323

Notes:
All results are shown in micrograms per cubic meter ($\mu g/m^3$)
VOCs = Volatile organic compounds
VISL = Vapor Intrusion Screening Level
Res VISL = Residential Target Sub-Slab and Near-source Soil Gas Concentration, TCR=1E-06, THQ=0.1 (November 2022)
TCR = Target Cancer Risk
THQ = Target Hazard Quotient
NE = Not established
— = Not detected
B = Analyte found in blank
a = Exceeds Res VISL
b = Exceeds Com VISL

Excerpted from:
Soil Excavation Report, Edgeview at Legends Park (Block A),
945 Peach Avenue, Memphis,Tennessee.
(EnSafe Inc. 2025)

Table 7
Detected Concentrations of VOCs, PAHs and RCRA 8 Metals in Soil, Excavation Extent
Edgeview at Legends Park, Block A
Memphis, TN

							Sample Location:	SB42C	SB42C	SB42C	SB42C	SB42C	SB25C	SB25C	SB25C	SB25C	SB28C	SB28C	SB28C	SB28C
							Sample ID:	LEGSSB42C-01	LEGSSB42C-02	LEGSSB42C-03	LEGSSB42C-03A	LEGSSB42C-04	LEGSSB25C-01	LEGSSB25C-02	LEGSSB25C-03	LEGSSB25C-04	LEGSSB28C-01	LEGSSB28C-02	LEGSSB28C-03	LEGSSB28C-04
							Sample Date:	01/10/2024	01/10/2024	01/10/2024	01/10/2024	01/10/2024	01/10/2024	01/10/2024	01/10/2024	01/10/2024	01/10/224	01/10/2024	01/10/2024	01/10/2024
							Matrix:	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil
							Depth (ft):													
Method	CAS No.	Analyte	RSL Industrial Soil (a)	RSL Residential Soil (b)	TN BKG Value (c)	Units														
SW6010	7440-38-2	**Arsenic**	3	0.68	20	mg/kg	**6.59 ab**	**7.32 ab**	**8.35 ab**	**6.09 ab**	**8.37 ab**	**9.72 ab**	**9.23 ab**	**10.9 ab**	**7.78 ab**	**7.91 ab**	**16.2 ab**	**11.3 ab**	**8.94 ab**
SW6010	7440-39-3	**Barium**	22000	1500	144	mg/kg	**87.7**	**91.7**	**111**	**101**	**107**	**181 c**	**123**	**126**	**99.9**	**106**	**261**	**131**	**114**
SW6010	7440-43-9	**Cadmium**	10	0.71	1	mg/kg	**0.346**	**0.264**	**0.535**	**0.199**	**0.448**	**0.451**	**0.443**	**0.487**	**0.413**	**0.415**	**1.69 bc**	**0.53**	**0.469**
SW6010	7440-47-3	**Chromium**	NE	NE	20	mg/kg	**13.6**	**14.2**	**13.5**	**13.4**	**14.7**	**11.5**	**12.4**	**13.4**	**13.8**	**13.8**	**17.4**	**15.3**	**14.2**
SW6010	7439-92-1	**Lead**	800	200	45	mg/kg	**24.8**	**14**	**60.1 c**	**26.8**	**27.9**	**14.7**	**40.2**	**27.0**	**23.0**	**24.6**	**482 bc**	**70.2 c**	**39.4 c**
SW6010	7782-49-2	Selenium	580	39	1.2	mg/kg	0.423 U	0.426 U	0.432 U	0.428 U	0.423 U	0.427 U	0.441 U	0.433 U	0.435 U	0.424 U	0.431 U	0.433 U	**0.44 U**
SW6010	7440-22-4	Silver	580	39	1.2	mg/kg	0.242 U	0.241 U	0.247 U	0.245 U	0.242 U	0.244 U	0.253 U	0.248 U	0.249 U	0.243 U	0.597	0.298 J	0.252 U
SW7471	7439-97-6	**Mercury**	3	0.71	0.18	mg/kg	**0.0715 J**	**0.0634 J**	**0.164 J**	**0.114 J**	**0.176 J**	**0.0391 J**	**0.102 J**	**0.0804 J**	**0.0793 J**	**0.0586 J**	**1.05 c**	**0.152 J**	**0.113 J**
SW8260	95-63-6	1,2,4-trimethylbenzene	180	30	NE	mg/kg	0.0009 U	0.0025 U	0.0010 U	0.0024 U	0.0010 U	0.0009 U	0.0010 U	0.0011 U	0.0024 U	0.0024 U	0.0009 U	0.0010 U	0.0011 U
SW8260	78-93-3	2-Butanone (MEK)	19000	2700	NE	mg/kg	**0.0046**	**0.0073 J**	**0.0139 J**	0.00447 U	**0.0088 J**	0.0046 U	**0.0188 J**	0.0052 U	0.0059 J	**0.0149 J**	0.0047 U	0.0047 U	0.0052 U
SW8260	67-64-1	Acetone	110000	7000	NE	mg/kg	**0.0387 J**	**0.0242 J**	**0.126**	**0.0359 J**	**0.0403 J**	**0.0851**	**0.215**	**0.128**	**0.252**	**0.112**	**0.0382 J**	**0.0754**	**0.0686**
SW8260	71-43-2	Benzene	5.1	1.2	NE	mg/kg	0.0004 U	0.0004 U	0.0004 U	0.0011 U	0.0013 J	**0.00027 J**	0.0004 U	0.0004 U	0.0024 U	0.0012 J	0.0004 U	0.0004 U	0.0005 U
SW8260	75-15-0	Carbon disulfide	350	77	NE	mg/kg	0.0034 U	0.0034 U	0.0035 U	0.0045 U	0.0072 J	**0.0053 J**	0.0035 U	0.0035 U	**0.0107 J**	**0.0043 J**	0.0035 U	0.0035 U	**0.0154**
SW8260	100-41-4	Ethylbenzene	25	5.8	NE	mg/kg	0.0007 U	0.0007 U	0.0007 U	0.0014 U	**0.0008 J**	0.0007 U	0.0008 U	0.0008 U	0.0024 U	0.0024 U	0.0007 U	0.0008 U	0.0008 U
SW8260	179601-23-1	m,p-Xylene	NE	NE	NE	mg/kg	0.0017 U	0.0017 U	0.0017 U	0.0029 U	0.0018 U	0.0017 U	0.0018 U	0.0018 U	0.0049 U	0.0049 U	0.0017 U	0.0018 U	**0.0022 J**
SW8260	95-47-6	o-Xylene	280	61	NE	mg/kg	0.0009 U	0.0009 U	0.0009 U	0.0009 U	0.0010 U	0.0009 U	0.0009 U	0.0009 U	0.0024 U	0.0024 U	0.0009 U	0.0009 U	0.0010 U
SW8260	135-98-8	sec-Butylbenzene	12000	780	NE	mg/kg	0.0011 U	0.0011 U	0.0011 U	0.0016 U	0.0012 U	0.0011 U	0.0011 U	0.0011 U	0.0024 U	0.0024 U	0.0011 U	0.0011 U	0.0012 U
SW8260	108-88-3	Toluene	4700	490	NE	mg/kg	0.0039 U	0.0039 U	0.0040 U	**0.002 J**	0.0040 U	0.0039 U	0.0040 U	0.0040 U	0.0049 U	0.0049 U	0.0040 U	0.0040 U	0.0045 U
SW8260	1330-20-7	Xylene (Total)	250	58	NE	mg/kg	0.0009 U	0.0009 U	0.0009 U	0.0029 U	0.0010 U	0.0009 U	0.0009 U	0.0009 U	0.0024 U	0.0024 U	0.0009 U	0.0009 U	**0.0022 J**
SW827705M	91-57-6	2-Methylnaphthalene	300	24	NE	mg/kg	**0.0154**	0.00237 U	**0.0226**	0.00238 U	0.00249 U	0.00237 U	0.00245 U	0.00245 U	0.00249 U	**0.00317**	**0.0358**	**0.00528**	0.00244 U
SW827705M	83-32-9	Acenaphthene	4500	360	NE	mg/kg	**0.0671**	**0.00415**	**0.162**	**0.00221**	**0.00325**	0.000330 U	**0.00213**	**0.00673**	**0.00108**	**0.00873**	**0.0215**	**0.00437**	**0.00175**
SW827705M	208-96-8	Acenaphthylene	NE	NE	NE	mg/kg	**0.00506**	**0.000996**	**0.0154**	**0.00320**	**0.00405**	**0.00739**	**0.00677**	**0.000791 J**	**0.00205**	**0.0133**	**0.0514**	**0.00728**	**0.002**
SW827705M	120-12-7	Anthracene	23000	1800	NE	mg/kg	**0.166**	**0.0127**	**0.465**	**0.0100**	**0.0124**	**0.00307**	**0.00759**	**0.0149**	**0.00584**	**0.454**	**0.0575**	**0.0152**	**0.0125**
SW827705M	56-55-3	**Benzo(a)anthracene**	21	**1.1**	NE	mg/kg	**0.561**	**0.0401**	**0.08**	**0.07**	**0.0812**	**0.0161**	**0.0591**	**0.058**	**0.0294**	**0.235**	**0.460**	**0.144**	**0.0644**
SW827705M	50-32-8	**Benzo(a)pyrene**	**2.1**	**0.11**	NE	mg/kg	**0.556 b**	**0.0684**	**1.25 b**	**0.0819**	**0.101**	**0.0197**	**0.0751**	**0.0664**	**0.0337**	**0.246 b**	**0.576 b**	**0.188 b**	**0.0779**
SW827705M	205-99-2	**Benzo(b)fluoranthene**	21	**1.1**	NE	mg/kg	**0.467**	**0.054**	**1.31 b**	**0.123**	**0.0911**	**0.0208**	**0.06**	**0.0551**	**0.0325**	**0.225**	**0.535**	**0.149**	**0.0571**
SW827705M	191-24-2	Benzo(g,h,i)perylene	NE	NE	NE	mg/kg	**0.255**	**0.0309**	**0.504**	**0.0536**	**0.0553**	**0.0103**	**0.0299**	**0.0255**	**0.0191**	**0.126**	**0.419**	**0.1**	**0.0421**
SW827705M	207-08-9	Benzo(k)fluoranthene	210	11	NE	mg/kg	**0.153**	**0.0232**	**0.535**	**0.0420**	**0.0334**	**0.00795**	**0.0265**	**0.0196**	**0.0128**	**0.0851**	**0.227**	**0.0595**	**0.0367**
SW827705M	218-01-9	Chrysene	2100	110	NE	mg/kg	**0.607**	**0.0729**	**1.41**	**0.0739**	**0.0943**	**0.0203**	**0.0699**	**0.0714**	**0.0335**	**0.248**	**0.649**	**0.188**	**0.0747**
SW827705M	53-70-3	**Dibenz(a,h)anthracene**	2.1	**0.11**	NE	mg/kg	**0.103**	**0.013**	**0.195 b**	**0.0185**	**0.0204**	**0.00424**	**0.0123**	**0.011**	**0.00785**	**0.0487**	**0.132 b**	**0.0405**	**0.0153**
SW827705M	206-44-0	Fluoranthene	3000	240	NE	mg/kg	**0.06**	**0.184**	**0.49**	**0.256**	**0.168**	**0.0488**	**0.188**	**0.144**	**0.0063**	**0.059**	**1.34**	**0.292**	**0.14**
SW827705M	86-73-7	Fluorene	3000	240	NE	mg/kg	**0.0585**	**0.00306**	**0.158**	**0.00255**	**0.00265**	**0.000803 J**	**0.00237**	**0.00575**	**0.00127**	**0.0103**	**0.0245**	**0.00433**	**0.00249**
SW827705M	193-39-5	**Indeno(1,2,3-cd)pyrene**	21	**1.1**	NE	mg/kg	**0.319**	**0.038**	**0.633**	**0.0629**	**0.0648**	**0.0134**	**0.0422**	**0.0336**	**0.0234**	**0.155**	**0.418**	**0.115**	**0.00498**
SW827705M	91-20-3	Naphthalene	8.6	2	NE	mg/kg	**0.0226**	0.00177 U	**0.0289**	0.00178 U	0.00186 U	0.0017 U	0.00183 U	0.0066 U	0.00249 U	**0.00771**	**0.0327**	**0.00417**	**0.00251**
SW827705M	85-01-8	Phenanthrene	NE	NE	NE	mg/kg	**0.653**	**0.0584**	**1.79**	**0.0516**	**0.064**	**0.0215**	**0.0486**	**0.0796**	**0.0271**	**0.225**	**0.545**	**0.124**	**0.0642**
SW827705M	129-00-0	Pyrene	2300	180	NE	mg/kg	**0.695**	**0.0999**	**1.85**	**0.135**	**0.138**	**0.0336**	**0.0956**	**0.111**	**0.0502**	**0.335**	**1.00**	**0.233**	**0.113**
		Benzo(a)pyrene equivalency		1.15*	NE	mg/kg	0.79	0.10	1.78	0.13	0.15	0.03	0.10	0.09	0.05	0.36	0.85	0.27	0.11

Notes:
CAS No. = Chemical Abstracts Service number
ft = feet
NE = Not Established
RSL Residential Soil = US EPA Regional Screening level (RSL) HQ=0.1 for Residential Soil (November 2024)
RSL Industrial Soil = US EPA Regional Screening level (RSL) HQ=0.1 for Industrial Soil (November 2024)
TN BKG Value = Tennessee soil background value
J = Estimated value
U = Non-Detect
Bold = Detected Value
Shaded/Bold = exceeds screening value
a = exceeds RSL Industrial Soil
b = exceeds RSL Residential Soil
c = exceeds TN BKG Value
* = Tennessee Department Environment and Conservation Benzo(a)pyrene Equivalency (BEQ) Screening Level for residential land use provided via email on May 5, 2023.
Red exceeds BEQ for residential use of 1.15 mg/kg.

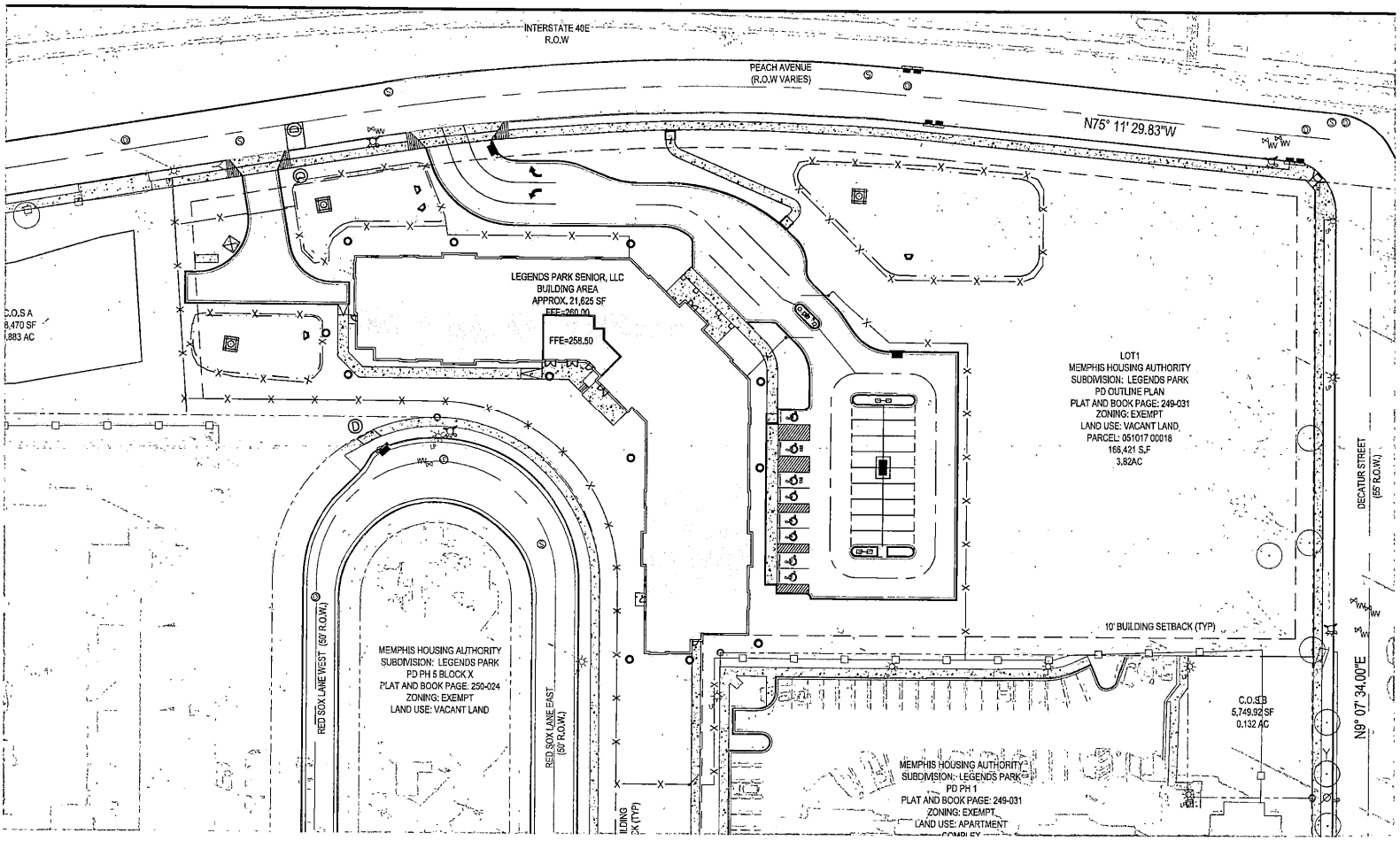
Relative Potency Factors for Carcinogenic Polycyclic Aromatic Hydrocarbons

Compound	RPF
Benzo(a)pyrene	1
Benz(a)anthracene	0.1
Benzo(b)fluoranthene	0.1
Benzo(k)fluoranthene	0.01
Chrysene	0.001
Dibenz(a,h)anthracene	1
Indeno(1,2,3-c,d)pyrene	0.1

EXHIBIT D

NOTICE OF LAND USE RESTRICTIONS

SITE MAP DEPICTING THE LOCATION OF BUILDING


INTERSTATE 40E
R.O.W
PEACH AVENUE
(R.O.W VARIES)
N75° 11' 29.83"W
LEGENDS PARK SENIOR, LLC
BUILDING AREA
APPROX. 21,625 SF
FFE=260.00
FFE=258.50
LOT1
MEMPHIS HOUSING AUTHORITY
SUBDIVISION: LEGENDS PARK
PD OUTLINE PLAN
PLAT AND BOOK PAGE: 249-031
ZONING: EXEMPT
LAND USE: VACANT LAND
PARCEL: 051017 00018
166,421 S.F
3.82AC
DECATUR STREET
(65' R.O.W.)
10' BUILDING SETBACK (TYP)
MEMPHIS HOUSING AUTHORITY
SUBDIVISION: LEGENDS PARK
PD PH 5 BLOCK X
PLAT AND BOOK PAGE: 250-024
ZONING: EXEMPT
LAND USE: VACANT LAND
RED SOX LANE WEST (50' R.O.W.)
RED SOX LANE EAST
(50' R.O.W.)
C.O.S B
5,749.92 SF
0.132 AC
MEMPHIS HOUSING AUTHORITY
SUBDIVISION: LEGENDS PARK
PD PH 1
PLAT AND BOOK PAGE: 249-031
ZONING: EXEMPT
LAND USE: APARTMENT
N9° 07' 34.00"E

Appendix G
Miscellaneous Supporting Documents

USER QUESTIONNAIRE AND PROPOSAL CHECKLIST
ASTM E1527-21 Phase I Environmental Site Assessment

Mark X	1. Applicability — Per ASTM E1527-21, if the reason for the Phase I ESA is not provided, EnSafe shall assume the purpose is to qualify for one of the landowner liability protections listed in a., b., or c. (below).
	Please identify from the lists below all applicable reasons for requesting this Phase I Environmental Site Assessment: ***Reasons applicable to the "All Appropriate Inquiries" Final Rule (40 Code of Federal Regulations Part 312):*** a. Person seeking to establish the innocent landowner defense to CERCLA liability b. Person seeking to establish bona fide prospective purchaser landowner liability protection to CERCLA liability c. Person seeking to establish the contiguous property owner landowner liability protection to CERCLA liability d. Person conducting site characterization and assessments with the use of a CERCLA grant (Brownfields) *If one of the above is applicable, please complete the "User Responsibilities" questions in Section 2.*
	Additional reasons for performing a Phase I Environmental Site Assessment: e. As part of due diligence prior to purchase f. Obtaining financing g. Selling a property h. Originating or renewing a lease i. Terminating a lease or vacating a property j. In anticipation of a property/business ownership transaction k. Establishing baseline conditions at a property l. Identifying potential business environmental risks associated with a property *A business environmental risk is defined by ASTM E1527-21 as a risk that can have a material environmental or environmentally driven impact on the business associated with the current or planned use of commercial real estate, not necessarily related to required components within the scope of an ASTM Phase I ESA. Business environmental risks are commonly associated with ASTM "non-scope issues" listed in Section 4. If Box l. is selected in this section, please complete Section 4.*

Yes	No	2. User Responsibilities
		These are tasks under the "All Appropriate Inquiries" Final Rule at 40 Code of Federal Regulations Part 312 that must be performed by or on behalf of the party seeking to qualify for a landowner liability protection to CERCLA liability. EnSafe is required to request the intended "User" of the Phase I ESA provide the information from those tasks, as it may be material in identifying recognized environmental conditions. Although the User of the Phase I ESA is not required to provide that information to EnSafe, the User remains responsible for their completion. For any boxes that are checked "Yes" please provide the additional information that you would like EnSafe to consider as part of the Phase I ESA. If the User of the Phase I ESA is not seeking a landowner liability protection to CERCLA liability but has pertinent information, answering the following questions will assist EnSafe.
☑	☐	a. Are there any environmental cleanup liens or activity and land-use limitations in place or filed or recorded against the property under federal, tribal, state, or local law, based on review of recorded land titles and judicial lien records? *If you haven't obtained the information through transaction-related title insurance documents, title abstracts, etc., would you like EnSafe to obtain and review land title records and judicial records at an additional cost (determined based on the number of parcels)? If so, please contact us for a quote.*
☐	☑	b. Do you have any specialized knowledge or experience related to the property or nearby properties? For example, are you involved in the same line of business as the current or former occupants of the property or an adjoining property so that you would have specialized knowledge of the chemicals and processes used by this type of business?
☐	☑	c. Does the purchase price being paid for this property reasonably reflect the fair market value of the property? In other words, what is the relationship of the purchase price to the fair market value of the property, if the property were not contaminated? If you conclude that there is a difference, is the lower purchase price related to contamination that is known or believed to be present at the property?

USER QUESTIONNAIRE AND PROPOSAL CHECKLIST
ASTM E1527-21 Phase I Environmental Site Assessment

☑ ☐	d. Are you aware of commonly known or reasonably ascertainable information about the property that would help EnSafe identify conditions indicative of releases or threatened releases? For example, (i.) The past uses of the property? (ii.) Specific chemicals are or have been used or stored at the property? (iii.) Spills or other chemical releases that have occurred at the property? (iv.) Environmental cleanups that have taken place at the property? (v.) Do you have other information relevant to the Phase I ESA?
☑ ☐	e. Based on your knowledge and experience related to the property, are there any obvious indicators that point to the presence or likely presence of releases at the property?
Mark X	**3. Special Reporting Requirements (if applicable)**
	Specify whether you, your client, and/or lender have special requirements for the Phase I ESA?
☒	a. No additional requirements apply to this Phase I ESA.
☐	b. Additional requirements apply and have been attached or discussed.
Mark X	**4. ASTM Non-Scope Considerations**
	If you would like EnSafe to include any of the following issues as part of the Phase I ESA, please check the appropriate box, and an EnSafe representative will contact you, as necessary, to discuss further and determine whether modifications to the attached cost estimate will be necessary.
☐	a. Asbestos-Containing Materials
☐	b. Radon
☐	c. Lead-Based Paint
☐	d. Lead in Drinking Water
☐	e. Wetlands
☐	f. Regulatory Compliance — Environmental
☐	g. Regulatory Compliance — Health and Safety
☐	h. Indoor Air Quality
☐	i. Mold
☐	j. Substances not Defined as Hazardous Substances (aka emerging contaminants such as certain per- and polyfluoroalkyl substances [PFAS])[1]
☐	k. Vapor Intrusion
☐	l. Biological Agents
☐	m. Cultural and Historic Resources
☐	n. Ecological Resources
☐	o. Endangered Species
☐	p. Industrial Hygiene
☐	q. Other (please specify)

[1] Effective July 8, 2024, the United States Environmental Protection Agency designated two PFAS — PFOA [perfluorooctanoic acid] and PFOS [perfluorooctane sulfonic acid] — as hazardous substances under CERCLA; thus, they are included within the scope of an ASTM E1527-21 Phase I ESA. Other PFAS not defined as hazardous substances under CERCLA shall remain a Non-Scope Consideration.

USER QUESTIONNAIRE AND PROPOSAL CHECKLIST
ASTM E1527-21 Phase I Environmental Site Assessment

Yes	No	5. Additional Requirements
☐	☑	Is this Phase I ESA being conducted: a. To satisfy environmental policy requirements of the Small Business Administration (SBA), or is SBA otherwise involved in lender or development aspects of this property?
☐	☑	b. To document compliance with Housing and Urban Development standards at 24 Code of Federal Regulations 58.5(i)(2) or 50.3(i)?

6. Site Contact(s)

Please provide contact information for EnSafe to gain access to the property and identify a Key Site Manager *(someone who has good knowledge of the uses and physical characteristics of the property)*.

Name: Deborah Payne
Contact Info: dpayne@memphisha.org

7. Report Addressed

If the report must be addressed to someone other than the proposal recipient, please specify the following information for each person/company/entity to which the report must be addressed.

Name: Matthew Battin
Title: Developer
Company: Pennrose LLC
Address: 1301 N 31st St
City, State, Zip: Philadelphia, PA 19121
Phone: (484) 364-9850
Email: mbattin@pennrose.com

8. Report Distribution

Reports will be provided electronically, unless otherwise specified. Email reports to: mbattin@pennrose.com

If hard copies are requested, please provide name, company, and shipping address:

9. Property Location Description

Please provide any additional descriptions of the subject property, parcel number, and/or "as-is" map showing the property boundaries and developments below or in a separate attachment.

See survey provided.

10. Form Completed By

Check if same as #7 ☑ **Date:** 03/24/2026 **Signature:** Matthew Battin

Name: Matthew Battin
Title: Developer
Company: Pennrose LLC
Address: 1301 N 31st St
City, State, Zip: Philadelphia, PA 19121
Phone: (484) 364-9850
Email: mbattin@pennrose.com

HELPFUL DOCUMENTS

Please review the below list of documents and, to the best of your knowledge, indicate if any exist and, if so, whether copies can be provided prior to the site reconnaissance or made available for review during the site reconnaissance.

Document Type	Available	Not Available
1. Environmental site assessments	☑	☐
2. Environmental site investigations	☑	☐
3. Environmental compliance audits	☐	☑
4. Environmental permits (e.g., solid waste disposal permits, hazardous waste disposal permits, wastewater permits, NPDES permits, underground injection permits, air permits)	☑	☐
5. Registrations for underground and aboveground storage tanks	☐	☑
6. Safety data sheets	☐	☑
7. Community right-to-know plans (Tier 1, Tier 2, Toxic Release Inventory)	☐	☑
8. Safety plans	☐	☑
9. Spill prevention, control, and countermeasures plan	☐	☑
10. Storm water pollution prevention plan	☐	☑
11. Reports regarding hydrogeologic conditions at the subject property	☐	☑
12. Reports regarding any self-directed or other (e.g., voluntary) cleanup activities conducted at the subject property	☐	☑
13. Notices or other correspondence from any government agency relating to past or current violations of environmental laws with respect to the subject property or relating to environmental liens encumbering the subject property	☐	☑
14. Hazardous waste generator notices	☐	☑
15. Geotechnical studies	☐	☑
16. Risk Assessments	☐	☑
17. Recorded Activity and Land-Use Limitations or Environmental Liens	☐	☑
18. Pending, threatened, or past litigation, administrative proceedings, and notices from government entity regarding violation of environmental laws or liability relating to hazardous substances or petroleum products	☐	☑

Additional Information:

Property is subject to a Brownfield Voluntary Agreement with TDEC, which has previously been provided, along with related documents (i.e., former ESAs, Phase II studies, soil management plan, etc.).

INTERVIEW QUESTIONNAIRE

This interview questionnaire has been prepared to help us collect information about the subject property. Please review this form and complete as much as possible to the best of your ability. A list of documents that will help us assess the subject property are included as the last page.

1. Facility Name: Edgeview at Legends Park II

2. Physical Address: 981 Peach Avenue

3. City, County, State: Memphis, Shelby, Tennessee

4. Property Size (acres) 1.09 acres

5. Current property owner:

- **a.** Name/Affiliation: Memphis Housing Authority
- **b.** Phone/Email: (901) 544-1141
- **c.** Date of ownership: April 1, 1953

6. Current tenant/lessee/occupant:

- **a.** Name/Affiliation: Legends Park Senior, LLC
- **b.** Phone/Email:
- **c.** Date of ownership:

7. Previous property owner(s) and contact information: United States Home and Housing Finance Agency and Public Housing Administration

8. Previous tenant(s)/lessee(s) and contact information: Legends Park Senior, LLC

9. Who provides the following services to the subject property: N/A

- **a.** Building Heat:
  - **i.** Source/type(s) of fuel:
  - **ii.** Entity providing service:
- **b.** Building Cooling:
  - **i.** Source/type(s) of fuel:
  - **ii.** Entity providing service:
- **c.** Electricity (if different from above):
- **d.** Natural gas/propane (if different from above):
- **e.** Potable water:
- **f.** Sanitary sewer:

  If Septic system, please describe
- **g.** Other Services:

10. Have you observed or are you aware of any of the following activities or items at the subject property? If yes, provide details (examples listed). Depending on the details provided, EnSafe may follow up with additional questions.

Owner Questions			
Activity/Item	**Current (Y/N)**	**Former (Y/N)**	**Details (for example)**
Aboveground storage tanks	N	N	Contents, capacity/size, age, removal date
Underground storage tanks	N	N	Contents, capacity/size, age, removal date
Hazardous substances	N	N	Types (solvents, paint), uses, quantities
Petroleum products	N	N	Types (gasoline, oil), uses (fueling, vehicle maintenance), quantities
Batteries	N	N	Automotive/industrial
Pesticides, herbicides, seed treatment, fertilizer	N	N	Container type and size, storage location, mixing areas, rinsate disposal areas
Secondary containment	N	N	Uses (tank farms, drum storage), size
Drums, totes, intermediate bulk containers, super sacs	N	N	Uses, sizes, material (steel, polyethylene), quantities, storage location/methods (inside/covered, on bare ground)
Unauthorized dumping/disposal	N	N	Source, location, date of occurrence

INTERVIEW QUESTIONNAIRE

Owner Questions			
Activity/Item	**Current (Y/N)**	**Former (Y/N)**	**Details (for example)**
Unidentified substance containers	N	N	Location
Wells	N	N	Type (monitoring, irrigation, injection, potable water supply), depth, age, active/inactive
Drains	N	N	Type (trench, grated), discharge (sanitary sewer, storm sewer, ditch, subsurface)
Sumps, oil-water separator, clarifier	N	N	Size, materials received, source, disposal/cleanout method
Stained soil or pavement	N	N	Source
Distressed vegetation	N	N	From a source other than lack of water
Interior stains on walls or floors	N	N	Source
Pits, ponds, or lagoons	N	N	Origin (manmade, natural), use (waste disposal, recreational, none), size, fill methods
Solid waste	N	N	Fill material from an unknown source, buried debris, stockpiled debris, construction/demolition debris
Hazardous waste generation	N	N	EPA ID, waste codes/types, sources, accumulation/ storage methods
Wastewater	N	N	Source, disposal type/method

Person completing form (Name/Title/Company): Deborah Payne/Memphis Housing Authority

Contact information (Phone/e-mail): (901) 544-1827 / dpayne@memphisha.org

Relation to property (Owner, occupant, property manager, etc.) _____

Date - March 25, 2026

Helpful Documents:

Please review the below list of documents. If you have any of these documents, we respectfully request that you either provide us copies prior to our arriving at the site, or have copies available for our review during the site visit.

Document Type	Available	Not Available
1. A site layout map that we can markup during our site visit (this will reduce our time onsite)	☐	☐
2. Environmental site investigation reports (Phase I, Phase II, Site Investigation, etc.)	☐	☐
3. Environmental compliance audit reports	☐	☐
4. Environmental permits (for example, solid waste disposal permits, hazardous waste disposal permits, wastewater permits, NPDES permits, underground injection permits, air permits)	☐	☐
5. Registrations for underground storage tanks and aboveground storage tanks	☐	☐
6. Registrations for underground injection systems	☐	☐
7. Safety data sheets	☐	☐
8. Community right-to-know plans (Tier 1, Tier 2, Toxic Release Inventory)	☐	☐
9. Safety plans; preparedness and prevention plans; spill prevention, countermeasure, and control plans (SPCC); facility response plans, etc.	☐	☐
10. Reports regarding hydrogeologic conditions at the subject property or surrounding area	☐	☐
11. Reports regarding any self-directed or other cleanup activities conducted at the subject property	☐	☐
12. Notices or other correspondence from any government agency relating to past or current violations of environmental laws with respect to the subject property or relating to environmental liens encumbering the subject property	☐	☐
13. Hazardous waste generator notices or reports	☐	☐
14. Geotechnical studies	☐	☐
15. Risk Assessments	☐	☐
16. Recorded activity and use limitations (AULs); Deed Notices; or similar documents	☐	☐

Additional Information:

Question #2

The address for the future development site has not been assigned and the address listed is the address for Edgeview Phase I.

Questions # 6 & 8:

Until the parcel is subdivided, Legends Park Senior LLC is listed as both the previous and current tenant of the parcel. Once subdivided, the current tenant will change to Legends Park Senior II, LLC.

Helpful Documents:

Ensafe has been provided with the most recent documents associated with the site.

Melvin Burgess
Assessor Of Property
Shelby County Government

Property Location and Owner Information

Parcel ID	051017 00021
Property Address	981 PEACH AVE
Municipal Jurisdiction	MEMPHIS
Neighborhood Number	00705C64
Tax Map Page	131H
Land Square Footage	166421
Acres	3.8205
Lot Dimensions	265.99 X 337.96 (IRR)
Subdivision Name	LEGENDS PARK PD PH 6
Subdivision Lot Number	1
Plat Book and Page	301-075
Number of Improvements	0
Owner Name	MEMPHIS HOUSING AUTHORITY
Owner Mailing Address	700 ADAMS
Owner City/State/Zip	MEMPHIS TN 38105

Appraisal and Assessment Information

Class	EXEMPT
Land Appraisal	$499,300
Building Appraisal	$0
Total Appraisal	$499,300
Total Assessment	$0
Greenbelt Land Appraisal	$0
Homesite Land Appraisal	$0
Homesite Building Appraisal	$0
Greenbelt Appraisal	$0
Greenbelt Assessment	$0

Improvement/Commercial Details

Stories	
Exterior Walls	
Land Use	- VACANT LAND
Year Built	
Total Rooms	
Bedrooms	
Bathrooms	
Half Baths	
Heat	
Fuel	
Heating System	
Fireplace Masonry	
Fireplace Pre-Fab	
Ground Floor Area	
Total Living Area	
Car Parking	

Other Buildings

Card	Year Built	Length	Width	Area	Type

Permits

Date of Permit	Amount of Permit	Permit Number	Reason
08/31/2023	$13,000,000	COM-NEW-22-000127	NEW

Sales

Date of Sale	Sales Price	Deed Number	Instrument Type
07/06/1972	$0	H26047	QC

Melvin Burgess
Assessor Of Property
Shelby County Government

Property Location and Owner Information

Parcel ID	051018 00020
Property Address	0 PEACH
Municipal Jurisdiction	MEMPHIS
Neighborhood Number	00701E01
Tax Map Page	131H
Land Square Footage	6970
Acres	0.16
Lot Dimensions	6991 SF (BAL TO ST)
Subdivision Name	CARNES
Subdivision Lot Number	22&23&W
Plat Book and Page	
Number of Improvements	0
Owner Name	EMANUEL BAPTIST CHURCH (TRS)
Owner Mailing Address	245 AYERS
Owner City/State/Zip	MEMPHIS TN 38105

Appraisal and Assessment Information

Class	RESIDENTIAL
Land Appraisal	$7,500
Building Appraisal	$0
Total Appraisal	$7,500
Total Assessment	$1,875
Greenbelt Land Appraisal	$0
Homesite Land Appraisal	$0
Homesite Building Appraisal	$0
Greenbelt Appraisal	$0
Greenbelt Assessment	$0

Improvement/Commercial Details

Stories	
Exterior Walls	
Land Use	- VACANT LAND
Year Built	
Total Rooms	
Bedrooms	
Bathrooms	
Half Baths	
Heat	
Fuel	
Heating System	
Fireplace Masonry	
Fireplace Pre-Fab	
Ground Floor Area	
Total Living Area	
Car Parking	

Other Buildings

Card	Year Built	Length	Width	Area	Type

Permits

Date of Permit	Amount of Permit	Permit Number	Reason

Sales

Date of Sale	Sales Price	Deed Number	Instrument Type
01/14/1986	$0	Y67537	QC
01/01/1969	$0	F25242	UN
11/09/1967	$0	6279-718	UN

Melvin Burgess
Assessor Of Property
Shelby County Government

Property Location and Owner Information

Parcel ID	051018 00018
Property Address	0 DECATUR
Municipal Jurisdiction	MEMPHIS
Neighborhood Number	00701E01
Tax Map Page	131H
Land Square Footage	2091
Acres	0.048
Lot Dimensions	21.47/11.6 X 100.45/100
Subdivision Name	CARNES
Subdivision Lot Number	23
Plat Book and Page	
Number of Improvements	0
Owner Name	TENNESSEE STATE OF
Owner Mailing Address	170 N MAIN
Owner City/State/Zip	MEMPHIS TN 38103

Appraisal and Assessment Information

Class	EXEMPT
Land Appraisal	$7,500
Building Appraisal	$0
Total Appraisal	$7,500
Total Assessment	$0
Greenbelt Land Appraisal	$0
Homesite Land Appraisal	$0
Homesite Building Appraisal	$0
Greenbelt Appraisal	$0
Greenbelt Assessment	$0

Improvement/Commercial Details

Stories	
Exterior Walls	
Land Use	- VACANT LAND
Year Built	
Total Rooms	
Bedrooms	
Bathrooms	
Half Baths	
Heat	
Fuel	
Heating System	
Fireplace Masonry	
Fireplace Pre-Fab	
Ground Floor Area	
Total Living Area	
Car Parking	

Other Buildings

Card	Year Built	Length	Width	Area	Type

Permits

Date of Permit	Amount of Permit	Permit Number	Reason

Sales

Date of Sale	Sales Price	Deed Number	Instrument Type
09/12/2001	$53,500	LH3925	WD
03/19/1980	$0	Z16887	QC
03/18/1980	$10,000	R33217	WD
01/16/1980	$10,000	R18943	WD

Melvin Burgess
Assessor Of Property
Shelby County Government

Property Location and Owner Information

Parcel ID	020088 00001
Property Address	1027 PEACH AVE
Municipal Jurisdiction	MEMPHIS
Neighborhood Number	00705C64
Tax Map Page	131H
Land Square Footage	5924
Acres	0.136
Lot Dimensions	34 X 175
Subdivision Name	HARVEY
Subdivision Lot Number	0 8
Plat Book and Page	
Number of Improvements	1
Owner Name	GREEN FAYE M
Owner Mailing Address	651 EAST
Owner City/State/Zip	MEMPHIS TN 38112

Appraisal and Assessment Information

Class	COMMERCIAL
Land Appraisal	$17,800
Building Appraisal	$17,600
Total Appraisal	$35,400
Total Assessment	$14,160
Greenbelt Land Appraisal	$0
Homesite Land Appraisal	$0
Homesite Building Appraisal	$0
Greenbelt Appraisal	$0
Greenbelt Assessment	$0

Improvement/Commercial Details

Land Use	- APRT GARDEN
Total Living Units	4
Structure Type	ECONOMY APTS
Year Built	1925
Investment Grade	D

Other Buildings

Card	Year Built	Length	Width	Area	Type

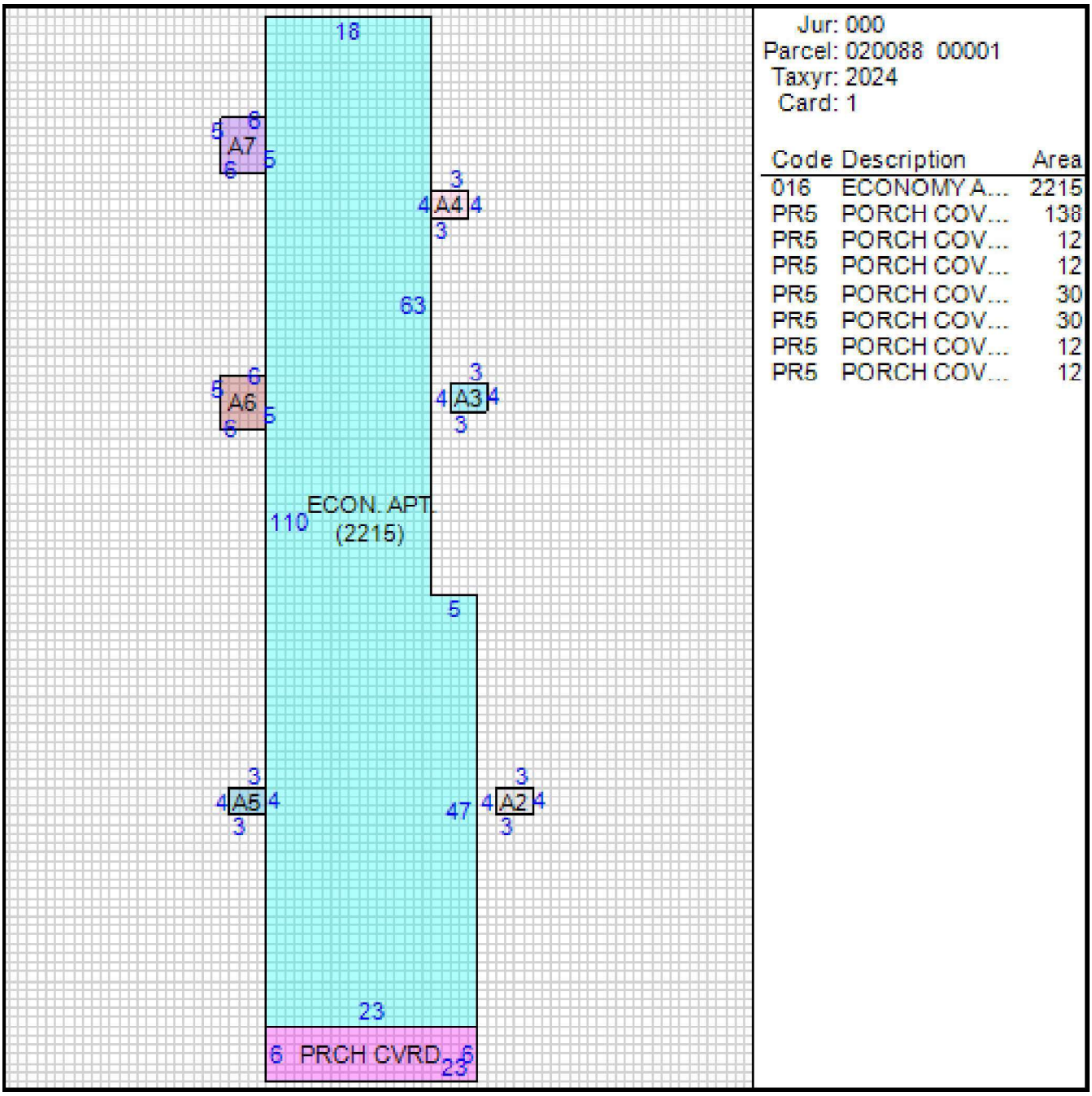
Permits

Date of Permit	Amount of Permit	Permit Number	Reason

Sales

Date of Sale	Sales Price	Deed Number	Instrument Type
05/29/2013	$0	13070464	QC
03/28/2012	$0	12040773	A
06/26/1992	$0	CY1527	A
05/28/1959	$0	372	DN

Sketch



Code	Description	Area
016	ECONOMY A...	2215
PR5	PORCH COV...	138
PR5	PORCH COV...	12
PR5	PORCH COV...	12
PR5	PORCH COV...	30
PR5	PORCH COV...	30
PR5	PORCH COV...	12
PR5	PORCH COV...	12

Melvin Burgess
Assessor Of Property
Shelby County Government

Property Location and Owner Information

Parcel ID	020088 00023
Property Address	346 DECATUR
Municipal Jurisdiction	MEMPHIS
Neighborhood Number	00701E01
Tax Map Page	131H
Land Square Footage	5227
Acres	0.12
Lot Dimensions	30 X 175
Subdivision Name	HARVEY
Subdivision Lot Number	0 8
Plat Book and Page	
Number of Improvements	0
Owner Name	GREEN FAYE M
Owner Mailing Address	651 EAST
Owner City/State/Zip	MEMPHIS TN 38112

Appraisal and Assessment Information

Class	RESIDENTIAL
Land Appraisal	$7,500
Building Appraisal	$0
Total Appraisal	$7,500
Total Assessment	$1,875
Greenbelt Land Appraisal	$0
Homesite Land Appraisal	$0
Homesite Building Appraisal	$0
Greenbelt Appraisal	$0
Greenbelt Assessment	$0

Improvement/Commercial Details

Stories	
Exterior Walls	
Land Use	- VACANT LAND
Year Built	
Total Rooms	
Bedrooms	
Bathrooms	
Half Baths	
Heat	
Fuel	
Heating System	
Fireplace Masonry	
Fireplace Pre-Fab	
Ground Floor Area	
Total Living Area	
Car Parking	

Other Buildings

Card	Year Built	Length	Width	Area	Type

Permits

Date of Permit	Amount of Permit	Permit Number	Reason
02/28/1985	$0	59051	

Sales

Date of Sale	Sales Price	Deed Number	Instrument Type
05/29/2013	$0	13070463	QC
03/28/2012	$0	12040773	A
08/24/2007	$200	07160152	QC
09/19/1995		TRD9441-1	CH

Melvin Burgess
Assessor Of Property
Shelby County Government

Property Location and Owner Information

Parcel ID	020088 00017C
Property Address	324 DECATUR ST
Municipal Jurisdiction	MEMPHIS
Neighborhood Number	00701E01
Tax Map Page	131H
Land Square Footage	56963
Acres	1.3077
Lot Dimensions	325.5 X 175
Subdivision Name	LENTI
Subdivision Lot Number	0 4
Plat Book and Page	
Number of Improvements	0
Owner Name	COLUMBUS BAPTIST CHURCH TR
Owner Mailing Address	324 DECATUR
Owner City/State/Zip	MEMPHIS TN 38105

Appraisal and Assessment Information

Class	EXEMPT
Land Appraisal	$37,500
Building Appraisal	$0
Total Appraisal	$37,500
Total Assessment	$0
Greenbelt Land Appraisal	$0
Homesite Land Appraisal	$0
Homesite Building Appraisal	$0
Greenbelt Appraisal	$0
Greenbelt Assessment	$0

Improvement/Commercial Details

Stories	
Exterior Walls	
Land Use	- RELIGIOUS
Year Built	
Total Rooms	
Bedrooms	
Bathrooms	
Half Baths	
Heat	
Fuel	
Heating System	
Fireplace Masonry	
Fireplace Pre-Fab	
Ground Floor Area	
Total Living Area	
Car Parking	

Other Buildings

Card	Year Built	Length	Width	Area	Type

Permits

Date of Permit	Amount of Permit	Permit Number	Reason

Sales

Date of Sale	Sales Price	Deed Number	Instrument Type

Melvin Burgess
Assessor Of Property
Shelby County Government

Property Location and Owner Information

Parcel ID	051017 00022
Property Address	942 PEACH AVE
Municipal Jurisdiction	MEMPHIS
Neighborhood Number	00705C64
Tax Map Page	131H
Land Square Footage	42231
Acres	0.9695
Lot Dimensions	389.44 X 130.2 (IRR)
Subdivision Name	LEGENDS PARK PD PH 6
Subdivision Lot Number	COS A&B
Plat Book and Page	301-075
Number of Improvements	0
Owner Name	MEMPHIS HOUSING AUTHORITY
Owner Mailing Address	700 ADAMS
Owner City/State/Zip	MEMPHIS TN 38105

Appraisal and Assessment Information

Class	EXEMPT
Land Appraisal	$0
Building Appraisal	$0
Total Appraisal	$0
Total Assessment	$0
Greenbelt Land Appraisal	$0
Homesite Land Appraisal	$0
Homesite Building Appraisal	$0
Greenbelt Appraisal	$0
Greenbelt Assessment	$0

Improvement/Commercial Details

Stories	
Exterior Walls	
Land Use	- COMMON AREA LAND
Year Built	
Total Rooms	
Bedrooms	
Bathrooms	
Half Baths	
Heat	
Fuel	
Heating System	
Fireplace Masonry	
Fireplace Pre-Fab	
Ground Floor Area	
Total Living Area	
Car Parking	

Other Buildings

Card	Year Built	Length	Width	Area	Type

Permits

Date of Permit	Amount of Permit	Permit Number	Reason

Sales

Date of Sale	Sales Price	Deed Number	Instrument Type
07/06/1972	$0	H26047	QC

Melvin Burgess
Assessor Of Property
Shelby County Government

Property Location and Owner Information

Parcel ID	051017 00007
Property Address	0 DECATUR ST
Municipal Jurisdiction	MEMPHIS
Neighborhood Number	00705C64
Tax Map Page	131H
Land Square Footage	50094
Acres	1.15
Lot Dimensions	54.88 X 266.55 IRR
Subdivision Name	LEGENDS PARK PD PHASE 1
Subdivision Lot Number	7
Plat Book and Page	249-031
Number of Improvements	3
Owner Name	MEMPHIS HOUSING AUTHORITY
Owner Mailing Address	700 ADAMS
Owner City/State/Zip	MEMPHIS TN 38105

Appraisal and Assessment Information

Class	EXEMPT
Land Appraisal	$150,300
Building Appraisal	$1,911,100
Total Appraisal	$2,061,400
Total Assessment	$0
Greenbelt Land Appraisal	$0
Homesite Land Appraisal	$0
Homesite Building Appraisal	$0
Greenbelt Appraisal	$0
Greenbelt Assessment	$0

Improvement/Commercial Details

Land Use	- APARTMENT COMPLEX
Total Living Units	
Structure Type	TOWNHOUSE
Year Built	2009
Investment Grade	

Other Buildings

Card	Year Built	Length	Width	Area	Type
1	2009			8,200	PAVING ASPHALT <75,000 SQ.FT.

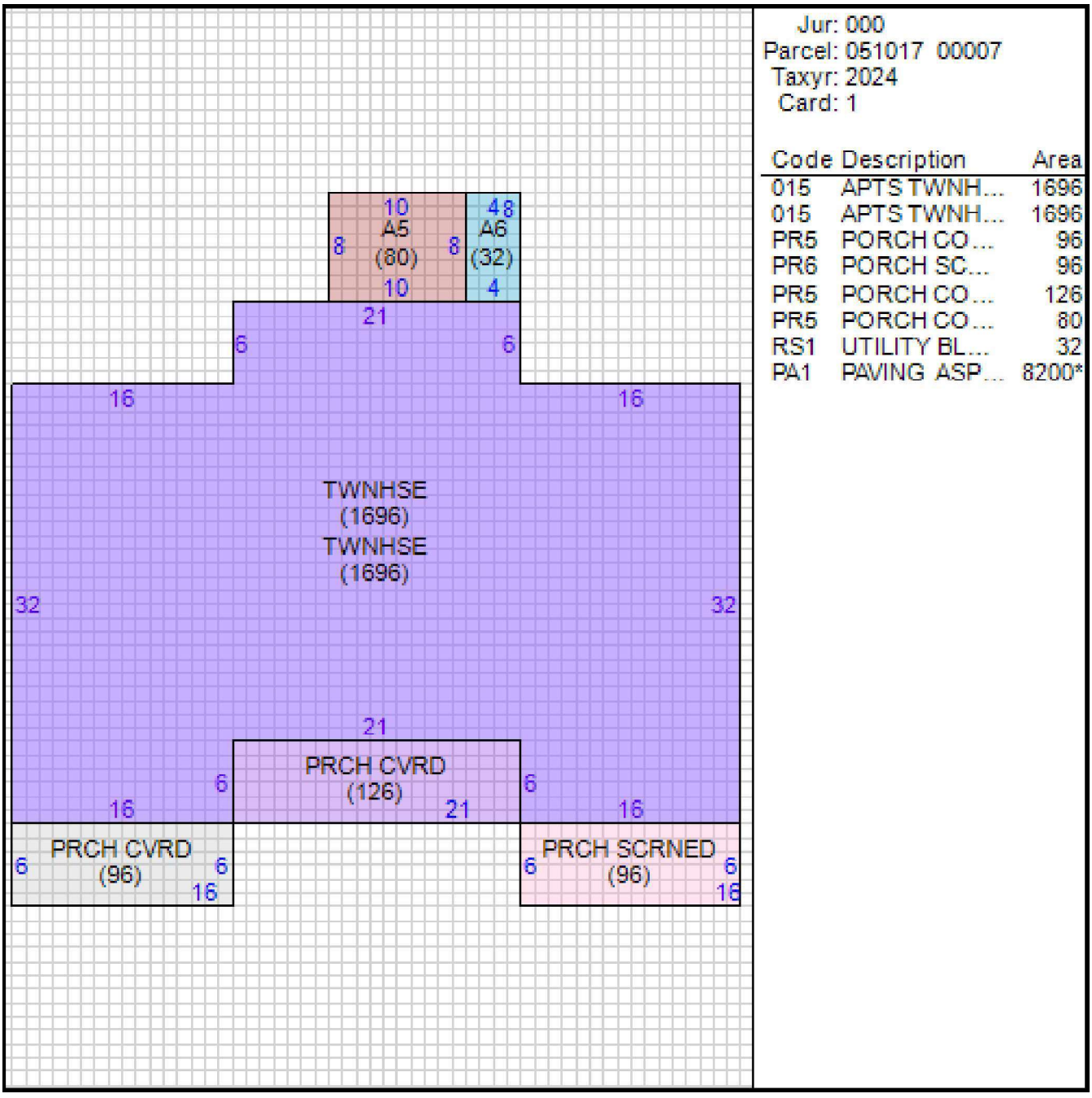
Permits

Date of Permit	Amount of Permit	Permit Number	Reason
09/30/2008		B1009199	NCT
09/30/2008		B1009200	NCT
09/30/2008		B1009389	NCT
09/30/2008		B1009390	NCT
08/28/2008	$4,550,367	B0889790	NCT

Sales

Date of Sale	Sales Price	Deed Number	Instrument Type
07/06/1972	$0	H26047	QC

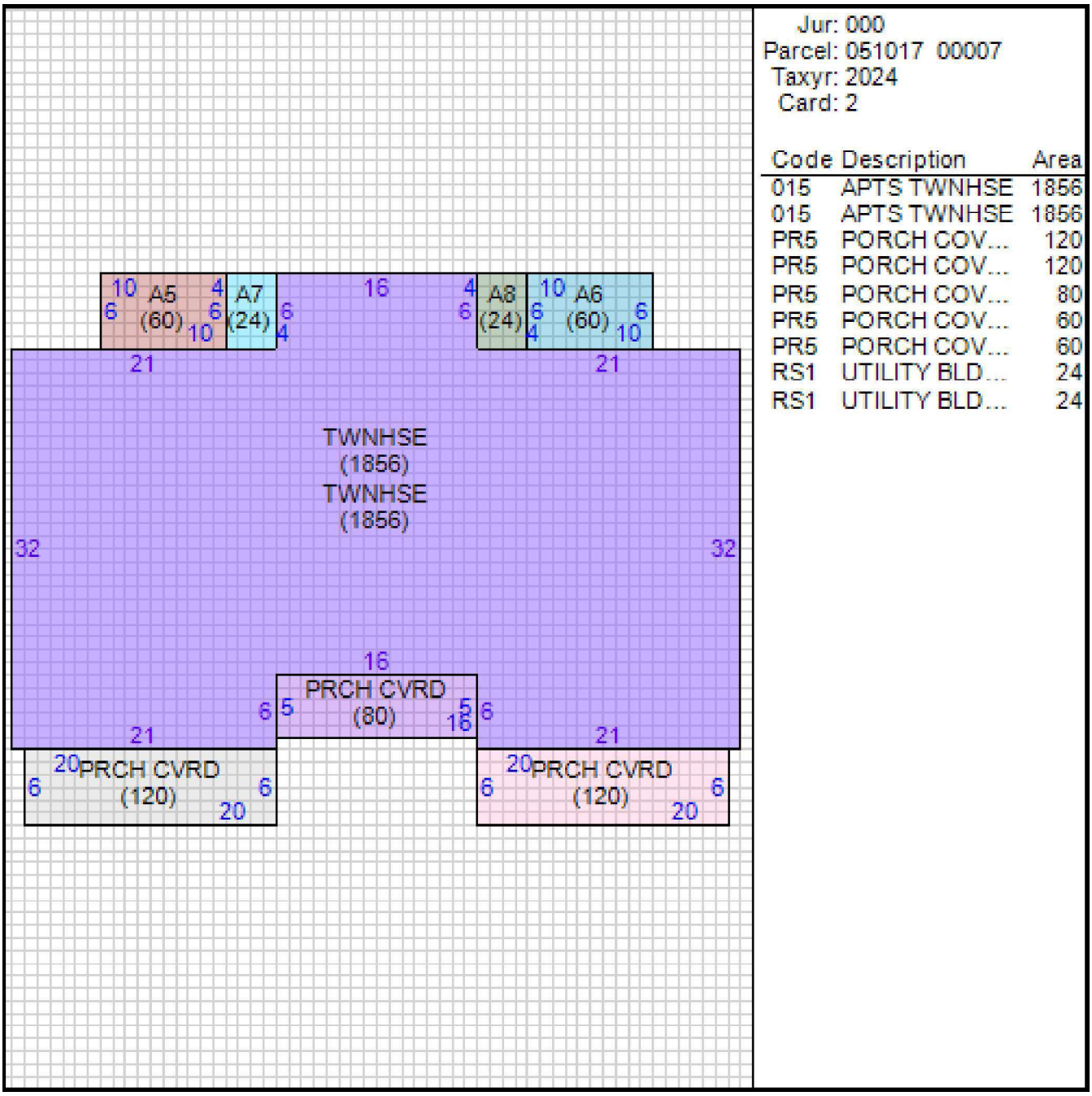
Sketch



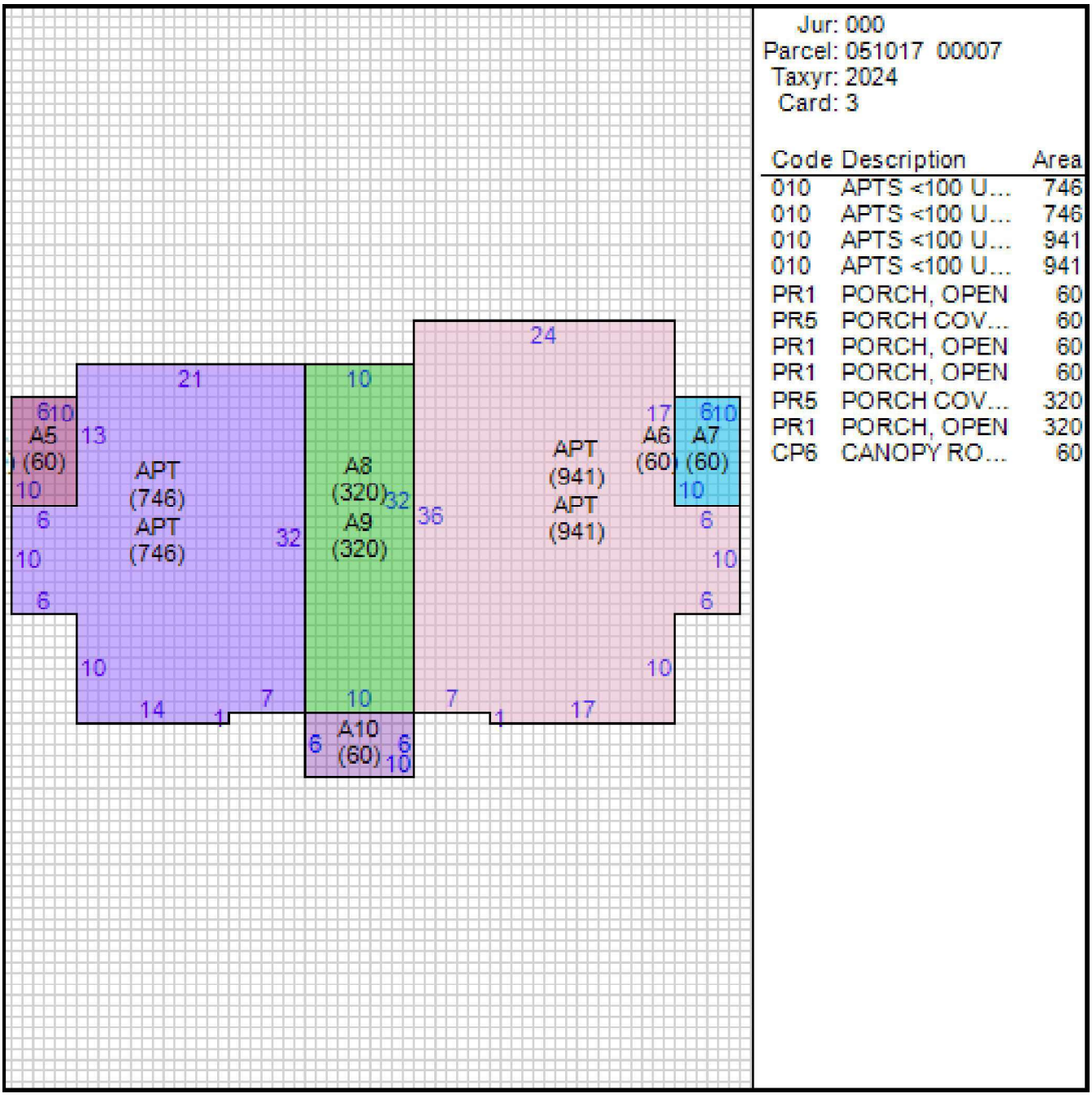
Jur: 000
Parcel: 051017 00007
Taxyr: 2024
Card: 1

Code	Description	Area
015	APTS TWNH...	1696
015	APTS TWNH...	1696
PR5	PORCH CO...	96
PR6	PORCH SC...	96
PR5	PORCH CO...	126
PR5	PORCH CO...	80
RS1	UTILITY BL...	32
PA1	PAVING ASP...	8200*

Sketch


Jur: 000
Parcel: 051017 00007
Taxyr: 2024
Card: 2
Code Description Area
015 APTS TWNHSE 1856
015 APTS TWNHSE 1856
PR5 PORCH COV... 120
PR5 PORCH COV... 120
PR5 PORCH COV... 80
PR5 PORCH COV... 60
PR5 PORCH COV... 60
RS1 UTILITY BLD... 24
RS1 UTILITY BLD... 24
A5 (60)
A7 (24)
A8 (24)
A6 (60)
TWNHSE (1856)
TWNHSE (1856)
PRCH CVRD (80)
PRCH CVRD (120)
PRCH CVRD (120)

Sketch


Jur: 000
Parcel: 051017 00007
Taxyr: 2024
Card: 3
Code Description Area
010 APTS <100 U... 746
010 APTS <100 U... 746
010 APTS <100 U... 941
010 APTS <100 U... 941
PR1 PORCH, OPEN 60
PR5 PORCH COV... 60
PR1 PORCH, OPEN 60
PR1 PORCH, OPEN 60
PR5 PORCH COV... 320
PR1 PORCH, OPEN 320
CP6 CANOPY RO... 60
A5 (60)
APT (746)
APT (746)
A8 (320)
A9 (320)
APT (941)
APT (941)
A6 (60)
A7 (60)
A10 (60)

STATE OF TENNESSEE

DEPARTMENT OF ENVIRONMENT AND CONSERVATION

DIVISION OF REMEDIATION

AMENDED AND RESTATED BROWNFIELD VOLUNTARY AGREEMENT

This Amended and Restated Brownfield Voluntary Agreement ("Agreement") addresses property located at 981 Peach Avenue, Memphis, Shelby County, Tennessee (the "Site"). The Site has been assigned site number 79-846S1 and will be referred to as the Peach Avenue/Block A East Site. This Agreement supersedes and replaces the Brownfield Voluntary Agreement dated October 3, 2023 ("Original BVA") as of the Effective Date.

I. INTRODUCTION

This Agreement is made and entered into as of the last date of execution shown herein below by and between the Tennessee Department of Environment and Conservation (hereinafter referred to as "TDEC" or the "Department") the Memphis Housing Authority ("MHA"), a body corporate and politic of the State of Tennessee, Legends Park Senior LLC, a limited liability company organized under and existing pursuant to the laws of the State of Tennessee, and Pennrose, LLC, a limited liability company organized under and existing pursuant to the laws of the State of Pennsylvania. (hereinafter collectively referred to as the "Voluntary Parties") for the purpose of addressing the Site (as defined herein), which has the real or perceived threat of the presence on the Site of hazardous substances, solid waste, or any other pollutant. The administrative record for the Site addressed in this Agreement is maintained by the Department's Division of Remediation.

David W. Salyers, P.E., is the duly appointed Commissioner of the Department. James S. Sanders, Director of the Department's Division of Remediation, has been delegated the authority to enter into this Agreement.

Pursuant to Tennessee Code Annotated § 68-212-224, the Commissioner is authorized to enter into an Agreement with a party who is willing and able to conduct an investigation and/or remediation of a hazardous substance site or Brownfield Project and who did not generate, transport or release the contamination that is to be addressed at the Site.

The Department and the Voluntary Parties agree to undertake all actions required by this Agreement. The purpose of this Agreement is to set forth a scope and schedule of activities at the above-referenced Site and respond to the actual, threatened, or perceived release of hazardous substances at the Site. In addition, this Agreement is intended to settle and resolve the potential liability of the Voluntary Parties for the real or perceived threat of the presence of hazardous substances, solid waste, or any other pollutant at the Site which might otherwise result.

II. REQUIREMENTS

A. SITE LOCATION AND HISTORY

The "Site" is located at 981 Peach Avenue, in Memphis, Shelby County, Tennessee. A legal description of the Site, an area map showing the location of the Site, and a survey map showing the Site are attached as collective Exhibit A, which is incorporated herein by reference. The Site has historically been included as part of a larger parcel of property (that has historically been referred to as Legends Park Block A and identified as 945 Peach Avenue) that was addressed in a Brownfield Voluntary Agreement for Site Number 79-846 - effective date September 9, 2009 (hereafter referred to as the 2009 BVA). The 2009 BVA addressed the presence of hydrocarbons and dry-cleaning solvents in soil gas and groundwater south (hydraulically upgradient) of the Site. The Site that is addressed in this Agreement is a portion of Legends Park Block A, consisting of approximately 3.820 acres.

The 2009 BVA required the recording of land use restrictions for the property, including the Site. The restrictions included the prohibition of water wells and use of groundwater on the property, the management of any discovered contaminated soils in accordance with a Tennessee Department of Environmental Conservation (TDEC)-approved soil management plan, and the installation of soil vapor mitigation systems for buildings constructed at the property if needed. The Notice of

Land Use Restrictions was recorded in the office of the Shelby County Register of Deeds on January 9, 2012 (Instrument No.12005040).

The Site has been developed since at least 1897 with single and multi- family residential buildings. The Site was part of the former Dixie Homes public housing development from 1937 until 2006 when the public housing development was cleared for the Legends Park redevelopment. A city directory for the year 1921 contains a reference to Minkie Jos, apparently a clothes cleaner and presser operation, as having been located at the Site. No additional information was provided in database records reviewed.

The surrounding area has been developed with residential, commercial, and light industrial properties since at least 1897, including another clothes cleaner and presser operation. Based on TDEC records reviewed, petroleum polyaromatic hydrocarbon impacted soils were used as geotechnical fill material on the west-adjoining property. To limit the risk of exposure to the petroleum polyaromatic hydrocarbons, the impacted soils were located beneath an orange "witness barrier" (i.e., safety fencing) and clean fill material on property adjoining the Site.

B. ELIGIBILITY

As required by Tennessee Code Annotated § 68-212-224(a)(4), as of the effective date of this Agreement, the Department has determined that the Site is not listed or been proposed for listing on the federal National Priorities List by the United States Environmental Protection Agency ("EPA").

The Site was accepted into the Brownfield Projects Voluntary Cleanup Oversight and Assistance Program on February 9, 2023. Pennrose, LLC and Legends Park Senior LLC were recognized by the Department as "successor parties" to the 2009 Brownfield Voluntary Agreement with regard to the Site. By entering into this Agreement, the Voluntary Parties each certify to the best of such Voluntary Party's knowledge that pursuant to Tennessee Code Annotated § 68-212-224(a)(1) the Voluntary Party did not generate, transport, or release the contamination that is to be addressed at the Site. As required by Tennessee Code Annotated § 68-212-224(a)(2), a summary description of all known existing environmental investigations, studies, reports, or documents concerning the

Site's environmental condition has been submitted to the Department by the Voluntary Party (a copy of the Summary is attached hereto as Exhibit B).

From the effective date of this Agreement, the requirements of this Agreement shall replace the requirements of the 2009 BVA with regard to the Site. However, nothing in this Agreement should be construed as affecting any obligation of MHA or any other party to the 2009 BVA with respect to the portion of Legends Park Block A not addressed in this Agreement.

C. FINANCIAL REQUIREMENTS

Tennessee Code Annotated § 68-212-224 requires consideration of a fee to enroll in the Voluntary Cleanup Oversight and Assistance Program. The Commissioner has set the following schedule of fees that may apply to all sites working in cooperation with the Department to recover the expense of oversight. These fees are in place of hourly time charges and normal travel costs during the first 150 hours of oversight for the project.

Program Entry	$ 3,000
Site Characterization	$ 2,500
Remediation	$ 3,000
Risk Assessment	$ 2,500
Beneficial Use Determination	$ 2,500
Vapor Intrusion Evaluation	$ 2,500
Voluntary Agreement/Consent Order	$ 4,000
Land Use Restrictions	$ 1,000
Institutional and Engineering Controls Compliance	$ 750

In addition to the fees identified previously, an annual longevity fee of $4,000 will be charged to the Voluntary Party on the anniversary of the date the site was accepted into the Voluntary Program until a letter requiring no further action has been issued or this Agreement has been terminated. The applicable Voluntary Party shall pay each bill referenced in this Section C within sixty (60) days of receipt by such Voluntary Party.

Applicable fees and financial requirements must be timely paid by the applicable Voluntary Party to remain in the Voluntary Cleanup Oversight and Assistance Program and to receive a letter of no further action under Section G of this Agreement. For the purpose of this Agreement, timely payment means the Department receiving payment from the Voluntary Party within 60 days of the first billing of a financial requirement or according to a payment plan agreed in writing between Voluntary Party and the Department.

Notwithstanding the foregoing, any and all cost recovery assessments arising from actions to comply with a recorded Notice of Land Use Restrictions imposed pursuant to and recorded on the Site under the terms of this Agreement, shall be due from and payable only from the particular Voluntary Party or Successor Party submitting the report to be reviewed and/or requesting the related oversight action by TDEC that gives rise to the associated fees.

D. IDENTIFICATION AND DOCUMENTATION OF MATTERS ADDRESSED

Real or perceived hazardous substances, solid wastes or other pollutants are determined to be present on this Site to an extent that may or may not have yet been fully characterized. Pursuant to Tennessee Code Annotated § 68-212-224(a)(2) the Voluntary Party has submitted to the Commissioner a summary description of all known existing environmental investigations, studies, reports or documents concerning the site's environmental condition. Based on the information submitted to the Department by or on behalf of the Voluntary Party, and the Department's own review of this information, the Parties hereto agree that the environmental conditions identified below and in the reports identified in the summary description appearing Exhibit B attached hereto, along with any final reports generated pursuant to this Agreement as reviewed and approved by the Department, are to be addressed under this Agreement (collectively referred to as the "*Matters Addressed in this Agreement*"):

Several environmental consultants have performed environmental assessment activities in association with the redevelopment of the former Dixie Homes site by and on behalf of the Memphis Housing Authority. Environmental assessment activities in that time frame also included environmental assessment activities at the Site. Environmental conditions identified during the

older environmental assessment activities and environmental assessment activities conducted by EnSafe in 2022 and 2023 are detailed below.

In October and November 2007, Hess Environmental Services conducted soil sampling across the Former Dixie Homes redevelopment site which included the Site. Soil samples were analyzed for asbestos, lead, polynuclear aromatic hydrocarbons (PAHs), Resource Conservation and Recovery Act (RCRA) 8 Metals, hexavalent chromium, and volatile organic compounds (VOCs). One (1) soil sample (Boring 340, Sample ID 584) on or near the western side of the Site had a detection of 1% Chrysotile asbestos. Asbestos was not detected in other samples collected at the Site. Lead was detected in all six composite soil samples at the Site but did not exceed its U.S. EPA residential regional screening level (RSL) of 200 milligrams per kilogram (mg/kg). Only one PAH, benzo(a)pyrene, exceeded its residential U.S. EPA regional screening level of 0.11 mg/kg in five (5) of six (6) composite soil samples collected for PAH analysis. Detected concentrations, Boring IDs, and Sample IDs are listed below.

Benzo(a)Pyrene Exceedances of Residential RSL

Detected Concentration (mg/kg)	Borings	Sample ID
0.163	333 to 336	20071009 579
0.627	337-340	20071009 585
0.187	341-344	20071009 594
0.257	345 to 348	20071010 602
0.219	357 to 360	20071109 621

Notes:
RSL Regional Screening Level
mg/kg milligrams per kilogram or parts per million
Residential RSL is 0.11 mg/kg
Industrial RSL is 2.1 mg/kg

Benzo(a)pyrene did not exceed the residential screening level of 0.11 mg/kg in the sample collected for SVOC analysis (Borings 353 to 356; Sample ID 20071109 615). Arsenic, barium, cadmium, chromium, lead, and mercury were detected in soil at the Site. Arsenic (8.56 mg/kg at

Borings 353-356 (Sample ID 20071109 616) was above its residential (0.68 mg/kg) and industrial RSL (3 mg/kg) but was detected below its literature-based background concentration of 20 milligrams per kilogram (mg/kg) recognized by the Division of Remediation. See the *Results of Comprehensive Soil Sampling, Dixie Homes Public Housing, TN1-5 and TN1-9, HES Project No. 1539.T52 Memphis, Tennessee* prepared by Hess Environmental Services, Inc. dated January 7, 2008.

In December 2022, EnSafe performed a Phase II environmental site assessment at the Site. Soil, groundwater, and soil gas samples were collected. Soil and groundwater samples were analyzed for VOCs, PAHs, RCRA 8 metals, and EPH. Soil gas was analyzed for EPA Method TO-15.

Ten (10) soil samples were collected from five (5) borings at the Site. Arsenic concentrations exceeded their residential and/or industrial Regional Screening Level (RSL) in all samples but did not exceed its literature-based background concentration of 20 milligrams per kilogram (mg/kg) recognized by the Division of Remediation. Chromium concentrations also exceeded its residential and/or industrial RSL in all soil samples detected, but exceeded its literature-based background concentration of 20 milligrams per kilogram (mg/kg) recognized by the Division of Remediation in three samples:

Location/Depth	**Concentration**
SB02 at 28 to 32 feet below ground surface (bgs)	20.2 mg/kg
SB03 at 24 to 28 feet bgs	26.3 mg/kg
SB04 at 28 to 32 feet bgs	23.0 mg/kg

Only benzo(a)pyrene (0.126 mg/kg), exceeded its residential U.S. EPA RSL of 0.11 mg/kg in soil sampled from 4 to 8 feet bgs at SB02.

Diesel range organics, oil range organics, and extractable petroleum hydrocarbons (total) were detected in soil but did not exceed the Tennessee Department of Environment and Conservation Division of Underground Storage Tank (DUST) initial screening level (ISL) of 500 mg/kg for extractable petroleum hydrocarbon.

The five (5) borings were completed as temporary monitoring wells and groundwater was sampled. None of the detections in groundwater exceeded their U.S. EPA maximum contaminant level or regional screening level for tap water.

Five (5) soil gas samples were collected and analyzed using TO-15 across the Site. Benzene (13.8 micrograms per cubic meter) exceeded its residential VISL of 12 micrograms per cubic meter and naphthalene (26.8 micrograms per cubic meter) exceeded its residential (2.7 micrograms per cubic meter) and commercial (12 micrograms per kilogram) VISLs in soil gas at SG01. Elevated concentrations of VOCs in soil gas and the risk thresholds indicate that vapor mitigation should be considered for future development within the sample area of SG-01. SG01 is in the southeast corner of the Site and is not in the area of the building constructed during redevelopment activities. See the *Phase II Environmental Site Assessment Report*, prepared by EnSafe Inc. (December 30, 2021).

In March 2023, EnSafe performed soil sampling to assess the presence of asbestos and lead at the Site. Lead was detected below its residential RSL in all soil samples collected. Asbestos was not detected in all the soil samples. See *Lead and Asbestos Sampling Report, Edgeview at Legends Park (Block A), 945 Peach Avenue, Memphis, Tennessee 38105 TDEC DoR Site ID: 79-846*, prepared by EnSafe Inc. (March 27, 2023).

In March 2023, EnSafe performed soil gas sampling within the planned building footprint and analyzed using EPA Method TO-15. The laboratory results were evaluated using EPA's vapor intrusion screening level (VISL) calculator. All locations were below 10X-6 for carcinogenic risk and were below a hazard quotient of 0.1; therefore, vapor mitigation was not required for the building based on conditions at the Site. See *Soil-Gas Sampling Report, Edgeview at Legends Park (Block A), 945 Peach Avenue, Memphis, Tennessee 38105 TDEC DoR Site ID: 79-846* dated March 27, 2023.

In April 2023, EnSafe performed soil sampling to determine if VOCs, PAHs, and RCRA 8 metals remained in surface soil at the Site. Concentrations of arsenic exceeded the background of 20 mg/kg at one sample location at SB28 from 0-to-1-foot bgs. Concentrations (49.1 mg/kg) of chromium also exceeded its background of 20 mg/kg at SB28 at 0-to-1 foot bgs. A soil removal

action completed in January of 2024, resulted in the excavation and offsite disposal of soil at sampling point SB28.

PAH results were assessed as benzo(a)pyrene equivalency (BEQ) which was compared to the Division of Remediation residential soil screening value (1.15 mg/kg). The BEQ results were below the residential screening value for all soil samples, except SB25 from 0 to 1-foot bgs and SB42 from 0 to 1-foot bgs and from 1 to 3 feet bgs. See *Soil Sampling for Volatile Organic Compounds, Polycyclic Aromatic Hydrocarbons, and Metals, Edgeview at Legends Park, Legends Park, Block A, Memphis, Tennessee 38105 TDEC DoR Site ID: 79-846* dated May 15, 2023. A soil removal action completed in January of 2024, resulted in the excavation and offsite disposal of soil at sampling points SB25 and SB42.

The Voluntary Parties are proposing to develop this Site as a senior living facility. The Memphis Housing Authority is (and will remain) the fee owner of the Site. It is also the co-developer of the senior living facility. Legends Park Senior LLC will be the long-term leaseholder of the Site. Pennrose, LLC is the co-developer of the senior living facility.

Pursuant to this Agreement, the Voluntary Parties are not being required to fully remediate the pre-existing environmental conditions noted above, but each is required to take certain actions specified in this Agreement to ensure that the identified environmental impacts and conditions do not pose a threat to human health or the environment during and after completion of the redevelopment.

The Voluntary Parties agree that criteria required in Tennessee Code Annotated § 68-212-206(d) shall be used in determining containment and cleanup actions, including monitoring and maintenance options to be followed under this Agreement.

E. AGREED LIABILITY RELIEF

As the current owner or operator, or upon becoming an owner or operator of the Site, each Voluntary Party may occupy the status of a "liable party" pursuant to the definition of that term contained in Tennessee Code Annotated § 68-212-202(4). The Commissioner is authorized by

Tennessee Code Annotated § 68-212-224 to determine an apportionment of liability pursuant to factors in Tennessee Code Annotated § 68-212-207 as well as other equitable factors in an Agreement. Further, Tennessee Code Annotated § 68-212-224(a)(5) provides that the Commissioner is authorized to limit the liability of a participant in a voluntary agreement or consent order entered into pursuant to Tennessee Code Annotated § 68-212-224. Such voluntary agreement or consent order may limit the liability of such participant to the obligations set forth therein and exempt the participant from any further liability under any statute administered by the Department for investigation, remediation, monitoring, and/or maintenance of contamination identified and addressed in the voluntary agreement or consent order. The Commissioner may extend this liability protection to successors in interest or in title to the participant, contractors conducting response actions at the Site, developers, future owners, tenants, and lenders, fiduciaries, or insurers (collectively "Successor Parties"). The Commissioner agrees that the implementation of the actions agreed upon in Section G will constitute satisfaction of the apportioned liability of the Voluntary Parties under all environmental statutes administered by the Department for the *"Matters Addressed in this Agreement"*.

The Voluntary Parties and any of the Successor Parties, however, remain potentially responsible for any release of hazardous substances or other pollutants that occurs at the Site after the effective date of this Agreement while it owns or operates the Site or for environmental conditions other than *Matters Addressed in this Agreement*.

In accordance with the above referenced authority, the Department agrees that other than with respect to the obligations set forth in this Agreement, including without limitation the implementation of the actions agreed upon in Section G to the extent applicable to each Voluntary Party and any Successor Party, the Voluntary Parties and any Successor Parties shall bear no liability to the State of Tennessee under any statute administered by the Department for investigation, remediation, monitoring, treatment, and/or maintenance of environmental conditions identified in and addressed in Section D of this Agreement; provided, however, that to the extent that any Voluntary Party or Successor Parties has or maintains an interest in the Site, or possesses and/or controls all or a portion of the Site, its liability protections herein are contingent upon its continued adherence and enforcement of any land use restrictions imposed pursuant to or as a result of this Agreement. Nothing in this Agreement shall be construed as limiting the liability

or potential liability of any Voluntary Party for environmental conditions occurring after the effective date of this Agreement or for environmental conditions not identified and addressed in this Agreement. This liability protection and all other benefits conferred by this Agreement are extended to all future "Successor Parties" conditioned upon performance of the obligations contained in this Agreement and compliance with the Land Use Restrictions (hereinafter defined); provided, that such liability protection to other persons does not apply to the extent that such liability arose prior to the effective date of this Agreement. For the avoidance of doubt, a breach of this Agreement by a successor-in-interest or a successor-in-title will not alter the liability protection provided to a predecessor-in-interest or in-title.

F. ADMINISTRATIVE SETTLEMENT; THIRD PARTY LIABILITY

Tennessee Code Annotated § 68-212-224(a)(6), subject to the notice requirements provided therein, provides that this Agreement also constitutes an administrative settlement for purposes of Section 113(f) of CERCLA, 42 U.S.C. § 9613(f), for inactive hazardous substance sites. The Voluntary Parties and Successor Parties (as hereinafter defined) have, as of the effective date of this Agreement, resolved their liability to the State of Tennessee for *Matters Addressed in this Agreement*.

The Voluntary Parties shall not be liable to third parties for contribution regarding *Matters Addressed in this Agreement*; provided that, the Voluntary Parties gave the third party actual or constructive notice of this Agreement, and the third party was given an actual or constructive opportunity to comment upon this Agreement. The Voluntary Parties have demonstrated to the Department that constructive notice was accomplished by publishing a summary of the Original BVA in the Commercial Appeal at least thirty (30) days prior to its effective date.

Nothing in this Agreement shall impair the rights of third parties with respect to tort liability claims for damage to person or property arising from the contamination addressed by this Agreement.

G. AGREED ACTIONS TO BE TAKEN

The Voluntary Parties agree to conduct the following activities in order to address remedial action(s) recommended, including any monitoring and/or maintenance associated with such activities. The Voluntary Parties shall conduct all activities required by this Agreement in accordance with all applicable work plans, as approved by TDEC, all applicable laws and regulations, and any appropriate guidance documents. The Department has determined that the actions in this Agreement constitute "reasonable steps" with respect to *Matters Addressed in This Agreement.*

The Voluntary Party agrees as specified below to conduct the following activities:

1. The Voluntary Parties shall record or cause to be recorded a Department-approved Notice of Land Use Restrictions ("NLUR") within thirty (30) days of a request from the Department, in writing, that the NLUR be recorded. Upon recording, a copy of the NLUR shall be mailed to all local governments having jurisdiction over any part of the subject property. Additionally, a copy of the recorded NLUR shall be provided to the Department. Any party receiving liability protection under this Agreement that seeks approval for restricted uses or seeks to cancel or make a restriction less stringent shall be responsible for any costs incurred by the Department in the review and oversight of work associated with the restriction modification.

2. Voluntary Parties agree to:

    - To implement a TDEC-approved soil management plan (as may be amended) during the redevelopment activities (including land disturbance activities) planned for the Site and to implement the health and safety plan submitted to the Department with the soil management plan. For the Site, the most recently approved soil management plan replaces any other soil management plan that may have been previously approved for the Site pursuant to the 2009 BVA.

- To prepare and implement a soil management plan to be approved by the Department for land disturbance activities occurring after the completion of development activities at the Site.
- Upon completion of the land disturbance work associated with the redevelopment of the Site, the Voluntary Parties agrees to submit to the Department a report on the land disturbance work, including any waste manifests evidencing offsite disposal, if any, of soils or other materials.
- Environmental assessment activities conducted by or on behalf of the Voluntary Parties have demonstrated that vapor intrusion mitigation is not required for the building to be constructed as part of the planned development. However, the Voluntary Parties are incorporating vapor intrusion mitigation into the building to be constructed as part of the planned redevelopment at the Site). A plan for the design of the vapor intrusion mitigation system was submitted to the Department on or about February 7, 2023. The Department approved that plan, with comments, by a letter dated August 6, 2023. The Voluntary Parties shall submit a report to the Department evidencing the installation of the vapor intrusion mitigation system, including the details of the installation, compliance with any manufacturer's specifications and photographs evidencing the installation work.
- Before constructing any additional building or the expansion of the existing building (the location of the existing building is depicted on the site map attached hereto as Exhibit C), an assessment of the risk of vapor intrusion shall be conducted pursuant to a plan approved by the Department. If a vapor mitigation system is determined by TDEC to be warranted based upon the data evaluation in order to safely allow occupancy of such additional buildings or an expansion to the planned building, such construction or expansion is prohibited until such structure(s) are equipped with an appropriate passive or active mitigation system as proposed by the Property owner and approved by TDEC. Such system, either passive or active, shall have associated with it an appropriate period of verification sampling and operation and maintenance performance and reporting, with specific requirements determined by TDEC.

Upon completion of all tasks set forth in this Agreement, the Department shall issue to the Voluntary Parties a letter stating the requirements of this Agreement have been fulfilled and no further action is required of the Voluntary Parties concerning contamination identified and addressed in this Agreement. Upon the request of a Voluntary Party from time to time, the Department shall issue an interim status letter identifying what specific obligations remain to achieve completion of the work under this Agreement. Issuance of a no further action letter shall not relieve the Voluntary Party receiving such letter of any responsibilities for operation and maintenance activities or continued adherence to and enforcement of land use restrictions, if any, pursuant to Tennessee Code Annotated § 68-212-225. The Department reserves the right to require any Voluntary Party to take additional action for contamination caused by such Voluntary Party occurring after the date of this Agreement or for environmental conditions other than *Matters Addressed in this Agreement*.

H. ADDITIONAL REQUIREMENTS

1. Any Voluntary Party may request a time extension for any deadline included in this Agreement prior to the deadline. The time extension may be granted through mutual consent for good cause shown.

2. Any Voluntary Party and Successor Parties agree not to disturb, move, or remove any areas of hazardous substances, solid waste, or other pollutant(s) that are subject to liability protection under this Agreement without written approval by the Department unless the activities are being conducted under the terms and conditions of this Agreement or necessitated by the normal day-to-day activities of any on-going business.

3. Pursuant to Tennessee Code Annotated § 68-212-222, whether or not permits are required for onsite cleanup activities related to *Matters Addressed in this Agreement*, such activities shall meet the standards that would apply if such permits were required.

4. The Department acknowledges that the Voluntary Parties may conduct additional

development activities at the Site in addition to preparing the Site for potential development for Successor Parties and that the Voluntary Parties enter into this Agreement in order to facilitate the potential development of the Site or Successor Parties' potential development of the Site. The Department further acknowledges that one or more Successor Parties may develop different portions of the Site. Accordingly, any Successor Party may assume the obligations and liability protections provided under this Agreement upon such Successor Party' acquisition of property interests in the Site. The Voluntary Party or any Successor Party that transfers its interest at the Site or no longer conducts operations at the Site shall be relieved of any further obligations under this Agreement.

I. SITE ACCESS

During the effective period of this Agreement, and until the Department's issuance of a No Further Action Letter upon the Voluntary Parties' completion of all activities under this Agreement, each Voluntary Party, and any Successor Party shall, to the extent it is in control of the Site, provide the Department and its representatives or designees access during normal business hours to the Site to the extent that such Voluntary Party has the power and authority to grant such access. Nothing herein shall limit or otherwise affect the Department's right of entry, pursuant to any applicable statute, regulation, or permit. The Department and its representative shall comply with all reasonable health and safety plans published by any Voluntary Party, Successor Party or their contractors and used by Site personnel for the purpose of protecting life and property.

J. SUBMISSION OF INFORMATION, REPORTS, OR STUDIES

The Department may deny submission or approval of any reports or studies performed by or on behalf of the Voluntary Parties and submitted under the terms of this Agreement that do not contain the following statement:

> "I certify under penalty of law, including but not limited to penalties for perjury, that this document and all attachments were prepared by me, or under my direction or supervision. The submitted information contained in this document and on any attachment is true, accurate and complete to the best of my knowledge, information, and belief. I am aware

that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for intentional violation. As specified in Tennessee Code Annotated § 39-16-702(a)(4), this declaration is made under penalty of perjury."

K. RESERVATION OF RIGHTS

1. This Agreement shall not be construed as waiving any right or authority available to the Commissioner to assess responsible parties other than any Voluntary Party or Successor Parties for liability for civil penalties or damages incurred by the State, including any natural resource damage claims which the Department or the State of Tennessee may have under Section 107 of the Comprehensive Environmental Response, Compensation and Liability Act ("CERCLA") or any other statute, rule, regulation, or common law.

2. Nothing in this Agreement shall be construed as limiting or waiving any right or authority available to the Commissioner to require a liable party to address contamination occurring after the effective date of this Agreement or for environmental conditions other than *Matters Addressed in this Agreement.*

3. Nothing in this Agreement shall be interpreted as limiting the Voluntary Parties' right to preserve the confidentiality of attorney work product or client-attorney communication. Tennessee Code Annotated § 68-212-202 et seq. contains no provisions for confidentiality or proprietary information. Therefore, records, reports, test results, or other information submitted to the Department under this Agreement shall be subject to public review. Any and all records, reports, test results or other information relating to a hazardous substance site or the possible hazardous substance at the Site submitted under this Agreement may be used by the Department for all purposes set forth in Tennessee Code Annotated § 68-212-201, et seq.

4. Any Voluntary Party or any of their Successor Parties may terminate this Agreement as it pertains to such terminating party at any time upon written notice to the Department during the time period that such party owns the Site and/or conducts operations at the Site. Upon such termination, the terminating party shall have no further obligations hereunder other than payment of outstanding oversight costs, if any, accrued to the date of notice of

termination and adherence to any notice of land use controls filed under Tennessee Code Annotated § 68-212-225; provided, that the terminating party and the Department shall have and retain all authority, rights, and defenses as if this Agreement had never existed between the terminating party and the Department.

5. [Reserved.]

6. In the event any Voluntary Party or Successor Party does not fulfill all the requirements established in this Agreement, the Commissioner may seek to enforce the Agreement through any legal remedy.

7. If any provision of this Agreement is held to be invalid or unenforceable by a court of competent jurisdiction, then the remaining provisions of this Agreement will remain in full force and effect.

8. Nothing in this Agreement shall be interpreted as limiting the liability for the improper management and/or disposal of contaminated material removed from the Site.

9. If any Voluntary Party or any Successor Party breaches this Agreement, and the Department, in its sole discretion, determines that the breach is curable, the Department shall provide the Voluntary Party or any designated Successor Party written notice of the breach and a period of at least 30 days for such Voluntary Party or Successor Party, or any third party with authority to act on behalf of or in the place of such Voluntary Party or Successor Party, to cure the breach. The Voluntary Party and any Successor Party agree that the Department is not required to provide notice and opportunity to cure for successive or repeated breaches, or if the Department determines, it its sole discretion, that a breach poses an imminent, substantial danger to the public health or safety or to the environment. The Department shall not be deemed to have waived and rights or remedies available at law or under this Agreement by providing the opportunity to cure any breach of this Agreement.

The individuals signing below on behalf of each Voluntary Party represents that they are duly authorized agents, capable of entering into a binding Agreement on behalf of the Voluntary

Party. By entering into this Agreement, these individuals certify that the Voluntary Party did not generate or did not cause to generate, transport, or release contamination that is to be addressed at this Site.

The Effective Date of this Agreement is the last date of execution shown below.

MEMPHIS HOUSING AUTHORITY

By: _____
(Authorized Signatory)

Dexter Washington
(Print Signatory's Name & Title)

Date: February 9, 2026

700 Adams Avenue
(Address)

Memphis, TN 38105
(City, State, Zip Code)

STATE OF TENNESSEE DEPARTMENT OF ENVIRONMENT AND CONSERVATION

By: _____
James S. Sanders
Director, Division of Remediation

JAMES S SANDERS
(Print Director's Name)

Date: 2/12/2026

Approved as to form and legality:

_____
Payton Bradford (BPR #35053)
TDEC Office of General Counsel

LEGENDS PARK SENIOR LLC
By: LEGENDS PARK SENIOR MM LLC, its managing member
By: PENNROSE HOLDINGS, LLC, its manager

By: _____
(Authorized Signatory)

Timothy I. Henkel, Chief Executive Officer
(Print Signatory's Name & Title)

Date: February 5, 2026

1301 N 31st Street
(Address)

Philadelphia, PA 19121
(City, State, Zip Code)

PENNROSE, LLC

By: _____
(Authorized Signatory)

Timothy I. Henkel, Chief Executive Officer
(Print Signatory's Name & Title)

Date: February 6, 2026

1301 N 31st Street
(Address)

Philadelphia, PA 19121
(City, State, Zip Code)

EXHIBIT A

TO AMENDED AND RESTATED **BROWNFIELD VOLUNTARY AGREEMENT**

LEGAL DESCRIPTION, AREA MAP AND SITE SURVEY

LEGAL DESCRIPITION

All that certain lot or parcel of land situate in the County of Shelby, State of Tennessee, and being more particularly described as follows:

SAID LAND BEING a part of Block "A" Plat Book 249, Page 31, Shelby County, Tennessee Records, and being more particularly described as follows:

A tract of land situated in Memphis, Shelby County, Tennessee being part of the Memphis Housing Authority property of record in Book 3094, Page 267 and being part of Block A of Legends Park Planned Development of record in Plat Book 240, Page 6 in the Shelby County Register's Office and being more particularly described as follows:

BEGINNING at a point in the proposed west line of Decatur Street (55' R.O.W.) being 5.08 feet southwardly from the extension of Peach Avenue (part of Interstate 40 – R.O.W. varies); thence South 09 degrees 07 minutes 34 seconds West along said west line a distance of 265.99 feet to a point; thence North 80 degrees 52 minutes 23 seconds West a distance of 337.96 feet to a point; thence South 09 degrees 13 minutes 58 seconds West a distance of 165.55 feet to a point in the north line of Delmar Avenue (60' R.O.W.); thence North 80 degrees 52 minutes 04 seconds West along said north line a distance of 39.08 feet to a point of curvature; thence northwestwardly along a curve to the right having a radius of 30.00 feet, a central angle of 90 degrees 06 minutes 03 seconds, a chord bearing of North 35 degrees 49 minutes 02 seconds West, a chord distance of 42.46 feet, a distance along its arc of 47.18 feet to a point of tangency in the east line of Red Sox Lane East (50' R.O.W).; thence North 09 degrees 13 minutes 59 seconds East along said east line a distance of 175.02 feet to a point of curvature; thence northwestwardly along said east line and along a curve to the left having a radius of 93.00 feet, a central angle of 90 degrees 06 minutes 16 seconds, a chord bearing of North 35 degrees 49 minutes 09 seconds West, a chord distance of 131.64 feet, a distance along its arc of 146.25 feet to a point of tangency; thence North 80 degrees 52 minutes 23 seconds West a distance of 142.56 feet to a point; thence North 05 degrees 08 minutes 58 seconds East a distance of 130.20 feet to a point in the south line of said Peach Avenue; thence North 89 degrees 34 minutes 15 seconds East along said south line a distance of 108.92 feet to a point of curvature; thence eastwardly along said south line and along a curve to the right having a radius of 1248.24 feet, a central angle of 15 degrees 06 minutes 49 seconds, a chord bearing of South 82 degrees 52 minutes 20 seconds East, a chord distance of 328.31 feet, a distance along its arc of 329.26 feet to a point of tangency; thence South 75 degrees 18 minutes 56 seconds East along said south line a distance of 212.01 feet to a point; thence South 33 degrees 03 minutes 27 seconds East a distance of 7.55 feet to the POINT OF BEGINNING and containing 166,421 square feet or 3.820 acres of land, more or less.

MELVIN BURGESS, ASSESSOR
SHELBY COUNTY, TENNESSEE

DISCLAIMER: THIS MAP IS FOR PROPERTY ASSESSMENT PURPOSES ONLY. IT IS NOT CONCLUSIVE AS TO LOCATION OF PROPERTY OR LEGAL OWNERSHIP AND THEREFORE, SHOULD NOT BE RELIED UPON AS A REPRESENTATION OF ANY PROPERTY FOR ANY PURPOSE.

MAP DATE: September 14, 2023

N
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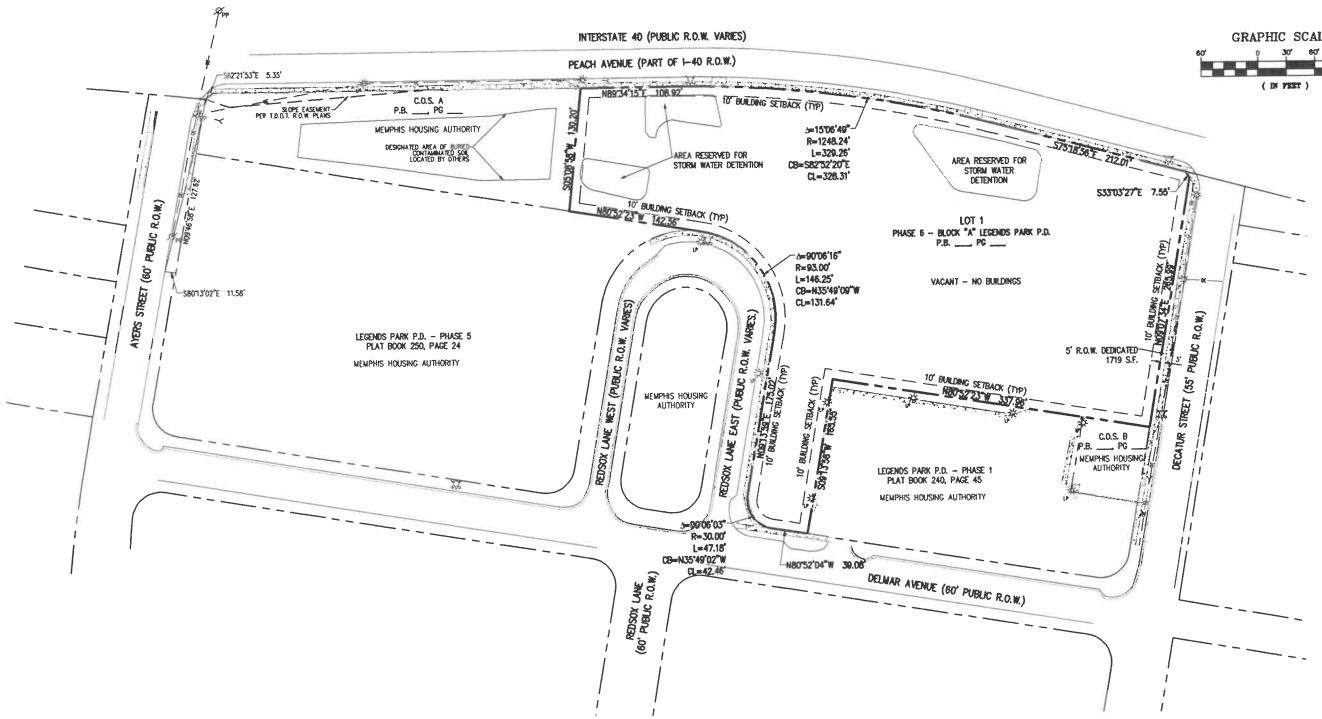
0 420 840
ft

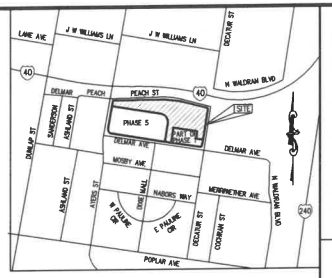


GRAPHIC SCALE

60' 0 30' 60' 120'

(IN FEET)

GRID NORTH



VICINITY MAP
NOT TO SCALE

LEGEND

CONC	CONCRETE
C.O.S.	COMMON OPEN SPACE
INST.	INSTRUMENT
MIN	MINIMUM
MAX	MAXIMUM
NO.	NUMBER
P.B.	PLAT BOOK
PG	PAGE
P.O.B.	POINT OF BEGINNING
R.O.W.	RIGHT-OF-WAY
SQ. FT.	SQUARE FEET

PROPERTY LINE
CHAIN LINK FENCE
CONCRETE CURB AND GUTTER
CONCRETE

RECORD DESCRIPTION

Lot 1, Phase 6 - Block "A" Legends Park P.D. of record in Plat Book ___ Page ___ in the Shelby County Register's Office, to which plat reference is hereby made for a more particular description of said property.

ZONING DATA

Zoning information to be provided by Insurer.

PLAT REFERENCE NOTE

THE BUILDING SETBACK LINES, STORM WATER DETENTION AREAS, AND EASEMENTS SHOWN HEREON WERE DEDICATED BY PLAT OF RECORD IN PLAT BOOK ___, PAGE ___ IN THE SHELBY COUNTY REGISTER'S OFFICE UNLESS OTHERWISE SHOWN.

SCHEDULE B - PART II NOTES

13. Matters appearing on Plat of Book 249, Page 31 in the Shelby County Register's Office, Shelby County, Tennessee affect the subject property by eliminating the right-of-way for Legends Row and creating the right-of-way for Redsox Lane.

14. Matters appearing on Plat of Book 240, Page 6 in the Shelby County Register's Office, Shelby County, Tennessee affect the subject property. The minimum setback lines shown hereon were established by said plat.

15. Matters appearing on Plat of Book 250, Page 24 in the Shelby County Register's Office, Shelby County, Tennessee do not affect the subject property.

16. Matters appearing on Plat of Book 239, Page 35 in the Shelby County Register's Office, Shelby County, Tennessee do not affect the subject property.

17. Reciprocal Easement Agreement of record as Instrument No. 08115216 as amended by that certain First Amendment of record as Instrument No. 08148051, as affected by that certain Second Amendment of record as Instrument No. 10097967, as affected by that certain Third Amendment of record as Instrument No. 11111904, as affected that certain Fourth Amendment of record as Instrument No. 12143719 in the Shelby County Register's Office, Shelby County, Tennessee affects the subject property is not a plottable matter.

18. Declaration of Trust (Grant) Projects of record in Instrument Nos. BH8752, CJ7792, as re-recorded at CM9304 and CJ7793 as re-record in CM9305 in the Shelby County Register's Office, Shelby County, Tennessee effect the subject property and are not plottable matters.

19. Regulatory and Operating Agreement of record in Instrument No. 08115217 in the Shelby County Register's Office, Shelby County, Tennessee affects the subject property and is not a plottable matter.

20. Easement for street purposed from the United States of America to the City of Memphis of record in Book 1533, Page 510 in the Shelby County Register's Office, Shelby County, Tennessee affects the subject property in that it created a portion of the right-of-way od Delmar Avenue.

21. Uniform Gas and Water Easement of record in Book 3241, Page 325 in the Shelby County Register's Office, Shelby County, Tennessee does not affect the subject property and is not shown.

22. Easement Contract of record in Book 3623, Page 17 in the Shelby County Register's Office, Shelby County, Tennessee does not affect the subject property and is not shown.

23. Easement Contract of record in Book 6009, Page 173 in the Shelby County Register's Office, Shelby County, Tennessee does not affect the subject property and is not shown.

24. Lack of direct access to a controlled highway (Interstate 40). Peach Avenue is located in Interstate 40 right-of-way.

25. Partial Release from Declaration of Trust of record in Instrument No. 22107422 in the Shelby County Register's Office, Shelby County, Tennessee does not affect the subject property.

26. Notice of Land Use Restrictions of record in Instrument No. 12005040 in the Shelby County Register's Office, Shelby County, Tennessee affect the subject property. A Designated area of buried contaminated soil shown on Exhibit D was located and flagged by others and is located as shown on C.O.S. A.

MISCELANEOUS NOTES:

1. Survey prepared for Pennrose.
2. Bearings are relative to Tennessee State Plane Coordinates (NAD83).
3. Property is in the name of Memphis Housing Authority.
4. Property is vacant and there is no visible address.
5. This survey was prepared from the information provided in Commitment for Title Insurance by First American Title Insurance Company Commitment Number No. TNFA21-7820 with an effective date of December 28, 2022.
6. The subject property has access to a dedicated public right-of-way.
7. There is no visible evidence of cemeteries on the property.
8. There is no evidence of earth moving work or building construction within recent months.
9. There is no evidence of recent street or sidewalk construction. There are no proposed changes in street lines either completed or proposed by and available from the controlling jurisdiction.
10. There is no visible evidence of the site being used as a solid waste dump, sump or sanitary landfill.
11. At the time of the field survey there was no indication of wetlands delineated by the appropriate authorities. The surveyor did not perform an inspection for wetlands and makes no certification as to the existence or absence of wetlands on the site.
12. All utilities, drain lines and sewer lines are located from available records and field locations of above ground visible evidence only.
13. By map scaling and graphic plotting only the subject property is not located in a Special Flood Hazard Area (shaded) per Flood Insurance Rate Map No. 47157C0270 F with a revised date of September 28, 2007. Property is located in Zone X.
14. There may be underground or non-visible utilities, drain lines or sewer lines across this property that are not shown. The appropriate utility companies should be contacted for more specific locations and information on underground utilities.
15. Subsurface and environmental conditions were not examined or considered as part of this survey.
16. Governmental jurisdictional areas, if any, which might impact the use of the premises were not located. No liability is assumed by the undersigned for any loss resulting from the exercise of any government jurisdiction affecting the use of the premises.

SURVEYOR'S CERTIFICATE

To: First American Title Insurance Company

This is to certify that this map or plat and the survey on which it is based were made in accordance with the 2021 Minimum Standard Detail Requirements for ALTA/NSPS Land Title Surveys, jointly established and adopted by ALTA and NSPS, and includes Items 1, 2, 3, 4, 6(a)(b), 7(a)(b1)(c), 8, 9, 11(a), 13, 14, 16, 17, 18, and 19 of Table A thereof.

The field work was completed on February 19, 2021.

Date of Plat or Map: January 03, 2023

Kenneth E. Francis, Jr., R.L.S.
Tennessee Certificate Number 1567
Barge Waggoner Sumner & Cannon, Inc.
email: Ken.Francis@bargedesign.com

GROSS AREA: 166,421 SQ. FT./ 3.820 ACRES

BARGE DESIGN SOLUTIONS
60 Germantown Court | Suite 100 | Memphis, Tennessee 38018
PHONE (901) 756-7188 | FAX (901) 755-7944

ALTA/NSPS LAND TITLE SURVEY

MEMPHIS HOUSING AUTHORITY

LOT 1 - PHASE 6 - BLOCK 'A' LEGENDS PARK P.D.

NORTH OF DELMAR AVENUE BETWEEN AYERS STREET AND DECATUR STREET
MEMPHIS, SHELBY COUNTY, TENNESSEE

DR.	CHK.	DATE	DESCRIPTION
KEF		01/03/23	PRELIMINARY - FOR TITLE REVIEW

SHEET 1 OF 1

FILE NO. 3732502

EXHIBIT B

TO AMENDED AND RESTATED **BROWNFIELD** VOLUNTARY **AGREEMENT**

SUMMARY OF TECHNICAL REPORTS FOR THE SITE

The following summary is a listing of technical reports for environmental investigations and assessments for the Site that are in the possession of the Voluntary Parties. This summary is intended to fulfill the statutory disclosure requirements associated with the Brownfield agreement application process. All reports listed below are on file at the offices of the Tennessee Department of Environment and Conservation.

EXHIBIT B

TO BROWNFIELD VOLUNTARY AGREEMENT

SUMMARY OF TECHNICAL REPORTS FOR THE SITE

The following summary is a listing of technical reports for environmental investigations and assessments for the Site that are in the possession of the Voluntary Party. This summary is intended to fulfill the statutory disclosure requirements associated with the brownfield voluntary agreement application process. All reports listed below are on file at the Tennessee Department of Environment and Conservation.

Document Title	Author — Date	Summary of Results
Comprehensive Soil Sampling, Dixie Homes Public Housing, TN1-5 and TN1-9,	Hess Environmental Services, January 7, 2008	Hess Environmental Services conducted soil sampling across the former Dixie Homes redevelopment project site which included the Site. One (1) soil sample (Boring 340, Sample ID 584) at or near the western side of the Site had a detection of 1% Chrysotile asbestos. Asbestos was not detected in other samples collected at the Site. Lead was detected in all six composite soil samples at the Site but did not exceed its U.S. EPA residential regional screening level (RSL) of 400 milligrams per kilogram (mg/kg). Only one (1) PAH, benzo(a)pyrene, exceeded its residential U.S. EPA regional screening level in five (5) of six (6) composite soil samples collected for PAH analysis. Benzo(a)pyrene did not exceed the residential screening level of 0.11 mg/kg in the sample collected for SVOC analysis (Borings 353 to 356; Sample ID 20071109 615). Arsenic, barium, cadmium, chromium, lead, and mercury were detected in soil at the Site. Arsenic was above its residential (0.68 mg/kg) and industrial RSL (3 mg/kg) but was detected below its literature-based background concentration (20 mg/kg).
Phase I Environmental Site Assessment	EnSafe Inc. December 30, 2021	The following recognized environmental condition and controlled recognized environmental condition was identified in connection with the Site: A Brownfield Voluntary Agreement (BVA) is in place for TDEC/DoR Site ID 79-846, which includes the Site and adjoining properties west and south of the Site. The BVA outlines environmental conditions identified upgradient of these properties that include 1) chlorinated solvent and petroleum impacts to groundwater, and 2) the presence of hydrocarbons and dry-cleaning solvents in soil gas. Additionally, numerous properties in the surrounding area have reported releases of hazardous substances and/or petroleum products. Given the BVA and number of properties in the area of the Site with reported releases of hazardous substances and/or petroleum products, the potential exists for regional groundwater contamination which constitutes a recognized environmental condition for the Site. The Site is subject to a recorded Notice of Land Use Restrictions that 1) restricts the installation of water wells and use of groundwater at the Site, 2) in the event of the discovery of contaminants in soil at the Site, the soil must be managed in accordance with a TDEC-approved soil management plan, 3) requires PAH contaminated soils be managed in a manner specified, and 4) requires the installation of soil vapor mitigation

Document Title	Author — Date	Summary of Results
		systems on buildings constructed on properties in close proximity to the Site. The existence of the land use restrictions was identified as a controlled recognized environmental condition.
Phase II Environmental Site Assessment	EnSafe Inc. December 30, 2021	In a report dated December 30, 2021, EnSafe detailed the collection of soil, groundwater, and soil gas samples. Chromium concentrations exceeded its residential and/or industrial RSL in all soil samples detected, but only exceeded the TDEC DoR background concentration of 20 mg/kg in three samples at depths from 23 to 32 feet below ground surface. Benzo(a)pyrene exceeded its residential RSL in one location SB02 from 4 to 8 feet bgs. Five groundwater samples did not exceed MCLs or RSLs for tap water. Soil gas samples were collected five locations. Exceedances were noted SG01.
Phase I Environmental Site Assessment	EnSafe Inc. September 21, 2022	The following recognized environmental condition and controlled recognized environmental condition in connection with the Site: A Brownfield Voluntary Agreement (BVA) is in place for TDEC/DoR Site ID 79-846, which includes the Site and adjoining properties west and south of the Site. The BVA outlines environmental conditions identified upgradient of these properties that include 1) chlorinated solvent and petroleum impacts to groundwater, and 2) the presence of hydrocarbons and dry-cleaning solvents in soil gas. Additionally, numerous properties in the surrounding area have reported releases of hazardous substances and/or petroleum products. Given the BVA and number of properties in the area of the Site with reported releases of hazardous substances and/or petroleum products, the potential exists for regional groundwater contamination which constitutes a recognized environmental condition for the Site. The Site is subject to a recorded Notice of Land Use Restrictions that 1) restricts the installation of water wells and use of groundwater at the Site, 2) in the event of the discovery of contaminants in soil at the Site, the soil must be managed in accordance with a TDEC-approved soil management plan, 3) requires PAH contaminated soils be managed in a manner specified, and 4) requires the installation of soil vapor mitigation systems on buildings constructed on properties in close proximity to the Site. The existence of the land use restrictions was identified as a controlled recognized environmental condition.
Soil Sampling for Volatile Organic Compounds, Polycyclic Aromatic Hydrocarbons, and Metals	EnSafe Inc. May 15, 2023	In April 2023, EnSafe performed soil sampling to determine if VOCs, PAHs, and RCRA 8 metals remained in surface soil at the Site. Concentrations of arsenic exceeded background (20 mg/kg) at one sample location, SB28, at 0 to 1-foot bgs. Concentrations (49.1 mg/kg) of chromium also exceeded its background of 20 mg/kg at SB28 at 0 to 1-foot bgs. PAH results were assessed using benzo(a)pyrene equivalency (BEQ) and compared to the TDEC DoR residential soil screening value (1.15 mg/kg). The BEQ results exceeded the residential screening value at SB25 from 0 to 1-foot bgs and SB42 from 0 to 1-foot bgs and from 1 to 3 feet bgs. SB25 was collocated with SG01 (the area of elevated soil gas).
Lead and Asbestos Sampling Report	EnSafe Inc. March 27, 2023	In March 2023, EnSafe performed soil sampling to assess the presence of asbestos and lead at the Site. Lead was detected below its residential RSL in all soil samples collected. Asbestos was not detected in all the soil samples.

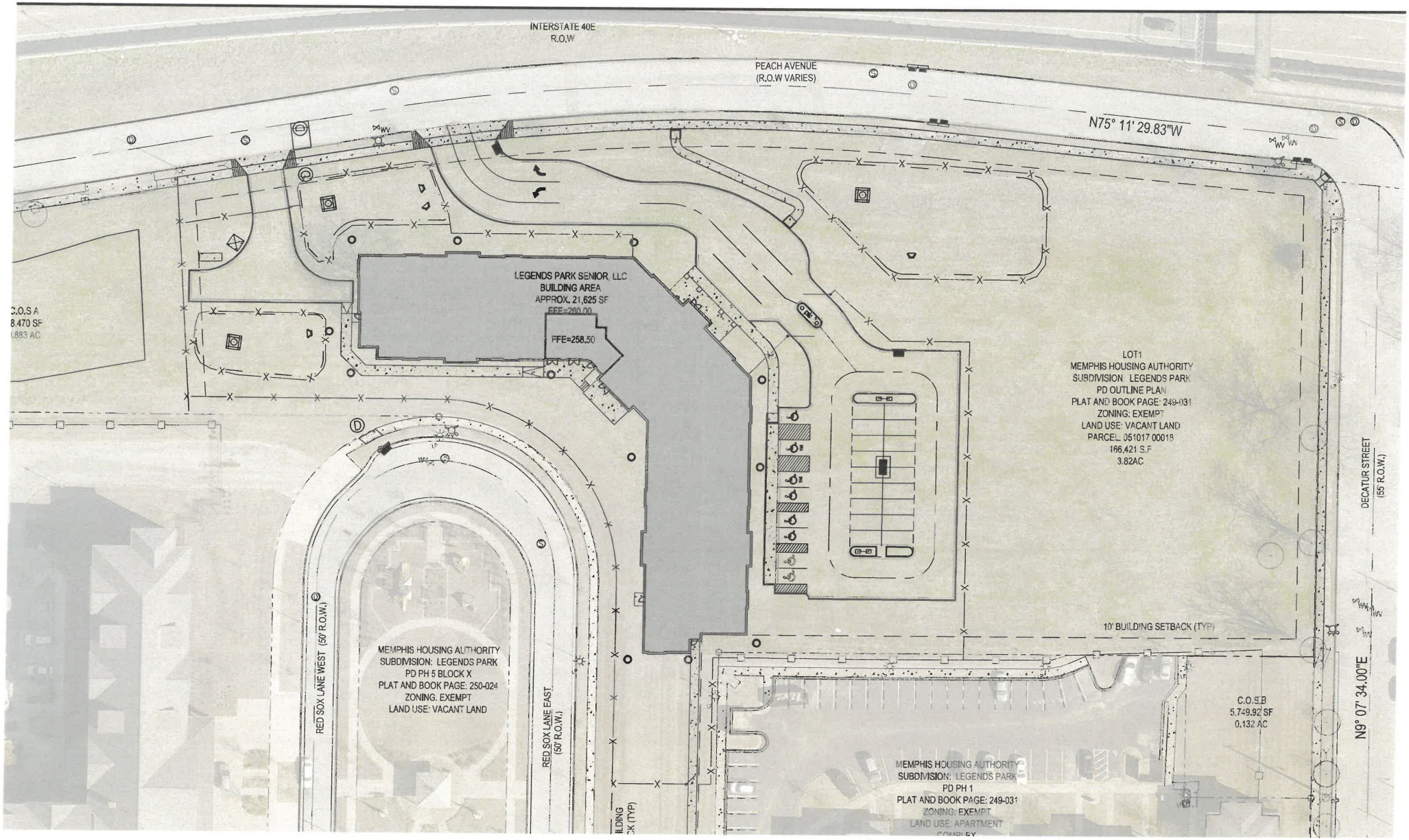
Document Title	Author — Date	Summary of Results
Soil-Gas Sampling Report	EnSafe Inc. March 27, 2023	In March 2023, EnSafe performed soil gas sampling within the planned building footprint and analyzed using EPA Method TO-15. The laboratory results were evaluated using EPA's VISL calculator. All locations were below 10^{-6} for carcinogenic risk and were below a hazard quotient of 0.1; therefore, vapor mitigation is not required for the planned building based on conditions at the Site.
Phase I Environmental Site Assessment	EnSafe Inc. January 31, 2023	The following recognized environmental condition and controlled recognized environmental condition in connection with the Site: A Brownfield Voluntary Agreement (BVA) is in place for TDEC/DoR Site ID 79-846, which includes the Site and adjoining properties west and south of the Site. The BVA outlines environmental conditions identified upgradient of these properties that include 1) chlorinated solvent and petroleum impacts to groundwater, and 2) the presence of hydrocarbons and dry-cleaning solvents in soil gas. Additionally, numerous properties in the surrounding area have reported releases of hazardous substances and/or petroleum products. Given the BVA and number of properties in the area of the Site with reported releases of hazardous substances and/or petroleum products, the potential exists for regional groundwater contamination which constitutes a recognized environmental condition for the Site. The Site is subject to a recorded Notice of Land Use Restrictions that 1) restricts the installation of water wells and use of groundwater at the Site, 2) in the event of the discovery of contaminants in soil at the Site, the soil must be managed in accordance with a TDEC-approved soil management plan, 3) requires PAH contaminated soils be managed in a manner specified, and 4) requires the installation of soil vapor mitigation systems on buildings constructed in close proximity to the Site. The existence of the land use restrictions was identified as a controlled recognized environmental condition.
Phase I Environmental Site Assessment	EnSafe Inc. June 16, 2023	The following recognized environmental condition and controlled recognized environmental condition in connection with the Site: A Brownfield Voluntary Agreement (BVA) is in place for TDEC/DoR Site ID 79-846, which includes the Site and adjoining properties west and south of the Site. The BVA outlines environmental conditions identified upgradient of these properties that include 1) chlorinated solvent and petroleum impacts to groundwater, and 2) the presence of hydrocarbons and dry-cleaning solvents in soil gas. Additionally, numerous properties in the surrounding area have reported releases of hazardous substances and/or petroleum products. Given the BVA and number of properties in the area of the Site with reported releases of hazardous substances and/or petroleum products, the potential exists for regional groundwater contamination which constitutes a recognized environmental condition for the Site. The Site is subject to a recorded Notice of Land Use Restrictions that 1) restricts the installation of water wells and use of groundwater at the Site, 2) in the event of the discovery of contaminants in soil at the Site, the soil must be managed in accordance with a TDEC-approved soil management plan, 3) requires PAH contaminated soils be managed in a manner specified, and 4) requires the installation of soil vapor mitigation

Document Title	Author — Date	Summary of Results
		systems on buildings constructed in close proximity to the Site. The existence of the land use restrictions was identified as a controlled recognized environmental condition.
Soil Removal Report	EnSafe Inc. September 2025	In January 2024, EnSafe sampled soil to determine the extent of soil excavation to be performed at SB25, SB28, and SB42. The extents were determined and on January 29, 2024, the soil removal action was conducted. Soil was directly loaded into trucks and transported to the Waste Management Landfill in Robinsonville, Mississippi.
Vapor Mitigation As-Built Report	EnSafe Inc. September 2025	Based on the findings of the March 2023 vapor assessment in the building footprint, a vapor mitigation system was not required. However, the developer elected to install a passive venting system. The system consisted of horizontal piping surrounded by washed pea gravel. A 20-millimeter-thick sealed vapor barrier was installed on top of the gravel and horizontal trenches. The piping exited the concrete pipe and traveled upwards through the roofline of the building. The six vertical termination points were 3 feet above the roofline, positioned away from HVAC air intakes, and installed with a passive whirlybird wind turbine.

EXHIBIT C

TO AMENDED AND RESTATED BROWNFIELD VOLUNTARY AGREEMENT

DEVELOPMENT SITE MAP


INTERSTATE 40E
R.O.W
PEACH AVENUE
(R.O.W VARIES)
N75° 11' 29.83"W
LEGENDS PARK SENIOR, LLC
BUILDING AREA
APPROX. 21,625 SF
FFE=260.00
FFE=258.50
LOT1
MEMPHIS HOUSING AUTHORITY
SUBDIVISION: LEGENDS PARK
PD OUTLINE PLAN
PLAT AND BOOK PAGE: 249-031
ZONING: EXEMPT
LAND USE: VACANT LAND
PARCEL: 051017 00018
166,421 S.F
3.82AC
DECATUR STREET
(55 R.O.W.)
N9° 07' 34.00"E
10' BUILDING SETBACK (TYP)
RED SOX LANE WEST (50' R.O.W.)
RED SOX LANE EAST
(50' R.O.W.)
MEMPHIS HOUSING AUTHORITY
SUBDIVISION: LEGENDS PARK
PD PH 5 BLOCK X
PLAT AND BOOK PAGE: 250-024
ZONING. EXEMPT
LAND USE: VACANT LAND
C.O.S.B
5,749.92 SF
0.132 AC
MEMPHIS HOUSING AUTHORITY
SUBDIVISION: LEGENDS PARK
PD PH 1
PLAT AND BOOK PAGE: 249-031
ZONING: EXEMPT
LAND USE: APARTMENT

SOIL REMOVAL REPORT
BLOCK A, LEGENDS PARK

PARCEL ID 051017 00018
981 PEACH AVENUE
MEMPHIS, TENNESSEE 38105
TDEC DOR SITE ID#: 79-846A

EnSafe Project Number:
0888836801

Prepared for:

PennRose
675 Ponce de Leon Avenue NE, Suite 8500
Atlanta, Georgia 30308

And

Tennessee Department of Environment and Conservation
Division of Remediation, Memphis EFO
8383 Wolf Lake Drive
Bartlett, Tennessee 38133

October 2025

5724 Summer Trees Drive
Memphis, Tennessee 38134
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creative thinking. **custom solutions.** ®

SOIL REMOVAL REPORT
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Attachment D Manifests

1.0 INTRODUCTION

EnSafe Inc. has been contracted by PennRose to complete the Soil Removal Report for the property at 981 Peach Avenue, Block A, Legends Park (Site) in Memphis, Tennessee (Site ID#: 79-846). The Memphis Housing Authority (MHA) is the current owner, but has leasedthe Site to Legends Park Senior LLC for construction of affordable senior housing.

The Site is under the Tennessee Department of Environment and Conservation (TDEC), Division of Remediation (DoR) Brownfield program (TDEC DOR #79-846A). The Proposed Development Site consists of 3.8 acres.

1.1 Site Description

The 3.8-acre Site was vacant grass-covered land with no structures. Based on a review of historical resources and a Phase I Environmental Site Assessment (ESA) performed by EnSafe (dated September 21, 2022), the Site has been developed since at least 1897 with single- and multi-family residences and was part of the Dixie Homes public housing development from 1937 until the area was cleared for redevelopment as the Legends Park Subdivision in 2006. A former clothes cleaner and potential dry cleaner was identified at the Site in the 1921 city directory, but no further information regarding operations at the cleaners was discovered. No impact from a drycleaning operation was detected during environmental assessment activities.

Original plans called for the excavation and placement of impacted soils beneath engineered barriers (e.g., building foundation). The original plans were modified to excavate impacted soils in selected locations and dispose of them in a manner required by law. A Soil Management Plan was submitted to TDEC DoR in December 2023, that specified the modified plan. The Soil Management Plan was approved by TDEC DoR on January 7, 2024. This report details the soil removal action and the disposal of the excavated soils consistent with the approved Soil Management Plan.

1.2 Investigation History

1.2.1 Phase II ESA

EnSafe completed a Phase II ESA at the Site in December 2021 to investigate potential soil, groundwater, and soil gas impacts associated with possible historical operations at the Site and surrounding area properties. Results are summarized below. Locations of exceedances for soil and soil gas are shown on Figure 1 in Attachment A.

Soil

Samples were collected from five soil borings at two depths for analysis of volatile organic compounds (VOCs), polyaromatic hydrocarbons (PAHs), Resource Conservation and Recovery Act (RCRA) 8 Metals, and Extractable Petroleum Hydrocarbons (EPH). Analytical results for the soil samples were compared to the November 2021 U.S. EPA Regional Screening Levels (RSLs) for both residential and industrial land use with a lifetime target cancer risk of 1E-6 and a target hazard quotient of 0.1, and the September 2006 TDEC Department of Underground Storage Tanks (DUST) Initial Screening Levels (ISLs). Metals were also compared to the TDEC Hazardous Trace Elements in Tennessee Soils Background Levels ([TNSBL], TDEC 2001). TNSBLs are based on a statistical study of naturally occurring metals concentrations sampled throughout the state of Tennessee and are established by concentrations within the 75 percent quartile. Soil analytical results are shown in Table 1 in Attachment B.

VOCs and EPH were not detected above screening levels in soil collected at the Site. A PAH (benzo(a)pyrene) exceeded its residential RSL in soil sampled from 4 to 8 feet below ground surface at the northeast corner of the Site (SB02). Arsenic and chromium concentrations in soil were above residential and/or industrial RSLs in all ten soil samples. Arsenic was below its TNSBL in all soil samples, and chromium exceeded its TNSBL in three soil samples. Though the detected concentration of chromium in soil exceeded its TNSBL, the results are likely within the upper 25 percent quartile and are not statistically higher than the TNSBL.

1.2.2 2023 Lead and Asbestos Soil Sampling

In March 2023, soil samples were collected for the presence of asbestos and/or lead by a Tennessee-licensed asbestos inspector in a grid pattern across the Site, as shown on Figure 2 in Attachment A. Twenty-four surface soil samples (0 to 1 foot below ground surface) were collected using hand auger techniques and wet methods. In the area where soil is being removed for construction (cut), twelve subsurface soil samples were also collected from the 1 to 3-foot interval using hand auger techniques. Soil samples were containerized, labeled, and preserved for submittal under chain-of-custody to two laboratories for analysis.

Samples for asbestos analysis were submitted to Crisp Analytical in Carrolton, Texas. Asbestos samples were analyzed using polarized light microscopy (PLM), Environmental Protection Agency (EPA) Method 600. Samples for lead analysis were submitted to Waypoint Analytical in Memphis, Tennessee for analysis using EPA Method 6010.

Analytical results are provided for both analyses in Table 2 in Attachment B. Asbestos was not detected in any of the soil samples collected. Only one soil sample (LEGSSB1103, 60.1 milligrams per kilogram) was slightly above the TNSBL for lead of 45 milligrams per kilogram. None of the samples exceeded the U.S. EPA residential Regional Screening Level for lead of 400 milligrams per kilogram. Based on the analytical results, no further action is required for lead and asbestos in site soil.

1.2.3 2023 Surface Soil Sampling

Additional soil samples were collected in April 2023. Samples were collected in a grid pattern as shown on Figure 2 in Attachment A. Twenty-four surface soil samples (0 to 1 foot below ground surface [bgs]) were collected using hand auger techniques. In the area where soil is being removed for construction (cut), eleven subsurface soil samples were also collected from 1 to 3 feet, 3 to 4 feet, 4 to 5 feet, and/or 8 to 9 feet intervals using hand auger techniques. Soil samples were containerized, labeled, and preserved for submittal under chain-of-custody to Waypoint Analytical in Memphis, Tennessee. Soil samples were analyzed for VOCs, PAHs, and RCRA 8 metals. All detected VOCs were reported below their respective residential and industrial RSLs in the samples collected.

Concentrations of arsenic exceed both residential and industrial RSLs in all of the collected soil samples, except sample location SB43 at 3 to 4 feet, which exceeded only the residential RSL. Arsenic concentrations at SB26 at 0-1 feet bgs, SB26 at 1-3 feet bgs, SB28 at 0-1 feet bgs, SB40 at 0-1 feet bgs, SB44 at 0-1 feet bgs, and SB46 at 0-1 feet bgs exceeded the industrial RSL but did exceed the TNSBL. Boring SB28 at 0-1 feet was the only location to exceed its TNBSL of 20 milligrams per kilogram (mg/kg). Barium concentrations at SB25 at 1-3 feet bgs, SB28 at 0-1 feet bgs, SB35 at 8-9 feet bgs, and SB44 at 0-1 feet bgs were the only locations to exceed the TNSBL of 144 mg/kg; however, all barium concentrations are below the residential and industrial RSLs. All cadmium concentrations are below the residential and industrial RSLs and TNSBL, except at SB28 at 0-1 feet bgs, which exceeded the residential RSL and TNSBL. Chromium concentrations exceeded the TNSBL of 20 mg/kg at SB28 at 0-1 feet bgs and SB44 at 0-1 feet bgs; however, all chromium concentrations are below the residential and industrial RSLs. Lead concentrations exceeded the TNSBL of 45 mg/kg at SB28 at 0-1 feet bgs, SB29 at 1-3 feet bgs, SB31 at 0-1 feet bgs, and SB41 at 0-1 feet bgs; however, all lead concentrations are below the residential and industrial RSLs. The concentration of mercury at SB28 at 0-1 feet bgs exceeded the TNSBL of 0.18 mg/kg; however, all mercury concentrations are below the residential and industrial RSLs. The elevated metals concentrations appear to be primarily in the surficial soils, with the highest concentrations detected in SB28 at 0-1 feet bgs as indicated on Figure 2 in Attachment A.

Benzo(a)anthracene exceeded the residential RSL in soil samples collected at SB25 at 0-1 feet bgs, SB42 at 0-1 feet bgs, and SB42 at 1-3 feet bgs. Concentrations of benzo(a)pyrene (BaP) exceeded both residential and industrial RSLs in the soil sample collected from SB25 at 0-1 feet bgs and only the residential RSL in the soil samples collected from SB27 at 0-1 feet bgs, SB28 at 0-1 feet bgs, SB30 at 0-1 feet bgs, SB31 at 0-1 feet bgs, SB34 at 0-1 feet bgs, SB35 at 0-1 feet bgs, SB36 at 0-1 feet bgs, SB36 at 3-4 feet bgs, SB37 0-1 feet bgs, SB38 0-1 feet bgs, SB38 at 1-3 feet bgs, SB40 at 0-1 feet bgs, SB41 0-1 feet bgs, SB42 at 0-1 feet bgs, SB42 at 1-3 feet bgs, and SB43 at 0-1 feet bgs. Benzo(a)fluoranthene concentrations exceeding the residential RSL were collected from soil samples at SB25 at 0-1 feet bgs and SB42 at 1-3 feet bgs. Dibenz(a,h)anthracene concentrations exceed the residential RSL of 0.11 mg/kg at SB25 at 0-1 feet bgs, SB42 at 0-1 feet bgs, and SB42 at 1-3 feet bgs. All indeno(1,2,3-cd)pyrene concentrations are below the residential and industrial RSLs, except at SB25 at 0-1 feet bgs, which exceeds the residential RSL. PAHs at the highest concentrations were detected in SB25 at 0-1 feet bgs.

Toxicity Equivalence Factors for BaP

Compound	TEF
Benzo(a)pyrene	1
Benzo(a)anthracene	0.1
Benzo(b)fluoranthene	0.1
Benzo(k)fluoranthene	0.01
Chrysene	0.001
Dibenz(a,h)anthracene	1
Indeno(1,2,3-cd)pyrene	0.1

Benzo(a)pyrene Data Evaluation

A comparison of the cumulative toxicity for the suite of detected PAHs was performed because not all PAHs have the same toxicity or ability to cause illness and adverse health effects. The most toxic chemicals in the group are BaP and dibenz(a,h)anthracene. Because they are the most toxic, these PAHs are the standard by which other PAHs are assessed. To provide an overall assessment of the potential risks from the entire class of PAHs, a U.S. EPA-accepted toxicity equivalency factor (TEF) calculation was employed. The concentrations of other PAHs measured in the environment are converted to a BaP equivalent concentration based on how toxic they are relative to these two compounds. This is accomplished by multiplying their reported concentrations by their respective TEF values (listed to the right). These converted TEF concentrations are then summed to determine the BaP equivalency (BEQ) concentration for each sample. The BEQ results can then be assessed by comparing the calculated value against the TDEC Division of Remediation-provided residential BEQ soil screening value. The calculated BEQ results are shown on Table 3 in Attachment B. The calculation of the residential BEQ screening level was provided by TDEC Division of Remediation via email on May 5, 2023. The BEQ results from the 35 soil samples across the Site were compared to the 1.15 mg/kg residential BEQ screening level. BEQ concentrations exceeded the 1.15 mg/kg screening level in three samples, SB25 from 0 to 1-foot bgs (3.605 mg/kg), SB42 from 0-1-foot bgs (1.681 mg/kg), and SB42 from 1 to 3 feet bgs (2.093 mg/kg). The two locations are shown on Figure 2 in Attachment A.

Groundwater

Five temporary groundwater wells were sampled during the Phase II ESA in December 2021 for analysis of VOCs, PAHs, RCRA 8 Metals, and EPH. Groundwater analytical results were compared to the U.S. EPA RSLs for tap water with a lifetime target cancer risk of 1E-6 and a target hazard quotient of 0.1, U.S. EPA Maximum Contaminant Levels (MCLs), and TDEC ISLs and are shown in Table 4. VOCs, PAHs, RCRA 8 Metals, and EPH were not detected above screening levels in groundwater collected at the Site.

Soil Gas

Five soil gas samples were collected and analyzed for VOCs in December 2021. The soil gas analytical results were evaluated using the U.S. EPA vapor intrusion screening level (VISLs) for residential and commercial target sub-slab and near-source soil gas concentrations with a target lifetime carcinogenic risk of 10E-6 and a target noncarcinogenic hazard quotient of 0.1 and are shown in Table 5 in Attachment B. Benzene and naphthalene were detected above residential and/or commercial VISLs in soil gas collected at the southeast corner of the Site (SG01).

Risk screening was performed using the U.S. EPA VISL Risk Calculator. Input parameters for the U.S. EPA VISL calculator included location-specific concentrations and default exposure assumptions for risk screening. TDEC generally requires response actions (which could include a sealed vapor barrier, mitigation system, monitoring, etc.) when risk is above 1E-05 and/or hazard is above 1.0. For the residential exposure scenario, carcinogenic risk ranged from 6.61E-07 to 1.20E-05, and hazard (non-carcinogenic risk) ranged from 0.00442 to 0.315. One soil gas location (SG01) exceeded the carcinogenic risk of 1E-05.

In February and March 2023, seven soil gas sampling points were advanced to 3-5 feet below the ground surface using a hammer drill in the proposed building footprint. Analytical results for the soil gas samples were compared to the November 2022 U.S. EPA Vapor Intrusion Screening Levels (VISL) for residential air. In accordance with TDEC guidance, detected chemicals were evaluated based on the cumulative target lifetime carcinogenic risk of 10E-6 and a target noncarcinogenic hazard quotient of 0.1. Laboratory detections for the soil gas samples are summarized in Table 6 in Attachment B. Twenty-three VOCs were detected in soil gas sampled from the seven locations at the Site, and no VOCs were reported above U.S. EPA residential VISLs.

Risk screening was performed using the U.S. EPA VISL Risk Calculator. Input parameters for the U.S. EPA VISL calculator included location-specific concentrations and default exposure assumptions for risk screening; VISL risk outputs are summarized in Table 6 in Attachment B. TDEC generally

requires response actions (which could include a vapor barrier, mitigation system, monitoring, etc.) when risk is above 1E-05 and/or the hazard quotient is above 1.0. For the residential exposure scenario, carcinogenic risk ranged from 2.49E-10 to 2.38E-07 and the hazard quotient ranged from 0.00963 to 0.0386.

2.0 SOIL REMOVAL ACTION

EnSafe performed oversight, extent sampling, and coordinated transport and disposal of three areas:

- **SB25:** Performed removal of PAH-impacted soil and elevated soil gas at the identified impacted location SB25/SG01.
- **SB28:** Performed removal of arsenic- and chromium-impacted soil at identified location SB28.
- **SB42:** Performed removal of PAH-impacted soil at identified location SB42.

Soil samples were collected before the excavations were initiated to confirm the extent of the impacted soil. The extent samples were collected on January 10, 2024, around locations SB25, SB28, and SB42 as shown on Figure 3 in Attachment A. The results are presented on Table 7 in Attachment B. Laboratory reports are provided in Attachment C. An exceedance of the BEQ level of 1.15 mg/kg was detected at one location, SB42 at 1.78 mg/kg. An additional extent sample (SB42C-03A) was collected on January 24, 2024, and the BEQ concentration (0.13 mg/kg) was below the approved 1.15 mg/kg threshold. Laboratory reports are provided in Attachment C. All samples were processed and shipped in accordance with standard quality assurance methods, including chain-of-custody procedures. Laboratory analysis was performed by Waypoint Analytical.

On January 29, 2024, EnSafe was onsite when impacted soils at SB25, SB28, and SB42 were removed from the three locations for offsite disposal. The soil was directly loaded into dump trucks for transport and disposal at the Waste Management Tunica County Landfill in Robinsonville, Mississippi. Manifests are shown in Attachment D. Onsite soil was reworked to fill the excavation.

3.0 CERTIFICATION STATEMENT

I certify under penalty of law, including but not limited to penalties for perjury, that this document and all attachments were prepared by me or under my direction or supervision. The submitted information contained in this document and on any attachment is true, accurate, and complete to the best of my knowledge, information, and belief. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for intentional violation. As specified in Tennessee Code Annotated § 39-16-702(a)(4), this declaration is made under penalty of perjury.

Allison L. Harris
Professional Geologist
Tennessee License No. 788

Attachment A
Figures

FIGURE 1
SITE LOCATION MAP
LEGENDS PARK SUBDIVISION
BLOCK A
MEMPHIS, TENNESSEE

LEGEND

SUBJECT PROPERTY/REDUCED PARCEL BOUNDARY

NAD 1983
UTM ZONE 18 NORTH

0 1,000 2,000
SCALE IN FEET

REQUESTED BY:	AC
DRAWN BY:	WM
DATE:	2/15/2022
PROJECT:	0888830988

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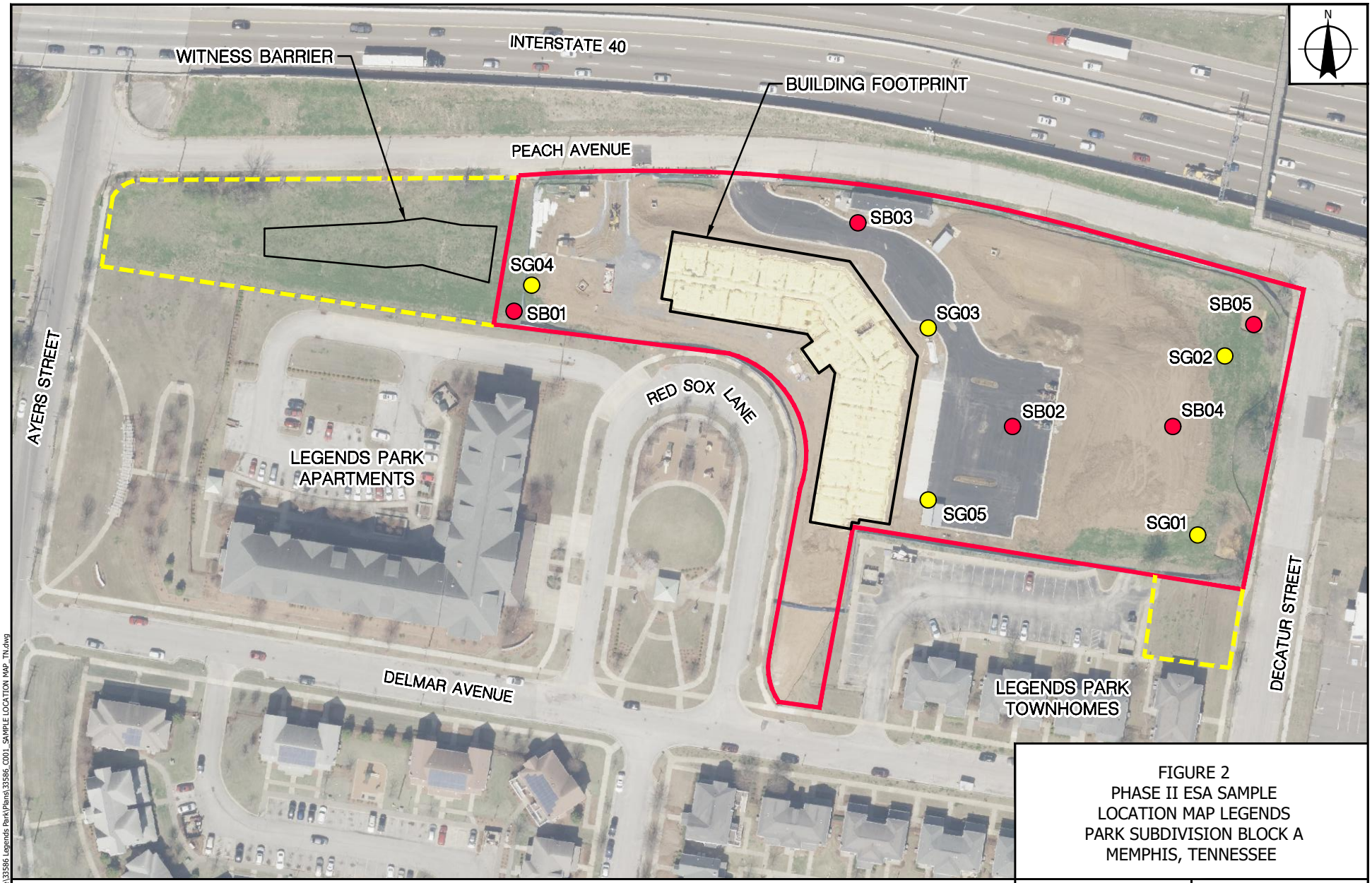
Source: U.S. Geological Survey.Northwest Memphis Quadrangle, Tennessee [Map]. Photorevised 2019. 1:24,000. 7.5 Minute Series.

I:\CAD PROJECTS\HOCONT\30988 Legends Park\Plans\30988_8005_SITE LOCATION MAP_LEGENDS PARK_TN 2007.dwg



I:\CAD PROJECTS\Pennrose\33586 Legends Park\Plans\33586_C001_SAMPLE LOCATION MAP_TN.dwg

LEGENDS

- SOIL GAS SAMPLE LOCATION
- SOIL BORING SAMPLE LOCATION
- SUBJECT PROPERTY/REDUCED PARCEL BOUNDARY
- REMAINING PARCEL AREA

NAD 1983 STATE PLANE
TENNESSEE FEET

0 60 120

SCALE IN FEET

FIGURE 2
PHASE II ESA SAMPLE
LOCATION MAP LEGENDS
PARK SUBDIVISION BLOCK A
MEMPHIS, TENNESSEE

REQUESTED BY:	AH
DRAWN BY:	CC
DATE:	10/30/2025
PROJECT:	0888833586

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INTERSTATE 40E
R.O.W

PEACH AVENUE
(R.O.W VARIES)

42" OAK

36" TREE

15" TREE

C.O.S A
38,470 SF
0.883 AC

C.O.S B
5,749.92 SF
0.132 AC

MEMPHIS HOUSING
AUTHORITY
SUBDIVISION:
LEGENDS PARK PD PH 5
BLOCK B
PLAT AND BOOK PAGE: 250-024
ZONING: EXEMPT
LAND USE: VACANT LAND

MEMPHIS HOUSING AUTHORITY
SUBDIVISION: LEGENDS PARK
PD PH 5 BLOCK X
PLAT AND BOOK PAGE: 250-024
ZONING: EXEMPT
LAND USE: VACANT LAND

MEMPHIS HOUSING AUTHORITY
SUBDIVISION: LEGENDS PARK
PD PH 1
PLAT AND BOOK PAGE: 249-031
ZONING: EXEMPT
LAND USE: APARTMENT
COMPLEX

MEMPHIS HOUSING AUTHORITY
SUBDIVISION: LEGENDS PARK
PD OUTLINE PLAN
PLAT AND BOOK PAGE: 249-031
ZONING: EXEMPT
LAND USE: APARTMENT
COMPLEX

MEMPHIS HOUSING AUTHORITY
SUBDIVISION: LEGENDS PARK
PD OUTLINE PLAN
PLAT AND BOOK PAGE: 249-031
ZONING: EXEMPT
LAND USE: APARTMENT
COMPLEX

AYERS STREET
(60' R.O.W.)

REDSOX LANE WEST (50' R.O.W.)

REDSOX LANE EAST (50' R.O.W.)

DECATUR STREET
(65' R.O.W.)

DELMAR AVENUE
(60' R.O.W.)

SB25 SB26 SB27 SB28 SB29 SB30 SB31 SB32 SB33 SB34 SB35 SB36 SB37 SB38 SB39 SB40 SB41 SB42 SB43 SB44 SB45 SB46

42C01 42C02 42C03/42C03A 28C01 28C02 28C03/28C03A 25C01 25C02 25C03 25C04

CUT/FILL TABLE

Number	Minimum Elevation	Maximum Elevation	Area	Color	CUT/FILL
1	-8.27	-6.00	0.15		11742.94
2	-6.00	-4.00	0.24		9616.95
3	-4.00	-2.00	0.39		8678.50
4	-2.00	0.00	1.05		6790.08
5	0.00	2.00	1.12		2267.63
6	2.00	4.00	0.23		423.46
7	4.00	6.00	0.07		123.10
8	6.00	6.15	0.00		0.12

LEGEND

- SURFACE (0-1 FT) AND 1-3 FT SAMPLE LOCATION
- SURFACE (0-1 FT) SAMPLE LOCATION ONLY
- SURFACE (0-1 FT) AND 3-4 FT SAMPLE ONLY
- SURFACE (0-1 FT), 4-5 FT, AND 8-9 FT SAMPLE LOCATION

FT FEET

EXTENT SAMPLING LOCATION

- EXCEEDED THE BEQ SCREENING LEVEL
- EXCEEDED BACKGROUND AND RESIDENTIAL RSL FOR ARSENIC AND CHROMIUM

NAD83 STATE PLANE
TENNESSEE FEET

0 20 40

SCALE IN FEET

FIGURE 3
EXCEEDANCE LOCATIONS AND EXCAVATION EXTENT SAMPLING LOCATIONS IN SOIL, EDGEVIEW AT LEGENDS PARK, BLOCK A MEMPHIS, TENNESSEE

REQUESTED BY:	AH
DRAWN BY:	KMB
DATE:	5/10/2023
PROJECT:	0888835278

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Attachment B
Tables

Table 1
Detected Concentrations in Soil,Phase II ESA (EnSafe December 2021)
Block A, Legends Park Subdivision, Memphis, Tennessee

Analyte	Res RSL (a)	Ind RSL (b)	ISL (c)	TN BKG (d)	SB01		SB02		SB03		SB04		SB05	
					16-20	24-28	4-8	28-32	12-16	24-28	16-20	28-32	16-20	28-32
RCRA 8 Metals														
Arsenic	0.68	3	NE	10	**2.19 a**	**1.56 a**	**8.87 ab**	**4.53 ab**	**8.48 ab**	**2.66 Ja**	**9.41 ab**	**6.51 ab**	**10.1 abd**	**2.46 a**
Barium	1500	22000	NE	144	31.1	41.1	118	84.2	138	73.3	67.2	61.9	59.5	51.1
Cadmium	0.71	10	NE	1.0	—	—	0.146	—	0.113 J	—	0.421	0.0371 J	0.358	—
Chromium	0.3	6.3	NE	20	**14.7 ab**	**16.5 ab**	**12.5 ab**	**20.2 abd**	**15.0 ab**	**26.3 abd**	**12.4 ab**	**23.0 abd**	**14.4 ab**	**14.9 ab**
Lead	400	800	NE	45	5.51	5.33	14.3	6.12	10.4	8.96	6.77	10.3	8.03	7.97
Mercury	1.1	4.6	NE	0.18	0.0211	0.0227	0.0955	0.0503	0.0239	0.0174 J	0.0209	—	0.0198	0.0392
Silver	39	580	NE	1.2	—	—	—	—	—	—	0.224 J	—	—	—
Volatile Organic Compounds														
Acetone	7000	110000	NE	NE	—	—	0.0224 J	—	0.0192 J	—	0.0156 J	—	0.161	—
Benzene	1.2	5.1	0.0729	NE	0.0008 J	—	0.0009 J	—	—	—	0.0038	—	0.0234	—
Butylbenzene, n-	390	5800	NE	NE	—	—	—	—	—	—	—	—	0.0026	—
Ethylbenzene	5.8	25	143	NE	0.0012 J	—	0.0010 J	—	—	—	0.0049	—	0.0277	—
Isopropylbenzene	190	990	NE	NE	—	—	—	—	—	—	—	—	0.0027	—
Methyl Ethyl Ketone	2700	19000	NE	NE	—	—	—	—	—	—	—	—	0.0272 J	—
Toluene	490	4700	6.78	NE	—	—	—	—	—	—	0.0098	—	0.0618	—
Trimethylbenzene, 1,2,4-	30	180	NE	NE	0.0010 J	—	0.0010 J	—	—	—	0.0025 J	—	0.0154	—
Xylene, m,p-	56	240	NE	NE	—	—	—	—	—	—	0.0055	—	0.0319	—
Xylene, o-	64	280	NE	NE	—	—	—	—	—	—	0.0022 J	—	0.0128	—
Xylene (Total)	58	250	9.6	NE	—	—	—	—	—	—	0.0077 J	—	0.0448	—
Polynuclear Aromatic Hydrocarbons														
Acenaphthene	360	4500	NE	NE	—	—	0.00364	—	—	—	—	—	—	—
Acenaphthylene	NE	NE	NE	NE	—	—	0.00570	—	—	—	—	—	—	—
Anthracene	1800	23000	NE	NE	—	—	0.0138	—	—	—	—	—	—	—
Benzo(a)anthracene	1.1	21	NE	NE	—	—	0.0971	—	—	—	—	—	—	—
Benzo(a)pyrene	0.11	2.1	NE	NE	—	—	**0.126 a**	0.000478 J	—	—	—	—	—	—
Benzo(b)fluoranthene	1.1	21	NE	NE	—	—	0.121	0.000375 J	—	—	—	—	—	—
Benzo(g,h,i)perylene	NE	NE	NE	NE	—	0.000877	0.0717	0.00128	0.000950	0.000686 J	0.000684 J	0.000972	0.000882	0.000609 J
Benzo(k)fluoranthene	11	210	NE	NE	—	—	0.0408	—	—	—	—	—	—	—
Chrysene	110	2100	NE	NE	—	—	0.109	—	—	—	—	—	—	—
Dibenz(a,h)anthracene	0.11	2.1	NE	NE	—	—	0.0190	—	—	—	—	—	—	—
Fluoranthene	240	3000	NE	NE	—	—	0.196	—	—	—	—	—	—	—
Fluorene	240	3000	NE	NE	—	—	0.00380	—	—	—	—	—	—	—
Indeno(1,2,3-cd)pyrene	1.1	21	NE	NE	—	—	0.0669	0.000883	—	—	—	—	—	—
Methylnaphthalene, 2-	24	300	NE	NE	—	—	0.000876	—	—	—	—	—	—	—
Naphthalene	2	8.6	135	NE	—	—	0.00116	—	—	—	—	—	—	—
Phenanthrene	NE	NE	NE	NE	—	—	0.0693	—	—	—	—	—	—	—
Pyrene	180	2300	NE	NE	—	—	0.171	—	—	—	—	—	—	—
Extractable Petroleum Hydrocarbons														
Diesel Range Organics	NE	NE	NE	NE	—	—	3.78 J	—	—	—	—	—	—	—
Oil Range Organics	NE	NE	NE	NE	4.88	—	7.39	4.77	—	—	6.45	5.24	—	—
Extractable Petroleum Hydrocarbons (Total)	NE	NE	500	NE	4.88	—	11.2 J	4.77	—	—	6.45	5.24	—	—

Notes:
All results are milligrams per kilogram (mg/kg) or parts per million (ppm).
December 2021 analytical results were collected by EnSafe and are summarized in the *Phase II Environmental Site Assessment Report, Block A, Legends Park Subdivision, Memphis, Tennessee* , dated December 30, 2021.
U.S. EPA = United States Environmental Protection Agency
TDEC = Tennessee Department of Environment and Conservation
RCRA = Resource Conservation and Recovery Act
Res RSL = U.S. EPA Regional Screening Level for Residential Soil, hazard quotient = 0.1 (November 2021)
Ind RSL = U.S. EPA Regional Screening Level for Industrial Soil, hazard quotient = 0.1 (November 2021)
ISL = Tennessee Underground Storage Tank System Assessment Closure Initial Screening Levels for Residential Soil (September 2006)
TN BKG = Background Hazardous Trace Elements in Tennessee Soils, TDEC Report of Investigation No 49 (2001)
NE = Not Established
— = Not Detected
J = Estimated
a = exceeds Res RSL
b = exceeds Ind RSL
c = exceeds ISL
d = exceeds TN BKG

Table 2
Asbestos and Lead Soil Sample Results (EnSafe March 2023)
Edgeview at Legends Park
Memphis, Tennessee

Sample ID	Asbestos	Lead
LEGSSBO1-01	Not Detected	26.1
LEGSSBO1-03	Not Detected	20.6
LEGSSBO2-01	Not Detected	32.3
LEGSSBO2-03	Not Detected	11.4
LEGSSBO3-01	Not Detected	16.1
LEGSSBO3-03	Not Detected	25.8
LEGSSBO4-01	Not Detected	18.3
LEGSSBO4-03	Not Detected	26.4
LEGSSBO5-01	Not Detected	31.4
LEGSSBO5-03	Not Detected	17.6
LEGSSBO6-01	Not Detected	33.2
LEGSSBO7-01	Not Detected	24.8
LEGSSBO8-01	Not Detected	23.5
LEGSSBO9-01	Not Detected	23.3
LEGSSBO9-03	Not Detected	20.1
LEGSSB10-01	Not Detected	31.9
LEGSSB1O-03	Not Detected	19.9
LEGSSB11-01	Not Detected	28.2
LEGSSB11-03	Not Detected	**60.1**
LEGSSB12-01	Not Detected	39.4
LEGSSB13-01	Not Detected	43.8
LEGSSB14-01	Not Detected	28.4
LEGSSB14-03	Not Detected	26.2
LEGSSB15-01	Not Detected	31.8
LEGSSB16-01	Not Detected	29.7
LEGSSB17-01	Not Detected	18.6
LEGSSB17-03	Not Detected	37.8
LEGSSB18-01	Not Detected	24.3
LEGSSB19-01	Not Detected	41.4
LEGSSB20-01	Not Detected	39.0
LEGSSB20-03	Not Detected	22.9
LEGSSB21-01	Not Detected	6.07
LEGSSB22-01	Not Detected	38.9
LEGSSB23-01	Not Detected	23.9
LEGSSB24-01	Not Detected	12.0
LEGSSB24-03	Not Detected	15.5
Residential RSL	**NE**	**400**
TN BKG	**NE**	**45**

Notes:

All lead results are in milligrams per kilogram (mg/kg) or parts per million (ppm).

RSL - U.S. Environmental Protection Agency Regional Screening Results (November 2022)

Bold indicates an exceedance of the Tennessee background concentration for lead.

TN BKG = Background Hazardous Trace Elements in Tennessee Soils, TDEC Report of Investigation No 49 (2001)

NE = Not Established

Table 3
Detected Concentrations of VOCs, PAHs and RCRA 8 Metals in Soil (EnSafe 2023)
Edgeview at Legends Park, Block A
Memphis, TN

					Sample Location:	SB25	SB25	SB26	SB26	SB27	SB28	SB29	SB29	SB30	SB31	SB32	SB33	SB33	SB34	SB34	SB34	SB35	SB35	SB35
					Sample ID:	LEGSSB25-01	LEGSSB25-03	LEGSSB26-01	LEGSSB26-03	LEGSSB27-01	LEGSSB28-01	LEGSSB29-01	LEGSSB29-03	LEGSSB30-01	LEGSSB31-01	LEGSSB32-01	LEGSSB33-01	LEGSSB33-03	LEGSSB34-01	LEGSSB34-05	LEGSSB34-09	LEGSSB35-01	LEGSSB35-05	LEGSSB35-09
					Sample Date:	04/20/2023	04/20/2023	04/20/2023	04/20/2023	04/20/2023	04/20/2023	04/20/2023	04/20/2023	04/20/2023	04/20/2023	04/20/2023	04/20/2023	04/20/2023	04/20/2023	04/20/2023	04/20/2023	04/20/2023	04/20/2023	04/20/2023
					Matrix:	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil
					Depth (ft):	1.0	3.0	1.0	3.0	1.0	1.0	1.0	3.0	1.0	1.0	1.0	1.0	3.0	1.0	5.0	9.0	1.0	5.0	9.0
Method	**CAS No.**	**Analyte**	**RSL Industrial Soil (a)**	**RSL Residential Soil (b)**	**TN BKG Value (c)**	**Units**																		
SW6010	7440-38-2	**Arsenic**	**3**	**0.68**	**10**	mg/kg	**7.68 ab**	**9.73 ab**	**10.2 abc**	**10.7 abc**	**8.7 ab**	**31 abc**	**7.75 ab**	**7.13 ab**	**6.76 ab**	**7.58 ab**	**8.19 ab**	**9.47 ab**	**7.84 ab**	**8.97 ab**	**7.62 ab**	**7.27 ab**	**8.38 ab**	**7.09 ab**	**9.82 ab**
SW6010	7440-39-3	**Barium**	22000	1500	**144**	mg/kg	**116**	**147 c**	**135**	**142**	**137**	**357 c**	**117**	**97**	**111**	**131**	**102**	**104**	**122**	**124**	**111**	**141**	**124**	**120**	**145 c**
SW6010	7440-43-9	**Cadmium**	10	**0.71**	**1**	mg/kg	**0.551**	**0.474**	**0.57**	**0.571**	**0.469**	**1.7 bc**	**0.436**	**0.334**	**0.334**	**0.39**	**0.385**	**0.415**	**0.397**	**0.485**	**0.404**	**0.378**	**0.438**	**0.387**	**0.659**
SW6010	7440-47-3	**Chromium**	NE	NE	**20**	mg/kg	**14.4**	**13.6**	**14.6**	**15.7**	**13.7**	**49.1 c**	**15.1**	**14.5**	**15.2**	**13.7**	**15.1**	**15.4**	**13.5**	**14**	**15.2**	**14.6**	**14.6**	**16**	**16.6**
SW6010	7439-92-1	**Lead**	800	400	**45**	mg/kg	**26**	**11.2**	**35.5**	**13.9**	**20.3**	**139 c**	**22.4**	**78 c**	**39.7**	**60.6 c**	**23.3**	**17.4**	**26.9**	**33.3**	**21**	**42.9**	**28.3**	**34.8**	**19.8**
SW6010	7782-49-2	Selenium	580	39	1.2	mg/kg	2.96 U	3.17 U	2.99 U	3.21 U	3.03 U	9.36 U	0.608 U	0.62 U	**0.481 J**	0.598 U	0.628 U	0.6 U	0.609 U	**0.472 J**	0.598 U	0.607 U	0.593 U	0.611 U	0.632 U
SW6010	7440-22-4	Silver	580	39	1.2	mg/kg	0.296 U	0.317 U	0.299 U	0.321 U	0.303 U	0.936 U	1.52 U	1.55 U	1.54 U	1.5 U	1.57 U	1.5 U	1.52 U	1.5 U	1.5 U	1.52 U	1.48 U	1.53 U	1.58 U
SW7471	7439-97-6	**Mercury**	4.6	1.1	**0.18**	mg/kg	**0.0633 J**	**0.0305 J**	**0.0738 J**	**0.0327 J**	**0.0854 J**	**0.333 J c**	**0.125 J**	**0.0811 J**	**0.0924 J**	**0.178 J**	**0.057 J**	**0.0687 J**	**0.076 J**	**0.0957 J**	**0.0825 J**	**0.0735 J**	**0.0848 J**	**0.0651 J**	**0.0508 J**
SW8260	95-63-6	1,2,4-trimethylbenzene	180	30	NE	mg/kg	0.0023 U	0.0025 U	0.0028 U	0.0025 U	0.0024 U	0.0085 U	0.0024 U	0.0024 U	0.0024 U	0.0025 U	0.0025 U	0.0024 U	0.0025 U	0.0024 U	0.0023 U	0.0028 U	0.0023 U	0.0024 U	**0.0026**
SW8260	78-93-3	2-Butanone (MEK)	19000	2700	NE	mg/kg	**0.0057 J**	**0.0073 J**	**0.0274 J**	**0.0088 J**	**0.0177 J**	**0.0636 J**	**0.0104 J**	0.0496 U	**0.0197 J**	**0.0064 J**	**0.007 J**	**0.0064 J**	**0.0174 J**	**0.011 J**	0.0479 U	**0.0054 J**	**0.014 J**	0.0489 U	**0.0051 J**
SW8260	67-64-1	Acetone	110000	7000	NE	mg/kg	**0.0762**	**0.0557**	**0.204**	**0.0577**	**0.23**	**0.581**	**0.106**	**0.0419 J**	**0.171**	**0.0919**	**0.111**	**0.0773**	**0.175**	**0.111**	**0.0411 J**	**0.0619**	**0.157**	**0.0354 J**	**0.0461 J**
SW8260	71-43-2	Benzene	5.1	1.2	NE	mg/kg	0.0023 U	0.0025 U	0.0028 U	0.0025 U	0.0024 U	0.0085 U	0.0024 U	0.0024 U	0.0024 U	0.0025 U	0.0025 U	0.0024 U	0.0025 U	0.0024 U	0.0023 U	0.0028 U	0.0023 U	0.0024 U	**0.005**
SW8260	75-15-0	Carbon disulfide	350	77	NE	mg/kg	0.0118 U	0.0126 U	0.0143 U	0.0128 U	0.0121 U	**0.0265 J**	**0.0107 J**	**0.0107 J**	**0.0088 J**	**0.0188**	**0.0462**	**0.0154**	**0.0144**	**0.0164**	**0.0259**	0.014 U	**0.0194**	**0.0071 J**	**0.0085 J**
SW8260	100-41-4	Ethylbenzene	25	5.8	NE	mg/kg	0.0023 U	0.0025 U	0.0028 U	0.0025 U	0.0024 U	0.0085 U	0.0024 U	0.0024 U	0.0024 U	0.0025 U	0.0025 U	0.0024 U	0.0025 U	0.0024 U	0.0023 U	0.0028 U	0.0023 U	0.0024 U	**0.0042**
SW8260	179601-23-1	m,p-Xylene	NE	NE	NE	mg/kg	0.0047 U	0.005 U	0.0057 U	0.0051 U	0.0048 U	0.0171 U	0.0048 U	0.0049 U	0.0049 U	0.005 U	0.005 U	0.0048 U	0.0051 U	0.0048 U	0.0047 U	0.0056 U	0.0047 U	0.0048 U	**0.0047 J**
SW8260	95-47-6	o-Xylene	280	64	NE	mg/kg	0.0023 U	0.0025 U	0.0028 U	0.0025 U	0.0024 U	0.0085 U	0.0024 U	0.0024 U	0.0024 U	0.0025 U	0.0025 U	0.0024 U	0.0025 U	0.0024 U	0.0023 U	0.0028 U	0.0023 U	0.0024 U	**0.0017 J**
SW8260	135-98-8	sec-Butylbenzene	12000	780	NE	mg/kg	0.0023 U	0.0025 U	0.0028 U	0.0025 U	0.0024 U	0.0085 U	0.0024 U	0.0024 U	0.0024 U	0.0025 U	0.0025 U	0.0024 U	0.0025 U	0.0024 U	0.0023 U	0.0028 U	0.0023 U	0.0024 U	0.0025 U
SW8260	108-88-3	Toluene	4700	490	NE	mg/kg	0.0047 U	0.005 U	0.0057 U	0.0051 U	0.0048 U	0.0171 U	0.0048 U	0.0049 U	0.0049 U	0.005 U	0.005 U	0.0048 U	0.0051 U	0.0048 U	0.0047 U	0.0056 U	0.0047 U	0.0048 U	**0.0104**
SW8260	1330-20-7	Xylene (Total)	250	58	NE	mg/kg	0.0023 U	0.0025 U	0.0028 U	0.0025 U	0.0024 U	0.0085 U	0.0024 U	0.0024 U	0.0024 U	0.0025 U	0.0025 U	0.0024 U	0.0025 U	0.0024 U	0.0023 U	0.0028 U	0.0023 U	0.0024 U	**0.0064 J**
SW8270SIM	91-57-6	2-Methylnaphthalene	300	24	NE	mg/kg	**0.14**	0.00255 U	**0.00914**	0.00258 U	**0.00719**	**0.019**	**0.00299**	0.00249 U	**0.00604**	**0.0222**	**0.0026**	**0.00315**	0.00245 U	**0.00623**	**0.00375**	**0.00614**	**0.00929**	**0.00349**	0.00254 U
SW8270SIM	83-32-9	Acenaphthene	4500	360	NE	mg/kg	**0.755**	**0.000396 J**	**0.00417**	0.00086 U	**0.0706**	**0.0106**	**0.00105**	**0.00144**	**0.00566**	**0.0473**	**0.0033**	**0.00615**	**0.00205**	**0.00776**	**0.00526**	**0.0055**	**0.0105**	**0.00255**	**0.00265**
SW8270SIM	208-96-8	Acenaphthylene	NE	NE	NE	mg/kg	**0.0185**	0.000849 U	**0.00321**	**0.003**	**0.00759**	**0.021**	**0.00585**	**0.00387**	**0.0154**	**0.0273**	**0.0187**	**0.0104**	**0.00297**	**0.00863**	**0.00381**	**0.00896**	**0.0129**	**0.0137**	**0.00295**
SW8270SIM	120-12-7	Anthracene	23000	1800	NE	mg/kg	**1.35**	**0.00103**	**0.0112**	**0.00121**	**0.144**	**0.0369**	**0.00792**	**0.00715**	**0.0262**	**0.141**	**0.0174**	**0.0156**	**0.00749**	**0.0625**	**0.017**	**0.0157**	**0.0278**	**0.0132**	**0.00713**
SW8270SIM	56-55-3	**Benzo(a)anthracene**	21	**1.1**	NE	mg/kg	**3.14 b**	**0.0052**	**0.0855**	**0.0175**	**0.424**	**0.286**	**0.0572**	**0.0675**	**0.188**	**0.462**	**0.0888**	**0.0884**	**0.0508**	**0.56**	**0.0857**	**0.0961**	**0.156**	**0.0755**	**0.043**
SW8270SIM	50-32-8	**Benzo(a)pyrene**	**2.1**	**0.11**	NE	mg/kg	**2.46 ab**	**0.00545**	**0.0859**	**0.0189**	**0.415 b**	**0.309 b**	**0.0644**	**0.0747**	**0.183 b**	**0.402 b**	**0.103**	**0.103**	**0.048**	**0.603 b**	**0.0756**	**0.0966**	**0.151 b**	**0.0911**	**0.044**
SW8270SIM	205-99-2	**Benzo(b)fluoranthene**	21	**1.1**	NE	mg/kg	**3.4 b**	**0.00728**	**0.0999**	**0.0198**	**0.473**	**0.349**	**0.0864**	**0.0814**	**0.178**	**0.237**	**0.106**	**0.109**	**0.0519**	**0.509**	**0.0796**	**0.0722**	**0.159**	**0.0853**	**0.0496**
SW8270SIM	191-24-2	Benzo(g,h,i)perylene	NE	NE	NE	mg/kg	**1.23**	**0.00285**	**0.0484**	**0.00902**	**0.206**	**0.175**	**0.0415**	**0.0388**	**0.0973**	**0.214**	**0.0536**	**0.0551**	**0.0273**	**0.237**	**0.0401**	**0.053**	**0.091**	**0.0559**	**0.0271**
SW8270SIM	207-08-9	Benzo(k)fluoranthene	210	11	NE	mg/kg	**1.01**	**0.00275**	**0.0295**	**0.0094**	**0.162**	**0.128**	**0.0308**	**0.0258**	**0.0638**	**0.106**	**0.0319**	**0.039**	**0.0195**	**0.207**	**0.0244**	**0.0315**	**0.0539**	**0.0246**	**0.0206**
SW8270SIM	218-01-9	Chrysene	2100	110	NE	mg/kg	**3.29**	**0.00544**	**0.0889**	**0.0173**	**0.436**	**0.323**	**0.058**	**0.0685**	**0.186**	**0.386**	**0.0818**	**0.125**	**0.0501**	**0.581**	**0.0835**	**0.0915**	**0.144**	**0.0814**	**0.0455**
SW8270SIM	53-70-3	**Dibenz(a,h)anthracene**	2.1	**0.11**	NE	mg/kg	**0.349 b**	**0.000825 J**	**0.0116**	**0.00214**	**0.0484**	**0.0314**	**0.00925**	**0.00702**	**0.0233**	**0.024**	**0.016**	**0.0118**	**0.00647**	**0.0659**	**0.0105**	**0.0111**	**0.023**	**0.0131**	**0.00588**
SW8270SIM	206-44-0	Fluoranthene	3000	240	NE	mg/kg	**6.88**	**0.0127**	**0.148**	**0.0356**	**1.02**	**0.502**	**0.104**	**0.141**	**0.327**	**0.83**	**0.132**	**0.209**	**0.095**	**0.687**	**0.172**	**0.163**	**0.251**	**0.143**	**0.0949**
SW8270SIM	86-73-7	Fluorene	3000	240	NE	mg/kg	**0.66**	**0.000581 J**	**0.00306**	0.00086 U	**0.0719**	**0.0122**	**0.00147**	**0.00159**	**0.00779**	**0.0689**	**0.00366**	**0.00729**	**0.00207**	**0.00968**	**0.00505**	**0.0071**	**0.0125**	**0.00348**	**0.00241**
SW8270SIM	193-39-5	**Indeno(1,2,3-cd)pyrene**	21	**1.1**	NE	mg/kg	**1.29 b**	**0.00286**	**0.0427**	**0.00849**	**0.192**	**0.165**	**0.0358**	**0.0378**	**0.0953**	**0.183**	**0.0535**	**0.0519**	**0.0213**	**0.236**	**0.0396**	**0.0516**	**0.0869**	**0.0558**	**0.0233**
SW8270SIM	91-20-3	Naphthalene	8.6	2	NE	mg/kg	**0.446**	0.00255 U	**0.00556**	0.00258 U	**0.0116**	**0.0125**	**0.00255**	0.00249 U	**0.00545**	**0.0169**	**0.00223 J**	**0.00251**	**0.00188 J**	**0.00451**	**0.00271**	**0.00442**	**0.00721**	**0.00306**	0.00254 U
SW8270SIM	85-01-8	Phenanthrene	NE	NE	NE	mg/kg	**6.28**	**0.00777**	**0.0822**	**0.00873**	**0.795**	**0.282**	**0.0453**	**0.0457**	**0.152**	**0.782**	**0.075**	**0.161**	**0.048**	**0.325**	**0.0914**	**0.0843**	**0.151**	**0.0739**	**0.0512**
SW8270SIM	129-00-0	Pyrene	2300	180	NE	mg/kg	**4.9**	**0.00973**	**0.133**	**0.0313**	**0.662**	**0.254**	**0.099**	**0.12**	**0.267**	**0.638**	**0.109**	**0.191**	**0.0764**	**0.578**	**0.152**	**0.141**	**0.179**	**0.114**	**0.0798**
		Benzo(a)pyrene equivalency		1.15*	NE	mg/kg	3.605	0.008	0.121	0.026	0.574	0.422	0.092	0.101	0.253	0.516	0.144	0.140	0.067	0.802	0.107	0.130	0.215	0.126	0.062

Notes:

CAS No. = Chemical Abstracts Service number

ft = feet

NE = Not Established

RSL Residential Soil = US EPA Regional Screening level (RSL) HQ=0.1 for Residential Soil (November 2022)

RSL Industrial Soil = US EPA Regional Screening level (RSL) HQ=0.1 for Industrial Soil (November 2022)

TN BKG Value = Tennessee soil background value

J = Estimated value

U = Non-Detect

Bold = Detected Value

Shaded/Bold = exceeds screening value

a = exceeds RSL Industrial Soil

b = exceeds RSL Residential Soil

c = exceeds TN BKG Value

* = Tennessee Department Environment and Conservation Benzo(a)pyrene Equivalency (BEQ) Screening Level for residential land use provided via email on May 5, 2023.

Red exceeds BEQ for residential use of 1.15 mg/kg.

Relative Potency Factors for Carcinogenic Polycyclic Aromatic Hydrocarbons

Compound	RPF
Benzo(a)pyrene	1
Benz(a)anthracene	0.1
Benzo(b)fluoranthene	0.1
Benzo(k)fluoranthene	0.01
Chrysene	0.001
Dibenz(a,h)anthracene	1
Indeno(1,2,3-c,d)pyrene	0.1

Table 3
Detected Concentrations of VOCs, PAHs and RCRA 8 Metals in Soil (EnSafe 2023)
Edgeview at Legends Park, Block A
Memphis, TN

					Sample Location:	SB36	SB36	SB37	SB38	SB38	SB39	SB40	SB41	SB42	SB42	SB43	SB43	SB44	SB45	SB46	SB46
					Sample ID:	LEGSSB36-01	LEGSSB36-04	LEGSSB37-01	LEGSSB38-01	LEGSSB38-03	LEGSSB39-01	LEGSSB40-01	LEGSSB41-01	LEGSSB42-01	LEGSSB42-03	LEGSSB43-01	LEGSSB43-04	LEGSSB44-01	LEGSSB45-01	LEGSSB46-01	LEGSSB46-03
					Sample Date:	04/20/2023	04/20/2023	04/20/2023	04/20/2023	04/20/2023	04/20/2023	04/20/2023	04/20/2023	04/20/2023	04/20/2023	04/20/2023	04/20/2023	04/20/2023	04/20/2023	04/20/2023	04/20/2023
					Matrix:	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil
					Depth (ft):	1.0	4.0	1.0	1.0	3.0	1.0	1.0	1.0	1.0	3.0	1.0	4.0	1.0	1.0	1.0	3.0
Method	**CAS No.**	**Analyte**	**RSL Industrial Soil (a)**	**RSL Residential Soil (b)**	**TN BKG Value (c)**	**Units**															
SW6010	7440-38-2	**Arsenic**	**3**	**0.68**	**10**	mg/kg	**9.16 ab**	**8.22 ab**	**8.7 ab**	**8.1 ab**	**8.03 ab**	**8.79 ab**	**11.6 abc**	**9.05 ab**	**6.94 ab**	**6.39 ab**	**9.64 ab**	**2.79 J b**	**11.2 abc**	**9.83 ab**	**11.8 abc**	**9.23 ab**
SW6010	7440-39-3	**Barium**	22000	1500	**144**	mg/kg	**114**	**114**	**122**	**118**	**127**	**115**	**110**	**116**	**111**	**113**	**127**	**106**	**175 c**	**126**	**130**	**111**
SW6010	7440-43-9	**Cadmium**	10	**0.71**	**1**	mg/kg	**0.404**	**0.345**	**0.395**	**0.422**	**0.434**	**0.543**	**0.369**	**0.541**	**0.445**	**0.151 J**	**0.215 J**	0.591 U	**0.149 J**	**0.255 J**	**0.21 J**	**0.211 J**
SW6010	7440-47-3	**Chromium**	NE	NE	**20**	mg/kg	**14.4**	**13.4**	**14.3**	**14.9**	**15.7**	**15.3**	**14.5**	**14**	**13.4**	**17.2**	**15.4**	**19.3**	**20.5 c**	**16.8**	**15.2**	**15.5**
SW6010	7439-92-1	**Lead**	800	400	**45**	mg/kg	**40.6**	**37.3**	**33.4**	**31**	**25**	**24.9**	**31.2**	**51 c**	**26.2**	**17.7**	**22.6**	**9.85**	**28.9**	**12.9**	**36.3**	**10.5**
SW6010	7782-49-2	Selenium	580	39	1.2	mg/kg	0.678 U	0.684 U	0.642 U	0.587 U	0.58 U	0.584 U	**0.462 J**	3.05 U	3 U	3.02 U	2.96 U	2.96 U	3.13 U	3 U	2.9 U	3.12 U
SW6010	7440-22-4	Silver	580	39	1.2	mg/kg	1.7 U	1.71 U	1.61 U	1.47 U	1.45 U	1.46 U	1.51 U	0.305 U	0.3 U	1.51 U	1.48 U	1.48 U	1.56 U	1.5 U	1.45 U	1.56 U
SW7471	7439-97-6	**Mercury**	4.6	1.1	**0.18**	mg/kg	**0.0905 J**	**0.134 J**	**0.123 J**	**0.0914 J**	**0.0944 J**	**0.0799 J**	**0.0998 J**	**0.156 J**	**0.0948 J**	**0.0714 J**	**0.0671 J**	0.216 U	**0.0587 J**	**0.0397 J**	**0.0334 J**	0.216 U
SW8260	95-63-6	1,2,4-trimethylbenzene	180	30	NE	mg/kg	**0.0014 J**	**0.0033 J**	**0.0011 J**	0.0023 U	**0.0013 J**	**0.0015 J**	**0.0011 J**	0.0024 U	**0.001 J**	**0.0013 J**	0.0023 U	0.0023 U	0.0025 U	0.0024 U	0.0023 U	0.0024 U
SW8260	78-93-3	2-Butanone (MEK)	19000	2700	NE	mg/kg	**0.016 J**	**0.0101 J**	**0.0122 J**	**0.0094 J**	**0.0066 J**	**0.0107 J**	**0.0174 J**	**0.032 J**	**0.0202 J**	**0.0095 J**	**0.0358 J**	0.0472 U	**0.0245 J**	**0.0491**	**0.0405 J**	**0.0407 J**
SW8260	67-64-1	Acetone	110000	7000	NE	mg/kg	**0.185**	**0.121**	**0.157**	**0.116**	**0.0694**	**0.117**	**0.18**	**0.34**	**0.242**	**0.0891**	**0.356**	**0.0243 J**	**0.342**	**0.436**	**0.338**	**0.257**
SW8260	71-43-2	Benzene	5.1	1.2	NE	mg/kg	**0.0035**	**0.0058**	**0.0024 J**	**0.0021 J**	**0.0025**	**0.0032**	**0.0027**	**0.0025**	**0.001 J**	0.0024 U	0.0023 U	**0.001 J**	0.0025 U	**0.0011 J**	**0.0006 J**	0.0024 U
SW8260	75-15-0	Carbon disulfide	350	77	NE	mg/kg	**0.0358**	**0.016 J**	**0.0132**	**0.0128**	**0.0106 J**	**0.0337**	**0.0094 J**	**0.0147**	**0.0047 J**	**0.0043 J**	**0.0053 J**	**0.0055 J**	0.0125 U	0.012 U	0.0115 U	0.0124 U
SW8260	100-41-4	Ethylbenzene	25	5.8	NE	mg/kg	**0.0021 J**	**0.0043**	**0.0016 J**	**0.0012 J**	**0.002 J**	**0.0025**	**0.0019 J**	**0.0015 J**	**0.001 J**	**0.0022 J**	**0.0009 J**	**0.0008 J**	0.0025 U	0.0024 U	0.0023 U	0.0024 U
SW8260	179601-23-1	m,p-Xylene	NE	NE	NE	mg/kg	**0.0024 J**	**0.005 J**	**0.0019 J**	0.0047 U	**0.0023 J**	**0.003 J**	**0.0022 J**	0.0048 U	0.0048 U	**0.0025 J**	0.0047 U	0.0047 U	0.005 U	0.0048 U	0.0046 U	0.0049 U
SW8260	95-47-6	o-Xylene	280	64	NE	mg/kg	0.0027 U	**0.0021 J**	0.0025 U	0.0023 U	**0.0009 J**	**0.0011 J**	0.0024 U	0.0024 U	0.0024 U	**0.0009 J**	0.0023 U	0.0023 U	0.0025 U	0.0024 U	0.0023 U	0.0024 U
SW8260	135-98-8	sec-Butylbenzene	12000	780	NE	mg/kg	0.0027 U	0.0034 U	0.0025 U	0.0023 U	0.0023 U	0.0024 U	0.0024 U	0.0024 U	0.0024 U	0.0024 U	0.0023 U	0.0023 U	0.0025 U	0.0024 U	0.0023 U	**0.0064**
SW8260	108-88-3	Toluene	4700	490	NE	mg/kg	**0.0061**	**0.0103**	**0.0044 J**	**0.0039 J**	**0.0049**	**0.0067**	**0.005**	**0.0046 J**	0.0048 U	**0.0056**	0.0047 U	0.0047 U	0.005 U	0.0048 U	0.0046 U	0.0049 U
SW8260	1330-20-7	Xylene (Total)	250	58	NE	mg/kg	**0.0024 J**	**0.0071 J**	**0.0019 J**	0.0023 U	**0.0032 J**	**0.0041 J**	**0.0022 J**	0.0024 U	0.0024 U	**0.0035 J**	0.0023 U	0.0023 U	0.0025 U	0.0024 U	0.0023 U	0.0024 U
SW8270SIM	91-57-6	2-Methylnaphthalene	300	24	NE	mg/kg	**0.00383**	**0.00334**	**0.00477**	**0.00488**	**0.00861**	**0.00383**	**0.0041**	**0.00612**	**0.023**	**0.0729**	**0.0023 J**	0.00238 U	0.00252 U	0.00242 U	0.00233 U	0.00251 U
SW8270SIM	83-32-9	Acenaphthene	4500	360	NE	mg/kg	**0.00716**	**0.00407**	**0.0207**	**0.0152**	**0.0307**	**0.00518**	**0.0089**	**0.0167**	**0.196**	**0.158**	**0.0118**	**0.00349**	**0.00317**	**0.00226**	**0.00329**	0.000835 U
SW8270SIM	208-96-8	Acenaphthylene	NE	NE	NE	mg/kg	**0.00815**	**0.0132**	**0.00838**	**0.00576**	**0.00829**	**0.00648**	**0.0124**	**0.016**	**0.0109**	**0.0165**	**0.00516**	**0.000678 J**	**0.00114**	**0.00389**	**0.00159**	0.000835 U
SW8270SIM	120-12-7	Anthracene	23000	1800	NE	mg/kg	**0.0316**	**0.0174**	**0.0465**	**0.0474**	**0.0715**	**0.0168**	**0.0254**	**0.0534**	**0.373**	**0.434**	**0.0343**	**0.0126**	**0.0138**	**0.00933**	**0.00874**	0.000835 U
SW8270SIM	56-55-3	**Benzo(a)anthracene**	21	**1.1**	NE	mg/kg	**0.202**	**0.142**	**0.175**	**0.173**	**0.17**	**0.0952**	**0.133**	**0.24**	**1.18 b**	**1.76 b**	**0.195**	**0.0423**	**0.0867**	**0.0865**	**0.0574**	**0.00278**
SW8270SIM	50-32-8	**Benzo(a)pyrene**	**2.1**	**0.11**	NE	mg/kg	**0.198 b**	**0.167 b**	**0.17 b**	**0.155 b**	**0.151 b**	**0.0912**	**0.129 b**	**0.246 b**	**1.21 b**	**1.5 b**	**0.199 b**	**0.033**	**0.0775**	**0.0916**	**0.0516**	**0.00312**
SW8270SIM	205-99-2	**Benzo(b)fluoranthene**	21	**1.1**	NE	mg/kg	**0.227**	**0.163**	**0.159**	**0.157**	**0.145**	**0.0918**	**0.124**	**0.165**	**0.727**	**1.2 b**	**0.169**	**0.035**	**0.0819**	**0.096**	**0.0579**	**0.0032**
SW8270SIM	191-24-2	Benzo(g,h,i)perylene	NE	NE	NE	mg/kg	**0.104**	**0.114**	**0.0774**	**0.0861**	**0.0808**	**0.0493**	**0.0751**	**0.143**	**0.55**	**0.557**	**0.0957**	**0.017**	**0.0417**	**0.0513**	**0.0293**	**0.00278**
SW8270SIM	207-08-9	Benzo(k)fluoranthene	210	11	NE	mg/kg	**0.0783**	**0.126**	**0.0734**	**0.064**	**0.0973**	**0.0525**	**0.0655**	**0.157**	**0.598**	**0.484**	**0.0973**	**0.0141**	**0.0339**	**0.0334**	**0.0222**	**0.00103**
SW8270SIM	218-01-9	Chrysene	2100	110	NE	mg/kg	**0.191**	**0.137**	**0.183**	**0.153**	**0.167**	**0.0897**	**0.122**	**0.249**	**1.08**	**1.63**	**0.208**	**0.0364**	**0.0807**	**0.0837**	**0.053**	**0.00262**
SW8270SIM	53-70-3	**Dibenz(a,h)anthracene**	2.1	**0.11**	NE	mg/kg	**0.0252**	**0.0393**	**0.0321**	**0.0322**	**0.0321**	**0.0188**	**0.0272**	**0.054**	**0.224 b**	**0.244 b**	**0.0391**	**0.00704**	**0.017**	**0.019**	**0.0109**	0.000835 U
SW8270SIM	206-44-0	Fluoranthene	3000	240	NE	mg/kg	**0.392**	**0.219**	**0.343**	**0.316**	**0.336**	**0.178**	**0.257**	**0.465**	**2.35**	**3.1**	**0.373**	**0.0765**	**0.146**	**0.149**	**0.103**	**0.00535**
SW8270SIM	86-73-7	Fluorene	3000	240	NE	mg/kg	**0.00689**	**0.00482**	**0.0207**	**0.0182**	**0.038**	**0.00553**	**0.00873**	**0.0206**	**0.187**	**0.182**	**0.011**	**0.00463**	**0.00303**	**0.00207**	**0.0025**	0.000835 U
SW8270SIM	193-39-5	**Indeno(1,2,3-cd)pyrene**	21	**1.1**	NE	mg/kg	**0.102**	**0.135**	**0.108**	**0.107**	**0.105**	**0.0658**	**0.0966**	**0.166**	**0.492**	**0.461**	**0.113**	**0.0252**	**0.0626**	**0.0633**	**0.0465**	**0.00262**
SW8270SIM	91-20-3	Naphthalene	8.6	2	NE	mg/kg	**0.00322**	**0.00305**	**0.0065**	**0.00636**	**0.00885**	**0.00271**	**0.00412**	**0.00537**	**0.0145**	**0.139**	**0.00213 J**	0.00238 U	0.00252 U	0.00242 U	0.00233 U	0.00251 U
SW8270SIM	85-01-8	Phenanthrene	NE	NE	NE	mg/kg	**0.168**	**0.0816**	**0.244**	**0.197**	**0.26**	**0.0867**	**0.149**	**0.244**	**1.69**	**2.57**	**0.178**	**0.0498**	**0.0613**	**0.0476**	**0.0431**	**0.00206**
SW8270SIM	129-00-0	Pyrene	2300	180	NE	mg/kg	**0.312**	**0.19**	**0.267**	**0.241**	**0.246**	**0.138**	**0.206**	**0.283**	**1.78**	**2.44**	**0.279**	**0.0573**	**0.105**	**0.111**	**0.0773**	**0.00399**
		Benzo(a)pyrene equivalency		1.15*	NE	mg/kg	0.277	0.252	0.247	0.232	0.226	0.136	0.192	0.359	1.681	2.093	0.287	0.050	0.118	0.136	0.079	0.005

Notes:

CAS No. = Chemical Abstracts Service number

ft = feet

NE = Not Established

RSL Residential Soil = US EPA Regional Screening level (RSL) HQ=0.1 for Residential Soil (November 2022)

RSL Industrial Soil = US EPA Regional Screening level (RSL) HQ=0.1 for Industrial Soil (November 2022)

TN BKG Value = Tennessee soil background value

J = Estimated value

U = Non-Detect

Bold = Detected Value

Shaded/Bold = exceeds screening value

a = exceeds RSL Industrial Soil

b = exceeds RSL Residential Soil

c = exceeds TN BKG Value

* = Tennessee Department Environment and Conservation Benzo(a)pyrene Equivalency (BEQ) Screening Level for residential land use provided via email on May 5, 2023.

Red exceeds BEQ for residential use of 1.15 mg/kg.

Relative Potency Factors for Carcinogenic Polycyclic Aromatic Hydrocarbons

Compound	RPF
Benzo(a)pyrene	1
Benz(a)anthracene	0.1
Benzo(b)fluoranthene	0.1
Benzo(k)fluoranthene	0.01
Chrysene	0.001
Dibenz(a,h)anthracene	1
Indeno(1,2,3-c,d)pyrene	0.1

Table 4
Detected Concentrations in Groundwater, Phase II ESA (December 2021)
Block A, Legends Park Subdivision, Memphis, Tennessee

Analyte	RSL (a)	MCL (b)	ISL (c)	SB01	SB02	SB03	SB04	SB05
RCRA 8 Metals								
Barium	380	2000	NE	0.099	0.092	0.165	0.244	0.110
Selenium	10	50	NE	—	—	0.004 J	0.003 J	—
Volatile Organic Compounds								
Acetone	1.8	NE	NE	—	—	—	—	0.010 J
Toluene	0.11	1	1	—	—	0.0007 J	—	—
Polynuclear Aromatic Hydrocarbons								
Acenaphthene	0.053	NE	0.939	—	—	—	—	0.000020
Methylnaphthalene, 1-	0.0011	NE	NE	—	—	—	—	0.000017 J
Naphthalene	0.00012	NE	0.02	—	—	0.000042	—	—
Extractable Petroleum Hydrocarbons								
Diesel Range Organics	NE	NE	NE	0.111	0.0576 J	0.111	0.243	0.272
Oil Range Organics	NE	NE	NE	0.0994	—	—	0.0883 J	0.0938
Extractable Petroleum Hydrocarbons (Total)	NE	NE	NE	0.210	0.0576 J	0.111	0.331 J	0.366

Notes:

All results are in milligrams per liter (mg/L).

December 2021 analytical results were collected by EnSafe and are summarized in the *Phase II Environmental Site Assessment Report, Block A, Legends Park Subdivision, Memphis, Tennessee* , dated December 30, 2021.

U.S. EPA = United States Environmental Protection Agency

RCRA = Resource Conservation and Recovery Act

RSL = U.S. EPA Regional Screening Level for Tap Water (November 2021)

MCL = U.S. EPA Maximum Contaminant Level for Groundwater (November 2021)

ISL = Tennessee Underground Storage Tank System Assessment Closure Initial Screening Levels for groundwater-drinking water (September 2006)

NE = Not Established

— = Not Detected

J = Estimated

Table 5
Detected Concentrations in Soil Gas, Phase II ESA (EnSafe December 2021)
Block A, Legends Park Subdivision, Memphis, Tennessee

Analyte	Res VISL (a)	Com VISL (b)	SG01	SG02	SG03	SG04	SG05
Acetone	107000	451000	72	145	51.1	6.11	82.2
Benzene	12	52.4	**13.8 a**	2.18	1.67	0.581 J	2.66
Bromodichloromethane	2.53	11	1.19 J	—	—	—	—
Butadiene, 1,3-	3.12	13.6	1.42 J	0.843 J	—	—	1.21 J
Carbon tetrachloride	15.6	68.1	0.844 J	0.976 J	—	—	—
Chloroform	4.07	17.8	—	—	0.759 J	0.891 J	—
Chloromethane	313	1310	0.386 J	0.708	—	0.425 J	0.492 J
Cyclohexane	20900	87600	2.78	3.4	0.816 J	0.637 J	3.48
Dichlorobenzene, 1,4-	8.51	37.2	—	—	—	0.568 J	—
Dichlorodifluoromethane	348	1460	3.18	3.52	2.83	3.17	204
Ethylbenzene	37.4	164	3.95	2.49	1.98	0.863 J	1.94
Heptane, n-	1390	5840	3.01	3.88	1.1 J	—	3.67
Hexane, n-	2430	10200	2.22 J	4.76	1.1 J	—	5.89
Hexanone, 2-	104	438	2.27 J	8.79	1.37 J	—	3.25 J
Isopropanol	695	2920	19.9	4.87	—	2.63 J	283
Methyl Ethyl Ketone	17400	73000	7.84	19.2	3.16 J	—	7.61
Methyl-tert-butyl ether	360	1570	1.63	—	0.854 J	—	—
Methylene Chloride	2090	8760	0.653 J	0.639 J	—	0.583 J	—
Naphthalene	2.75	12	**26.8 ab**	—	—	—	—
Tetrachloroethene	139	584	0.964 J	—	—	—	—
Toluene	17400	73000	13.4	10.5	4.11	2.4 J	6.71
Trichlorotrifluoroethane, 1,1,2-	17400	73000	1.33 J	1.1 J	0.996 J	1.12 J	—
Trimethylbenzene, 1,2,4-	209	876	10.6	6.23	4.6	1.26 J	2.36
Trimethylbenzene, 1,3,5-	209	876	5.79	1.87	1.75	0.697 J	1.16 J
Xylene (Total)	348	1460	29.1	15.6	11	3.96 J	9.03
Cumulative Vapor Intrusion Risk							
Carcinogenic Risk			**1.20E-05**	5.81E-07	3.81E-07	3.57E-07	6.61E-07
Hazard Quotient			0.315	0.034	0.0104	0.00442	0.128

Notes:

All results are shown in micrograms per cubic meter ($\mu g/m^3$)

December 2021 analytical results were collected by EnSafe and are summarized in the *Phase II Environmental Site Assessment Report, Block A, Legends Park Subdivision, Memphis, Tennessee* , dated December 30, 2021.

VISL = Vapor Intrusion Screening Level

Res VISL = Residential Target Sub-Slab and Near-source Soil Gas Concentration, TCR=1E-06, THQ=0.1 (November 2021)

Com VISL = Commercial Target Sub-Slab and Near-source Soil Gas Concentration, TCR=1E-06, THQ=0.1 (November 2021)

TCR = Target Cancer Risk

THQ = Target Hazard Quotient

J = Estimated value

— = Not detected

a = Exceeds Res VISL

b = Exceeds Com VISL

Table 5
Detected Concentrations in Soil Gas, Phase II ESA (EnSafe December 2021)
Block A, Legends Park Subdivision, Memphis, Tennessee

Analyte	Res VISL (a)	Com VISL (b)	SG01	SG02	SG03	SG04	SG05
Acetone	107000	451000	72	145	51.1	6.11	82.2
Benzene	12	52.4	**13.8 a**	2.18	1.67	0.581 J	2.66
Bromodichloromethane	2.53	11	1.19 J	—	—	—	—
Butadiene, 1,3-	3.12	13.6	1.42 J	0.843 J	—	—	1.21 J
Carbon tetrachloride	15.6	68.1	0.844 J	0.976 J	—	—	—
Chloroform	4.07	17.8	—	—	0.759 J	0.891 J	—
Chloromethane	313	1310	0.386 J	0.708	—	0.425 J	0.492 J
Cyclohexane	20900	87600	2.78	3.4	0.816 J	0.637 J	3.48
Dichlorobenzene, 1,4-	8.51	37.2	—	—	—	0.568 J	—
Dichlorodifluoromethane	348	1460	3.18	3.52	2.83	3.17	204
Ethylbenzene	37.4	164	3.95	2.49	1.98	0.863 J	1.94
Heptane, n-	1390	5840	3.01	3.88	1.1 J	—	3.67
Hexane, n-	2430	10200	2.22 J	4.76	1.1 J	—	5.89
Hexanone, 2-	104	438	2.27 J	8.79	1.37 J	—	3.25 J
Isopropanol	695	2920	19.9	4.87	—	2.63 J	283
Methyl Ethyl Ketone	17400	73000	7.84	19.2	3.16 J	—	7.61
Methyl-tert-butyl ether	360	1570	1.63	—	0.854 J	—	—
Methylene Chloride	2090	8760	0.653 J	0.639 J	—	0.583 J	—
Naphthalene	2.75	12	**26.8 ab**	—	—	—	—
Tetrachloroethene	139	584	0.964 J	—	—	—	—
Toluene	17400	73000	13.4	10.5	4.11	2.4 J	6.71
Trichlorotrifluoroethane, 1,1,2-	17400	73000	1.33 J	1.1 J	0.996 J	1.12 J	—
Trimethylbenzene, 1,2,4-	209	876	10.6	6.23	4.6	1.26 J	2.36
Trimethylbenzene, 1,3,5-	209	876	5.79	1.87	1.75	0.697 J	1.16 J
Xylene (Total)	348	1460	29.1	15.6	11	3.96 J	9.03
Cumulative Vapor Intrusion Risk							
Carcinogenic Risk			**1.20E-05**	5.81E-07	3.81E-07	3.57E-07	6.61E-07
Hazard Quotient			0.315	0.034	0.0104	0.00442	0.128

Notes:

All results are shown in micrograms per cubic meter ($\mu g/m^3$)

December 2021 analytical results were collected by EnSafe and are summarized in the *Phase II Environmental Site Assessment Report, Block A, Legends Park Subdivision, Memphis, Tennessee* , dated December 30, 2021.

VISL = Vapor Intrusion Screening Level

Res VISL = Residential Target Sub-Slab and Near-source Soil Gas Concentration, TCR=1E-06, THQ=0.1 (November 2021)

Com VISL = Commercial Target Sub-Slab and Near-source Soil Gas Concentration, TCR=1E-06, THQ=0.1 (November 2021)

TCR = Target Cancer Risk

THQ = Target Hazard Quotient

J = Estimated value

— = Not detected

a = Exceeds Res VISL

b = Exceeds Com VISL

Table 6
Detected Concentrations of VOCs in Soil Gas and Vapor Intrusion Risk (EnSafe March 2023)
Block A, Legends Park Subdivision
Memphis, Tennessee

Detected Concentrations of VOCs	Res VISL	SG06	SG07R	SG08R	SG09R	SG10	SG11	SG12
Acetone	NE	72.2	35.2	79.4	111	50.1	18.5	33.3
Benzene	12	1.09	—	1.08	1.63	1.47	1.74	2.09
Carbon disulfide	2,430	0.716	1.01	1.48	—	1.88	1.03	0.993
Chloromethane	313	0.477	0.442	0.754	0.748	0.915	1.35	1.12
Cyclohexane	20,900	0.84	—	—	0.94	—	0.995	—
Dichlorodifluoromethane	348	2.07	1.88	1.91	2.11	2.12	2.14	1.89
Ethanol	NE	2.96 B	5.79	—	17.8	—	16.1	2.56 B
Ethylbenzene	37.4	—	—	—	0.867	0.876	1.21	2.38
Heptane	1,390	—	—	—	1.32	—	1.44	0.937
Hexane, n-	2,430	—	—	—	—	—	3.6	—
Hexanone, 2-	104	18.6	7.44	17.6	34.2	13.5	—	19.3
Isopropanol	695	5.58	3.59	3.12	19.8	6.02	45	9.17
Methyl Ethyl Ketone	17,400	15.9	5.87	19	27.7	14	—	10
Methyl Isobutly Ketone	10,400	6.92	5.2	7.29	12.3	5.9	—	9.25
Methylene Chloride	2,090	—	0.84	—	0.743	—	1.21	—
Propene	10,400	9.5	—	7.77	11.6	7.04	—	4.48
Tetrahydrofuran	6,950	—	0.64	0.737	—	—	—	—
Toluene	17,400	2.03	2.34	2.56	3.48	2.46	8.17	8.1
Trichlorofluoromethane	NE	1.34	—	—	1.19	1.34	1.37	1.44
Trimethylbenzene, 1,2,4-	209	1.23	2.12	1.96	2.27	—	—	8.05
Trimethylbenzene, 1,3,5-	209	—	—	—	—	—	—	1.93
Xylenes, Total	348	3.91	3.73	4.06	5.3	3.4	—	15.1
Xylene, m&p-	348	2.41	2.47	2.68	2.84	1.83	2.15	10.2
Xylene, o-	348	1.49	1.26	1.38	1.53	1.57	—	4.9
Ethyltoluene, 4-	NE	—	—	—	1.28	—	—	5.1
Cumulative Vapor Intrusion Risk		**SG06**	**SG07R**	**SG08R**	**SG09R**	**SG10**	**SG11**	**SG12**
Carcinogenic Risk		9.08E-08	2.49E-10	9.00E-08	1.59E-07	1.46E-07	1.78E-07	2.38E-07
Hazard Quotient		0.0224	0.0106	0.0216	0.0386	0.0174	0.00963	0.0323

Notes:
All results are shown in micrograms per cubic meter ($\mu g/m^3$)
VOCs = Volatile organic compounds
VISL = Vapor Intrusion Screening Level
Res VISL = Residential Target Sub-Slab and Near-source Soil Gas Concentration, TCR=1E-06, THQ=0.1 (November 2022)
TCR = Target Cancer Risk
THQ = Target Hazard Quotient
NE = Not established
— = Not detected
B = Analyte found in blank
a = Exceeds Res VISL
b = Exceeds Com VISL

Table 7
Detected Concentrations of VOCs, PAHs and RCRA 8 Metals in Soil, Excavation Extent Edgeview at Legends Park, Block A
Memphis, TN

						Sample Location:	SB42C	SB42C	SB42C	SB42C	SB42C	SB25C	SB25C	SB25C	SB25C	SB28C	SB28C	SB28C	SB28C
						Sample ID:	LEGSSB42C-01	LEGSSB42C-02	LEGSSB42C-03	LEGSSB42C-03A**	LEGSSB42C-04	LEGSSB25C-01	LEGSSB25C-02	LEGSSB25C-03	LEGSSB25C-04	LEGSSB28C-01	LEGSSB28C-02	LEGSSB28C-03	LEGSSB28C-04
						Sample Date:	01/10/2024	01/10/2024	01/10/2024	01/24/2024	01/10/2024	01/10/2024	01/10/2024	01/10/2024	01/10/2024	01/10/224	01/10/2024	01/10/2024	01/10/2024
						Matrix:	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil
Method	**CAS No.**	**Analyte**	**RSL Industrial Soil (a)**	**RSL Residential Soil (b)**	**TN BKG Value (c)**	**Depth (ft):** **Units**													
SW6010	7440-38-2	**Arsenic**	**3**	**0.68**	**20**	mg/kg	**6.59 ab**	**7.32 ab**	**8.35 ab**	**6.09 ab**	**8.37 ab**	**9.72 ab**	**9.23 ab**	**10.9 ab**	**7.78 ab**	**7.91 ab**	**16.2 ab**	**11.3 ab**	**8.94 ab**
SW6010	7440-39-3	**Barium**	22000	1500	**144**	mg/kg	**87.7**	**91.7**	**111**	**101**	**107**	**181 c**	**123**	**126**	**99.9**	**106**	**261**	**131**	**114**
SW6010	7440-43-9	**Cadmium**	10	**0.71**	**1**	mg/kg	**0.346**	**0.384**	**0.535**	**0.199**	**0.440**	**0.451**	**0.443**	**0.487**	**0.413**	**0.415**	**1.69 bc**	**0.53**	**0.469**
SW6010	7440-47-3	**Chromium**	NE	NE	**20**	mg/kg	**12.5**	**14.3**	**13.5**	**13.4**	**14.7**	**11.5**	**12.4**	**13.4**	**13.8**	**13.8**	**17.4**	**15.3**	**14.2**
SW6010	7439-92-1	**Lead**	800	200	**45**	mg/kg	**24.8**	**14**	**60.1 c**	**26.8**	**27.9**	**14.7**	**40.2**	**27.0**	**23.0**	**24.6**	**482 bc**	**70.2 c**	**39.4 c**
SW6010	7782-49-2	Selenium	580	39	1.2	mg/kg	0.423 U	0.426 U	0.432 U	0.428 U	0.423 U	0.427 U	0.441 U	0.433 U	0.435 U	0.424 U	0.431 U	0.433 U	0.44 U
SW6010	7440-22-4	Silver	580	39	1.2	mg/kg	0.242 U	0.244 U	0.247 U	0.245 U	0.242 U	0.244 U	0.253 U	0.248 U	0.249 U	0.243 U	0.597	0.288 J	0.252 U
SW7471	7439-97-6	**Mercury**	3	0.71	**0.18**	mg/kg	**0.0715 J**	**0.0634 J**	**0.164 J**	**0.114 J**	**0.176 J**	**0.0391 J**	**0.102 J**	**0.0804 J**	**0.0793 J**	**0.0586 J**	**1.05 c**	**0.152 J**	**0.113 J**
SW8260	95-63-6	1,2,4-trimethylbenzene	180	30	NE	mg/kg	0.0009 U	0.0025 U	0.0010 U	0.0024 U	0.0010 U	0.0009 U	0.0010 U	0.0011 U	0.0024 U	0.0024 U	0.0009 U	0.0010 U	0.0011 U
SW8260	78-93-3	2-Butanone (MEK)	19000	2700	NE	mg/kg	**0.0046**	**0.0073 J**	**0.0139 J**	0.00447 U	**0.0088 J**	0.0046 U	**0.0188 J**	0.0052 U	0.0259 J	**0.0149 J**	0.0047 U	0.0047 U	0.0052 U
SW8260	67-64-1	Acetone	110000	7000	NE	mg/kg	**0.0387 J**	**0.0242 J**	**0.126**	**0.0359 J**	**0.0440 J**	**0.0811**	**0.215**	**0.128**	**0.252**	**0.112**	**0.0382 J**	**0.0754**	**0.0680**
SW8260	71-43-2	Benzene	5.1	1.2	NE	mg/kg	0.0004 U	0.0004 U	0.0004 U	0.0011 U	**0.0013 J**	**0.00007 J**	0.0004 U	0.0004 U	0.0024 U	0.0012 J	0.0004 U	0.0004 U	0.0039 U
SW8260	75-15-0	Carbon disulfide	350	77	NE	mg/kg	0.0034 U	0.0034 U	0.0035 U	0.0045 U	**0.0072 J**	**0.0055 J**	0.0035 U	0.0035 U	**0.0107 J**	**0.0043 J**	0.0035 U	0.0035 U	**0.0154**
SW8260	100-41-4	Ethylbenzene	25	5.8	NE	mg/kg	0.0007 U	0.0007 U	0.0007 U	0.0014 U	**0.0008 J**	0.0007 U	0.0008 U	0.0008 U	0.0024 U	0.0024 U	0.0007 U	0.0008 U	0.0008 U
SW8260	179601-23-1	m,p-Xylene	NE	NE	NE	mg/kg	0.0017 U	0.0017 U	0.0017 U	0.0029 U	0.0018 U	0.0017 U	0.0018 U	0.0018 U	0.0049 U	0.0049 U	0.0017 U	0.0018 U	**0.0022 J**
SW8260	95-47-6	o-Xylene	280	64	NE	mg/kg	0.0009 U	0.0009 U	0.0009 U	0.0009 U	0.0010 U	0.0009 U	0.0009 U	0.0009 U	0.0024 U	0.0024 U	0.0009 U	0.0009 U	0.0010 U
SW8260	135-98-8	sec-Butylbenzene	12000	780	NE	mg/kg	0.0011 U	0.0011 U	0.0011 U	0.0016 U	0.0012 U	0.0011 U	0.0011 U	0.0011 U	0.0024 U	0.0024 U	0.0011 U	0.0011 U	0.0012 U
SW8260	108-88-3	Toluene	4700	490	NE	mg/kg	0.0039 U	0.0039 U	0.0040 U	**0.002 J**	0.0040 U	0.0039 U	0.0040 U	0.0040 U	0.0049 U	0.0049 U	0.0040 U	0.0040 U	0.0045 U
SW8260	1330-20-7	Xylene (Total)	250	58	NE	mg/kg	0.0009 U	0.0009 U	0.0009 U	0.0029 U	0.0010 U	0.0009 U	0.0009 U	0.0009 U	0.0024 U	0.0024 U	0.0009 U	0.0009 U	**0.0022 J**
SW8270SIM	91-57-6	2-Methylnaphthalene	300	24	NE	mg/kg	**0.0154**	0.00237 U	**0.0226**	0.00238 U	0.00249 U	0.00237 U	0.00245 U	0.00245 U	0.00249 U	**0.00317**	**0.0358**	**0.00528**	0.00244 U
SW8270SIM	83-32-9	Acenaphthene	4500	360	NE	mg/kg	**0.0671**	**0.00415**	**0.162**	**0.00221**	**0.00325**	0.000330 U	**0.00213**	**0.00673**	**0.00108**	**0.00873**	**0.0215**	**0.00437**	**0.00275**
SW8270SIM	208-96-8	Acenaphthylene	NE	NE	NE	mg/kg	**0.00506**	**0.000996**	**0.0154**	**0.00320**	**0.00405**	**0.00759**	**0.00677**	**0.000701 J**	**0.00205**	**0.0133**	**0.0514**	**0.00728**	**0.002**
SW8270SIM	120-12-7	Anthracene	23000	1800	NE	mg/kg	**0.166**	**0.0127**	**0.465**	**0.0100**	**0.0124**	**0.00307**	**0.00759**	**0.0149**	**0.00584**	**0.454**	**0.0575**	**0.0152**	**0.0125**
SW8270SIM	56-55-3	**Benzo(a)anthracene**	21	**1.1**	NE	mg/kg	**0.561**	**0.0601**	**0.08**	**0.07**	**0.0812**	**0.0161**	**0.0591**	**0.058**	**0.0294**	**0.235**	**0.460**	**0.144**	**0.0644**
SW8270SIM	50-32-8	**Benzo(a)pyrene**	**2.1**	**0.11**	NE	mg/kg	**0.556 b**	**0.0684**	**1.25 b**	**0.0819**	**0.101**	**0.0197**	**0.0751**	**0.0664**	**0.0337**	**0.246 b**	**0.576 b**	**0.188 b**	**0.0779**
SW8270SIM	205-99-2	**Benzo(b)fluoranthene**	21	**1.1**	NE	mg/kg	**0.467**	**0.054**	**1.31 b**	**0.123**	**0.0911**	**0.0200**	**0.06**	**0.0551**	**0.0325**	**0.225**	**0.535**	**0.149**	**0.0571**
SW8270SIM	191-24-2	Benzo(g,h,i)perylene	NE	NE	NE	mg/kg	**0.255**	**0.0309**	**0.504**	**0.0536**	**0.0553**	**0.0103**	**0.0299**	**0.0255**	**0.0191**	**0.126**	**0.419**	**0.1**	**0.0421**
SW8270SIM	207-08-9	Benzo(k)fluoranthene	210	11	NE	mg/kg	**0.153**	**0.0232**	**0.535**	**0.0420**	**0.0334**	**0.00795**	**0.0265**	**0.0196**	**0.0128**	**0.0851**	**0.227**	**0.0595**	**0.0367**
SW8270SIM	218-01-9	Chrysene	2100	110	NE	mg/kg	**0.607**	**0.0729**	**1.41**	**0.0739**	**0.0943**	**0.0203**	**0.0699**	**0.0714**	**0.0335**	**0.248**	**0.649**	**0.188**	**0.0747**
SW8270SIM	53-70-3	**Dibenz(a,h)anthracene**	2.1	**0.11**	NE	mg/kg	**0.103**	**0.013**	**0.195 b**	**0.0185**	**0.0204**	**0.00424**	**0.0123**	**0.011**	**0.00785**	**0.0487**	**0.132 b**	**0.0405**	**0.0153**
SW8270SIM	206-44-0	Fluoranthene	3000	240	NE	mg/kg	**1.06**	**0.124**	**2.48**	**0.158**	**0.162**	**0.0422**	**0.108**	**0.141**	**0.0605**	**0.404**	**1.14**	**0.292**	**0.14**
SW8270SIM	86-73-7	Fluorene	3000	240	NE	mg/kg	**0.0585**	**0.00306**	**0.158**	**0.00255**	**0.00265**	**0.000803 J**	**0.00237**	**0.00575**	**0.00127**	**0.0103**	**0.0245**	**0.00433**	**0.00249**
SW8270SIM	193-39-5	**Indeno(1,2,3-cd)pyrene**	21	**1.1**	NE	mg/kg	**0.310**	**0.038**	**0.633**	**0.0629**	**0.0648**	**0.0134**	**0.0422**	**0.0336**	**0.0234**	**0.155**	**0.418**	**0.115**	**0.00498**
SW8270SIM	91-20-3	Naphthalene	8.6	2	NE	mg/kg	**0.0226**	0.00177 U	**0.0289**	0.00178 U	0.00186 U	0.0077 U	0.00183 U	0.0086 U	0.00249 U	**0.00771**	**0.0327**	**0.00417**	**0.00251**
SW8270SIM	85-01-8	Phenanthrene	NE	NE	NE	mg/kg	**0.653**	**0.0584**	**1.79**	**0.0516**	**0.064**	**0.0215**	**0.0486**	**0.0796**	**0.0271**	**0.225**	**0.545**	**0.124**	**0.0642**
SW8270SIM	129-00-0	Pyrene	2300	180	NE	mg/kg	**0.695**	**0.0999**	**1.85**	**0.135**	**0.138**	**0.0336**	**0.0956**	**0.111**	**0.0502**	**0.335**	**1.00**	**0.233**	**0.113**
		Benzo(a)pyrene equivalency		1.15*	NE	mg/kg	0.79	0.10	1.78	0.13	0.15	0.03	0.10	0.09	0.05	0.36	0.85	0.27	0.11

Notes:
CAS No. = Chemical Abstracts Service number
ft = feet
NE = Not Established
RSL Residential Soil = US EPA Regional Screening level (RSL) HQ=0.1 for Residential Soil (November 2024)
RSL Industrial Soil = US EPA Regional Screening level (RSL) HQ=0.1 for Industrial Soil (November 2024)
TN BKG Value = Tennessee soil background value
J = Estimated value
U = Non-Detect
Bold = Detected Value
Shaded/Bold = exceeds screening value
** = Stepout sample at SB42C
a = exceeds RSL Industrial Soil
b = exceeds RSL Residential Soil
c = exceeds TN BKG Value
* = Tennessee Department Environment and Conservation Benzo(a)pyrene Equivalency (BEQ) Screening Level for residential land use provided via email on May 5, 2023.
Red exceeds BEQ for residential use of 1.15 mg/kg.

Relative Potency Factors

Compound	RPF
Benzo(a)pyrene	1
Benz(a)anthracene	0.1
Benzo(b)fluoranthene	0.1
Benzo(k)fluoranthene	0.01
Chrysene	0.001
Dibenz(a,h)anthracene	1
Indeno(1,2,3-c,d)pyrene	0.1

Attachment C
Laboratory Results

Waypoint ANALYTICAL

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1/17/2024

Ensafe
Mr. Wesley Goodnight
5724 Summer Tree Drive
Memphis, TN, 38134

Ref: Analytical Testing
Lab Report Number: 24-010-0197
Client Project Description: Legends Park
198 N. Pauline-Memphis, TN
Project No. 0888836801

Dear Mr. Wesley Goodnight:
Waypoint Analytical, LLC. received sample(s) on 1/10/2024 for the analyses presented in the following report.

The above referenced project has been analyzed per your instructions. The analyses were performed in accordance with the applicable analytical method. Where the laboratory was not responsible for the sampling stage (refer to the chain of custody) results apply to the sample as received.

The analytical data has been validated using standard quality control measures performed as required by the analytical method. Quality Assurance, method validations, instrumentation maintenance and calibration for all parameters (NELAP and non-NELAP) were performed in accordance with guidelines established by the USEPA (including 40 CFR 136 Method Update Rule May 2021) and NELAC unless otherwise indicated. Any parameter for which the laboratory is not officially NELAP accredited is indicated by a '~' symbol. These are not included in the scope because NELAP accreditation is either not available or has not been applied for. Additional certifications may be held/are available for parameters, where NELAP accreditation is not required or applicable. A full list of certifications is available upon request.

Certain parameters (chlorine, pH, dissolved oxygen, sulfite...) are required to be analyzed within 15 minutes of sampling. Usually, but not always, any field parameter analyzed at the laboratory is outside of this holding time. Refer to sample analysis time for confirmation of holding time compliance.

The results are shown on the attached Report of Analysis(s). Results for solid matrices are reported on an as-received basis unless otherwise indicated. This report shall not be reproduced except in full and relates only to the samples included in this report.

Please do not hesitate to contact me or client services if you have any questions or need additional information.

Sincerely,

Rebekah Ross

Rebekah Ross
Project Manager

Laboratory's liability in any claim relating to analyses performed shall be limited to, at laboratory's option, repeating the analysis in question at laboratory's expense, or the refund of the charges paid for performance of said analysis.

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Certification Summary

Laboratory ID: WP MTN: Waypoint Analytical, LLC., Memphis, TN

State	Program	Lab ID	Expiration Date
Alabama	State Program	40750	02/29/2024
Arkansas	State Program	88-0650	02/07/2024
California	State Program	2904	06/30/2024
Florida	State Program - NELAP	E871157	06/30/2024
Georgia	State Program	C044	11/14/2025
Georgia	State Program	04015	06/30/2024
Illinois	State Program - NELAP	200078	10/31/2024
Kentucky	State Program	80215	06/30/2024
Kentucky	State Program	KY90047	12/31/2024
Louisiana	State Program - NELAP	LA037	12/31/2024
Louisiana	State Program - NELAP	04015	06/30/2024
Mississippi	State Program	MS	11/14/2025
North Carolina	State Program	47701	07/31/2024
North Carolina	State Program	415	12/31/2024
Pennsylvania	State Program - NELAP	68-03195	05/31/2024
South Carolina	State Program	84002	06/30/2024
Tennessee	State Program	02027	11/14/2025
Texas	State Program - NELAP	T104704180	09/30/2024
Virginia	State Program	00106	06/30/2024
Virginia	State Program - NELAP	460181	09/14/2024

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Sample Summary Table

Report Number: **24-010-0197**

Client Project Description: **Legends Park**
198 N. Pauline-Memphis, TN
Project No. 0888836801

Lab No	Client Sample ID	Matrix	Date Collected	Date Received
99313	LEGSSB42C-01	Solids	01/10/2024 09:25	01/10/2024
99314	LEGSSB42C-02	Solids	01/10/2024 09:25	01/10/2024
99315	LEGSSB42C-03	Solids	01/10/2024 09:50	01/10/2024
99316	LEGSSB42C-04	Solids	01/10/2024 09:50	01/10/2024
99317	LEGSSB25C-01	Solids	01/10/2024 10:45	01/10/2024
99318	LEGSSB25C-02	Solids	01/10/2024 10:45	01/10/2024
99319	LEGSSB25C-03	Solids	01/10/2024 10:45	01/10/2024
99320	LEGSSB25C-04	Solids	01/10/2024 10:45	01/10/2024
99321	LEGSSB28C-01	Solids	01/10/2024 11:40	01/10/2024
99322	LEGSSB28C-02	Solids	01/10/2024 11:40	01/10/2024
99323	LEGSSB28C-03	Solids	01/10/2024 11:40	01/10/2024
99324	LEGSSB28C-04	Solids	01/10/2024 11:40	01/10/2024
99361	LEGTB0110204	Aqueous	01/10/2024 08:47	01/10/2024

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Client: Ensafe
Project: Legends Park
Lab Report Number: 24-010-0197
Date: 1/17/2024

CASE NARRATIVE

Volatile Organic Compounds - GC/MS Method 8260B
Analyte: 2-Chloroethyl vinyl ether
QC Batch No: L727593/L727461
This target analyte was flagged for recoveries outside QC limits in the associated LCS/LCSD. Data for this analyte is flagged "M" to indicate that results should be considered minimum concentration due to the potential for a low bias.

Semivolatile Organic Compounds - GC/MS (SIM) Method 8270D SIM
Sample 99315 (LEGSSB42C-03)
QC Batch No: L727510/L727270
The sample was diluted due to the nature of the sample matrix. Reporting limits have been adjusted accordingly.

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03180
Ensafe
Mr. Wesley Goodnight
5724 Summer Tree Drive
Memphis , TN 38134

Project Legends Park

Information : 198 N. Pauline-Memphis, TN
Project No. 0888836801

Report Date : 01/17/2024
Received : 01/10/2024

Rebekah Ross
Project Manager

Report Number : **24-010-0197**

REPORT OF ANALYSIS

Lab No : **99313**
Sample ID : **LEGSSB42C-01**

Matrix: **Solids**
Sampled: **1/10/2024 9:25**

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Method
Moisture	**17.4**	%	0	0.050	1	01/11/24 10:57	A.B	SW-DRYWT
Arsenic	**6.59**	mg/Kg - dry	0.302	0.605	1	01/12/24 19:34	JTR	6010D
Barium	**87.7**	mg/Kg - dry	0.181	0.605	1	01/12/24 19:34	JTR	6010D
Cadmium	**0.346**	mg/Kg - dry	0.0605	0.121	1	01/12/24 19:34	JTR	6010D
Chromium	**12.5**	mg/Kg - dry	0.302	0.302	1	01/12/24 19:34	JTR	6010D
Lead	**24.8**	mg/Kg - dry	0.242	0.363	1	01/12/24 19:34	JTR	6010D
Mercury	**0.0715 J**	mg/Kg - dry	0.0271	0.225	1	01/12/24 11:25	MRE	7471A
Selenium	<0.423	mg/Kg - dry	0.423	0.605	1	01/12/24 19:34	JTR	6010D
Silver	<0.242	mg/Kg - dry	0.242	0.303	1	01/12/24 19:34	JTR	6010D

Qualifiers/ Definitions

DF	Dilution Factor	I	Recovery out of range
J	Estimated value	M	Minimum value
MQL	Method Quantitation Limit		

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Project Legends Park

Information : 198 N. Pauline-Memphis, TN
Project No. 0888836801

Report Date : 01/17/2024
Received : 01/10/2024

Rebekah Ross
Project Manager

Report Number : **24-010-0197**

REPORT OF ANALYSIS

Lab No : **99313**
Sample ID : **LEGSSB42C-01**

Matrix: **Solids**
Sampled: **1/10/2024 9:25**

Analytical Method: 8260B **Prep Batch(es):** **L727726** 01/12/24 07:51
Prep Method: 5035

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Batch
Acetone	**0.0387 J**	mg/Kg - dry	0.0052	0.0485	1	01/12/24 13:48	ASH	L727732
Acetonitrile	<0.0631	mg/Kg - dry	0.0631	0.242	1	01/12/24 13:48	ASH	L727732
Acrolein	<0.0100	mg/Kg - dry	0.0100	0.0485	1	01/12/24 13:48	ASH	L727732
Acrylonitrile	<0.0046	mg/Kg - dry	0.0046	0.0485	1	01/12/24 13:48	ASH	L727732
Benzene	<0.0004	mg/Kg - dry	0.0004	0.0024	1	01/12/24 13:48	ASH	L727732
Bromobenzene	<0.0009	mg/Kg - dry	0.0009	0.0024	1	01/12/24 13:48	ASH	L727732
Bromochloromethane	<0.0005	mg/Kg - dry	0.0005	0.0024	1	01/12/24 13:48	ASH	L727732
Bromodichloromethane	<0.0009	mg/Kg - dry	0.0009	0.0024	1	01/12/24 13:48	ASH	L727732
Bromoform	<0.0015	mg/Kg - dry	0.0015	0.0024	1	01/12/24 13:48	ASH	L727732
Bromomethane	<0.0019	mg/Kg - dry	0.0019	0.0024	1	01/12/24 13:48	ASH	L727732
Methyl Ethyl Ketone (MEK)	<0.0046	mg/Kg - dry	0.0046	0.0485	1	01/12/24 13:48	ASH	L727732
n-Butylbenzene	<0.0011	mg/Kg - dry	0.0011	0.0024	1	01/12/24 13:48	ASH	L727732
sec-Butyl benzene	<0.0011	mg/Kg - dry	0.0011	0.0024	1	01/12/24 13:48	ASH	L727732
tert-Butyl benzene	<0.0008	mg/Kg - dry	0.0008	0.0024	1	01/12/24 13:48	ASH	L727732
Carbon Disulfide	<0.0034	mg/Kg - dry	0.0034	0.0121	1	01/12/24 13:48	ASH	L727732
Carbon Tetrachloride	<0.0004	mg/Kg - dry	0.0004	0.0024	1	01/12/24 13:48	ASH	L727732
Chlorobenzene	<0.0009	mg/Kg - dry	0.0009	0.0024	1	01/12/24 13:48	ASH	L727732
Chlorodibromomethane	<0.0012	mg/Kg - dry	0.0012	0.0024	1	01/12/24 13:48	ASH	L727732
Chloroethane	<0.0010	mg/Kg - dry	0.0010	0.0024	1	01/12/24 13:48	ASH	L727732
Chloroform	<0.0006	mg/Kg - dry	0.0006	0.0024	1	01/12/24 13:48	ASH	L727732
Chloromethane	<0.0008	mg/Kg - dry	0.0008	0.0024	1	01/12/24 13:48	ASH	L727732
2-Chlorotoluene	<0.0011	mg/Kg - dry	0.0011	0.0024	1	01/12/24 13:48	ASH	L727732

Qualifiers/ Definitions

DF	Dilution Factor	I	Recovery out of range
J	Estimated value	M	Minimum value
MQL	Method Quantitation Limit		

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Memphis , TN 38134

Project Legends Park

Information : 198 N. Pauline-Memphis, TN
Project No. 0888836801

Report Date : 01/17/2024
Received : 01/10/2024

Rebekah Ross
Project Manager

Report Number : **24-010-0197**

REPORT OF ANALYSIS

Lab No : **99313**
Sample ID : **LEGSSB42C-01**

Matrix: **Solids**
Sampled: **1/10/2024 9:25**

Analytical Method: 8260B **Prep Batch(es):** **L727726** 01/12/24 07:51
Prep Method: 5035

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Batch
4-Chlorotoluene	<0.0012	mg/Kg - dry	0.0012	0.0024	1	01/12/24 13:48	ASH	L727732
1,2-Dibromo-3-Chloropropane	<0.0079	mg/Kg - dry	0.0079	0.0121	1	01/12/24 13:48	ASH	L727732
1,2-Dibromoethane	<0.0010	mg/Kg - dry	0.0010	0.0024	1	01/12/24 13:48	ASH	L727732
Dibromomethane	<0.0008	mg/Kg - dry	0.0008	0.0024	1	01/12/24 13:48	ASH	L727732
1,2-Dichlorobenzene	<0.0016	mg/Kg - dry	0.0016	0.0024	1	01/12/24 13:48	ASH	L727732
1,3-Dichlorobenzene	<0.0016	mg/Kg - dry	0.0016	0.0024	1	01/12/24 13:48	ASH	L727732
1,4-Dichlorobenzene	<0.0018	mg/Kg - dry	0.0018	0.0024	1	01/12/24 13:48	ASH	L727732
Dichlorodifluoromethane	<0.0022	mg/Kg - dry	0.0022	0.0024	1	01/12/24 13:48	ASH	L727732
1,1-Dichloroethane	<0.0004	mg/Kg - dry	0.0004	0.0024	1	01/12/24 13:48	ASH	L727732
1,2-Dichloroethane	<0.0005	mg/Kg - dry	0.0005	0.0024	1	01/12/24 13:48	ASH	L727732
1,1-Dichloroethene	<0.0007	mg/Kg - dry	0.0007	0.0024	1	01/12/24 13:48	ASH	L727732
cis-1,2-Dichloroethene	<0.0006	mg/Kg - dry	0.0006	0.0024	1	01/12/24 13:48	ASH	L727732
trans-1,2-Dichloroethene	<0.0003	mg/Kg - dry	0.0003	0.0024	1	01/12/24 13:48	ASH	L727732
1,2-Dichloroethene (Total)	<0.0003	mg/Kg - dry	0.0003	0.0024	1	01/12/24 13:48		L727732
1,2-Dichloropropane	<0.0007	mg/Kg - dry	0.0007	0.0024	1	01/12/24 13:48	ASH	L727732
1,3-Dichloropropane	<0.0011	mg/Kg - dry	0.0011	0.0024	1	01/12/24 13:48	ASH	L727732
2,2-Dichloropropane	<0.0007	mg/Kg - dry	0.0007	0.0024	1	01/12/24 13:48	ASH	L727732
1,1-Dichloropropene	<0.0004	mg/Kg - dry	0.0004	0.0024	1	01/12/24 13:48	ASH	L727732
cis-1,3-Dichloropropene	<0.0009	mg/Kg - dry	0.0009	0.0024	1	01/12/24 13:48	ASH	L727732
trans-1,3-Dichloropropene	<0.0009	mg/Kg - dry	0.0009	0.0024	1	01/12/24 13:48	ASH	L727732
Ethyl Acetate	<0.0073	mg/Kg - dry	0.0073	0.0485	1	01/12/24 13:48	ASH	L727732
Ethylbenzene	<0.0007	mg/Kg - dry	0.0007	0.0024	1	01/12/24 13:48	ASH	L727732

Qualifiers/ Definitions

DF	Dilution Factor	I	Recovery out of range
J	Estimated value	M	Minimum value
MQL	Method Quantitation Limit		

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Project Legends Park
Information : 198 N. Pauline-Memphis, TN
Project No. 0888836801

Report Date : 01/17/2024
Received : 01/10/2024

Rebekah Ross
Project Manager

Report Number : **24-010-0197**

REPORT OF ANALYSIS

Lab No : **99313**
Sample ID : **LEGSSB42C-01**

Matrix: **Solids**
Sampled: **1/10/2024 9:25**

Analytical Method: 8260B **Prep Batch(es):** **L727726** 01/12/24 07:51
Prep Method: 5035

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Batch
Hexachlorobutadiene	<0.0011	mg/Kg - dry	0.0011	0.0024	1	01/12/24 13:48	ASH	L727732
2-Hexanone	<0.0072	mg/Kg - dry	0.0072	0.0121	1	01/12/24 13:48	ASH	L727732
Iodomethane	<0.0055	mg/Kg - dry	0.0055	0.0121	1	01/12/24 13:48	ASH	L727732
Isopropylbenzene	<0.0009	mg/Kg - dry	0.0009	0.0024	1	01/12/24 13:48	ASH	L727732
4-Isopropyl toluene	<0.0011	mg/Kg - dry	0.0011	0.0024	1	01/12/24 13:48	ASH	L727732
4-Methyl-2-Pentanone	<0.0070	mg/Kg - dry	0.0070	0.0121	1	01/12/24 13:48	ASH	L727732
Methylene Chloride	<0.0033	mg/Kg - dry	0.0033	0.0121	1	01/12/24 13:48	ASH	L727732
Methyl tert-butyl ether (MTBE)	<0.0007	mg/Kg - dry	0.0007	0.0024	1	01/12/24 13:48	ASH	L727732
m,p-Xylene	<0.0017	mg/Kg - dry	0.0017	0.0048	1	01/12/24 13:48	ASH	L727732
Naphthalene	<0.0076	mg/Kg - dry	0.0076	0.0121	1	01/12/24 13:48	ASH	L727732
o-Xylene	<0.0009	mg/Kg - dry	0.0009	0.0024	1	01/12/24 13:48	ASH	L727732
n-Propyl acetate	<0.0082	mg/Kg - dry	0.0082	0.0121	1	01/12/24 13:48	ASH	L727732
n-Propylbenzene	<0.0007	mg/Kg - dry	0.0007	0.0024	1	01/12/24 13:48	ASH	L727732
Styrene	<0.0014	mg/Kg - dry	0.0014	0.0024	1	01/12/24 13:48	ASH	L727732
1,1,1,2-Tetrachloroethane	<0.0010	mg/Kg - dry	0.0010	0.0024	1	01/12/24 13:48	ASH	L727732
1,1,2,2-Tetrachloroethane	<0.0022	mg/Kg - dry	0.0022	0.0024	1	01/12/24 13:48	ASH	L727732
Tetrachloroethene	<0.0009	mg/Kg - dry	0.0009	0.0024	1	01/12/24 13:48	ASH	L727732
Toluene	<0.0039	mg/Kg - dry	0.0039	0.0048	1	01/12/24 13:48	ASH	L727732
1,2,3-Trichlorobenzene	<0.0024	mg/Kg - dry	0.0024	0.0024	1	01/12/24 13:48	ASH	L727732
1,2,4-Trichlorobenzene	<0.0013	mg/Kg - dry	0.0013	0.0024	1	01/12/24 13:48	ASH	L727732
1,1,1-Trichloroethane	<0.0004	mg/Kg - dry	0.0004	0.0024	1	01/12/24 13:48	ASH	L727732
1,1,2-Trichloroethane	<0.0012	mg/Kg - dry	0.0012	0.0024	1	01/12/24 13:48	ASH	L727732

Qualifiers/ Definitions

DF	Dilution Factor	I	Recovery out of range
J	Estimated value	M	Minimum value
MQL	Method Quantitation Limit		

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Project Legends Park
Information : 198 N. Pauline-Memphis, TN
Project No. 0888836801

Report Date : 01/17/2024
Received : 01/10/2024

Rebekah Ross
Project Manager

Report Number : **24-010-0197**

REPORT OF ANALYSIS

Lab No : **99313**
Sample ID : **LEGSSB42C-01**

Matrix: **Solids**
Sampled: **1/10/2024 9:25**

Analytical Method: 8260B **Prep Batch(es):** **L727726** 01/12/24 07:51
Prep Method: 5035

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Batch
Trichloroethene	<0.0010	mg/Kg - dry	0.0010	0.0024	1	01/12/24 13:48	ASH	L727732
Trichlorofluoromethane	<0.0010	mg/Kg - dry	0.0010	0.0024	1	01/12/24 13:48	ASH	L727732
1,2,3-Trichloropropane	<0.0018	mg/Kg - dry	0.0018	0.0024	1	01/12/24 13:48	ASH	L727732
1,2,4-Trimethylbenzene	<0.0009	mg/Kg - dry	0.0009	0.0024	1	01/12/24 13:48	ASH	L727732
1,3,5-Trimethylbenzene	<0.0011	mg/Kg - dry	0.0011	0.0024	1	01/12/24 13:48	ASH	L727732
Vinyl Acetate	<0.0049	mg/Kg - dry	0.0049	0.0485	1	01/12/24 13:48	ASH	L727732
Vinyl Chloride	<0.0008	mg/Kg - dry	0.0008	0.0024	1	01/12/24 13:48	ASH	L727732
Xylene (Total)	<0.0009	mg/Kg - dry	0.0009	0.0024	1	01/12/24 13:48		L727732
Surrogate: 4-Bromofluorobenzene	85.7		Limits: 60-140%		1	01/12/24 13:48	ASH	L727732
Surrogate: 1,2-Dichloroethane - d4	82.4		Limits: 60-140%		1	01/12/24 13:48	ASH	L727732
Surrogate: Toluene-d8	83.0		Limits: 60-140%		1	01/12/24 13:48	ASH	L727732

Analytical Method: 8270D SIM **Prep Batch(es):** **L727270** 01/11/24 09:59
Prep Method: 3550B

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Batch
Acenaphthene	**0.0671**	mg/Kg - dry	0.000368	0.000811	1	01/11/24 16:49	SMB	L727510
Acenaphthylene	**0.00506**	mg/Kg - dry	0.000326	0.000811	1	01/11/24 16:49	SMB	L727510
Anthracene	**0.166**	mg/Kg - dry	0.000404	0.000811	1	01/11/24 16:49	SMB	L727510
Benzo(a)anthracene	**0.561**	mg/Kg - dry	0.000596	0.000811	1	01/11/24 16:49	SMB	L727510
Benzo(a)pyrene	**0.556**	mg/Kg - dry	0.000566	0.000811	1	01/11/24 16:49	SMB	L727510
Benzo(b)fluoranthene	**0.467**	mg/Kg - dry	0.000708	0.000811	1	01/11/24 16:49	SMB	L727510
Benzo(g,h,i)perylene	**0.255**	mg/Kg - dry	0.000773	0.000811	1	01/11/24 16:49	SMB	L727510

Qualifiers/ Definitions

DF	Dilution Factor	I	Recovery out of range
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MQL	Method Quantitation Limit		

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Rebekah Ross
Project Manager

Report Number : **24-010-0197**

REPORT OF ANALYSIS

Lab No : **99313**
Sample ID : **LEGSSB42C-01**

Matrix: **Solids**
Sampled: **1/10/2024 9:25**

Analytical Method: 8270D SIM **Prep Batch(es):** **L727270** 01/11/24 09:59
Prep Method: 3550B

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Batch
Benzo(k)fluoranthene	**0.153**	mg/Kg - dry	0.000529	0.000811	1	01/11/24 16:49	SMB	L727510
Chrysene	**0.607**	mg/Kg - dry	0.000755	0.000811	1	01/11/24 16:49	SMB	L727510
Dibenz(a,h)anthracene	**0.103**	mg/Kg - dry	0.000743	0.000811	1	01/11/24 16:49	SMB	L727510
Fluoranthene	**1.06**	mg/Kg - dry	0.00238	0.00406	5	01/12/24 16:42	SMB	L727510
Fluorene	**0.0585**	mg/Kg - dry	0.000346	0.000811	1	01/11/24 16:49	SMB	L727510
Indeno(1,2,3-cd)pyrene	**0.310**	mg/Kg - dry	0.000759	0.000811	1	01/11/24 16:49	SMB	L727510
2-Methylnaphthalene	**0.0154**	mg/Kg - dry	0.00235	0.00243	1	01/11/24 16:49	SMB	L727510
Naphthalene	**0.0226**	mg/Kg - dry	0.00176	0.00243	1	01/11/24 16:49	SMB	L727510
Phenanthrene	**0.653**	mg/Kg - dry	0.000509	0.000811	1	01/11/24 16:49	SMB	L727510
Pyrene	**0.695**	mg/Kg - dry	0.000778	0.000811	1	01/11/24 16:49	SMB	L727510
Surrogate: 2-Fluorobiphenyl	43.4	Limits: 33-115%			1	01/11/24 16:49	SMB	L727510
Surrogate: Nitrobenzene-d5	43.7	Limits: 29-110%			1	01/11/24 16:49	SMB	L727510
Surrogate: 4-Terphenyl-d14	43.1	Limits: 33-122%			1	01/11/24 16:49	SMB	L727510

Analytical Method: TN EPH **Prep Batch(es):** **L727448** 01/12/24 06:37
Prep Method: 3550B

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Batch
Diesel Range Organics (C10-C28)	**26.5**	mg/Kg - dry	3.63	4.00	1	01/12/24 23:34	MMK	L727712
Oil Range Organics (>C28-C40)	**25.4**	mg/Kg - dry	3.63	4.00	1	01/12/24 23:34	MMK	L727712
TN EPH (C10-C40)	**51.9**	mg/Kg - dry	3.63	4.00	1	01/12/24 23:34		L727712
Surrogate: OTP Surrogate	105	Limits: 50-150%			10	01/12/24 12:40	MMK	TN EPH

Qualifiers/ Definitions

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MQL	Method Quantitation Limit		

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Rebekah Ross
Project Manager

Report Number : **24-010-0197**

REPORT OF ANALYSIS

Lab No : **99314**
Sample ID : **LEGSSB42C-02**

Matrix: **Solids**
Sampled: **1/10/2024 9:25**

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Method
Moisture	**18.0**	%	0	0.050	1	01/11/24 10:57	A.B	SW-DRYWT
Arsenic	**7.32**	mg/Kg - dry	0.304	0.609	1	01/12/24 19:40	JTR	6010D
Barium	**91.7**	mg/Kg - dry	0.182	0.609	1	01/12/24 19:40	JTR	6010D
Cadmium	**0.384**	mg/Kg - dry	0.0609	0.122	1	01/12/24 19:40	JTR	6010D
Chromium	**14.3**	mg/Kg - dry	0.304	0.304	1	01/12/24 19:40	JTR	6010D
Lead	**14.0**	mg/Kg - dry	0.243	0.365	1	01/12/24 19:40	JTR	6010D
Mercury	**0.0634 J**	mg/Kg - dry	0.0244	0.202	1	01/12/24 11:26	MRE	7471A
Selenium	<0.426	mg/Kg - dry	0.426	0.609	1	01/12/24 19:40	JTR	6010D
Silver	<0.244	mg/Kg - dry	0.244	0.305	1	01/12/24 19:40	JTR	6010D

Qualifiers/ Definitions

DF	Dilution Factor	I	Recovery out of range
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Rebekah Ross
Project Manager

Report Number : **24-010-0197**

REPORT OF ANALYSIS

Lab No : **99314**
Sample ID : **LEGSSB42C-02**

Matrix: **Solids**
Sampled: **1/10/2024 9:25**

Analytical Method: 8260B **Prep Batch(es):** **L727726** 01/12/24 07:51
Prep Method: 5035

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Batch
Acetone	**0.0242 J**	mg/Kg - dry	0.0053	0.0487	1	01/12/24 14:31	ASH	L727732
Acetonitrile	<0.0636	mg/Kg - dry	0.0636	0.244	1	01/12/24 14:31	ASH	L727732
Acrolein	<0.0100	mg/Kg - dry	0.0100	0.0487	1	01/12/24 14:31	ASH	L727732
Acrylonitrile	<0.0046	mg/Kg - dry	0.0046	0.0487	1	01/12/24 14:31	ASH	L727732
Benzene	<0.0004	mg/Kg - dry	0.0004	0.0024	1	01/12/24 14:31	ASH	L727732
Bromobenzene	<0.0009	mg/Kg - dry	0.0009	0.0024	1	01/12/24 14:31	ASH	L727732
Bromochloromethane	<0.0005	mg/Kg - dry	0.0005	0.0024	1	01/12/24 14:31	ASH	L727732
Bromodichloromethane	<0.0009	mg/Kg - dry	0.0009	0.0024	1	01/12/24 14:31	ASH	L727732
Bromoform	<0.0016	mg/Kg - dry	0.0016	0.0024	1	01/12/24 14:31	ASH	L727732
Bromomethane	<0.0019	mg/Kg - dry	0.0019	0.0024	1	01/12/24 14:31	ASH	L727732
Methyl Ethyl Ketone (MEK)	<0.0046	mg/Kg - dry	0.0046	0.0487	1	01/12/24 14:31	ASH	L727732
n-Butylbenzene	<0.0011	mg/Kg - dry	0.0011	0.0024	1	01/12/24 14:31	ASH	L727732
sec-Butyl benzene	<0.0011	mg/Kg - dry	0.0011	0.0024	1	01/12/24 14:31	ASH	L727732
tert-Butyl benzene	<0.0009	mg/Kg - dry	0.0009	0.0024	1	01/12/24 14:31	ASH	L727732
Carbon Disulfide	<0.0034	mg/Kg - dry	0.0034	0.0121	1	01/12/24 14:31	ASH	L727732
Carbon Tetrachloride	<0.0005	mg/Kg - dry	0.0005	0.0024	1	01/12/24 14:31	ASH	L727732
Chlorobenzene	<0.0009	mg/Kg - dry	0.0009	0.0024	1	01/12/24 14:31	ASH	L727732
Chlorodibromomethane	<0.0012	mg/Kg - dry	0.0012	0.0024	1	01/12/24 14:31	ASH	L727732
Chloroethane	<0.0010	mg/Kg - dry	0.0010	0.0024	1	01/12/24 14:31	ASH	L727732
Chloroform	<0.0006	mg/Kg - dry	0.0006	0.0024	1	01/12/24 14:31	ASH	L727732
Chloromethane	<0.0008	mg/Kg - dry	0.0008	0.0024	1	01/12/24 14:31	ASH	L727732
2-Chlorotoluene	<0.0012	mg/Kg - dry	0.0012	0.0024	1	01/12/24 14:31	ASH	L727732

Qualifiers/ Definitions

DF	Dilution Factor	I	Recovery out of range
J	Estimated value	M	Minimum value
MQL	Method Quantitation Limit		

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Information : 198 N. Pauline-Memphis, TN
Project No. 0888836801

Report Date : 01/17/2024
Received : 01/10/2024

Rebekah Ross
Project Manager

Report Number : **24-010-0197**

REPORT OF ANALYSIS

Lab No : **99314**
Sample ID : **LEGSSB42C-02**

Matrix: **Solids**
Sampled: **1/10/2024 9:25**

Analytical Method: 8260B **Prep Batch(es):** **L727726** 01/12/24 07:51
Prep Method: 5035

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Batch
4-Chlorotoluene	<0.0013	mg/Kg - dry	0.0013	0.0024	1	01/12/24 14:31	ASH	L727732
1,2-Dibromo-3-Chloropropane	<0.0080	mg/Kg - dry	0.0080	0.0121	1	01/12/24 14:31	ASH	L727732
1,2-Dibromoethane	<0.0010	mg/Kg - dry	0.0010	0.0024	1	01/12/24 14:31	ASH	L727732
Dibromomethane	<0.0008	mg/Kg - dry	0.0008	0.0024	1	01/12/24 14:31	ASH	L727732
1,2-Dichlorobenzene	<0.0017	mg/Kg - dry	0.0017	0.0024	1	01/12/24 14:31	ASH	L727732
1,3-Dichlorobenzene	<0.0016	mg/Kg - dry	0.0016	0.0024	1	01/12/24 14:31	ASH	L727732
1,4-Dichlorobenzene	<0.0018	mg/Kg - dry	0.0018	0.0024	1	01/12/24 14:31	ASH	L727732
Dichlorodifluoromethane	<0.0023	mg/Kg - dry	0.0023	0.0024	1	01/12/24 14:31	ASH	L727732
1,1-Dichloroethane	<0.0004	mg/Kg - dry	0.0004	0.0024	1	01/12/24 14:31	ASH	L727732
1,2-Dichloroethane	<0.0005	mg/Kg - dry	0.0005	0.0024	1	01/12/24 14:31	ASH	L727732
1,1-Dichloroethene	<0.0007	mg/Kg - dry	0.0007	0.0024	1	01/12/24 14:31	ASH	L727732
cis-1,2-Dichloroethene	<0.0006	mg/Kg - dry	0.0006	0.0024	1	01/12/24 14:31	ASH	L727732
trans-1,2-Dichloroethene	<0.0003	mg/Kg - dry	0.0003	0.0024	1	01/12/24 14:31	ASH	L727732
1,2-Dichloroethene (Total)	<0.0003	mg/Kg - dry	0.0003	0.0024	1	01/12/24 14:31		L727732
1,2-Dichloropropane	<0.0007	mg/Kg - dry	0.0007	0.0024	1	01/12/24 14:31	ASH	L727732
1,3-Dichloropropane	<0.0011	mg/Kg - dry	0.0011	0.0024	1	01/12/24 14:31	ASH	L727732
2,2-Dichloropropane	<0.0007	mg/Kg - dry	0.0007	0.0024	1	01/12/24 14:31	ASH	L727732
1,1-Dichloropropene	<0.0004	mg/Kg - dry	0.0004	0.0024	1	01/12/24 14:31	ASH	L727732
cis-1,3-Dichloropropene	<0.0009	mg/Kg - dry	0.0009	0.0024	1	01/12/24 14:31	ASH	L727732
trans-1,3-Dichloropropene	<0.0009	mg/Kg - dry	0.0009	0.0024	1	01/12/24 14:31	ASH	L727732
Ethyl Acetate	<0.0073	mg/Kg - dry	0.0073	0.0487	1	01/12/24 14:31	ASH	L727732
Ethylbenzene	<0.0007	mg/Kg - dry	0.0007	0.0024	1	01/12/24 14:31	ASH	L727732

Qualifiers/ Definitions

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J	Estimated value	M	Minimum value
MQL	Method Quantitation Limit		

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Report Date : 01/17/2024
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Rebekah Ross
Project Manager

Report Number : **24-010-0197**

REPORT OF ANALYSIS

Lab No : **99314**
Sample ID : **LEGSSB42C-02**

Matrix: **Solids**
Sampled: **1/10/2024 9:25**

Analytical Method: 8260B **Prep Batch(es):** **L727726** 01/12/24 07:51
Prep Method: 5035

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Batch
Hexachlorobutadiene	<0.0011	mg/Kg - dry	0.0011	0.0024	1	01/12/24 14:31	ASH	L727732
2-Hexanone	<0.0073	mg/Kg - dry	0.0073	0.0121	1	01/12/24 14:31	ASH	L727732
Iodomethane	<0.0055	mg/Kg - dry	0.0055	0.0121	1	01/12/24 14:31	ASH	L727732
Isopropylbenzene	<0.0009	mg/Kg - dry	0.0009	0.0024	1	01/12/24 14:31	ASH	L727732
4-Isopropyl toluene	<0.0011	mg/Kg - dry	0.0011	0.0024	1	01/12/24 14:31	ASH	L727732
4-Methyl-2-Pentanone	<0.0071	mg/Kg - dry	0.0071	0.0121	1	01/12/24 14:31	ASH	L727732
Methylene Chloride	<0.0033	mg/Kg - dry	0.0033	0.0121	1	01/12/24 14:31	ASH	L727732
Methyl tert-butyl ether (MTBE)	<0.0007	mg/Kg - dry	0.0007	0.0024	1	01/12/24 14:31	ASH	L727732
m,p-Xylene	<0.0017	mg/Kg - dry	0.0017	0.0048	1	01/12/24 14:31	ASH	L727732
Naphthalene	<0.0077	mg/Kg - dry	0.0077	0.0121	1	01/12/24 14:31	ASH	L727732
o-Xylene	<0.0009	mg/Kg - dry	0.0009	0.0024	1	01/12/24 14:31	ASH	L727732
n-Propyl acetate	<0.0082	mg/Kg - dry	0.0082	0.0121	1	01/12/24 14:31	ASH	L727732
n-Propylbenzene	<0.0007	mg/Kg - dry	0.0007	0.0024	1	01/12/24 14:31	ASH	L727732
Styrene	<0.0014	mg/Kg - dry	0.0014	0.0024	1	01/12/24 14:31	ASH	L727732
1,1,1,2-Tetrachloroethane	<0.0010	mg/Kg - dry	0.0010	0.0024	1	01/12/24 14:31	ASH	L727732
1,1,2,2-Tetrachloroethane	<0.0022	mg/Kg - dry	0.0022	0.0024	1	01/12/24 14:31	ASH	L727732
Tetrachloroethene	<0.0009	mg/Kg - dry	0.0009	0.0024	1	01/12/24 14:31	ASH	L727732
Toluene	<0.0039	mg/Kg - dry	0.0039	0.0048	1	01/12/24 14:31	ASH	L727732
1,2,3-Trichlorobenzene	<0.0024	mg/Kg - dry	0.0024	0.0024	1	01/12/24 14:31	ASH	L727732
1,2,4-Trichlorobenzene	<0.0013	mg/Kg - dry	0.0013	0.0024	1	01/12/24 14:31	ASH	L727732
1,1,1-Trichloroethane	<0.0004	mg/Kg - dry	0.0004	0.0024	1	01/12/24 14:31	ASH	L727732
1,1,2-Trichloroethane	<0.0012	mg/Kg - dry	0.0012	0.0024	1	01/12/24 14:31	ASH	L727732

Qualifiers/ Definitions

DF	Dilution Factor	I	Recovery out of range
J	Estimated value	M	Minimum value
MQL	Method Quantitation Limit		

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Project Manager

Report Number : **24-010-0197**

REPORT OF ANALYSIS

Lab No : **99314**
Sample ID : **LEGSSB42C-02**

Matrix: **Solids**
Sampled: **1/10/2024 9:25**

Analytical Method: 8260B **Prep Batch(es):** **L727726** 01/12/24 07:51
Prep Method: 5035

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Batch
Trichloroethene	<0.0010	mg/Kg - dry	0.0010	0.0024	1	01/12/24 14:31	ASH	L727732
Trichlorofluoromethane	<0.0010	mg/Kg - dry	0.0010	0.0024	1	01/12/24 14:31	ASH	L727732
1,2,3-Trichloropropane	<0.0018	mg/Kg - dry	0.0018	0.0024	1	01/12/24 14:31	ASH	L727732
1,2,4-Trimethylbenzene	<0.0009	mg/Kg - dry	0.0009	0.0024	1	01/12/24 14:31	ASH	L727732
1,3,5-Trimethylbenzene	<0.0011	mg/Kg - dry	0.0011	0.0024	1	01/12/24 14:31	ASH	L727732
Vinyl Acetate	<0.0049	mg/Kg - dry	0.0049	0.0487	1	01/12/24 14:31	ASH	L727732
Vinyl Chloride	<0.0008	mg/Kg - dry	0.0008	0.0024	1	01/12/24 14:31	ASH	L727732
Xylene (Total)	<0.0009	mg/Kg - dry	0.0009	0.0024	1	01/12/24 14:31		L727732
Surrogate: 4-Bromofluorobenzene	84.8		Limits: 60-140%		1	01/12/24 14:31	ASH	L727732
Surrogate: 1,2-Dichloroethane - d4	84.0		Limits: 60-140%		1	01/12/24 14:31	ASH	L727732
Surrogate: Toluene-d8	82.2		Limits: 60-140%		1	01/12/24 14:31	ASH	L727732

Analytical Method: 8270D SIM **Prep Batch(es):** **L727270** 01/11/24 09:59
Prep Method: 3550B

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Batch
Acenaphthene	**0.00415**	mg/Kg - dry	0.000370	0.000817	1	01/11/24 17:05	SMB	L727510
Acenaphthylene	**0.000996**	mg/Kg - dry	0.000329	0.000817	1	01/11/24 17:05	SMB	L727510
Anthracene	**0.0127**	mg/Kg - dry	0.000407	0.000817	1	01/11/24 17:05	SMB	L727510
Benzo(a)anthracene	**0.0601**	mg/Kg - dry	0.000601	0.000817	1	01/11/24 17:05	SMB	L727510
Benzo(a)pyrene	**0.0684**	mg/Kg - dry	0.000570	0.000817	1	01/11/24 17:05	SMB	L727510
Benzo(b)fluoranthene	**0.0540**	mg/Kg - dry	0.000713	0.000817	1	01/11/24 17:05	SMB	L727510
Benzo(g,h,i)perylene	**0.0309**	mg/Kg - dry	0.000779	0.000817	1	01/11/24 17:05	SMB	L727510

Qualifiers/ Definitions

DF	Dilution Factor	I	Recovery out of range
J	Estimated value	M	Minimum value
MQL	Method Quantitation Limit		

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Project Legends Park

Information : 198 N. Pauline-Memphis, TN
Project No. 0888836801

Report Date : 01/17/2024
Received : 01/10/2024

Rebekah Ross
Project Manager

Report Number : **24-010-0197**

REPORT OF ANALYSIS

Lab No : **99314**
Sample ID : **LEGSSB42C-02**

Matrix: **Solids**
Sampled: **1/10/2024 9:25**

Analytical Method: 8270D SIM **Prep Batch(es):** **L727270** 01/11/24 09:59
Prep Method: 3550B

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Batch
Benzo(k)fluoranthene	**0.0232**	mg/Kg - dry	0.000532	0.000817	1	01/11/24 17:05	SMB	L727510
Chrysene	**0.0729**	mg/Kg - dry	0.000760	0.000817	1	01/11/24 17:05	SMB	L727510
Dibenz(a,h)anthracene	**0.0130**	mg/Kg - dry	0.000748	0.000817	1	01/11/24 17:05	SMB	L727510
Fluoranthene	**0.124**	mg/Kg - dry	0.000480	0.000817	1	01/11/24 17:05	SMB	L727510
Fluorene	**0.00306**	mg/Kg - dry	0.000348	0.000817	1	01/11/24 17:05	SMB	L727510
Indeno(1,2,3-cd)pyrene	**0.0380**	mg/Kg - dry	0.000764	0.000817	1	01/11/24 17:05	SMB	L727510
2-Methylnaphthalene	<0.00237	mg/Kg - dry	0.00237	0.00245	1	01/11/24 17:05	SMB	L727510
Naphthalene	<0.00177	mg/Kg - dry	0.00177	0.00245	1	01/11/24 17:05	SMB	L727510
Phenanthrene	**0.0584**	mg/Kg - dry	0.000513	0.000817	1	01/11/24 17:05	SMB	L727510
Pyrene	**0.0999**	mg/Kg - dry	0.000784	0.000817	1	01/11/24 17:05	SMB	L727510
Surrogate: 2-Fluorobiphenyl	43.5	Limits: 33-115%			1	01/11/24 17:05	SMB	L727510
Surrogate: Nitrobenzene-d5	43.5	Limits: 29-110%			1	01/11/24 17:05	SMB	L727510
Surrogate: 4-Terphenyl-d14	46.8	Limits: 33-122%			1	01/11/24 17:05	SMB	L727510

Analytical Method: TN EPH **Prep Batch(es):** **L727448** 01/12/24 06:37
Prep Method: 3550B

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Batch
Diesel Range Organics (C10-C28)	**8.40**	mg/Kg - dry	3.66	4.02	1	01/12/24 23:57	MMK	L727712
Oil Range Organics (>C28-C40)	**17.3**	mg/Kg - dry	3.66	4.02	1	01/12/24 23:57	MMK	L727712
TN EPH (C10-C40)	**25.7**	mg/Kg - dry	3.66	4.02	1	01/12/24 23:57		L727712
Surrogate: OTP Surrogate	109	Limits: 50-150%			10	01/12/24 13:26	MMK	TN EPH

Qualifiers/ Definitions

DF	Dilution Factor
J	Estimated value
MQL	Method Quantitation Limit
I	Recovery out of range
M	Minimum value

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Information : 198 N. Pauline-Memphis, TN
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Report Date : 01/17/2024
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Rebekah Ross
Project Manager

Report Number : **24-010-0197**

REPORT OF ANALYSIS

Lab No : **99315**
Sample ID : **LEGSSB42C-03**

Matrix: **Solids**
Sampled: **1/10/2024 9:50**

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Method
Moisture	**19.0**	%	0	0.050	1	01/11/24 10:57	A.B	SW-DRYWT
Arsenic	**8.35**	mg/Kg - dry	0.308	0.617	1	01/12/24 19:46	JTR	6010D
Barium	**111**	mg/Kg - dry	0.185	0.617	1	01/12/24 19:46	JTR	6010D
Cadmium	**0.535**	mg/Kg - dry	0.0617	0.123	1	01/12/24 19:46	JTR	6010D
Chromium	**13.5**	mg/Kg - dry	0.308	0.308	1	01/12/24 19:46	JTR	6010D
Lead	**60.1**	mg/Kg - dry	0.246	0.370	1	01/12/24 19:46	JTR	6010D
Mercury	**0.164 J**	mg/Kg - dry	0.0252	0.209	1	01/12/24 11:27	MRE	7471A
Selenium	<0.432	mg/Kg - dry	0.432	0.617	1	01/12/24 19:46	JTR	6010D
Silver	<0.247	mg/Kg - dry	0.247	0.309	1	01/12/24 19:46	JTR	6010D

Qualifiers/ Definitions

DF	Dilution Factor	I	Recovery out of range
J	Estimated value	M	Minimum value
MQL	Method Quantitation Limit		

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Report Date : 01/17/2024
Received : 01/10/2024

Rebekah Ross
Project Manager

Report Number : **24-010-0197**

REPORT OF ANALYSIS

Lab No : **99315**
Sample ID : **LEGSSB42C-03**

Matrix: **Solids**
Sampled: **1/10/2024 9:50**

Analytical Method: 8260B **Prep Batch(es):** **L727773** 01/15/24 09:04
Prep Method: 5035

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Batch
Acetone	**0.126**	mg/Kg - dry	0.0053	0.0493	1	01/15/24 12:53	ASH	L727826
Acetonitrile	<0.0644	mg/Kg - dry	0.0644	0.247	1	01/15/24 12:53	ASH	L727826
Acrolein	<0.0101	mg/Kg - dry	0.0101	0.0493	1	01/15/24 12:53	ASH	L727826
Acrylonitrile	<0.0046	mg/Kg - dry	0.0046	0.0493	1	01/15/24 12:53	ASH	L727826
Benzene	<0.0004	mg/Kg - dry	0.0004	0.0024	1	01/15/24 12:53	ASH	L727826
Bromobenzene	<0.0009	mg/Kg - dry	0.0009	0.0024	1	01/15/24 12:53	ASH	L727826
Bromochloromethane	<0.0005	mg/Kg - dry	0.0005	0.0024	1	01/15/24 12:53	ASH	L727826
Bromodichloromethane	<0.0009	mg/Kg - dry	0.0009	0.0024	1	01/15/24 12:53	ASH	L727826
Bromoform	<0.0016	mg/Kg - dry	0.0016	0.0024	1	01/15/24 12:53	ASH	L727826
Bromomethane	<0.0019	mg/Kg - dry	0.0019	0.0024	1	01/15/24 12:53	ASH	L727826
Methyl Ethyl Ketone (MEK)	**0.0139 J**	mg/Kg - dry	0.0047	0.0493	1	01/15/24 12:53	ASH	L727826
n-Butylbenzene	<0.0011	mg/Kg - dry	0.0011	0.0024	1	01/15/24 12:53	ASH	L727826
sec-Butyl benzene	<0.0011	mg/Kg - dry	0.0011	0.0024	1	01/15/24 12:53	ASH	L727826
tert-Butyl benzene	<0.0009	mg/Kg - dry	0.0009	0.0024	1	01/15/24 12:53	ASH	L727826
Carbon Disulfide	<0.0035	mg/Kg - dry	0.0035	0.0123	1	01/15/24 12:53	ASH	L727826
Carbon Tetrachloride	<0.0005	mg/Kg - dry	0.0005	0.0024	1	01/15/24 12:53	ASH	L727826
Chlorobenzene	<0.0009	mg/Kg - dry	0.0009	0.0024	1	01/15/24 12:53	ASH	L727826
Chlorodibromomethane	<0.0012	mg/Kg - dry	0.0012	0.0024	1	01/15/24 12:53	ASH	L727826
Chloroethane	<0.0010	mg/Kg - dry	0.0010	0.0024	1	01/15/24 12:53	ASH	L727826
Chloroform	<0.0006	mg/Kg - dry	0.0006	0.0024	1	01/15/24 12:53	ASH	L727826
Chloromethane	<0.0008	mg/Kg - dry	0.0008	0.0024	1	01/15/24 12:53	ASH	L727826
2-Chlorotoluene	<0.0012	mg/Kg - dry	0.0012	0.0024	1	01/15/24 12:53	ASH	L727826

Qualifiers/ Definitions

DF	Dilution Factor	I	Recovery out of range
J	Estimated value	M	Minimum value
MQL	Method Quantitation Limit		

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Project Legends Park
Information : 198 N. Pauline-Memphis, TN
Project No. 0888836801

Report Date : 01/17/2024
Received : 01/10/2024

Rebekah Ross
Project Manager

Report Number : **24-010-0197**

REPORT OF ANALYSIS

Lab No : **99315**
Sample ID : **LEGSSB42C-03**

Matrix: **Solids**
Sampled: **1/10/2024 9:50**

Analytical Method: 8260B **Prep Batch(es):** **L727773** 01/15/24 09:04
Prep Method: 5035

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Batch
4-Chlorotoluene	<0.0013	mg/Kg - dry	0.0013	0.0024	1	01/15/24 12:53	ASH	L727826
1,2-Dibromo-3-Chloropropane	<0.0081	mg/Kg - dry	0.0081	0.0123	1	01/15/24 12:53	ASH	L727826
1,2-Dibromoethane	<0.0011	mg/Kg - dry	0.0011	0.0024	1	01/15/24 12:53	ASH	L727826
Dibromomethane	<0.0008	mg/Kg - dry	0.0008	0.0024	1	01/15/24 12:53	ASH	L727826
1,2-Dichlorobenzene	<0.0017	mg/Kg - dry	0.0017	0.0024	1	01/15/24 12:53	ASH	L727826
1,3-Dichlorobenzene	<0.0016	mg/Kg - dry	0.0016	0.0024	1	01/15/24 12:53	ASH	L727826
1,4-Dichlorobenzene	<0.0018	mg/Kg - dry	0.0018	0.0024	1	01/15/24 12:53	ASH	L727826
Dichlorodifluoromethane	<0.0023	mg/Kg - dry	0.0023	0.0024	1	01/15/24 12:53	ASH	L727826
1,1-Dichloroethane	<0.0004	mg/Kg - dry	0.0004	0.0024	1	01/15/24 12:53	ASH	L727826
1,2-Dichloroethane	<0.0005	mg/Kg - dry	0.0005	0.0024	1	01/15/24 12:53	ASH	L727826
1,1-Dichloroethene	<0.0007	mg/Kg - dry	0.0007	0.0024	1	01/15/24 12:53	ASH	L727826
cis-1,2-Dichloroethene	<0.0006	mg/Kg - dry	0.0006	0.0024	1	01/15/24 12:53	ASH	L727826
trans-1,2-Dichloroethene	<0.0003	mg/Kg - dry	0.0003	0.0024	1	01/15/24 12:53	ASH	L727826
1,2-Dichloroethene (Total)	<0.0003	mg/Kg - dry	0.0003	0.0024	1	01/15/24 12:53		L727826
1,2-Dichloropropane	<0.0008	mg/Kg - dry	0.0008	0.0024	1	01/15/24 12:53	ASH	L727826
1,3-Dichloropropane	<0.0011	mg/Kg - dry	0.0011	0.0024	1	01/15/24 12:53	ASH	L727826
2,2-Dichloropropane	<0.0007	mg/Kg - dry	0.0007	0.0024	1	01/15/24 12:53	ASH	L727826
1,1-Dichloropropene	<0.0004	mg/Kg - dry	0.0004	0.0024	1	01/15/24 12:53	ASH	L727826
cis-1,3-Dichloropropene	<0.0009	mg/Kg - dry	0.0009	0.0024	1	01/15/24 12:53	ASH	L727826
trans-1,3-Dichloropropene	<0.0009	mg/Kg - dry	0.0009	0.0024	1	01/15/24 12:53	ASH	L727826
Ethyl Acetate	<0.0074	mg/Kg - dry	0.0074	0.0493	1	01/15/24 12:53	ASH	L727826
Ethylbenzene	<0.0007	mg/Kg - dry	0.0007	0.0024	1	01/15/24 12:53	ASH	L727826

Qualifiers/ Definitions

DF	Dilution Factor	I	Recovery out of range
J	Estimated value	M	Minimum value
MQL	Method Quantitation Limit		

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Information : 198 N. Pauline-Memphis, TN
Project No. 0888836801

Report Date : 01/17/2024
Received : 01/10/2024

Rebekah Ross
Project Manager

Report Number : **24-010-0197**

REPORT OF ANALYSIS

Lab No : **99315**
Sample ID : **LEGSSB42C-03**

Matrix: **Solids**
Sampled: **1/10/2024 9:50**

Analytical Method: 8260B **Prep Batch(es):** **L727773** 01/15/24 09:04
Prep Method: 5035

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Batch
Hexachlorobutadiene	<0.0011	mg/Kg - dry	0.0011	0.0024	1	01/15/24 12:53	ASH	L727826
2-Hexanone	<0.0074	mg/Kg - dry	0.0074	0.0123	1	01/15/24 12:53	ASH	L727826
Iodomethane	<0.0056	mg/Kg - dry	0.0056	0.0123	1	01/15/24 12:53	ASH	L727826
Isopropylbenzene	<0.0009	mg/Kg - dry	0.0009	0.0024	1	01/15/24 12:53	ASH	L727826
4-Isopropyl toluene	<0.0012	mg/Kg - dry	0.0012	0.0024	1	01/15/24 12:53	ASH	L727826
4-Methyl-2-Pentanone	<0.0072	mg/Kg - dry	0.0072	0.0123	1	01/15/24 12:53	ASH	L727826
Methylene Chloride	<0.0034	mg/Kg - dry	0.0034	0.0123	1	01/15/24 12:53	ASH	L727826
Methyl tert-butyl ether (MTBE)	<0.0007	mg/Kg - dry	0.0007	0.0024	1	01/15/24 12:53	ASH	L727826
m,p-Xylene	<0.0017	mg/Kg - dry	0.0017	0.0049	1	01/15/24 12:53	ASH	L727826
Naphthalene	<0.0078	mg/Kg - dry	0.0078	0.0123	1	01/15/24 12:53	ASH	L727826
o-Xylene	<0.0009	mg/Kg - dry	0.0009	0.0024	1	01/15/24 12:53	ASH	L727826
n-Propyl acetate	<0.0083	mg/Kg - dry	0.0083	0.0123	1	01/15/24 12:53	ASH	L727826
n-Propylbenzene	<0.0007	mg/Kg - dry	0.0007	0.0024	1	01/15/24 12:53	ASH	L727826
Styrene	<0.0014	mg/Kg - dry	0.0014	0.0024	1	01/15/24 12:53	ASH	L727826
1,1,1,2-Tetrachloroethane	<0.0010	mg/Kg - dry	0.0010	0.0024	1	01/15/24 12:53	ASH	L727826
1,1,2,2-Tetrachloroethane	<0.0023	mg/Kg - dry	0.0023	0.0024	1	01/15/24 12:53	ASH	L727826
Tetrachloroethene	<0.0009	mg/Kg - dry	0.0009	0.0024	1	01/15/24 12:53	ASH	L727826
Toluene	<0.0040	mg/Kg - dry	0.0040	0.0049	1	01/15/24 12:53	ASH	L727826
1,2,3-Trichlorobenzene	<0.0024	mg/Kg - dry	0.0024	0.0024	1	01/15/24 12:53	ASH	L727826
1,2,4-Trichlorobenzene	<0.0013	mg/Kg - dry	0.0013	0.0024	1	01/15/24 12:53	ASH	L727826
1,1,1-Trichloroethane	<0.0004	mg/Kg - dry	0.0004	0.0024	1	01/15/24 12:53	ASH	L727826
1,1,2-Trichloroethane	<0.0012	mg/Kg - dry	0.0012	0.0024	1	01/15/24 12:53	ASH	L727826

Qualifiers/ Definitions

DF	Dilution Factor	I	Recovery out of range
J	Estimated value	M	Minimum value
MQL	Method Quantitation Limit		

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Report Date : 01/17/2024
Received : 01/10/2024

Rebekah Ross
Project Manager

Report Number : **24-010-0197**

REPORT OF ANALYSIS

Lab No : **99315**
Sample ID : **LEGSSB42C-03**

Matrix: **Solids**
Sampled: **1/10/2024 9:50**

Analytical Method: 8260B **Prep Batch(es):** **L727773** 01/15/24 09:04
Prep Method: 5035

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Batch
Trichloroethene	<0.0011	mg/Kg - dry	0.0011	0.0024	1	01/15/24 12:53	ASH	L727826
Trichlorofluoromethane	<0.0010	mg/Kg - dry	0.0010	0.0024	1	01/15/24 12:53	ASH	L727826
1,2,3-Trichloropropane	<0.0018	mg/Kg - dry	0.0018	0.0024	1	01/15/24 12:53	ASH	L727826
1,2,4-Trimethylbenzene	<0.0010	mg/Kg - dry	0.0010	0.0024	1	01/15/24 12:53	ASH	L727826
1,3,5-Trimethylbenzene	<0.0011	mg/Kg - dry	0.0011	0.0024	1	01/15/24 12:53	ASH	L727826
Vinyl Acetate	<0.0049	mg/Kg - dry	0.0049	0.0493	1	01/15/24 12:53	ASH	L727826
Vinyl Chloride	<0.0009	mg/Kg - dry	0.0009	0.0024	1	01/15/24 12:53	ASH	L727826
Xylene (Total)	<0.0009	mg/Kg - dry	0.0009	0.0024	1	01/15/24 12:53		L727826
Surrogate: 4-Bromofluorobenzene	83.7		Limits: 60-140%		1	01/15/24 12:53	ASH	L727826
Surrogate: 1,2-Dichloroethane - d4	85.5		Limits: 60-140%		1	01/15/24 12:53	ASH	L727826
Surrogate: Toluene-d8	81.2		Limits: 60-140%		1	01/15/24 12:53	ASH	L727826

Analytical Method: 8270D SIM **Prep Batch(es):** **L727270** 01/11/24 09:59
Prep Method: 3550B

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Batch
Acenaphthene	**0.162**	mg/Kg - dry	0.00188	0.00414	5	01/12/24 17:14	SMB	L727510
Acenaphthylene	**0.0154**	mg/Kg - dry	0.00167	0.00414	5	01/12/24 17:14	SMB	L727510
Anthracene	**0.465**	mg/Kg - dry	0.00206	0.00414	5	01/12/24 17:14	SMB	L727510
Benzo(a)anthracene	**1.30**	mg/Kg - dry	0.00305	0.00414	5	01/12/24 17:14	SMB	L727510
Benzo(a)pyrene	**1.25**	mg/Kg - dry	0.00289	0.00414	5	01/12/24 17:14	SMB	L727510
Benzo(b)fluoranthene	**1.31**	mg/Kg - dry	0.00362	0.00414	5	01/12/24 17:14	SMB	L727510
Benzo(g,h,i)perylene	**0.504**	mg/Kg - dry	0.00395	0.00414	5	01/12/24 17:14	SMB	L727510

Qualifiers/ Definitions

DF	Dilution Factor	I	Recovery out of range
J	Estimated value	M	Minimum value
MQL	Method Quantitation Limit		

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Project Legends Park

Information : 198 N. Pauline-Memphis, TN
Project No. 0888836801

Report Date : 01/17/2024
Received : 01/10/2024

Rebekah Ross
Project Manager

Report Number : **24-010-0197**

REPORT OF ANALYSIS

Lab No : **99315**
Sample ID : **LEGSSB42C-03**

Matrix: **Solids**
Sampled: **1/10/2024 9:50**

Analytical Method: 8270D SIM **Prep Batch(es):** **L727270** 01/11/24 09:59
Prep Method: 3550B

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Batch
Benzo(k)fluoranthene	**0.535**	mg/Kg - dry	0.00270	0.00414	5	01/12/24 17:14	SMB	L727510
Chrysene	**1.41**	mg/Kg - dry	0.00385	0.00414	5	01/12/24 17:14	SMB	L727510
Dibenz(a,h)anthracene	**0.195**	mg/Kg - dry	0.00379	0.00414	5	01/12/24 17:14	SMB	L727510
Fluoranthene	**2.48**	mg/Kg - dry	0.00243	0.00414	5	01/12/24 17:14	SMB	L727510
Fluorene	**0.158**	mg/Kg - dry	0.00177	0.00414	5	01/12/24 17:14	SMB	L727510
Indeno(1,2,3-cd)pyrene	**0.633**	mg/Kg - dry	0.00388	0.00414	5	01/12/24 17:14	SMB	L727510
2-Methylnaphthalene	**0.0226**	mg/Kg - dry	0.0120	0.0125	5	01/12/24 17:14	SMB	L727510
Naphthalene	**0.0289**	mg/Kg - dry	0.00901	0.0125	5	01/12/24 17:14	SMB	L727510
Phenanthrene	**1.79**	mg/Kg - dry	0.00260	0.00414	5	01/12/24 17:14	SMB	L727510
Pyrene	**1.85**	mg/Kg - dry	0.00398	0.00414	5	01/12/24 17:14	SMB	L727510
Surrogate: 2-Fluorobiphenyl	41.3		Limits: 33-115%		5	01/12/24 17:14	SMB	L727510
Surrogate: Nitrobenzene-d5	37.7		Limits: 29-110%		5	01/12/24 17:14	SMB	L727510
Surrogate: 4-Terphenyl-d14	43.5		Limits: 33-122%		5	01/12/24 17:14	SMB	L727510

Analytical Method: TN EPH **Prep Batch(es):** **L727448** 01/12/24 06:37
Prep Method: 3550B

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Batch
Diesel Range Organics (C10-C28)	**29.8**	mg/Kg - dry	3.70	4.07	1	01/13/24 01:07	MMK	L727712
Oil Range Organics (>C28-C40)	**32.5**	mg/Kg - dry	3.70	4.07	1	01/13/24 01:07	MMK	L727712
TN EPH (C10-C40)	**62.2**	mg/Kg - dry	3.70	4.07	1	01/13/24 01:07		L727712
Surrogate: OTP Surrogate	110		Limits: 50-150%		10	01/12/24 13:50	MMK	TN EPH

Qualifiers/ Definitions

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MQL	Method Quantitation Limit		

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Report Date : 01/17/2024
Received : 01/10/2024

Rebekah Ross
Project Manager

Report Number : **24-010-0197**

REPORT OF ANALYSIS

Lab No : **99316**
Sample ID : **LEGSSB42C-04**

Matrix: **Solids**
Sampled: **1/10/2024 9:50**

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Method
Moisture	**22.2**	%	0	0.050	1	01/11/24 10:57	A.B	SW-DRYWT
Arsenic	**8.37**	mg/Kg - dry	0.321	0.642	1	01/12/24 19:52	JTR	6010D
Barium	**107**	mg/Kg - dry	0.192	0.642	1	01/12/24 19:52	JTR	6010D
Cadmium	**0.440**	mg/Kg - dry	0.0642	0.129	1	01/12/24 19:52	JTR	6010D
Chromium	**14.7**	mg/Kg - dry	0.321	0.321	1	01/12/24 19:52	JTR	6010D
Lead	**27.9**	mg/Kg - dry	0.257	0.385	1	01/12/24 19:52	JTR	6010D
Mercury	**0.176 J**	mg/Kg - dry	0.0280	0.233	1	01/12/24 11:29	MRE	7471A
Selenium	<0.449	mg/Kg - dry	0.449	0.642	1	01/12/24 19:52	JTR	6010D
Silver	<0.257	mg/Kg - dry	0.257	0.321	1	01/12/24 19:52	JTR	6010D

Qualifiers/ Definitions

DF	Dilution Factor	I	Recovery out of range
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MQL	Method Quantitation Limit		

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Report Date : 01/17/2024
Received : 01/10/2024

Rebekah Ross
Project Manager

Report Number : **24-010-0197**

REPORT OF ANALYSIS

Lab No : **99316**
Sample ID : **LEGSSB42C-04**

Matrix: **Solids**
Sampled: **1/10/2024 9:50**

Analytical Method: 8260B **Prep Batch(es):** **L727773** 01/15/24 09:04 **L727933** 01/16/24 08:42
Prep Method: 5035

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Batch
Acetone	**0.0440 J**	mg/Kg - dry	0.0055	0.0514	1	01/15/24 13:36	ASH	L727826
Acetonitrile	<0.0670	mg/Kg - dry	0.0670	0.257	1	01/15/24 13:36	ASH	L727826
Acrolein	<0.0106	mg/Kg - dry	0.0106	0.0514	1	01/15/24 13:36	ASH	L727826
Acrylonitrile	<0.0048	mg/Kg - dry	0.0048	0.0514	1	01/15/24 13:36	ASH	L727826
Benzene	**0.0013 J**	mg/Kg - dry	0.0005	0.0025	1	01/15/24 13:36	ASH	L727826
Bromobenzene	<0.0009	mg/Kg - dry	0.0009	0.0025	1	01/15/24 13:36	ASH	L727826
Bromochloromethane	<0.0005	mg/Kg - dry	0.0005	0.0025	1	01/15/24 13:36	ASH	L727826
Bromodichloromethane	<0.0010	mg/Kg - dry	0.0010	0.0025	1	01/15/24 13:36	ASH	L727826
Bromoform	<0.0016	mg/Kg - dry	0.0016	0.0025	1	01/15/24 13:36	ASH	L727826
Bromomethane	<0.0020	mg/Kg - dry	0.0020	0.0025	1	01/15/24 13:36	ASH	L727826
Methyl Ethyl Ketone (MEK)	<0.0049	mg/Kg - dry	0.0049	0.0514	1	01/15/24 13:36	ASH	L727826
n-Butylbenzene	<0.0012	mg/Kg - dry	0.0012	0.0025	1	01/15/24 13:36	ASH	L727826
sec-Butyl benzene	<0.0012	mg/Kg - dry	0.0012	0.0025	1	01/15/24 13:36	ASH	L727826
tert-Butyl benzene	<0.0009	mg/Kg - dry	0.0009	0.0025	1	01/15/24 13:36	ASH	L727826
Carbon Disulfide	**0.0072 J**	mg/Kg - dry	0.0036	0.0128	1	01/15/24 13:36	ASH	L727826
Carbon Tetrachloride	<0.0005	mg/Kg - dry	0.0005	0.0025	1	01/15/24 13:36	ASH	L727826
Chlorobenzene	<0.0010	mg/Kg - dry	0.0010	0.0025	1	01/15/24 13:36	ASH	L727826
Chlorodibromomethane	<0.0013	mg/Kg - dry	0.0013	0.0025	1	01/15/24 13:36	ASH	L727826
Chloroethane	<0.0010	mg/Kg - dry	0.0010	0.0025	1	01/15/24 13:36	ASH	L727826
Chloroform	<0.0006	mg/Kg - dry	0.0006	0.0025	1	01/15/24 13:36	ASH	L727826
Chloromethane	<0.0009	mg/Kg - dry	0.0009	0.0025	1	01/15/24 13:36	ASH	L727826
2-Chlorotoluene	<0.0012	mg/Kg - dry	0.0012	0.0025	1	01/15/24 13:36	ASH	L727826

Qualifiers/ Definitions

DF	Dilution Factor	I	Recovery out of range
J	Estimated value	M	Minimum value
MQL	Method Quantitation Limit		

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Project Legends Park
Information : 198 N. Pauline-Memphis, TN
Project No. 0888836801

Report Date : 01/17/2024
Received : 01/10/2024

Rebekah Ross
Project Manager

Report Number : **24-010-0197**

REPORT OF ANALYSIS

Lab No : **99316**
Sample ID : **LEGSSB42C-04**

Matrix: **Solids**
Sampled: **1/10/2024 9:50**

Analytical Method: 8260B **Prep Batch(es):** **L727773** 01/15/24 09:04 **L727933** 01/16/24 08:42
Prep Method: 5035

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Batch
4-Chlorotoluene	<0.0013	mg/Kg - dry	0.0013	0.0025	1	01/15/24 13:36	ASH	L727826
1,2-Dibromo-3-Chloropropane	<0.0084	mg/Kg - dry	0.0084	0.0128	1	01/15/24 13:36	ASH	L727826
1,2-Dibromoethane	<0.0011	mg/Kg - dry	0.0011	0.0025	1	01/15/24 13:36	ASH	L727826
Dibromomethane	<0.0008	mg/Kg - dry	0.0008	0.0025	1	01/15/24 13:36	ASH	L727826
1,2-Dichlorobenzene	<0.0017	mg/Kg - dry	0.0017	0.0025	1	01/15/24 13:36	ASH	L727826
1,3-Dichlorobenzene	<0.0017	mg/Kg - dry	0.0017	0.0025	1	01/15/24 13:36	ASH	L727826
1,4-Dichlorobenzene	<0.0019	mg/Kg - dry	0.0019	0.0025	1	01/15/24 13:36	ASH	L727826
Dichlorodifluoromethane	<0.0024	mg/Kg - dry	0.0024	0.0025	1	01/15/24 13:36	ASH	L727826
1,1-Dichloroethane	<0.0004	mg/Kg - dry	0.0004	0.0025	1	01/15/24 13:36	ASH	L727826
1,2-Dichloroethane	<0.0005	mg/Kg - dry	0.0005	0.0025	1	01/15/24 13:36	ASH	L727826
1,1-Dichloroethene	<0.0007	mg/Kg - dry	0.0007	0.0025	1	01/15/24 13:36	ASH	L727826
cis-1,2-Dichloroethene	<0.0006	mg/Kg - dry	0.0006	0.0025	1	01/16/24 13:22	ASH	L727950
trans-1,2-Dichloroethene	<0.0003	mg/Kg - dry	0.0003	0.0025	1	01/15/24 13:36	ASH	L727826
1,2-Dichloroethene (Total)	<0.0003	mg/Kg - dry	0.0003	0.0025	1	01/15/24 13:36		L727950
1,2-Dichloropropane	<0.0008	mg/Kg - dry	0.0008	0.0025	1	01/15/24 13:36	ASH	L727826
1,3-Dichloropropane	<0.0011	mg/Kg - dry	0.0011	0.0025	1	01/15/24 13:36	ASH	L727826
2,2-Dichloropropane	<0.0007	mg/Kg - dry	0.0007	0.0025	1	01/15/24 13:36	ASH	L727826
1,1-Dichloropropene	<0.0004	mg/Kg - dry	0.0004	0.0025	1	01/15/24 13:36	ASH	L727826
cis-1,3-Dichloropropene	<0.0010	mg/Kg - dry	0.0010	0.0025	1	01/15/24 13:36	ASH	L727826
trans-1,3-Dichloropropene	<0.0009	mg/Kg - dry	0.0009	0.0025	1	01/15/24 13:36	ASH	L727826
Ethyl Acetate	<0.0077	mg/Kg - dry	0.0077	0.0514	1	01/15/24 13:36	ASH	L727826
Ethylbenzene	**0.0008 J**	mg/Kg - dry	0.0008	0.0025	1	01/15/24 13:36	ASH	L727826

Qualifiers/ Definitions

DF	Dilution Factor	I	Recovery out of range
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Project No. 0888836801

Report Date : 01/17/2024
Received : 01/10/2024

Rebekah Ross
Project Manager

Report Number : **24-010-0197**

REPORT OF ANALYSIS

Lab No : **99316**
Sample ID : **LEGSSB42C-04**

Matrix: **Solids**
Sampled: **1/10/2024 9:50**

Analytical Method: 8260B **Prep Batch(es):** **L727773** 01/15/24 09:04 **L727933** 01/16/24 08:42
Prep Method: 5035

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Batch
Hexachlorobutadiene	<0.0011	mg/Kg - dry	0.0011	0.0025	1	01/15/24 13:36	ASH	L727826
2-Hexanone	<0.0077	mg/Kg - dry	0.0077	0.0128	1	01/15/24 13:36	ASH	L727826
Iodomethane	<0.0058	mg/Kg - dry	0.0058	0.0128	1	01/15/24 13:36	ASH	L727826
Isopropylbenzene	<0.0009	mg/Kg - dry	0.0009	0.0025	1	01/15/24 13:36	ASH	L727826
4-Isopropyl toluene	<0.0012	mg/Kg - dry	0.0012	0.0025	1	01/15/24 13:36	ASH	L727826
4-Methyl-2-Pentanone	<0.0075	mg/Kg - dry	0.0075	0.0128	1	01/15/24 13:36	ASH	L727826
Methylene Chloride	<0.0035	mg/Kg - dry	0.0035	0.0128	1	01/15/24 13:36	ASH	L727826
Methyl tert-butyl ether (MTBE)	<0.0007	mg/Kg - dry	0.0007	0.0025	1	01/15/24 13:36	ASH	L727826
m,p-Xylene	<0.0018	mg/Kg - dry	0.0018	0.0051	1	01/15/24 13:36	ASH	L727826
Naphthalene	<0.0081	mg/Kg - dry	0.0081	0.0128	1	01/15/24 13:36	ASH	L727826
o-Xylene	<0.0010	mg/Kg - dry	0.0010	0.0025	1	01/15/24 13:36	ASH	L727826
n-Propyl acetate	<0.0087	mg/Kg - dry	0.0087	0.0128	1	01/15/24 13:36	ASH	L727826
n-Propylbenzene	<0.0008	mg/Kg - dry	0.0008	0.0025	1	01/15/24 13:36	ASH	L727826
Styrene	<0.0014	mg/Kg - dry	0.0014	0.0025	1	01/15/24 13:36	ASH	L727826
1,1,1,2-Tetrachloroethane	<0.0011	mg/Kg - dry	0.0011	0.0025	1	01/15/24 13:36	ASH	L727826
1,1,2,2-Tetrachloroethane	<0.0024	mg/Kg - dry	0.0024	0.0025	1	01/15/24 13:36	ASH	L727826
Tetrachloroethene	<0.0010	mg/Kg - dry	0.0010	0.0025	1	01/15/24 13:36	ASH	L727826
Toluene	<0.0041	mg/Kg - dry	0.0041	0.0051	1	01/15/24 13:36	ASH	L727826
1,2,3-Trichlorobenzene	<0.0025	mg/Kg - dry	0.0025	0.0025	1	01/15/24 13:36	ASH	L727826
1,2,4-Trichlorobenzene	<0.0014	mg/Kg - dry	0.0014	0.0025	1	01/15/24 13:36	ASH	L727826
1,1,1-Trichloroethane	<0.0005	mg/Kg - dry	0.0005	0.0025	1	01/15/24 13:36	ASH	L727826
1,1,2-Trichloroethane	<0.0013	mg/Kg - dry	0.0013	0.0025	1	01/15/24 13:36	ASH	L727826

Qualifiers/ Definitions

DF	Dilution Factor	I	Recovery out of range
J	Estimated value	M	Minimum value
MQL	Method Quantitation Limit		

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Report Date : 01/17/2024
Received : 01/10/2024

Rebekah Ross
Project Manager

Report Number : **24-010-0197**

REPORT OF ANALYSIS

Lab No : **99316**
Sample ID : **LEGSSB42C-04**

Matrix: **Solids**
Sampled: **1/10/2024 9:50**

Analytical Method: 8260B **Prep Batch(es):** **L727773** 01/15/24 09:04 **L727933** 01/16/24 08:42
Prep Method: 5035

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Batch
Trichloroethene	<0.0011	mg/Kg - dry	0.0011	0.0025	1	01/15/24 13:36	ASH	L727826
Trichlorofluoromethane	<0.0011	mg/Kg - dry	0.0011	0.0025	1	01/15/24 13:36	ASH	L727826
1,2,3-Trichloropropane	<0.0019	mg/Kg - dry	0.0019	0.0025	1	01/15/24 13:36	ASH	L727826
1,2,4-Trimethylbenzene	<0.0010	mg/Kg - dry	0.0010	0.0025	1	01/15/24 13:36	ASH	L727826
1,3,5-Trimethylbenzene	<0.0011	mg/Kg - dry	0.0011	0.0025	1	01/15/24 13:36	ASH	L727826
Vinyl Acetate	<0.0051	mg/Kg - dry	0.0051	0.0514	1	01/15/24 13:36	ASH	L727826
Vinyl Chloride	<0.0009	mg/Kg - dry	0.0009	0.0025	1	01/15/24 13:36	ASH	L727826
Xylene (Total)	<0.0010	mg/Kg - dry	0.0010	0.0025	1	01/15/24 13:36		L727826
Surrogate: 4-Bromofluorobenzene	84.1		Limits: 60-140%		1	01/15/24 13:36	ASH	L727826
Surrogate: 1,2-Dichloroethane - d4	87.6		Limits: 60-140%		1	01/15/24 13:36	ASH	L727826
Surrogate: Toluene-d8	81.3		Limits: 60-140%		1	01/15/24 13:36	ASH	L727826
Surrogate: 4-Bromofluorobenzene	84.3		Limits: 60-140%		1	01/16/24 13:22	ASH	L727950
Surrogate: 1,2-Dichloroethane - d4	81.1		Limits: 60-140%		1	01/16/24 13:22	ASH	L727950
Surrogate: Toluene-d8	83.0		Limits: 60-140%		1	01/16/24 13:22	ASH	L727950

Analytical Method: 8270D SIM **Prep Batch(es):** **L727270** 01/11/24 09:59
Prep Method: 3550B

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Batch
Acenaphthene	**0.00325**	mg/Kg - dry	0.000390	0.000861	1	01/11/24 17:37	SMB	L727510
Acenaphthylene	**0.00405**	mg/Kg - dry	0.000347	0.000861	1	01/11/24 17:37	SMB	L727510
Anthracene	**0.0124**	mg/Kg - dry	0.000429	0.000861	1	01/11/24 17:37	SMB	L727510
Benzo(a)anthracene	**0.0812**	mg/Kg - dry	0.000633	0.000861	1	01/11/24 17:37	SMB	L727510

Qualifiers/ Definitions

DF	Dilution Factor	I	Recovery out of range
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MQL	Method Quantitation Limit		

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Rebekah Ross
Project Manager

Report Number : **24-010-0197**

REPORT OF ANALYSIS

Lab No : **99316**
Sample ID : **LEGSSB42C-04**

Matrix: **Solids**
Sampled: **1/10/2024 9:50**

Analytical Method: 8270D SIM **Prep Batch(es):** **L727270** 01/11/24 09:59
Prep Method: 3550B

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Batch
Benzo(a)pyrene	**0.101**	mg/Kg - dry	0.000601	0.000861	1	01/11/24 17:37	SMB	L727510
Benzo(b)fluoranthene	**0.0911**	mg/Kg - dry	0.000751	0.000861	1	01/11/24 17:37	SMB	L727510
Benzo(g,h,i)perylene	**0.0553**	mg/Kg - dry	0.000821	0.000861	1	01/11/24 17:37	SMB	L727510
Benzo(k)fluoranthene	**0.0334**	mg/Kg - dry	0.000561	0.000861	1	01/11/24 17:37	SMB	L727510
Chrysene	**0.0943**	mg/Kg - dry	0.000802	0.000861	1	01/11/24 17:37	SMB	L727510
Dibenz(a,h)anthracene	**0.0204**	mg/Kg - dry	0.000789	0.000861	1	01/11/24 17:37	SMB	L727510
Fluoranthene	**0.162**	mg/Kg - dry	0.000506	0.000861	1	01/11/24 17:37	SMB	L727510
Fluorene	**0.00265**	mg/Kg - dry	0.000367	0.000861	1	01/11/24 17:37	SMB	L727510
Indeno(1,2,3-cd)pyrene	**0.0648**	mg/Kg - dry	0.000805	0.000861	1	01/11/24 17:37	SMB	L727510
2-Methylnaphthalene	<0.00249	mg/Kg - dry	0.00249	0.00258	1	01/11/24 17:37	SMB	L727510
Naphthalene	<0.00186	mg/Kg - dry	0.00186	0.00258	1	01/11/24 17:37	SMB	L727510
Phenanthrene	**0.0640**	mg/Kg - dry	0.000541	0.000861	1	01/11/24 17:37	SMB	L727510
Pyrene	**0.138**	mg/Kg - dry	0.000826	0.000861	1	01/11/24 17:37	SMB	L727510
Surrogate: 2-Fluorobiphenyl	46.2	Limits: 33-115%			1	01/11/24 17:37	SMB	L727510
Surrogate: Nitrobenzene-d5	44.9	Limits: 29-110%			1	01/11/24 17:37	SMB	L727510
Surrogate: 4-Terphenyl-d14	49.8	Limits: 33-122%			1	01/11/24 17:37	SMB	L727510

Analytical Method: TN EPH **Prep Batch(es):** **L727448** 01/12/24 06:37
Prep Method: 3550B

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Batch
Diesel Range Organics (C10-C28)	**50.5**	mg/Kg - dry	3.86	4.24	1	01/13/24 01:30	MMK	L727712
Oil Range Organics (>C28-C40)	**37.7**	mg/Kg - dry	3.86	4.24	1	01/13/24 01:30	MMK	L727712

Qualifiers/ Definitions

DF	Dilution Factor	I	Recovery out of range
J	Estimated value	M	Minimum value
MQL	Method Quantitation Limit		

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Project Legends Park

Information : 198 N. Pauline-Memphis, TN
Project No. 0888836801

Report Date : 01/17/2024
Received : 01/10/2024

Rebekah Ross
Project Manager

Report Number : **24-010-0197**

REPORT OF ANALYSIS

Lab No : **99316**
Sample ID : **LEGSSB42C-04**

Matrix: **Solids**
Sampled: **1/10/2024 9:50**

Analytical Method: TN EPH **Prep Batch(es):** **L727448** 01/12/24 06:37
Prep Method: 3550B

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Batch
TN EPH (C10-C40)	**88.2**	mg/Kg - dry	3.86	4.24	1	01/13/24 01:30		L727712
Surrogate: OTP Surrogate	127		Limits: 50-150%		10	01/12/24 14:37	MMK	TN EPH

Qualifiers/ Definitions

DF	Dilution Factor	I	Recovery out of range
J	Estimated value	M	Minimum value
MQL	Method Quantitation Limit		

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Report Date : 01/17/2024
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Rebekah Ross
Project Manager

Report Number : **24-010-0197**

REPORT OF ANALYSIS

Lab No : **99317**
Sample ID : **LEGSSB25C-01**

Matrix: **Solids**
Sampled: **1/10/2024 10:45**

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Method
Moisture	**18.2**	%	0	0.050	1	01/11/24 10:57	A.B	SW-DRYWT
Arsenic	**9.72**	mg/Kg - dry	0.305	0.611	1	01/12/24 19:57	JTR	6010D
Barium	**181**	mg/Kg - dry	0.183	0.611	1	01/12/24 19:57	JTR	6010D
Cadmium	**0.451**	mg/Kg - dry	0.0611	0.122	1	01/12/24 19:57	JTR	6010D
Chromium	**11.5**	mg/Kg - dry	0.305	0.305	1	01/12/24 19:57	JTR	6010D
Lead	**14.7**	mg/Kg - dry	0.244	0.366	1	01/12/24 19:57	JTR	6010D
Mercury	**0.0391 J**	mg/Kg - dry	0.0243	0.202	1	01/12/24 11:30	MRE	7471A
Selenium	<0.427	mg/Kg - dry	0.427	0.611	1	01/12/24 19:57	JTR	6010D
Silver	<0.244	mg/Kg - dry	0.244	0.306	1	01/12/24 19:57	JTR	6010D

Qualifiers/ Definitions

DF	Dilution Factor	I	Recovery out of range
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MQL	Method Quantitation Limit		

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Report Date : 01/17/2024
Received : 01/10/2024

Rebekah Ross
Project Manager

Report Number : **24-010-0197**

REPORT OF ANALYSIS

Lab No : **99317**
Sample ID : **LEGSSB25C-01**

Matrix: **Solids**
Sampled: **1/10/2024 10:45**

Analytical Method: 8260B **Prep Batch(es):** **L727773** 01/15/24 09:04
Prep Method: 5035

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Batch
Acetone	**0.0811**	mg/Kg - dry	0.0053	0.0488	1	01/15/24 14:18	ASH	L727826
Acetonitrile	<0.0638	mg/Kg - dry	0.0638	0.244	1	01/15/24 14:18	ASH	L727826
Acrolein	<0.0100	mg/Kg - dry	0.0100	0.0488	1	01/15/24 14:18	ASH	L727826
Acrylonitrile	<0.0046	mg/Kg - dry	0.0046	0.0488	1	01/15/24 14:18	ASH	L727826
Benzene	**0.0007 J**	mg/Kg - dry	0.0004	0.0024	1	01/15/24 14:18	ASH	L727826
Bromobenzene	<0.0009	mg/Kg - dry	0.0009	0.0024	1	01/15/24 14:18	ASH	L727826
Bromochloromethane	<0.0005	mg/Kg - dry	0.0005	0.0024	1	01/15/24 14:18	ASH	L727826
Bromodichloromethane	<0.0009	mg/Kg - dry	0.0009	0.0024	1	01/15/24 14:18	ASH	L727826
Bromoform	<0.0016	mg/Kg - dry	0.0016	0.0024	1	01/15/24 14:18	ASH	L727826
Bromomethane	<0.0019	mg/Kg - dry	0.0019	0.0024	1	01/15/24 14:18	ASH	L727826
Methyl Ethyl Ketone (MEK)	<0.0046	mg/Kg - dry	0.0046	0.0488	1	01/15/24 14:18	ASH	L727826
n-Butylbenzene	<0.0011	mg/Kg - dry	0.0011	0.0024	1	01/15/24 14:18	ASH	L727826
sec-Butyl benzene	<0.0011	mg/Kg - dry	0.0011	0.0024	1	01/15/24 14:18	ASH	L727826
tert-Butyl benzene	<0.0009	mg/Kg - dry	0.0009	0.0024	1	01/15/24 14:18	ASH	L727826
Carbon Disulfide	**0.0055 J**	mg/Kg - dry	0.0034	0.0122	1	01/15/24 14:18	ASH	L727826
Carbon Tetrachloride	<0.0005	mg/Kg - dry	0.0005	0.0024	1	01/15/24 14:18	ASH	L727826
Chlorobenzene	<0.0009	mg/Kg - dry	0.0009	0.0024	1	01/15/24 14:18	ASH	L727826
Chlorodibromomethane	<0.0012	mg/Kg - dry	0.0012	0.0024	1	01/15/24 14:18	ASH	L727826
Chloroethane	<0.0010	mg/Kg - dry	0.0010	0.0024	1	01/15/24 14:18	ASH	L727826
Chloroform	<0.0006	mg/Kg - dry	0.0006	0.0024	1	01/15/24 14:18	ASH	L727826
Chloromethane	<0.0008	mg/Kg - dry	0.0008	0.0024	1	01/15/24 14:18	ASH	L727826
2-Chlorotoluene	<0.0012	mg/Kg - dry	0.0012	0.0024	1	01/15/24 14:18	ASH	L727826

Qualifiers/ Definitions

DF	Dilution Factor	I	Recovery out of range
J	Estimated value	M	Minimum value
MQL	Method Quantitation Limit		

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Project Legends Park
Information : 198 N. Pauline-Memphis, TN
Project No. 0888836801

Report Date : 01/17/2024
Received : 01/10/2024

Rebekah Ross
Project Manager

Report Number : **24-010-0197**

REPORT OF ANALYSIS

Lab No : **99317**
Sample ID : **LEGSSB25C-01**

Matrix: **Solids**
Sampled: **1/10/2024 10:45**

Analytical Method: 8260B **Prep Batch(es):** **L727773** 01/15/24 09:04
Prep Method: 5035

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Batch
4-Chlorotoluene	<0.0013	mg/Kg - dry	0.0013	0.0024	1	01/15/24 14:18	ASH	L727826
1,2-Dibromo-3-Chloropropane	<0.0080	mg/Kg - dry	0.0080	0.0122	1	01/15/24 14:18	ASH	L727826
1,2-Dibromoethane	<0.0011	mg/Kg - dry	0.0011	0.0024	1	01/15/24 14:18	ASH	L727826
Dibromomethane	<0.0008	mg/Kg - dry	0.0008	0.0024	1	01/15/24 14:18	ASH	L727826
1,2-Dichlorobenzene	<0.0017	mg/Kg - dry	0.0017	0.0024	1	01/15/24 14:18	ASH	L727826
1,3-Dichlorobenzene	<0.0016	mg/Kg - dry	0.0016	0.0024	1	01/15/24 14:18	ASH	L727826
1,4-Dichlorobenzene	<0.0018	mg/Kg - dry	0.0018	0.0024	1	01/15/24 14:18	ASH	L727826
Dichlorodifluoromethane	<0.0023	mg/Kg - dry	0.0023	0.0024	1	01/15/24 14:18	ASH	L727826
1,1-Dichloroethane	<0.0004	mg/Kg - dry	0.0004	0.0024	1	01/15/24 14:18	ASH	L727826
1,2-Dichloroethane	<0.0005	mg/Kg - dry	0.0005	0.0024	1	01/15/24 14:18	ASH	L727826
1,1-Dichloroethene	<0.0007	mg/Kg - dry	0.0007	0.0024	1	01/15/24 14:18	ASH	L727826
cis-1,2-Dichloroethene	<0.0006	mg/Kg - dry	0.0006	0.0024	1	01/15/24 14:18	ASH	L727826
trans-1,2-Dichloroethene	<0.0003	mg/Kg - dry	0.0003	0.0024	1	01/15/24 14:18	ASH	L727826
1,2-Dichloroethene (Total)	<0.0003	mg/Kg - dry	0.0003	0.0024	1	01/15/24 14:18		L727826
1,2-Dichloropropane	<0.0007	mg/Kg - dry	0.0007	0.0024	1	01/15/24 14:18	ASH	L727826
1,3-Dichloropropane	<0.0011	mg/Kg - dry	0.0011	0.0024	1	01/15/24 14:18	ASH	L727826
2,2-Dichloropropane	<0.0007	mg/Kg - dry	0.0007	0.0024	1	01/15/24 14:18	ASH	L727826
1,1-Dichloropropene	<0.0004	mg/Kg - dry	0.0004	0.0024	1	01/15/24 14:18	ASH	L727826
cis-1,3-Dichloropropene	<0.0009	mg/Kg - dry	0.0009	0.0024	1	01/15/24 14:18	ASH	L727826
trans-1,3-Dichloropropene	<0.0009	mg/Kg - dry	0.0009	0.0024	1	01/15/24 14:18	ASH	L727826
Ethyl Acetate	<0.0073	mg/Kg - dry	0.0073	0.0488	1	01/15/24 14:18	ASH	L727826
Ethylbenzene	<0.0007	mg/Kg - dry	0.0007	0.0024	1	01/15/24 14:18	ASH	L727826

Qualifiers/ Definitions

DF	Dilution Factor	I	Recovery out of range
J	Estimated value	M	Minimum value
MQL	Method Quantitation Limit		

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Project Legends Park
Information : 198 N. Pauline-Memphis, TN
Project No. 0888836801

Report Date : 01/17/2024
Received : 01/10/2024

Rebekah Ross
Project Manager

Report Number : **24-010-0197**

REPORT OF ANALYSIS

Lab No : **99317**
Sample ID : **LEGSSB25C-01**

Matrix: **Solids**
Sampled: **1/10/2024 10:45**

Analytical Method: 8260B **Prep Batch(es):** **L727773** 01/15/24 09:04
Prep Method: 5035

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Batch
Hexachlorobutadiene	<0.0011	mg/Kg - dry	0.0011	0.0024	1	01/15/24 14:18	ASH	L727826
2-Hexanone	<0.0073	mg/Kg - dry	0.0073	0.0122	1	01/15/24 14:18	ASH	L727826
Iodomethane	<0.0055	mg/Kg - dry	0.0055	0.0122	1	01/15/24 14:18	ASH	L727826
Isopropylbenzene	<0.0009	mg/Kg - dry	0.0009	0.0024	1	01/15/24 14:18	ASH	L727826
4-Isopropyl toluene	<0.0011	mg/Kg - dry	0.0011	0.0024	1	01/15/24 14:18	ASH	L727826
4-Methyl-2-Pentanone	<0.0071	mg/Kg - dry	0.0071	0.0122	1	01/15/24 14:18	ASH	L727826
Methylene Chloride	<0.0033	mg/Kg - dry	0.0033	0.0122	1	01/15/24 14:18	ASH	L727826
Methyl tert-butyl ether (MTBE)	<0.0007	mg/Kg - dry	0.0007	0.0024	1	01/15/24 14:18	ASH	L727826
m,p-Xylene	<0.0017	mg/Kg - dry	0.0017	0.0048	1	01/15/24 14:18	ASH	L727826
Naphthalene	<0.0077	mg/Kg - dry	0.0077	0.0122	1	01/15/24 14:18	ASH	L727826
o-Xylene	<0.0009	mg/Kg - dry	0.0009	0.0024	1	01/15/24 14:18	ASH	L727826
n-Propyl acetate	<0.0082	mg/Kg - dry	0.0082	0.0122	1	01/15/24 14:18	ASH	L727826
n-Propylbenzene	<0.0007	mg/Kg - dry	0.0007	0.0024	1	01/15/24 14:18	ASH	L727826
Styrene	<0.0014	mg/Kg - dry	0.0014	0.0024	1	01/15/24 14:18	ASH	L727826
1,1,1,2-Tetrachloroethane	<0.0010	mg/Kg - dry	0.0010	0.0024	1	01/15/24 14:18	ASH	L727826
1,1,2,2-Tetrachloroethane	<0.0022	mg/Kg - dry	0.0022	0.0024	1	01/15/24 14:18	ASH	L727826
Tetrachloroethene	<0.0009	mg/Kg - dry	0.0009	0.0024	1	01/15/24 14:18	ASH	L727826
Toluene	<0.0039	mg/Kg - dry	0.0039	0.0048	1	01/15/24 14:18	ASH	L727826
1,2,3-Trichlorobenzene	<0.0024	mg/Kg - dry	0.0024	0.0024	1	01/15/24 14:18	ASH	L727826
1,2,4-Trichlorobenzene	<0.0013	mg/Kg - dry	0.0013	0.0024	1	01/15/24 14:18	ASH	L727826
1,1,1-Trichloroethane	<0.0004	mg/Kg - dry	0.0004	0.0024	1	01/15/24 14:18	ASH	L727826
1,1,2-Trichloroethane	<0.0012	mg/Kg - dry	0.0012	0.0024	1	01/15/24 14:18	ASH	L727826

Qualifiers/ Definitions

DF	Dilution Factor	I	Recovery out of range
J	Estimated value	M	Minimum value
MQL	Method Quantitation Limit		

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Project Legends Park
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Project No. 0888836801

Report Date : 01/17/2024
Received : 01/10/2024

Rebekah Ross
Project Manager

Report Number : **24-010-0197**

REPORT OF ANALYSIS

Lab No : **99317**
Sample ID : **LEGSSB25C-01**

Matrix: **Solids**
Sampled: **1/10/2024 10:45**

Analytical Method: 8260B **Prep Batch(es):** **L727773** 01/15/24 09:04
Prep Method: 5035

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Batch
Trichloroethene	<0.0011	mg/Kg - dry	0.0011	0.0024	1	01/15/24 14:18	ASH	L727826
Trichlorofluoromethane	<0.0010	mg/Kg - dry	0.0010	0.0024	1	01/15/24 14:18	ASH	L727826
1,2,3-Trichloropropane	<0.0018	mg/Kg - dry	0.0018	0.0024	1	01/15/24 14:18	ASH	L727826
1,2,4-Trimethylbenzene	<0.0009	mg/Kg - dry	0.0009	0.0024	1	01/15/24 14:18	ASH	L727826
1,3,5-Trimethylbenzene	<0.0011	mg/Kg - dry	0.0011	0.0024	1	01/15/24 14:18	ASH	L727826
Vinyl Acetate	<0.0049	mg/Kg - dry	0.0049	0.0488	1	01/15/24 14:18	ASH	L727826
Vinyl Chloride	<0.0008	mg/Kg - dry	0.0008	0.0024	1	01/15/24 14:18	ASH	L727826
Xylene (Total)	<0.0009	mg/Kg - dry	0.0009	0.0024	1	01/15/24 14:18		L727826
Surrogate: 4-Bromofluorobenzene	86.6		Limits: 60-140%		1	01/15/24 14:18	ASH	L727826
Surrogate: 1,2-Dichloroethane - d4	84.3		Limits: 60-140%		1	01/15/24 14:18	ASH	L727826
Surrogate: Toluene-d8	82.1		Limits: 60-140%		1	01/15/24 14:18	ASH	L727826

Analytical Method: 8270D SIM **Prep Batch(es):** **L727270** 01/11/24 09:59
Prep Method: 3550B

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Batch
Acenaphthene	**0.000920**	mg/Kg - dry	0.000371	0.000819	1	01/11/24 17:53	SMB	L727510
Acenaphthylene	<0.000330	mg/Kg - dry	0.000330	0.000819	1	01/11/24 17:53	SMB	L727510
Anthracene	**0.00307**	mg/Kg - dry	0.000408	0.000819	1	01/11/24 17:53	SMB	L727510
Benzo(a)anthracene	**0.0161**	mg/Kg - dry	0.000602	0.000819	1	01/11/24 17:53	SMB	L727510
Benzo(a)pyrene	**0.0197**	mg/Kg - dry	0.000572	0.000819	1	01/11/24 17:53	SMB	L727510
Benzo(b)fluoranthene	**0.0200**	mg/Kg - dry	0.000715	0.000819	1	01/11/24 17:53	SMB	L727510
Benzo(g,h,i)perylene	**0.0103**	mg/Kg - dry	0.000781	0.000819	1	01/11/24 17:53	SMB	L727510

Qualifiers/ Definitions

DF	Dilution Factor	I	Recovery out of range
J	Estimated value	M	Minimum value
MQL	Method Quantitation Limit		

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Information : 198 N. Pauline-Memphis, TN
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Report Date : 01/17/2024
Received : 01/10/2024

Rebekah Ross
Project Manager

Report Number : **24-010-0197**

REPORT OF ANALYSIS

Lab No : **99317**
Sample ID : **LEGSSB25C-01**

Matrix: **Solids**
Sampled: **1/10/2024 10:45**

Analytical Method: 8270D SIM **Prep Batch(es):** **L727270** 01/11/24 09:59
Prep Method: 3550B

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Batch
Benzo(k)fluoranthene	**0.00795**	mg/Kg - dry	0.000534	0.000819	1	01/11/24 17:53	SMB	L727510
Chrysene	**0.0203**	mg/Kg - dry	0.000762	0.000819	1	01/11/24 17:53	SMB	L727510
Dibenz(a,h)anthracene	**0.00424**	mg/Kg - dry	0.000750	0.000819	1	01/11/24 17:53	SMB	L727510
Fluoranthene	**0.0422**	mg/Kg - dry	0.000481	0.000819	1	01/11/24 17:53	SMB	L727510
Fluorene	**0.000803 J**	mg/Kg - dry	0.000349	0.000819	1	01/11/24 17:53	SMB	L727510
Indeno(1,2,3-cd)pyrene	**0.0134**	mg/Kg - dry	0.000766	0.000819	1	01/11/24 17:53	SMB	L727510
2-Methylnaphthalene	<0.00237	mg/Kg - dry	0.00237	0.00246	1	01/11/24 17:53	SMB	L727510
Naphthalene	<0.00177	mg/Kg - dry	0.00177	0.00246	1	01/11/24 17:53	SMB	L727510
Phenanthrene	**0.0215**	mg/Kg - dry	0.000514	0.000819	1	01/11/24 17:53	SMB	L727510
Pyrene	**0.0336**	mg/Kg - dry	0.000786	0.000819	1	01/11/24 17:53	SMB	L727510
Surrogate: 2-Fluorobiphenyl	45.9	Limits: 33-115%			1	01/11/24 17:53	SMB	L727510
Surrogate: Nitrobenzene-d5	45.3	Limits: 29-110%			1	01/11/24 17:53	SMB	L727510
Surrogate: 4-Terphenyl-d14	52.0	Limits: 33-122%			1	01/11/24 17:53	SMB	L727510

Analytical Method: TN EPH **Prep Batch(es):** **L727448** 01/12/24 06:37
Prep Method: 3550B

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Batch
Diesel Range Organics (C10-C28)	**5.32**	mg/Kg - dry	3.67	4.03	1	01/13/24 01:53	MMK	L727712
Oil Range Organics (>C28-C40)	**11.6**	mg/Kg - dry	3.67	4.03	1	01/13/24 01:53	MMK	L727712
TN EPH (C10-C40)	**17.0**	mg/Kg - dry	3.67	4.03	1	01/13/24 01:53		L727712
Surrogate: OTP Surrogate	90.0	Limits: 50-150%			10	01/12/24 15:01	MMK	TN EPH

Qualifiers/ Definitions

DF	Dilution Factor	I	Recovery out of range
J	Estimated value	M	Minimum value
MQL	Method Quantitation Limit		

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Project Legends Park

Information : 198 N. Pauline-Memphis, TN
Project No. 0888836801

Report Date : 01/17/2024
Received : 01/10/2024

Rebekah Ross
Project Manager

Report Number : **24-010-0197**

REPORT OF ANALYSIS

Lab No : **99318**
Sample ID : **LEGSSB25C-02**

Matrix: **Solids**
Sampled: **1/10/2024 10:45**

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Method
Moisture	**20.8**	%	0	0.050	1	01/11/24 11:33	A.B	SW-DRYWT
Arsenic	**9.23**	mg/Kg - dry	0.315	0.631	1	01/12/24 20:03	JTR	6010D
Barium	**123**	mg/Kg - dry	0.189	0.631	1	01/12/24 20:03	JTR	6010D
Cadmium	**0.443**	mg/Kg - dry	0.0631	0.126	1	01/12/24 20:03	JTR	6010D
Chromium	**12.4**	mg/Kg - dry	0.315	0.315	1	01/12/24 20:03	JTR	6010D
Lead	**40.2**	mg/Kg - dry	0.252	0.378	1	01/12/24 20:03	JTR	6010D
Mercury	**0.102 J**	mg/Kg - dry	0.0279	0.231	1	01/12/24 11:32	MRE	7471A
Selenium	<0.441	mg/Kg - dry	0.441	0.631	1	01/12/24 20:03	JTR	6010D
Silver	<0.253	mg/Kg - dry	0.253	0.316	1	01/12/24 20:03	JTR	6010D

Qualifiers/ Definitions

DF	Dilution Factor	I	Recovery out of range
J	Estimated value	M	Minimum value
MQL	Method Quantitation Limit		

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Report Date : 01/17/2024
Received : 01/10/2024

Rebekah Ross
Project Manager

Report Number : **24-010-0197**

REPORT OF ANALYSIS

Lab No : **99318**
Sample ID : **LEGSSB25C-02**

Matrix: **Solids**
Sampled: **1/10/2024 10:45**

Analytical Method: 8260B **Prep Batch(es):** **L727773** 01/15/24 09:04
Prep Method: 5035

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Batch
Acetone	**0.215**	mg/Kg - dry	0.0054	0.0505	1	01/15/24 15:01	ASH	L727826
Acetonitrile	<0.0659	mg/Kg - dry	0.0659	0.253	1	01/15/24 15:01	ASH	L727826
Acrolein	<0.0104	mg/Kg - dry	0.0104	0.0505	1	01/15/24 15:01	ASH	L727826
Acrylonitrile	<0.0047	mg/Kg - dry	0.0047	0.0505	1	01/15/24 15:01	ASH	L727826
Benzene	<0.0004	mg/Kg - dry	0.0004	0.0025	1	01/15/24 15:01	ASH	L727826
Bromobenzene	<0.0009	mg/Kg - dry	0.0009	0.0025	1	01/15/24 15:01	ASH	L727826
Bromochloromethane	<0.0005	mg/Kg - dry	0.0005	0.0025	1	01/15/24 15:01	ASH	L727826
Bromodichloromethane	<0.0009	mg/Kg - dry	0.0009	0.0025	1	01/15/24 15:01	ASH	L727826
Bromoform	<0.0016	mg/Kg - dry	0.0016	0.0025	1	01/15/24 15:01	ASH	L727826
Bromomethane	<0.0020	mg/Kg - dry	0.0020	0.0025	1	01/15/24 15:01	ASH	L727826
Methyl Ethyl Ketone (MEK)	**0.0188 J**	mg/Kg - dry	0.0048	0.0505	1	01/15/24 15:01	ASH	L727826
n-Butylbenzene	<0.0011	mg/Kg - dry	0.0011	0.0025	1	01/15/24 15:01	ASH	L727826
sec-Butyl benzene	<0.0011	mg/Kg - dry	0.0011	0.0025	1	01/15/24 15:01	ASH	L727826
tert-Butyl benzene	<0.0009	mg/Kg - dry	0.0009	0.0025	1	01/15/24 15:01	ASH	L727826
Carbon Disulfide	<0.0035	mg/Kg - dry	0.0035	0.0126	1	01/15/24 15:01	ASH	L727826
Carbon Tetrachloride	<0.0005	mg/Kg - dry	0.0005	0.0025	1	01/15/24 15:01	ASH	L727826
Chlorobenzene	<0.0009	mg/Kg - dry	0.0009	0.0025	1	01/15/24 15:01	ASH	L727826
Chlorodibromomethane	<0.0013	mg/Kg - dry	0.0013	0.0025	1	01/15/24 15:01	ASH	L727826
Chloroethane	<0.0010	mg/Kg - dry	0.0010	0.0025	1	01/15/24 15:01	ASH	L727826
Chloroform	<0.0006	mg/Kg - dry	0.0006	0.0025	1	01/15/24 15:01	ASH	L727826
Chloromethane	<0.0009	mg/Kg - dry	0.0009	0.0025	1	01/15/24 15:01	ASH	L727826
2-Chlorotoluene	<0.0012	mg/Kg - dry	0.0012	0.0025	1	01/15/24 15:01	ASH	L727826

Qualifiers/ Definitions

DF	Dilution Factor	I	Recovery out of range
J	Estimated value	M	Minimum value
MQL	Method Quantitation Limit		

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Project Legends Park
Information : 198 N. Pauline-Memphis, TN
Project No. 0888836801

Report Date : 01/17/2024
Received : 01/10/2024

Rebekah Ross
Project Manager

Report Number : **24-010-0197**

REPORT OF ANALYSIS

Lab No : **99318**
Sample ID : **LEGSSB25C-02**

Matrix: **Solids**
Sampled: **1/10/2024 10:45**

Analytical Method: 8260B **Prep Batch(es):** **L727773** 01/15/24 09:04
Prep Method: 5035

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Batch
4-Chlorotoluene	<0.0013	mg/Kg - dry	0.0013	0.0025	1	01/15/24 15:01	ASH	L727826
1,2-Dibromo-3-Chloropropane	<0.0083	mg/Kg - dry	0.0083	0.0126	1	01/15/24 15:01	ASH	L727826
1,2-Dibromoethane	<0.0011	mg/Kg - dry	0.0011	0.0025	1	01/15/24 15:01	ASH	L727826
Dibromomethane	<0.0008	mg/Kg - dry	0.0008	0.0025	1	01/15/24 15:01	ASH	L727826
1,2-Dichlorobenzene	<0.0017	mg/Kg - dry	0.0017	0.0025	1	01/15/24 15:01	ASH	L727826
1,3-Dichlorobenzene	<0.0016	mg/Kg - dry	0.0016	0.0025	1	01/15/24 15:01	ASH	L727826
1,4-Dichlorobenzene	<0.0019	mg/Kg - dry	0.0019	0.0025	1	01/15/24 15:01	ASH	L727826
Dichlorodifluoromethane	<0.0023	mg/Kg - dry	0.0023	0.0025	1	01/15/24 15:01	ASH	L727826
1,1-Dichloroethane	<0.0004	mg/Kg - dry	0.0004	0.0025	1	01/15/24 15:01	ASH	L727826
1,2-Dichloroethane	<0.0005	mg/Kg - dry	0.0005	0.0025	1	01/15/24 15:01	ASH	L727826
1,1-Dichloroethene	<0.0007	mg/Kg - dry	0.0007	0.0025	1	01/15/24 15:01	ASH	L727826
cis-1,2-Dichloroethene	<0.0006	mg/Kg - dry	0.0006	0.0025	1	01/15/24 15:01	ASH	L727826
trans-1,2-Dichloroethene	<0.0003	mg/Kg - dry	0.0003	0.0025	1	01/15/24 15:01	ASH	L727826
1,2-Dichloroethene (Total)	<0.0003	mg/Kg - dry	0.0003	0.0025	1	01/15/24 15:01		L727826
1,2-Dichloropropane	<0.0008	mg/Kg - dry	0.0008	0.0025	1	01/15/24 15:01	ASH	L727826
1,3-Dichloropropane	<0.0011	mg/Kg - dry	0.0011	0.0025	1	01/15/24 15:01	ASH	L727826
2,2-Dichloropropane	<0.0007	mg/Kg - dry	0.0007	0.0025	1	01/15/24 15:01	ASH	L727826
1,1-Dichloropropene	<0.0004	mg/Kg - dry	0.0004	0.0025	1	01/15/24 15:01	ASH	L727826
cis-1,3-Dichloropropene	<0.0009	mg/Kg - dry	0.0009	0.0025	1	01/15/24 15:01	ASH	L727826
trans-1,3-Dichloropropene	<0.0009	mg/Kg - dry	0.0009	0.0025	1	01/15/24 15:01	ASH	L727826
Ethyl Acetate	<0.0076	mg/Kg - dry	0.0076	0.0505	1	01/15/24 15:01	ASH	L727826
Ethylbenzene	<0.0008	mg/Kg - dry	0.0008	0.0025	1	01/15/24 15:01	ASH	L727826

Qualifiers/ Definitions

DF	Dilution Factor	I	Recovery out of range
J	Estimated value	M	Minimum value
MQL	Method Quantitation Limit		

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Project Legends Park

Information : 198 N. Pauline-Memphis, TN
Project No. 0888836801

Report Date : 01/17/2024
Received : 01/10/2024

Rebekah Ross
Project Manager

Report Number : **24-010-0197**

REPORT OF ANALYSIS

Lab No : **99318**
Sample ID : **LEGSSB25C-02**

Matrix: **Solids**
Sampled: **1/10/2024 10:45**

Analytical Method: 8260B **Prep Batch(es):** **L727773** 01/15/24 09:04
Prep Method: 5035

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Batch
Hexachlorobutadiene	<0.0011	mg/Kg - dry	0.0011	0.0025	1	01/15/24 15:01	ASH	L727826
2-Hexanone	<0.0076	mg/Kg - dry	0.0076	0.0126	1	01/15/24 15:01	ASH	L727826
Iodomethane	<0.0057	mg/Kg - dry	0.0057	0.0126	1	01/15/24 15:01	ASH	L727826
Isopropylbenzene	<0.0009	mg/Kg - dry	0.0009	0.0025	1	01/15/24 15:01	ASH	L727826
4-Isopropyl toluene	<0.0012	mg/Kg - dry	0.0012	0.0025	1	01/15/24 15:01	ASH	L727826
4-Methyl-2-Pentanone	<0.0073	mg/Kg - dry	0.0073	0.0126	1	01/15/24 15:01	ASH	L727826
Methylene Chloride	<0.0035	mg/Kg - dry	0.0035	0.0126	1	01/15/24 15:01	ASH	L727826
Methyl tert-butyl ether (MTBE)	<0.0007	mg/Kg - dry	0.0007	0.0025	1	01/15/24 15:01	ASH	L727826
m,p-Xylene	<0.0018	mg/Kg - dry	0.0018	0.0050	1	01/15/24 15:01	ASH	L727826
Naphthalene	<0.0079	mg/Kg - dry	0.0079	0.0126	1	01/15/24 15:01	ASH	L727826
o-Xylene	<0.0009	mg/Kg - dry	0.0009	0.0025	1	01/15/24 15:01	ASH	L727826
n-Propyl acetate	<0.0085	mg/Kg - dry	0.0085	0.0126	1	01/15/24 15:01	ASH	L727826
n-Propylbenzene	<0.0007	mg/Kg - dry	0.0007	0.0025	1	01/15/24 15:01	ASH	L727826
Styrene	<0.0014	mg/Kg - dry	0.0014	0.0025	1	01/15/24 15:01	ASH	L727826
1,1,1,2-Tetrachloroethane	<0.0011	mg/Kg - dry	0.0011	0.0025	1	01/15/24 15:01	ASH	L727826
1,1,2,2-Tetrachloroethane	<0.0023	mg/Kg - dry	0.0023	0.0025	1	01/15/24 15:01	ASH	L727826
Tetrachloroethene	<0.0009	mg/Kg - dry	0.0009	0.0025	1	01/15/24 15:01	ASH	L727826
Toluene	<0.0041	mg/Kg - dry	0.0041	0.0050	1	01/15/24 15:01	ASH	L727826
1,2,3-Trichlorobenzene	<0.0025	mg/Kg - dry	0.0025	0.0025	1	01/15/24 15:01	ASH	L727826
1,2,4-Trichlorobenzene	<0.0014	mg/Kg - dry	0.0014	0.0025	1	01/15/24 15:01	ASH	L727826
1,1,1-Trichloroethane	<0.0004	mg/Kg - dry	0.0004	0.0025	1	01/15/24 15:01	ASH	L727826
1,1,2-Trichloroethane	<0.0012	mg/Kg - dry	0.0012	0.0025	1	01/15/24 15:01	ASH	L727826

Qualifiers/ Definitions

DF	Dilution Factor	I	Recovery out of range
J	Estimated value	M	Minimum value
MQL	Method Quantitation Limit		

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Project Legends Park
Information : 198 N. Pauline-Memphis, TN
Project No. 0888836801

Report Date : 01/17/2024
Received : 01/10/2024

Rebekah Ross
Project Manager

Report Number : **24-010-0197**

REPORT OF ANALYSIS

Lab No : **99318**
Sample ID : **LEGSSB25C-02**

Matrix: **Solids**
Sampled: **1/10/2024 10:45**

Analytical Method: 8260B **Prep Batch(es):** **L727773** 01/15/24 09:04
Prep Method: 5035

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Batch
Trichloroethene	<0.0011	mg/Kg - dry	0.0011	0.0025	1	01/15/24 15:01	ASH	L727826
Trichlorofluoromethane	<0.0011	mg/Kg - dry	0.0011	0.0025	1	01/15/24 15:01	ASH	L727826
1,2,3-Trichloropropane	<0.0019	mg/Kg - dry	0.0019	0.0025	1	01/15/24 15:01	ASH	L727826
1,2,4-Trimethylbenzene	<0.0010	mg/Kg - dry	0.0010	0.0025	1	01/15/24 15:01	ASH	L727826
1,3,5-Trimethylbenzene	<0.0011	mg/Kg - dry	0.0011	0.0025	1	01/15/24 15:01	ASH	L727826
Vinyl Acetate	<0.0051	mg/Kg - dry	0.0051	0.0505	1	01/15/24 15:01	ASH	L727826
Vinyl Chloride	<0.0009	mg/Kg - dry	0.0009	0.0025	1	01/15/24 15:01	ASH	L727826
Xylene (Total)	<0.0009	mg/Kg - dry	0.0009	0.0025	1	01/15/24 15:01		L727826
Surrogate: 4-Bromofluorobenzene	87.7		Limits: 60-140%		1	01/15/24 15:01	ASH	L727826
Surrogate: 1,2-Dichloroethane - d4	82.4		Limits: 60-140%		1	01/15/24 15:01	ASH	L727826
Surrogate: Toluene-d8	83.1		Limits: 60-140%		1	01/15/24 15:01	ASH	L727826

Analytical Method: 8270D SIM **Prep Batch(es):** **L727270** 01/11/24 09:59
Prep Method: 3550B

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Batch
Acenaphthene	**0.00213**	mg/Kg - dry	0.000383	0.000845	1	01/11/24 18:09	SMB	L727510
Acenaphthylene	**0.00677**	mg/Kg - dry	0.000340	0.000845	1	01/11/24 18:09	SMB	L727510
Anthracene	**0.00759**	mg/Kg - dry	0.000421	0.000845	1	01/11/24 18:09	SMB	L727510
Benzo(a)anthracene	**0.0591**	mg/Kg - dry	0.000622	0.000845	1	01/11/24 18:09	SMB	L727510
Benzo(a)pyrene	**0.0751**	mg/Kg - dry	0.000590	0.000845	1	01/11/24 18:09	SMB	L727510
Benzo(b)fluoranthene	**0.0600**	mg/Kg - dry	0.000738	0.000845	1	01/11/24 18:09	SMB	L727510
Benzo(g,h,i)perylene	**0.0299**	mg/Kg - dry	0.000806	0.000845	1	01/11/24 18:09	SMB	L727510

Qualifiers/ Definitions

DF	Dilution Factor	I	Recovery out of range
J	Estimated value	M	Minimum value
MQL	Method Quantitation Limit		

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Report Date : 01/17/2024
Received : 01/10/2024

Rebekah Ross
Project Manager

Report Number : **24-010-0197**

REPORT OF ANALYSIS

Lab No : **99318**
Sample ID : **LEGSSB25C-02**

Matrix: **Solids**
Sampled: **1/10/2024 10:45**

Analytical Method: 8270D SIM **Prep Batch(es):** **L727270** 01/11/24 09:59
Prep Method: 3550B

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Batch
Benzo(k)fluoranthene	**0.0265**	mg/Kg - dry	0.000551	0.000845	1	01/11/24 18:09	SMB	L727510
Chrysene	**0.0699**	mg/Kg - dry	0.000787	0.000845	1	01/11/24 18:09	SMB	L727510
Dibenz(a,h)anthracene	**0.0123**	mg/Kg - dry	0.000775	0.000845	1	01/11/24 18:09	SMB	L727510
Fluoranthene	**0.108**	mg/Kg - dry	0.000497	0.000845	1	01/11/24 18:09	SMB	L727510
Fluorene	**0.00237**	mg/Kg - dry	0.000361	0.000845	1	01/11/24 18:09	SMB	L727510
Indeno(1,2,3-cd)pyrene	**0.0422**	mg/Kg - dry	0.000791	0.000845	1	01/11/24 18:09	SMB	L727510
2-Methylnaphthalene	<0.00245	mg/Kg - dry	0.00245	0.00254	1	01/11/24 18:09	SMB	L727510
Naphthalene	<0.00183	mg/Kg - dry	0.00183	0.00254	1	01/11/24 18:09	SMB	L727510
Phenanthrene	**0.0486**	mg/Kg - dry	0.000531	0.000845	1	01/11/24 18:09	SMB	L727510
Pyrene	**0.0956**	mg/Kg - dry	0.000811	0.000845	1	01/11/24 18:09	SMB	L727510
Surrogate: 2-Fluorobiphenyl	43.8	Limits: 33-115%			1	01/11/24 18:09	SMB	L727510
Surrogate: Nitrobenzene-d5	42.9	Limits: 29-110%			1	01/11/24 18:09	SMB	L727510
Surrogate: 4-Terphenyl-d14	51.7	Limits: 33-122%			1	01/11/24 18:09	SMB	L727510

Analytical Method: TN EPH **Prep Batch(es):** **L727448** 01/12/24 06:37
Prep Method: 3550B

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Batch
Diesel Range Organics (C10-C28)	**9.34**	mg/Kg - dry	3.79	4.17	1	01/13/24 02:17	MMK	L727712
Oil Range Organics (>C28-C40)	**13.9**	mg/Kg - dry	3.79	4.17	1	01/13/24 02:17	MMK	L727712
TN EPH (C10-C40)	**23.2**	mg/Kg - dry	3.79	4.17	1	01/13/24 02:17		L727712
Surrogate: OTP Surrogate	106	Limits: 50-150%			10	01/12/24 15:24	MMK	TN EPH

Qualifiers/ Definitions

DF	Dilution Factor	I	Recovery out of range
J	Estimated value	M	Minimum value
MQL	Method Quantitation Limit		

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Project Legends Park

Information : 198 N. Pauline-Memphis, TN
Project No. 0888836801

Report Date : 01/17/2024
Received : 01/10/2024

Rebekah Ross
Project Manager

Report Number : **24-010-0197**

REPORT OF ANALYSIS

Lab No : **99319**
Sample ID : **LEGSSB25C-03**

Matrix: **Solids**
Sampled: **1/10/2024 10:45**

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Method
Moisture	**19.3**	%	0	0.050	1	01/11/24 11:33	A.B	SW-DRYWT
Arsenic	**10.9**	mg/Kg - dry	0.309	0.619	1	01/12/24 20:09	JTR	6010D
Barium	**126**	mg/Kg - dry	0.185	0.619	1	01/12/24 20:09	JTR	6010D
Cadmium	**0.487**	mg/Kg - dry	0.0619	0.124	1	01/12/24 20:09	JTR	6010D
Chromium	**13.4**	mg/Kg - dry	0.309	0.309	1	01/12/24 20:09	JTR	6010D
Lead	**27.0**	mg/Kg - dry	0.247	0.371	1	01/12/24 20:09	JTR	6010D
Mercury	**0.0804 J**	mg/Kg - dry	0.0276	0.229	1	01/12/24 11:33	MRE	7471A
Selenium	<0.433	mg/Kg - dry	0.433	0.619	1	01/12/24 20:09	JTR	6010D
Silver	<0.248	mg/Kg - dry	0.248	0.310	1	01/12/24 20:09	JTR	6010D

Qualifiers/ Definitions

DF	Dilution Factor	I	Recovery out of range
J	Estimated value	M	Minimum value
MQL	Method Quantitation Limit		

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Project Legends Park
Information : 198 N. Pauline-Memphis, TN
Project No. 0888836801

Report Date : 01/17/2024
Received : 01/10/2024

Rebekah Ross
Project Manager

Report Number : **24-010-0197**

REPORT OF ANALYSIS

Lab No : **99319**
Sample ID : **LEGSSB25C-03**

Matrix: **Solids**
Sampled: **1/10/2024 10:45**

Analytical Method: 8260B **Prep Batch(es):** **L727773** 01/15/24 09:04
Prep Method: 5035

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Batch
Acetone	**0.128**	mg/Kg - dry	0.0059	0.0546	1	01/15/24 15:43	ASH	L727826
Acetonitrile	<0.0711	mg/Kg - dry	0.0711	0.273	1	01/15/24 15:43	ASH	L727826
Acrolein	<0.0112	mg/Kg - dry	0.0112	0.0546	1	01/15/24 15:43	ASH	L727826
Acrylonitrile	<0.0051	mg/Kg - dry	0.0051	0.0546	1	01/15/24 15:43	ASH	L727826
Benzene	<0.0005	mg/Kg - dry	0.0005	0.0027	1	01/15/24 15:43	ASH	L727826
Bromobenzene	<0.0010	mg/Kg - dry	0.0010	0.0027	1	01/15/24 15:43	ASH	L727826
Bromochloromethane	<0.0005	mg/Kg - dry	0.0005	0.0027	1	01/15/24 15:43	ASH	L727826
Bromodichloromethane	<0.0010	mg/Kg - dry	0.0010	0.0027	1	01/15/24 15:43	ASH	L727826
Bromoform	<0.0017	mg/Kg - dry	0.0017	0.0027	1	01/15/24 15:43	ASH	L727826
Bromomethane	<0.0021	mg/Kg - dry	0.0021	0.0027	1	01/15/24 15:43	ASH	L727826
Methyl Ethyl Ketone (MEK)	<0.0052	mg/Kg - dry	0.0052	0.0546	1	01/15/24 15:43	ASH	L727826
n-Butylbenzene	<0.0012	mg/Kg - dry	0.0012	0.0027	1	01/15/24 15:43	ASH	L727826
sec-Butyl benzene	<0.0012	mg/Kg - dry	0.0012	0.0027	1	01/15/24 15:43	ASH	L727826
tert-Butyl benzene	<0.0010	mg/Kg - dry	0.0010	0.0027	1	01/15/24 15:43	ASH	L727826
Carbon Disulfide	<0.0038	mg/Kg - dry	0.0038	0.0136	1	01/15/24 15:43	ASH	L727826
Carbon Tetrachloride	<0.0005	mg/Kg - dry	0.0005	0.0027	1	01/15/24 15:43	ASH	L727826
Chlorobenzene	<0.0010	mg/Kg - dry	0.0010	0.0027	1	01/15/24 15:43	ASH	L727826
Chlorodibromomethane	<0.0014	mg/Kg - dry	0.0014	0.0027	1	01/15/24 15:43	ASH	L727826
Chloroethane	<0.0011	mg/Kg - dry	0.0011	0.0027	1	01/15/24 15:43	ASH	L727826
Chloroform	<0.0007	mg/Kg - dry	0.0007	0.0027	1	01/15/24 15:43	ASH	L727826
Chloromethane	<0.0009	mg/Kg - dry	0.0009	0.0027	1	01/15/24 15:43	ASH	L727826
2-Chlorotoluene	<0.0013	mg/Kg - dry	0.0013	0.0027	1	01/15/24 15:43	ASH	L727826

Qualifiers/ Definitions

DF	Dilution Factor	I	Recovery out of range
J	Estimated value	M	Minimum value
MQL	Method Quantitation Limit		

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Project Legends Park
Information : 198 N. Pauline-Memphis, TN
Project No. 0888836801

Report Date : 01/17/2024
Received : 01/10/2024

Report Number : **24-010-0197**

REPORT OF ANALYSIS

Rebekah Ross
Project Manager

Lab No : **99319**
Sample ID : **LEGSSB25C-03**

Matrix: **Solids**
Sampled: **1/10/2024 10:45**

Analytical Method: 8260B **Prep Batch(es):** **L727773** 01/15/24 09:04
Prep Method: 5035

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Batch
4-Chlorotoluene	<0.0014	mg/Kg - dry	0.0014	0.0027	1	01/15/24 15:43	ASH	L727826
1,2-Dibromo-3-Chloropropane	<0.0089	mg/Kg - dry	0.0089	0.0136	1	01/15/24 15:43	ASH	L727826
1,2-Dibromoethane	<0.0012	mg/Kg - dry	0.0012	0.0027	1	01/15/24 15:43	ASH	L727826
Dibromomethane	<0.0009	mg/Kg - dry	0.0009	0.0027	1	01/15/24 15:43	ASH	L727826
1,2-Dichlorobenzene	<0.0019	mg/Kg - dry	0.0019	0.0027	1	01/15/24 15:43	ASH	L727826
1,3-Dichlorobenzene	<0.0018	mg/Kg - dry	0.0018	0.0027	1	01/15/24 15:43	ASH	L727826
1,4-Dichlorobenzene	<0.0020	mg/Kg - dry	0.0020	0.0027	1	01/15/24 15:43	ASH	L727826
Dichlorodifluoromethane	<0.0025	mg/Kg - dry	0.0025	0.0027	1	01/15/24 15:43	ASH	L727826
1,1-Dichloroethane	<0.0005	mg/Kg - dry	0.0005	0.0027	1	01/15/24 15:43	ASH	L727826
1,2-Dichloroethane	<0.0005	mg/Kg - dry	0.0005	0.0027	1	01/15/24 15:43	ASH	L727826
1,1-Dichloroethene	<0.0007	mg/Kg - dry	0.0007	0.0027	1	01/15/24 15:43	ASH	L727826
cis-1,2-Dichloroethene	<0.0007	mg/Kg - dry	0.0007	0.0027	1	01/15/24 15:43	ASH	L727826
trans-1,2-Dichloroethene	<0.0003	mg/Kg - dry	0.0003	0.0027	1	01/15/24 15:43	ASH	L727826
1,2-Dichloroethene (Total)	<0.0003	mg/Kg - dry	0.0003	0.0027	1	01/15/24 15:43		L727826
1,2-Dichloropropane	<0.0008	mg/Kg - dry	0.0008	0.0027	1	01/15/24 15:43	ASH	L727826
1,3-Dichloropropane	<0.0012	mg/Kg - dry	0.0012	0.0027	1	01/15/24 15:43	ASH	L727826
2,2-Dichloropropane	<0.0007	mg/Kg - dry	0.0007	0.0027	1	01/15/24 15:43	ASH	L727826
1,1-Dichloropropene	<0.0005	mg/Kg - dry	0.0005	0.0027	1	01/15/24 15:43	ASH	L727826
cis-1,3-Dichloropropene	<0.0010	mg/Kg - dry	0.0010	0.0027	1	01/15/24 15:43	ASH	L727826
trans-1,3-Dichloropropene	<0.0010	mg/Kg - dry	0.0010	0.0027	1	01/15/24 15:43	ASH	L727826
Ethyl Acetate	<0.0082	mg/Kg - dry	0.0082	0.0546	1	01/15/24 15:43	ASH	L727826
Ethylbenzene	<0.0008	mg/Kg - dry	0.0008	0.0027	1	01/15/24 15:43	ASH	L727826

Qualifiers/ Definitions

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Project Legends Park
Information : 198 N. Pauline-Memphis, TN
Project No. 0888836801

Report Date : 01/17/2024
Received : 01/10/2024

Rebekah Ross
Project Manager

Report Number : **24-010-0197**

REPORT OF ANALYSIS

Lab No : **99319**
Sample ID : **LEGSSB25C-03**

Matrix: **Solids**
Sampled: **1/10/2024 10:45**

Analytical Method: 8260B **Prep Batch(es):** **L727773** 01/15/24 09:04
Prep Method: 5035

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Batch
Hexachlorobutadiene	<0.0012	mg/Kg - dry	0.0012	0.0027	1	01/15/24 15:43	ASH	L727826
2-Hexanone	<0.0082	mg/Kg - dry	0.0082	0.0136	1	01/15/24 15:43	ASH	L727826
Iodomethane	<0.0062	mg/Kg - dry	0.0062	0.0136	1	01/15/24 15:43	ASH	L727826
Isopropylbenzene	<0.0010	mg/Kg - dry	0.0010	0.0027	1	01/15/24 15:43	ASH	L727826
4-Isopropyl toluene	<0.0013	mg/Kg - dry	0.0013	0.0027	1	01/15/24 15:43	ASH	L727826
4-Methyl-2-Pentanone	<0.0079	mg/Kg - dry	0.0079	0.0136	1	01/15/24 15:43	ASH	L727826
Methylene Chloride	<0.0037	mg/Kg - dry	0.0037	0.0136	1	01/15/24 15:43	ASH	L727826
Methyl tert-butyl ether (MTBE)	<0.0008	mg/Kg - dry	0.0008	0.0027	1	01/15/24 15:43	ASH	L727826
m,p-Xylene	<0.0019	mg/Kg - dry	0.0019	0.0054	1	01/15/24 15:43	ASH	L727826
Naphthalene	<0.0086	mg/Kg - dry	0.0086	0.0136	1	01/15/24 15:43	ASH	L727826
o-Xylene	<0.0010	mg/Kg - dry	0.0010	0.0027	1	01/15/24 15:43	ASH	L727826
n-Propyl acetate	<0.0092	mg/Kg - dry	0.0092	0.0136	1	01/15/24 15:43	ASH	L727826
n-Propylbenzene	<0.0008	mg/Kg - dry	0.0008	0.0027	1	01/15/24 15:43	ASH	L727826
Styrene	<0.0015	mg/Kg - dry	0.0015	0.0027	1	01/15/24 15:43	ASH	L727826
1,1,1,2-Tetrachloroethane	<0.0012	mg/Kg - dry	0.0012	0.0027	1	01/15/24 15:43	ASH	L727826
1,1,2,2-Tetrachloroethane	<0.0025	mg/Kg - dry	0.0025	0.0027	1	01/15/24 15:43	ASH	L727826
Tetrachloroethene	<0.0010	mg/Kg - dry	0.0010	0.0027	1	01/15/24 15:43	ASH	L727826
Toluene	<0.0044	mg/Kg - dry	0.0044	0.0054	1	01/15/24 15:43	ASH	L727826
1,2,3-Trichlorobenzene	<0.0027	mg/Kg - dry	0.0027	0.0027	1	01/15/24 15:43	ASH	L727826
1,2,4-Trichlorobenzene	<0.0015	mg/Kg - dry	0.0015	0.0027	1	01/15/24 15:43	ASH	L727826
1,1,1-Trichloroethane	<0.0005	mg/Kg - dry	0.0005	0.0027	1	01/15/24 15:43	ASH	L727826
1,1,2-Trichloroethane	<0.0013	mg/Kg - dry	0.0013	0.0027	1	01/15/24 15:43	ASH	L727826

Qualifiers/ Definitions

DF	Dilution Factor	I	Recovery out of range
J	Estimated value	M	Minimum value
MQL	Method Quantitation Limit		

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Project Legends Park
Information : 198 N. Pauline-Memphis, TN
Project No. 0888836801

Report Date : 01/17/2024
Received : 01/10/2024

Rebekah Ross
Project Manager

Report Number : **24-010-0197**

REPORT OF ANALYSIS

Lab No : **99319**
Sample ID : **LEGSSB25C-03**

Matrix: **Solids**
Sampled: **1/10/2024 10:45**

Analytical Method: 8260B **Prep Batch(es):** **L727773** 01/15/24 09:04
Prep Method: 5035

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Batch
Trichloroethene	<0.0012	mg/Kg - dry	0.0012	0.0027	1	01/15/24 15:43	ASH	L727826
Trichlorofluoromethane	<0.0012	mg/Kg - dry	0.0012	0.0027	1	01/15/24 15:43	ASH	L727826
1,2,3-Trichloropropane	<0.0020	mg/Kg - dry	0.0020	0.0027	1	01/15/24 15:43	ASH	L727826
1,2,4-Trimethylbenzene	<0.0011	mg/Kg - dry	0.0011	0.0027	1	01/15/24 15:43	ASH	L727826
1,3,5-Trimethylbenzene	<0.0012	mg/Kg - dry	0.0012	0.0027	1	01/15/24 15:43	ASH	L727826
Vinyl Acetate	<0.0055	mg/Kg - dry	0.0055	0.0546	1	01/15/24 15:43	ASH	L727826
Vinyl Chloride	<0.0009	mg/Kg - dry	0.0009	0.0027	1	01/15/24 15:43	ASH	L727826
Xylene (Total)	<0.0010	mg/Kg - dry	0.0010	0.0027	1	01/15/24 15:43		L727826
Surrogate: 4-Bromofluorobenzene	87.5		Limits: 60-140%		1	01/15/24 15:43	ASH	L727826
Surrogate: 1,2-Dichloroethane - d4	81.5		Limits: 60-140%		1	01/15/24 15:43	ASH	L727826
Surrogate: Toluene-d8	82.5		Limits: 60-140%		1	01/15/24 15:43	ASH	L727826

Analytical Method: 8270D SIM **Prep Batch(es):** **L727270** 01/11/24 09:59
Prep Method: 3550B

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Batch
Acenaphthene	**0.00673**	mg/Kg - dry	0.000376	0.000830	1	01/11/24 18:25	SMB	L727510
Acenaphthylene	**0.000701 J**	mg/Kg - dry	0.000334	0.000830	1	01/11/24 18:25	SMB	L727510
Anthracene	**0.0149**	mg/Kg - dry	0.000413	0.000830	1	01/11/24 18:25	SMB	L727510
Benzo(a)anthracene	**0.0580**	mg/Kg - dry	0.000610	0.000830	1	01/11/24 18:25	SMB	L727510
Benzo(a)pyrene	**0.0664**	mg/Kg - dry	0.000579	0.000830	1	01/11/24 18:25	SMB	L727510
Benzo(b)fluoranthene	**0.0551**	mg/Kg - dry	0.000724	0.000830	1	01/11/24 18:25	SMB	L727510
Benzo(g,h,i)perylene	**0.0255**	mg/Kg - dry	0.000791	0.000830	1	01/11/24 18:25	SMB	L727510

Qualifiers/ Definitions

DF	Dilution Factor	I	Recovery out of range
J	Estimated value	M	Minimum value
MQL	Method Quantitation Limit		

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Report Date : 01/17/2024
Received : 01/10/2024

Rebekah Ross
Project Manager

Report Number : **24-010-0197**

REPORT OF ANALYSIS

Lab No : **99319**
Sample ID : **LEGSSB25C-03**

Matrix: **Solids**
Sampled: **1/10/2024 10:45**

Analytical Method: 8270D SIM **Prep Batch(es):** **L727270** 01/11/24 09:59
Prep Method: 3550B

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Batch
Benzo(k)fluoranthene	**0.0196**	mg/Kg - dry	0.000541	0.000830	1	01/11/24 18:25	SMB	L727510
Chrysene	**0.0714**	mg/Kg - dry	0.000773	0.000830	1	01/11/24 18:25	SMB	L727510
Dibenz(a,h)anthracene	**0.0110**	mg/Kg - dry	0.000760	0.000830	1	01/11/24 18:25	SMB	L727510
Fluoranthene	**0.141**	mg/Kg - dry	0.000488	0.000830	1	01/11/24 18:25	SMB	L727510
Fluorene	**0.00575**	mg/Kg - dry	0.000354	0.000830	1	01/11/24 18:25	SMB	L727510
Indeno(1,2,3-cd)pyrene	**0.0336**	mg/Kg - dry	0.000776	0.000830	1	01/11/24 18:25	SMB	L727510
2-Methylnaphthalene	<0.00240	mg/Kg - dry	0.00240	0.00249	1	01/11/24 18:25	SMB	L727510
Naphthalene	<0.00180	mg/Kg - dry	0.00180	0.00249	1	01/11/24 18:25	SMB	L727510
Phenanthrene	**0.0796**	mg/Kg - dry	0.000521	0.000830	1	01/11/24 18:25	SMB	L727510
Pyrene	**0.111**	mg/Kg - dry	0.000796	0.000830	1	01/11/24 18:25	SMB	L727510
Surrogate: 2-Fluorobiphenyl	46.5		Limits: 33-115%		1	01/11/24 18:25	SMB	L727510
Surrogate: Nitrobenzene-d5	45.3		Limits: 29-110%		1	01/11/24 18:25	SMB	L727510
Surrogate: 4-Terphenyl-d14	52.0		Limits: 33-122%		1	01/11/24 18:25	SMB	L727510

Analytical Method: TN EPH **Prep Batch(es):** **L727448** 01/12/24 06:37
Prep Method: 3550B

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Batch
Diesel Range Organics (C10-C28)	**7.51**	mg/Kg - dry	3.72	4.09	1	01/13/24 03:03	MMK	L727712
Oil Range Organics (>C28-C40)	**13.1**	mg/Kg - dry	3.72	4.09	1	01/13/24 03:03	MMK	L727712
TN EPH (C10-C40)	**20.7**	mg/Kg - dry	3.72	4.09	1	01/13/24 03:03		L727712
Surrogate: OTP Surrogate	100		Limits: 50-150%		10	01/12/24 16:11	MMK	TN EPH

Qualifiers/ Definitions

DF	Dilution Factor
J	Estimated value
MQL	Method Quantitation Limit
I	Recovery out of range
M	Minimum value

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Report Date : 01/17/2024
Received : 01/10/2024

Rebekah Ross
Project Manager

Report Number : **24-010-0197**

REPORT OF ANALYSIS

Lab No : **99320**
Sample ID : **LEGSSB25C-04**

Matrix: **Solids**
Sampled: **1/10/2024 10:45**

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Method
Moisture	**19.7**	%	0	0.050	1	01/11/24 11:33	A.B	SW-DRYWT
Arsenic	**7.78**	mg/Kg - dry	0.311	0.622	1	01/12/24 20:14	JTR	6010D
Barium	**99.9**	mg/Kg - dry	0.186	0.622	1	01/12/24 20:14	JTR	6010D
Cadmium	**0.413**	mg/Kg - dry	0.0622	0.125	1	01/12/24 20:14	JTR	6010D
Chromium	**13.8**	mg/Kg - dry	0.311	0.311	1	01/12/24 20:14	JTR	6010D
Lead	**23.0**	mg/Kg - dry	0.249	0.373	1	01/12/24 20:14	JTR	6010D
Mercury	**0.0793 J**	mg/Kg - dry	0.0264	0.219	1	01/12/24 11:35	MRE	7471A
Selenium	<0.435	mg/Kg - dry	0.435	0.622	1	01/12/24 20:14	JTR	6010D
Silver	<0.249	mg/Kg - dry	0.249	0.311	1	01/12/24 20:14	JTR	6010D

Qualifiers/ Definitions

DF	Dilution Factor	I	Recovery out of range
J	Estimated value	M	Minimum value
MQL	Method Quantitation Limit		

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Rebekah Ross
Project Manager

Report Number : **24-010-0197**

REPORT OF ANALYSIS

Lab No : **99320**
Sample ID : **LEGSSB25C-04**

Matrix: **Solids**
Sampled: **1/10/2024 10:45**

Analytical Method: 8260B **Prep Batch(es):** **L727773** 01/15/24 09:04
Prep Method: 5035

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Batch
Acetone	**0.252**	mg/Kg - dry	0.0054	0.0498	1	01/15/24 16:26	ASH	L727826
Acetonitrile	<0.0650	mg/Kg - dry	0.0650	0.249	1	01/15/24 16:26	ASH	L727826
Acrolein	<0.0102	mg/Kg - dry	0.0102	0.0498	1	01/15/24 16:26	ASH	L727826
Acrylonitrile	<0.0047	mg/Kg - dry	0.0047	0.0498	1	01/15/24 16:26	ASH	L727826
Benzene	<0.0004	mg/Kg - dry	0.0004	0.0024	1	01/15/24 16:26	ASH	L727826
Bromobenzene	<0.0009	mg/Kg - dry	0.0009	0.0024	1	01/15/24 16:26	ASH	L727826
Bromochloromethane	<0.0005	mg/Kg - dry	0.0005	0.0024	1	01/15/24 16:26	ASH	L727826
Bromodichloromethane	<0.0009	mg/Kg - dry	0.0009	0.0024	1	01/15/24 16:26	ASH	L727826
Bromoform	<0.0016	mg/Kg - dry	0.0016	0.0024	1	01/15/24 16:26	ASH	L727826
Bromomethane	<0.0019	mg/Kg - dry	0.0019	0.0024	1	01/15/24 16:26	ASH	L727826
Methyl Ethyl Ketone (MEK)	**0.0259 J**	mg/Kg - dry	0.0047	0.0498	1	01/15/24 16:26	ASH	L727826
n-Butylbenzene	<0.0011	mg/Kg - dry	0.0011	0.0024	1	01/15/24 16:26	ASH	L727826
sec-Butyl benzene	<0.0011	mg/Kg - dry	0.0011	0.0024	1	01/15/24 16:26	ASH	L727826
tert-Butyl benzene	<0.0009	mg/Kg - dry	0.0009	0.0024	1	01/15/24 16:26	ASH	L727826
Carbon Disulfide	<0.0035	mg/Kg - dry	0.0035	0.0124	1	01/15/24 16:26	ASH	L727826
Carbon Tetrachloride	<0.0005	mg/Kg - dry	0.0005	0.0024	1	01/15/24 16:26	ASH	L727826
Chlorobenzene	<0.0009	mg/Kg - dry	0.0009	0.0024	1	01/15/24 16:26	ASH	L727826
Chlorodibromomethane	<0.0013	mg/Kg - dry	0.0013	0.0024	1	01/15/24 16:26	ASH	L727826
Chloroethane	<0.0010	mg/Kg - dry	0.0010	0.0024	1	01/15/24 16:26	ASH	L727826
Chloroform	<0.0006	mg/Kg - dry	0.0006	0.0024	1	01/15/24 16:26	ASH	L727826
Chloromethane	<0.0008	mg/Kg - dry	0.0008	0.0024	1	01/15/24 16:26	ASH	L727826
2-Chlorotoluene	<0.0012	mg/Kg - dry	0.0012	0.0024	1	01/15/24 16:26	ASH	L727826

Qualifiers/ Definitions

DF	Dilution Factor	I	Recovery out of range
J	Estimated value	M	Minimum value
MQL	Method Quantitation Limit		

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5724 Summer Tree Drive
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Project Legends Park
Information : 198 N. Pauline-Memphis, TN
Project No. 0888836801

Report Date : 01/17/2024
Received : 01/10/2024

Rebekah Ross
Project Manager

Report Number : **24-010-0197**

REPORT OF ANALYSIS

Lab No : **99320**
Sample ID : **LEGSSB25C-04**

Matrix: **Solids**
Sampled: **1/10/2024 10:45**

Analytical Method: 8260B **Prep Batch(es):** **L727773** 01/15/24 09:04
Prep Method: 5035

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Batch
4-Chlorotoluene	<0.0013	mg/Kg - dry	0.0013	0.0024	1	01/15/24 16:26	ASH	L727826
1,2-Dibromo-3-Chloropropane	<0.0082	mg/Kg - dry	0.0082	0.0124	1	01/15/24 16:26	ASH	L727826
1,2-Dibromoethane	<0.0011	mg/Kg - dry	0.0011	0.0024	1	01/15/24 16:26	ASH	L727826
Dibromomethane	<0.0008	mg/Kg - dry	0.0008	0.0024	1	01/15/24 16:26	ASH	L727826
1,2-Dichlorobenzene	<0.0017	mg/Kg - dry	0.0017	0.0024	1	01/15/24 16:26	ASH	L727826
1,3-Dichlorobenzene	<0.0016	mg/Kg - dry	0.0016	0.0024	1	01/15/24 16:26	ASH	L727826
1,4-Dichlorobenzene	<0.0018	mg/Kg - dry	0.0018	0.0024	1	01/15/24 16:26	ASH	L727826
Dichlorodifluoromethane	<0.0023	mg/Kg - dry	0.0023	0.0024	1	01/15/24 16:26	ASH	L727826
1,1-Dichloroethane	<0.0004	mg/Kg - dry	0.0004	0.0024	1	01/15/24 16:26	ASH	L727826
1,2-Dichloroethane	<0.0005	mg/Kg - dry	0.0005	0.0024	1	01/15/24 16:26	ASH	L727826
1,1-Dichloroethene	<0.0007	mg/Kg - dry	0.0007	0.0024	1	01/15/24 16:26	ASH	L727826
cis-1,2-Dichloroethene	<0.0006	mg/Kg - dry	0.0006	0.0024	1	01/15/24 16:26	ASH	L727826
trans-1,2-Dichloroethene	<0.0003	mg/Kg - dry	0.0003	0.0024	1	01/15/24 16:26	ASH	L727826
1,2-Dichloroethene (Total)	<0.0003	mg/Kg - dry	0.0003	0.0024	1	01/15/24 16:26		L727826
1,2-Dichloropropane	<0.0008	mg/Kg - dry	0.0008	0.0024	1	01/15/24 16:26	ASH	L727826
1,3-Dichloropropane	<0.0011	mg/Kg - dry	0.0011	0.0024	1	01/15/24 16:26	ASH	L727826
2,2-Dichloropropane	<0.0007	mg/Kg - dry	0.0007	0.0024	1	01/15/24 16:26	ASH	L727826
1,1-Dichloropropene	<0.0004	mg/Kg - dry	0.0004	0.0024	1	01/15/24 16:26	ASH	L727826
cis-1,3-Dichloropropene	<0.0009	mg/Kg - dry	0.0009	0.0024	1	01/15/24 16:26	ASH	L727826
trans-1,3-Dichloropropene	<0.0009	mg/Kg - dry	0.0009	0.0024	1	01/15/24 16:26	ASH	L727826
Ethyl Acetate	<0.0075	mg/Kg - dry	0.0075	0.0498	1	01/15/24 16:26	ASH	L727826
Ethylbenzene	<0.0007	mg/Kg - dry	0.0007	0.0024	1	01/15/24 16:26	ASH	L727826

Qualifiers/ Definitions

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MQL	Method Quantitation Limit		

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Project Legends Park

Information : 198 N. Pauline-Memphis, TN
Project No. 0888836801

Report Date : 01/17/2024
Received : 01/10/2024

Rebekah Ross
Project Manager

Report Number : **24-010-0197**

REPORT OF ANALYSIS

Lab No : **99320**
Sample ID : **LEGSSB25C-04**

Matrix: **Solids**
Sampled: **1/10/2024 10:45**

Analytical Method: 8260B **Prep Batch(es):** **L727773** 01/15/24 09:04
Prep Method: 5035

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Batch
Hexachlorobutadiene	<0.0011	mg/Kg - dry	0.0011	0.0024	1	01/15/24 16:26	ASH	L727826
2-Hexanone	<0.0074	mg/Kg - dry	0.0074	0.0124	1	01/15/24 16:26	ASH	L727826
Iodomethane	<0.0056	mg/Kg - dry	0.0056	0.0124	1	01/15/24 16:26	ASH	L727826
Isopropylbenzene	<0.0009	mg/Kg - dry	0.0009	0.0024	1	01/15/24 16:26	ASH	L727826
4-Isopropyl toluene	<0.0012	mg/Kg - dry	0.0012	0.0024	1	01/15/24 16:26	ASH	L727826
4-Methyl-2-Pentanone	<0.0072	mg/Kg - dry	0.0072	0.0124	1	01/15/24 16:26	ASH	L727826
Methylene Chloride	<0.0034	mg/Kg - dry	0.0034	0.0124	1	01/15/24 16:26	ASH	L727826
Methyl tert-butyl ether (MTBE)	<0.0007	mg/Kg - dry	0.0007	0.0024	1	01/15/24 16:26	ASH	L727826
m,p-Xylene	<0.0017	mg/Kg - dry	0.0017	0.0049	1	01/15/24 16:26	ASH	L727826
Naphthalene	<0.0078	mg/Kg - dry	0.0078	0.0124	1	01/15/24 16:26	ASH	L727826
o-Xylene	<0.0009	mg/Kg - dry	0.0009	0.0024	1	01/15/24 16:26	ASH	L727826
n-Propyl acetate	<0.0084	mg/Kg - dry	0.0084	0.0124	1	01/15/24 16:26	ASH	L727826
n-Propylbenzene	<0.0007	mg/Kg - dry	0.0007	0.0024	1	01/15/24 16:26	ASH	L727826
Styrene	<0.0014	mg/Kg - dry	0.0014	0.0024	1	01/15/24 16:26	ASH	L727826
1,1,1,2-Tetrachloroethane	<0.0011	mg/Kg - dry	0.0011	0.0024	1	01/15/24 16:26	ASH	L727826
1,1,2,2-Tetrachloroethane	<0.0023	mg/Kg - dry	0.0023	0.0024	1	01/15/24 16:26	ASH	L727826
Tetrachloroethene	<0.0009	mg/Kg - dry	0.0009	0.0024	1	01/15/24 16:26	ASH	L727826
Toluene	<0.0040	mg/Kg - dry	0.0040	0.0049	1	01/15/24 16:26	ASH	L727826
1,2,3-Trichlorobenzene	<0.0024	mg/Kg - dry	0.0024	0.0024	1	01/15/24 16:26	ASH	L727826
1,2,4-Trichlorobenzene	<0.0014	mg/Kg - dry	0.0014	0.0024	1	01/15/24 16:26	ASH	L727826
1,1,1-Trichloroethane	<0.0004	mg/Kg - dry	0.0004	0.0024	1	01/15/24 16:26	ASH	L727826
1,1,2-Trichloroethane	<0.0012	mg/Kg - dry	0.0012	0.0024	1	01/15/24 16:26	ASH	L727826

Qualifiers/ Definitions

DF	Dilution Factor	I	Recovery out of range
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MQL	Method Quantitation Limit		

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Project Legends Park
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Report Date : 01/17/2024
Received : 01/10/2024

Rebekah Ross
Project Manager

Report Number : **24-010-0197**

REPORT OF ANALYSIS

Lab No : **99320**
Sample ID : **LEGSSB25C-04**

Matrix: **Solids**
Sampled: **1/10/2024 10:45**

Analytical Method: 8260B **Prep Batch(es):** **L727773** 01/15/24 09:04
Prep Method: 5035

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Batch
Trichloroethene	<0.0011	mg/Kg - dry	0.0011	0.0024	1	01/15/24 16:26	ASH	L727826
Trichlorofluoromethane	<0.0011	mg/Kg - dry	0.0011	0.0024	1	01/15/24 16:26	ASH	L727826
1,2,3-Trichloropropane	<0.0018	mg/Kg - dry	0.0018	0.0024	1	01/15/24 16:26	ASH	L727826
1,2,4-Trimethylbenzene	<0.0010	mg/Kg - dry	0.0010	0.0024	1	01/15/24 16:26	ASH	L727826
1,3,5-Trimethylbenzene	<0.0011	mg/Kg - dry	0.0011	0.0024	1	01/15/24 16:26	ASH	L727826
Vinyl Acetate	<0.0050	mg/Kg - dry	0.0050	0.0498	1	01/15/24 16:26	ASH	L727826
Vinyl Chloride	<0.0009	mg/Kg - dry	0.0009	0.0024	1	01/15/24 16:26	ASH	L727826
Xylene (Total)	<0.0009	mg/Kg - dry	0.0009	0.0024	1	01/15/24 16:26		L727826
Surrogate: 4-Bromofluorobenzene	87.6		Limits: 60-140%		1	01/15/24 16:26	ASH	L727826
Surrogate: 1,2-Dichloroethane - d4	82.5		Limits: 60-140%		1	01/15/24 16:26	ASH	L727826
Surrogate: Toluene-d8	83.5		Limits: 60-140%		1	01/15/24 16:26	ASH	L727826

Analytical Method: 8270D SIM **Prep Batch(es):** **L727270** 01/11/24 09:59
Prep Method: 3550B

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Batch
Acenaphthene	**0.00108**	mg/Kg - dry	0.000378	0.000834	1	01/11/24 18:41	SMB	L727510
Acenaphthylene	**0.00205**	mg/Kg - dry	0.000336	0.000834	1	01/11/24 18:41	SMB	L727510
Anthracene	**0.00584**	mg/Kg - dry	0.000415	0.000834	1	01/11/24 18:41	SMB	L727510
Benzo(a)anthracene	**0.0294**	mg/Kg - dry	0.000613	0.000834	1	01/11/24 18:41	SMB	L727510
Benzo(a)pyrene	**0.0337**	mg/Kg - dry	0.000582	0.000834	1	01/11/24 18:41	SMB	L727510
Benzo(b)fluoranthene	**0.0325**	mg/Kg - dry	0.000728	0.000834	1	01/11/24 18:41	SMB	L727510
Benzo(g,h,i)perylene	**0.0191**	mg/Kg - dry	0.000795	0.000834	1	01/11/24 18:41	SMB	L727510

Qualifiers/ Definitions

DF	Dilution Factor	I	Recovery out of range
J	Estimated value	M	Minimum value
MQL	Method Quantitation Limit		

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Project Legends Park

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Rebekah Ross
Project Manager

Report Number : **24-010-0197**

REPORT OF ANALYSIS

Lab No : **99320**
Sample ID : **LEGSSB25C-04**

Matrix: **Solids**
Sampled: **1/10/2024 10:45**

Analytical Method: 8270D SIM **Prep Batch(es):** **L727270** 01/11/24 09:59
Prep Method: 3550B

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Batch
Benzo(k)fluoranthene	**0.0128**	mg/Kg - dry	0.000544	0.000834	1	01/11/24 18:41	SMB	L727510
Chrysene	**0.0335**	mg/Kg - dry	0.000777	0.000834	1	01/11/24 18:41	SMB	L727510
Dibenz(a,h)anthracene	**0.00785**	mg/Kg - dry	0.000764	0.000834	1	01/11/24 18:41	SMB	L727510
Fluoranthene	**0.0605**	mg/Kg - dry	0.000490	0.000834	1	01/11/24 18:41	SMB	L727510
Fluorene	**0.00127**	mg/Kg - dry	0.000356	0.000834	1	01/11/24 18:41	SMB	L727510
Indeno(1,2,3-cd)pyrene	**0.0234**	mg/Kg - dry	0.000780	0.000834	1	01/11/24 18:41	SMB	L727510
2-Methylnaphthalene	<0.00242	mg/Kg - dry	0.00242	0.00250	1	01/11/24 18:41	SMB	L727510
Naphthalene	<0.00181	mg/Kg - dry	0.00181	0.00250	1	01/11/24 18:41	SMB	L727510
Phenanthrene	**0.0271**	mg/Kg - dry	0.000524	0.000834	1	01/11/24 18:41	SMB	L727510
Pyrene	**0.0502**	mg/Kg - dry	0.000800	0.000834	1	01/11/24 18:41	SMB	L727510
Surrogate: 2-Fluorobiphenyl	49.5		Limits: 33-115%		1	01/11/24 18:41	SMB	L727510
Surrogate: Nitrobenzene-d5	48.3		Limits: 29-110%		1	01/11/24 18:41	SMB	L727510
Surrogate: 4-Terphenyl-d14	55.0		Limits: 33-122%		1	01/11/24 18:41	SMB	L727510

Analytical Method: TN EPH **Prep Batch(es):** **L727448** 01/12/24 06:37
Prep Method: 3550B

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Batch
Diesel Range Organics (C10-C28)	**6.63**	mg/Kg - dry	3.74	4.11	1	01/13/24 03:27	MMK	L727712
Oil Range Organics (>C28-C40)	**11.9**	mg/Kg - dry	3.74	4.11	1	01/13/24 03:27	MMK	L727712
TN EPH (C10-C40)	**18.6**	mg/Kg - dry	3.74	4.11	1	01/13/24 03:27		L727712
Surrogate: OTP Surrogate	104		Limits: 50-150%		10	01/12/24 16:57	MMK	TN EPH

Qualifiers/ Definitions

DF	Dilution Factor	I	Recovery out of range
J	Estimated value	M	Minimum value
MQL	Method Quantitation Limit		

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Report Date : 01/17/2024
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Rebekah Ross
Project Manager

Report Number : **24-010-0197**

REPORT OF ANALYSIS

Lab No : **99321**
Sample ID : **LEGSSB28C-01**

Matrix: **Solids**
Sampled: **1/10/2024 11:40**

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Method
Moisture	**17.6**	%	0	0.050	1	01/11/24 11:33	A.B	SW-DRYWT
Arsenic	**7.91**	mg/Kg - dry	0.303	0.606	1	01/12/24 20:20	JTR	6010D
Barium	**106**	mg/Kg - dry	0.182	0.606	1	01/12/24 20:20	JTR	6010D
Cadmium	**0.415**	mg/Kg - dry	0.0606	0.121	1	01/12/24 20:20	JTR	6010D
Chromium	**13.8**	mg/Kg - dry	0.303	0.303	1	01/12/24 20:20	JTR	6010D
Lead	**24.6**	mg/Kg - dry	0.242	0.364	1	01/12/24 20:20	JTR	6010D
Mercury	**0.0586 J**	mg/Kg - dry	0.0260	0.215	1	01/12/24 11:36	MRE	7471A
Selenium	<0.424	mg/Kg - dry	0.424	0.606	1	01/12/24 20:20	JTR	6010D
Silver	<0.243	mg/Kg - dry	0.243	0.303	1	01/12/24 20:20	JTR	6010D

Qualifiers/ Definitions

DF	Dilution Factor	I	Recovery out of range
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MQL	Method Quantitation Limit		

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Project Manager

Report Number : **24-010-0197**

REPORT OF ANALYSIS

Lab No : **99321**
Sample ID : **LEGSSB28C-01**

Matrix: **Solids**
Sampled: **1/10/2024 11:40**

Analytical Method: 8260B **Prep Batch(es):** **L727773** 01/15/24 09:04 **L727933** 01/16/24 08:42
Prep Method: 5035

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Batch
Acetone	**0.112**	mg/Kg - dry	0.0052	0.0485	1	01/15/24 17:08	ASH	L727826
Acetonitrile	<0.0633	mg/Kg - dry	0.0633	0.243	1	01/15/24 17:08	ASH	L727826
Acrolein	<0.0100	mg/Kg - dry	0.0100	0.0485	1	01/15/24 17:08	ASH	L727826
Acrylonitrile	<0.0045	mg/Kg - dry	0.0045	0.0485	1	01/15/24 17:08	ASH	L727826
Benzene	**0.0012 J**	mg/Kg - dry	0.0004	0.0024	1	01/15/24 17:08	ASH	L727826
Bromobenzene	<0.0009	mg/Kg - dry	0.0009	0.0024	1	01/15/24 17:08	ASH	L727826
Bromochloromethane	<0.0005	mg/Kg - dry	0.0005	0.0024	1	01/15/24 17:08	ASH	L727826
Bromodichloromethane	<0.0009	mg/Kg - dry	0.0009	0.0024	1	01/15/24 17:08	ASH	L727826
Bromoform	<0.0016	mg/Kg - dry	0.0016	0.0024	1	01/15/24 17:08	ASH	L727826
Bromomethane	<0.0019	mg/Kg - dry	0.0019	0.0024	1	01/15/24 17:08	ASH	L727826
Methyl Ethyl Ketone (MEK)	**0.0149 J**	mg/Kg - dry	0.0046	0.0485	1	01/15/24 17:08	ASH	L727826
n-Butylbenzene	<0.0011	mg/Kg - dry	0.0011	0.0024	1	01/15/24 17:08	ASH	L727826
sec-Butyl benzene	<0.0011	mg/Kg - dry	0.0011	0.0024	1	01/15/24 17:08	ASH	L727826
tert-Butyl benzene	<0.0008	mg/Kg - dry	0.0008	0.0024	1	01/15/24 17:08	ASH	L727826
Carbon Disulfide	**0.0043 J**	mg/Kg - dry	0.0034	0.0121	1	01/15/24 17:08	ASH	L727826
Carbon Tetrachloride	<0.0004	mg/Kg - dry	0.0004	0.0024	1	01/15/24 17:08	ASH	L727826
Chlorobenzene	<0.0009	mg/Kg - dry	0.0009	0.0024	1	01/15/24 17:08	ASH	L727826
Chlorodibromomethane	<0.0012	mg/Kg - dry	0.0012	0.0024	1	01/15/24 17:08	ASH	L727826
Chloroethane	<0.0010	mg/Kg - dry	0.0010	0.0024	1	01/15/24 17:08	ASH	L727826
Chloroform	<0.0006	mg/Kg - dry	0.0006	0.0024	1	01/15/24 17:08	ASH	L727826
Chloromethane	<0.0008	mg/Kg - dry	0.0008	0.0024	1	01/15/24 17:08	ASH	L727826
2-Chlorotoluene	<0.0012	mg/Kg - dry	0.0012	0.0024	1	01/15/24 17:08	ASH	L727826

Qualifiers/ Definitions

DF	Dilution Factor	I	Recovery out of range
J	Estimated value	M	Minimum value
MQL	Method Quantitation Limit		

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Rebekah Ross
Project Manager

Report Number : **24-010-0197**

REPORT OF ANALYSIS

Lab No : **99321**
Sample ID : **LEGSSB28C-01**

Matrix: **Solids**
Sampled: **1/10/2024 11:40**

Analytical Method: 8260B **Prep Batch(es):** **L727773** 01/15/24 09:04 **L727933** 01/16/24 08:42
Prep Method: 5035

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Batch
4-Chlorotoluene	<0.0012	mg/Kg - dry	0.0012	0.0024	1	01/15/24 17:08	ASH	L727826
1,2-Dibromo-3-Chloropropane	<0.0079	mg/Kg - dry	0.0079	0.0121	1	01/15/24 17:08	ASH	L727826
1,2-Dibromoethane	<0.0010	mg/Kg - dry	0.0010	0.0024	1	01/15/24 17:08	ASH	L727826
Dibromomethane	<0.0008	mg/Kg - dry	0.0008	0.0024	1	01/15/24 17:08	ASH	L727826
1,2-Dichlorobenzene	<0.0016	mg/Kg - dry	0.0016	0.0024	1	01/15/24 17:08	ASH	L727826
1,3-Dichlorobenzene	<0.0016	mg/Kg - dry	0.0016	0.0024	1	01/15/24 17:08	ASH	L727826
1,4-Dichlorobenzene	<0.0018	mg/Kg - dry	0.0018	0.0024	1	01/15/24 17:08	ASH	L727826
Dichlorodifluoromethane	<0.0022	mg/Kg - dry	0.0022	0.0024	1	01/15/24 17:08	ASH	L727826
1,1-Dichloroethane	<0.0004	mg/Kg - dry	0.0004	0.0024	1	01/15/24 17:08	ASH	L727826
1,2-Dichloroethane	<0.0005	mg/Kg - dry	0.0005	0.0024	1	01/15/24 17:08	ASH	L727826
1,1-Dichloroethene	<0.0007	mg/Kg - dry	0.0007	0.0024	1	01/15/24 17:08	ASH	L727826
cis-1,2-Dichloroethene	<0.0006	mg/Kg - dry	0.0006	0.0024	1	01/16/24 13:54	ASH	L727950
trans-1,2-Dichloroethene	<0.0003	mg/Kg - dry	0.0003	0.0024	1	01/15/24 17:08	ASH	L727826
1,2-Dichloroethene (Total)	<0.0003	mg/Kg - dry	0.0003	0.0024	1	01/15/24 17:08		L727950
1,2-Dichloropropane	<0.0007	mg/Kg - dry	0.0007	0.0024	1	01/15/24 17:08	ASH	L727826
1,3-Dichloropropane	<0.0011	mg/Kg - dry	0.0011	0.0024	1	01/15/24 17:08	ASH	L727826
2,2-Dichloropropane	<0.0007	mg/Kg - dry	0.0007	0.0024	1	01/15/24 17:08	ASH	L727826
1,1-Dichloropropene	<0.0004	mg/Kg - dry	0.0004	0.0024	1	01/15/24 17:08	ASH	L727826
cis-1,3-Dichloropropene	<0.0009	mg/Kg - dry	0.0009	0.0024	1	01/15/24 17:08	ASH	L727826
trans-1,3-Dichloropropene	<0.0009	mg/Kg - dry	0.0009	0.0024	1	01/15/24 17:08	ASH	L727826
Ethyl Acetate	<0.0073	mg/Kg - dry	0.0073	0.0485	1	01/15/24 17:08	ASH	L727826
Ethylbenzene	<0.0007	mg/Kg - dry	0.0007	0.0024	1	01/15/24 17:08	ASH	L727826

Qualifiers/ Definitions

DF	Dilution Factor	I	Recovery out of range
J	Estimated value	M	Minimum value
MQL	Method Quantitation Limit		

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Project Legends Park

Information : 198 N. Pauline-Memphis, TN
Project No. 0888836801

Report Date : 01/17/2024
Received : 01/10/2024

Rebekah Ross
Project Manager

Report Number : **24-010-0197**

REPORT OF ANALYSIS

Lab No : **99321**
Sample ID : **LEGSSB28C-01**

Matrix: **Solids**
Sampled: **1/10/2024 11:40**

Analytical Method: 8260B **Prep Batch(es):** **L727773** 01/15/24 09:04 **L727933** 01/16/24 08:42
Prep Method: 5035

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Batch
Hexachlorobutadiene	<0.0011	mg/Kg - dry	0.0011	0.0024	1	01/15/24 17:08	ASH	L727826
2-Hexanone	<0.0073	mg/Kg - dry	0.0073	0.0121	1	01/15/24 17:08	ASH	L727826
Iodomethane	<0.0055	mg/Kg - dry	0.0055	0.0121	1	01/15/24 17:08	ASH	L727826
Isopropylbenzene	<0.0009	mg/Kg - dry	0.0009	0.0024	1	01/15/24 17:08	ASH	L727826
4-Isopropyl toluene	<0.0011	mg/Kg - dry	0.0011	0.0024	1	01/15/24 17:08	ASH	L727826
4-Methyl-2-Pentanone	<0.0070	mg/Kg - dry	0.0070	0.0121	1	01/15/24 17:08	ASH	L727826
Methylene Chloride	<0.0033	mg/Kg - dry	0.0033	0.0121	1	01/15/24 17:08	ASH	L727826
Methyl tert-butyl ether (MTBE)	<0.0007	mg/Kg - dry	0.0007	0.0024	1	01/15/24 17:08	ASH	L727826
m,p-Xylene	<0.0017	mg/Kg - dry	0.0017	0.0048	1	01/15/24 17:08	ASH	L727826
Naphthalene	<0.0076	mg/Kg - dry	0.0076	0.0121	1	01/15/24 17:08	ASH	L727826
o-Xylene	<0.0009	mg/Kg - dry	0.0009	0.0024	1	01/15/24 17:08	ASH	L727826
n-Propyl acetate	<0.0082	mg/Kg - dry	0.0082	0.0121	1	01/15/24 17:08	ASH	L727826
n-Propylbenzene	<0.0007	mg/Kg - dry	0.0007	0.0024	1	01/15/24 17:08	ASH	L727826
Styrene	<0.0014	mg/Kg - dry	0.0014	0.0024	1	01/15/24 17:08	ASH	L727826
1,1,1,2-Tetrachloroethane	<0.0010	mg/Kg - dry	0.0010	0.0024	1	01/15/24 17:08	ASH	L727826
1,1,2,2-Tetrachloroethane	<0.0022	mg/Kg - dry	0.0022	0.0024	1	01/15/24 17:08	ASH	L727826
Tetrachloroethene	<0.0009	mg/Kg - dry	0.0009	0.0024	1	01/15/24 17:08	ASH	L727826
Toluene	<0.0039	mg/Kg - dry	0.0039	0.0048	1	01/15/24 17:08	ASH	L727826
1,2,3-Trichlorobenzene	<0.0024	mg/Kg - dry	0.0024	0.0024	1	01/15/24 17:08	ASH	L727826
1,2,4-Trichlorobenzene	<0.0013	mg/Kg - dry	0.0013	0.0024	1	01/15/24 17:08	ASH	L727826
1,1,1-Trichloroethane	<0.0004	mg/Kg - dry	0.0004	0.0024	1	01/15/24 17:08	ASH	L727826
1,1,2-Trichloroethane	<0.0012	mg/Kg - dry	0.0012	0.0024	1	01/15/24 17:08	ASH	L727826

Qualifiers/ Definitions

DF	Dilution Factor	I	Recovery out of range
J	Estimated value	M	Minimum value
MQL	Method Quantitation Limit		

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Project Legends Park
Information : 198 N. Pauline-Memphis, TN
Project No. 0888836801

Report Date : 01/17/2024
Received : 01/10/2024

Rebekah Ross
Project Manager

Report Number : **24-010-0197**

REPORT OF ANALYSIS

Lab No : **99321**
Sample ID : **LEGSSB28C-01**

Matrix: **Solids**
Sampled: **1/10/2024 11:40**

Analytical Method: 8260B **Prep Batch(es):** **L727773** 01/15/24 09:04 **L727933** 01/16/24 08:42
Prep Method: 5035

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Batch
Trichloroethene	<0.0010	mg/Kg - dry	0.0010	0.0024	1	01/15/24 17:08	ASH	L727826
Trichlorofluoromethane	<0.0010	mg/Kg - dry	0.0010	0.0024	1	01/15/24 17:08	ASH	L727826
1,2,3-Trichloropropane	<0.0018	mg/Kg - dry	0.0018	0.0024	1	01/15/24 17:08	ASH	L727826
1,2,4-Trimethylbenzene	<0.0009	mg/Kg - dry	0.0009	0.0024	1	01/15/24 17:08	ASH	L727826
1,3,5-Trimethylbenzene	<0.0011	mg/Kg - dry	0.0011	0.0024	1	01/15/24 17:08	ASH	L727826
Vinyl Acetate	<0.0049	mg/Kg - dry	0.0049	0.0485	1	01/15/24 17:08	ASH	L727826
Vinyl Chloride	<0.0008	mg/Kg - dry	0.0008	0.0024	1	01/15/24 17:08	ASH	L727826
Xylene (Total)	<0.0009	mg/Kg - dry	0.0009	0.0024	1	01/15/24 17:08		L727826
Surrogate: 4-Bromofluorobenzene	86.0		Limits: 60-140%		1	01/15/24 17:08	ASH	L727826
Surrogate: 1,2-Dichloroethane - d4	79.5		Limits: 60-140%		1	01/15/24 17:08	ASH	L727826
Surrogate: Toluene-d8	81.5		Limits: 60-140%		1	01/15/24 17:08	ASH	L727826
Surrogate: 4-Bromofluorobenzene	85.6		Limits: 60-140%		1	01/16/24 13:54	ASH	L727950
Surrogate: 1,2-Dichloroethane - d4	79.0		Limits: 60-140%		1	01/16/24 13:54	ASH	L727950
Surrogate: Toluene-d8	83.2		Limits: 60-140%		1	01/16/24 13:54	ASH	L727950

Analytical Method: 8270D SIM **Prep Batch(es):** **L727270** 01/11/24 09:59
Prep Method: 3550B

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Batch
Acenaphthene	**0.00873**	mg/Kg - dry	0.000368	0.000813	1	01/11/24 18:57	SMB	L727510
Acenaphthylene	**0.0133**	mg/Kg - dry	0.000327	0.000813	1	01/11/24 18:57	SMB	L727510
Anthracene	**0.0454**	mg/Kg - dry	0.000405	0.000813	1	01/11/24 18:57	SMB	L727510
Benzo(a)anthracene	**0.235**	mg/Kg - dry	0.000598	0.000813	1	01/11/24 18:57	SMB	L727510

Qualifiers/ Definitions

DF	Dilution Factor	I	Recovery out of range
J	Estimated value	M	Minimum value
MQL	Method Quantitation Limit		

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Project Legends Park

Information : 198 N. Pauline-Memphis, TN
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Report Date : 01/17/2024
Received : 01/10/2024

Rebekah Ross
Project Manager

Report Number : **24-010-0197**

REPORT OF ANALYSIS

Lab No : **99321**
Sample ID : **LEGSSB28C-01**

Matrix: **Solids**
Sampled: **1/10/2024 11:40**

Analytical Method: 8270D SIM **Prep Batch(es):** **L727270** 01/11/24 09:59
Prep Method: 3550B

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Batch
Benzo(a)pyrene	**0.246**	mg/Kg - dry	0.000567	0.000813	1	01/11/24 18:57	SMB	L727510
Benzo(b)fluoranthene	**0.225**	mg/Kg - dry	0.000709	0.000813	1	01/11/24 18:57	SMB	L727510
Benzo(g,h,i)perylene	**0.126**	mg/Kg - dry	0.000775	0.000813	1	01/11/24 18:57	SMB	L727510
Benzo(k)fluoranthene	**0.0851**	mg/Kg - dry	0.000530	0.000813	1	01/11/24 18:57	SMB	L727510
Chrysene	**0.248**	mg/Kg - dry	0.000757	0.000813	1	01/11/24 18:57	SMB	L727510
Dibenz(a,h)anthracene	**0.0487**	mg/Kg - dry	0.000745	0.000813	1	01/11/24 18:57	SMB	L727510
Fluoranthene	**0.404**	mg/Kg - dry	0.000478	0.000813	1	01/11/24 18:57	SMB	L727510
Fluorene	**0.0103**	mg/Kg - dry	0.000347	0.000813	1	01/11/24 18:57	SMB	L727510
Indeno(1,2,3-cd)pyrene	**0.155**	mg/Kg - dry	0.000760	0.000813	1	01/11/24 18:57	SMB	L727510
2-Methylnaphthalene	**0.00317**	mg/Kg - dry	0.00235	0.00244	1	01/11/24 18:57	SMB	L727510
Naphthalene	**0.00771**	mg/Kg - dry	0.00176	0.00244	1	01/11/24 18:57	SMB	L727510
Phenanthrene	**0.225**	mg/Kg - dry	0.000510	0.000813	1	01/11/24 18:57	SMB	L727510
Pyrene	**0.335**	mg/Kg - dry	0.000780	0.000813	1	01/11/24 18:57	SMB	L727510
Surrogate: 2-Fluorobiphenyl	41.9	Limits: 33-115%			1	01/11/24 18:57	SMB	L727510
Surrogate: Nitrobenzene-d5	40.4	Limits: 29-110%			1	01/11/24 18:57	SMB	L727510
Surrogate: 4-Terphenyl-d14	43.5	Limits: 33-122%			1	01/11/24 18:57	SMB	L727510

Analytical Method: TN EPH **Prep Batch(es):** **L727448** 01/12/24 06:37
Prep Method: 3550B

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Batch
Diesel Range Organics (C10-C28)	**12.0**	mg/Kg - dry	3.64	4.00	1	01/13/24 03:50	MMK	L727712
Oil Range Organics (>C28-C40)	**17.5**	mg/Kg - dry	3.64	4.00	1	01/13/24 03:50	MMK	L727712

Qualifiers/ Definitions

DF	Dilution Factor	I	Recovery out of range
J	Estimated value	M	Minimum value
MQL	Method Quantitation Limit		

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Project Legends Park

Information : 198 N. Pauline-Memphis, TN
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Report Date : 01/17/2024
Received : 01/10/2024

Rebekah Ross
Project Manager

Report Number : **24-010-0197**

REPORT OF ANALYSIS

Lab No : **99321**
Sample ID : **LEGSSB28C-01**

Matrix: **Solids**
Sampled: **1/10/2024 11:40**

Analytical Method: TN EPH **Prep Batch(es):** **L727448** 01/12/24 06:37
Prep Method: 3550B

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Batch
TN EPH (C10-C40)	**29.5**	mg/Kg - dry	3.64	4.00	1	01/13/24 03:50		L727712
Surrogate: OTP Surrogate	95.0		Limits: 50-150%		10	01/12/24 17:44	MMK	TN EPH

Qualifiers/ Definitions

DF	Dilution Factor	I	Recovery out of range
J	Estimated value	M	Minimum value
MQL	Method Quantitation Limit		

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Report Date : 01/17/2024
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Rebekah Ross
Project Manager

Report Number : **24-010-0197**

REPORT OF ANALYSIS

Lab No : **99322**
Sample ID : **LEGSSB28C-02**

Matrix: **Solids**
Sampled: **1/10/2024 11:40**

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Method
Moisture	**18.9**	%	0	0.050	1	01/11/24 11:33	A.B	SW-DRYWT
Arsenic	**16.2**	mg/Kg - dry	0.308	0.616	1	01/12/24 20:36	JTR	6010D
Barium	**261**	mg/Kg - dry	0.184	0.616	1	01/12/24 20:36	JTR	6010D
Cadmium	**1.69**	mg/Kg - dry	0.0616	0.123	1	01/12/24 20:36	JTR	6010D
Chromium	**17.4**	mg/Kg - dry	0.308	0.308	1	01/12/24 20:36	JTR	6010D
Lead	**482**	mg/Kg - dry	0.246	0.369	1	01/12/24 20:36	JTR	6010D
Mercury	**1.05**	mg/Kg - dry	0.0252	0.208	1	01/16/24 11:20	MRE	7471A
Selenium	<0.431	mg/Kg - dry	0.431	0.616	1	01/12/24 20:36	JTR	6010D
Silver	**0.597**	mg/Kg - dry	0.247	0.308	1	01/12/24 20:36	JTR	6010D

Qualifiers/ Definitions

DF	Dilution Factor	I	Recovery out of range
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MQL	Method Quantitation Limit		

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Report Date : 01/17/2024
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Rebekah Ross
Project Manager

Report Number : **24-010-0197**

REPORT OF ANALYSIS

Lab No : **99322**
Sample ID : **LEGSSB28C-02**

Matrix: **Solids**
Sampled: **1/10/2024 11:40**

Analytical Method: 8260B **Prep Batch(es):** **L727773** 01/15/24 09:04 **L727933** 01/16/24 08:42
Prep Method: 5035

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Batch
Acetone	**0.0382 J**	mg/Kg - dry	0.0053	0.0493	1	01/15/24 17:51	ASH	L727826
Acetonitrile	<0.0643	mg/Kg - dry	0.0643	0.247	1	01/15/24 17:51	ASH	L727826
Acrolein	<0.0101	mg/Kg - dry	0.0101	0.0493	1	01/15/24 17:51	ASH	L727826
Acrylonitrile	<0.0046	mg/Kg - dry	0.0046	0.0493	1	01/15/24 17:51	ASH	L727826
Benzene	<0.0004	mg/Kg - dry	0.0004	0.0024	1	01/15/24 17:51	ASH	L727826
Bromobenzene	<0.0009	mg/Kg - dry	0.0009	0.0024	1	01/15/24 17:51	ASH	L727826
Bromochloromethane	<0.0005	mg/Kg - dry	0.0005	0.0024	1	01/15/24 17:51	ASH	L727826
Bromodichloromethane	<0.0009	mg/Kg - dry	0.0009	0.0024	1	01/15/24 17:51	ASH	L727826
Bromoform	<0.0016	mg/Kg - dry	0.0016	0.0024	1	01/15/24 17:51	ASH	L727826
Bromomethane	<0.0019	mg/Kg - dry	0.0019	0.0024	1	01/15/24 17:51	ASH	L727826
Methyl Ethyl Ketone (MEK)	<0.0047	mg/Kg - dry	0.0047	0.0493	1	01/15/24 17:51	ASH	L727826
n-Butylbenzene	<0.0011	mg/Kg - dry	0.0011	0.0024	1	01/15/24 17:51	ASH	L727826
sec-Butyl benzene	<0.0011	mg/Kg - dry	0.0011	0.0024	1	01/15/24 17:51	ASH	L727826
tert-Butyl benzene	<0.0009	mg/Kg - dry	0.0009	0.0024	1	01/15/24 17:51	ASH	L727826
Carbon Disulfide	<0.0035	mg/Kg - dry	0.0035	0.0123	1	01/15/24 17:51	ASH	L727826
Carbon Tetrachloride	<0.0005	mg/Kg - dry	0.0005	0.0024	1	01/15/24 17:51	ASH	L727826
Chlorobenzene	<0.0009	mg/Kg - dry	0.0009	0.0024	1	01/15/24 17:51	ASH	L727826
Chlorodibromomethane	<0.0012	mg/Kg - dry	0.0012	0.0024	1	01/15/24 17:51	ASH	L727826
Chloroethane	<0.0010	mg/Kg - dry	0.0010	0.0024	1	01/15/24 17:51	ASH	L727826
Chloroform	<0.0006	mg/Kg - dry	0.0006	0.0024	1	01/15/24 17:51	ASH	L727826
Chloromethane	<0.0008	mg/Kg - dry	0.0008	0.0024	1	01/15/24 17:51	ASH	L727826
2-Chlorotoluene	<0.0012	mg/Kg - dry	0.0012	0.0024	1	01/15/24 17:51	ASH	L727826

Qualifiers/ Definitions

DF	Dilution Factor	I	Recovery out of range
J	Estimated value	M	Minimum value
MQL	Method Quantitation Limit		

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Report Date : 01/17/2024
Received : 01/10/2024

Rebekah Ross
Project Manager

Report Number : **24-010-0197**

REPORT OF ANALYSIS

Lab No : **99322**
Sample ID : **LEGSSB28C-02**

Matrix: **Solids**
Sampled: **1/10/2024 11:40**

Analytical Method: 8260B **Prep Batch(es):** **L727773** 01/15/24 09:04 **L727933** 01/16/24 08:42
Prep Method: 5035

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Batch
4-Chlorotoluene	<0.0013	mg/Kg - dry	0.0013	0.0024	1	01/15/24 17:51	ASH	L727826
1,2-Dibromo-3-Chloropropane	<0.0081	mg/Kg - dry	0.0081	0.0123	1	01/15/24 17:51	ASH	L727826
1,2-Dibromoethane	<0.0011	mg/Kg - dry	0.0011	0.0024	1	01/15/24 17:51	ASH	L727826
Dibromomethane	<0.0008	mg/Kg - dry	0.0008	0.0024	1	01/15/24 17:51	ASH	L727826
1,2-Dichlorobenzene	<0.0017	mg/Kg - dry	0.0017	0.0024	1	01/15/24 17:51	ASH	L727826
1,3-Dichlorobenzene	<0.0016	mg/Kg - dry	0.0016	0.0024	1	01/15/24 17:51	ASH	L727826
1,4-Dichlorobenzene	<0.0018	mg/Kg - dry	0.0018	0.0024	1	01/15/24 17:51	ASH	L727826
Dichlorodifluoromethane	<0.0023	mg/Kg - dry	0.0023	0.0024	1	01/15/24 17:51	ASH	L727826
1,1-Dichloroethane	<0.0004	mg/Kg - dry	0.0004	0.0024	1	01/15/24 17:51	ASH	L727826
1,2-Dichloroethane	<0.0005	mg/Kg - dry	0.0005	0.0024	1	01/15/24 17:51	ASH	L727826
1,1-Dichloroethene	<0.0007	mg/Kg - dry	0.0007	0.0024	1	01/15/24 17:51	ASH	L727826
cis-1,2-Dichloroethene	<0.0006	mg/Kg - dry	0.0006	0.0024	1	01/16/24 14:27	ASH	L727950
trans-1,2-Dichloroethene	<0.0003	mg/Kg - dry	0.0003	0.0024	1	01/15/24 17:51	ASH	L727826
1,2-Dichloroethene (Total)	<0.0003	mg/Kg - dry	0.0003	0.0024	1	01/15/24 17:51		L727950
1,2-Dichloropropane	<0.0008	mg/Kg - dry	0.0008	0.0024	1	01/15/24 17:51	ASH	L727826
1,3-Dichloropropane	<0.0011	mg/Kg - dry	0.0011	0.0024	1	01/15/24 17:51	ASH	L727826
2,2-Dichloropropane	<0.0007	mg/Kg - dry	0.0007	0.0024	1	01/15/24 17:51	ASH	L727826
1,1-Dichloropropene	<0.0004	mg/Kg - dry	0.0004	0.0024	1	01/15/24 17:51	ASH	L727826
cis-1,3-Dichloropropene	<0.0009	mg/Kg - dry	0.0009	0.0024	1	01/15/24 17:51	ASH	L727826
trans-1,3-Dichloropropene	<0.0009	mg/Kg - dry	0.0009	0.0024	1	01/15/24 17:51	ASH	L727826
Ethyl Acetate	<0.0074	mg/Kg - dry	0.0074	0.0493	1	01/15/24 17:51	ASH	L727826
Ethylbenzene	<0.0007	mg/Kg - dry	0.0007	0.0024	1	01/15/24 17:51	ASH	L727826

Qualifiers/ Definitions

DF	Dilution Factor	I	Recovery out of range
J	Estimated value	M	Minimum value
MQL	Method Quantitation Limit		

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Project Legends Park
Information : 198 N. Pauline-Memphis, TN
Project No. 0888836801

Report Date : 01/17/2024
Received : 01/10/2024

Rebekah Ross
Project Manager

Report Number : **24-010-0197**

REPORT OF ANALYSIS

Lab No : **99322**
Sample ID : **LEGSSB28C-02**

Matrix: **Solids**
Sampled: **1/10/2024 11:40**

Analytical Method: 8260B **Prep Batch(es):** **L727773** 01/15/24 09:04 **L727933** 01/16/24 08:42
Prep Method: 5035

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Batch
Hexachlorobutadiene	<0.0011	mg/Kg - dry	0.0011	0.0024	1	01/15/24 17:51	ASH	L727826
2-Hexanone	<0.0074	mg/Kg - dry	0.0074	0.0123	1	01/15/24 17:51	ASH	L727826
Iodomethane	<0.0056	mg/Kg - dry	0.0056	0.0123	1	01/15/24 17:51	ASH	L727826
Isopropylbenzene	<0.0009	mg/Kg - dry	0.0009	0.0024	1	01/15/24 17:51	ASH	L727826
4-Isopropyl toluene	<0.0012	mg/Kg - dry	0.0012	0.0024	1	01/15/24 17:51	ASH	L727826
4-Methyl-2-Pentanone	<0.0072	mg/Kg - dry	0.0072	0.0123	1	01/15/24 17:51	ASH	L727826
Methylene Chloride	<0.0034	mg/Kg - dry	0.0034	0.0123	1	01/15/24 17:51	ASH	L727826
Methyl tert-butyl ether (MTBE)	<0.0007	mg/Kg - dry	0.0007	0.0024	1	01/15/24 17:51	ASH	L727826
m,p-Xylene	<0.0017	mg/Kg - dry	0.0017	0.0049	1	01/15/24 17:51	ASH	L727826
Naphthalene	<0.0078	mg/Kg - dry	0.0078	0.0123	1	01/15/24 17:51	ASH	L727826
o-Xylene	<0.0009	mg/Kg - dry	0.0009	0.0024	1	01/15/24 17:51	ASH	L727826
n-Propyl acetate	<0.0083	mg/Kg - dry	0.0083	0.0123	1	01/15/24 17:51	ASH	L727826
n-Propylbenzene	<0.0007	mg/Kg - dry	0.0007	0.0024	1	01/15/24 17:51	ASH	L727826
Styrene	<0.0014	mg/Kg - dry	0.0014	0.0024	1	01/15/24 17:51	ASH	L727826
1,1,1,2-Tetrachloroethane	<0.0010	mg/Kg - dry	0.0010	0.0024	1	01/15/24 17:51	ASH	L727826
1,1,2,2-Tetrachloroethane	<0.0023	mg/Kg - dry	0.0023	0.0024	1	01/15/24 17:51	ASH	L727826
Tetrachloroethene	<0.0009	mg/Kg - dry	0.0009	0.0024	1	01/15/24 17:51	ASH	L727826
Toluene	<0.0040	mg/Kg - dry	0.0040	0.0049	1	01/15/24 17:51	ASH	L727826
1,2,3-Trichlorobenzene	<0.0024	mg/Kg - dry	0.0024	0.0024	1	01/15/24 17:51	ASH	L727826
1,2,4-Trichlorobenzene	<0.0013	mg/Kg - dry	0.0013	0.0024	1	01/15/24 17:51	ASH	L727826
1,1,1-Trichloroethane	<0.0004	mg/Kg - dry	0.0004	0.0024	1	01/15/24 17:51	ASH	L727826
1,1,2-Trichloroethane	<0.0012	mg/Kg - dry	0.0012	0.0024	1	01/15/24 17:51	ASH	L727826

Qualifiers/ Definitions

DF	Dilution Factor	I	Recovery out of range
J	Estimated value	M	Minimum value
MQL	Method Quantitation Limit		

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Project Legends Park
Information : 198 N. Pauline-Memphis, TN
Project No. 0888836801

Report Date : 01/17/2024
Received : 01/10/2024

Rebekah Ross
Project Manager

Report Number : **24-010-0197**

REPORT OF ANALYSIS

Lab No : **99322**
Sample ID : **LEGSSB28C-02**

Matrix: **Solids**
Sampled: **1/10/2024 11:40**

Analytical Method: 8260B **Prep Batch(es):** **L727773** 01/15/24 09:04 **L727933** 01/16/24 08:42
Prep Method: 5035

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Batch
Trichloroethene	<0.0011	mg/Kg - dry	0.0011	0.0024	1	01/15/24 17:51	ASH	L727826
Trichlorofluoromethane	<0.0010	mg/Kg - dry	0.0010	0.0024	1	01/15/24 17:51	ASH	L727826
1,2,3-Trichloropropane	<0.0018	mg/Kg - dry	0.0018	0.0024	1	01/15/24 17:51	ASH	L727826
1,2,4-Trimethylbenzene	<0.0009	mg/Kg - dry	0.0009	0.0024	1	01/15/24 17:51	ASH	L727826
1,3,5-Trimethylbenzene	<0.0011	mg/Kg - dry	0.0011	0.0024	1	01/15/24 17:51	ASH	L727826
Vinyl Acetate	<0.0049	mg/Kg - dry	0.0049	0.0493	1	01/15/24 17:51	ASH	L727826
Vinyl Chloride	<0.0009	mg/Kg - dry	0.0009	0.0024	1	01/15/24 17:51	ASH	L727826
Xylene (Total)	<0.0009	mg/Kg - dry	0.0009	0.0024	1	01/15/24 17:51		L727826
Surrogate: 4-Bromofluorobenzene	86.8		Limits: 60-140%		1	01/15/24 17:51	ASH	L727826
Surrogate: 1,2-Dichloroethane - d4	81.8		Limits: 60-140%		1	01/15/24 17:51	ASH	L727826
Surrogate: Toluene-d8	82.4		Limits: 60-140%		1	01/15/24 17:51	ASH	L727826
Surrogate: 4-Bromofluorobenzene	84.1		Limits: 60-140%		1	01/16/24 14:27	ASH	L727950
Surrogate: 1,2-Dichloroethane - d4	75.8		Limits: 60-140%		1	01/16/24 14:27	ASH	L727950
Surrogate: Toluene-d8	81.3		Limits: 60-140%		1	01/16/24 14:27	ASH	L727950

Analytical Method: 8270D SIM **Prep Batch(es):** **L727270** 01/11/24 09:59
Prep Method: 3550B

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Batch
Acenaphthene	**0.0215**	mg/Kg - dry	0.000374	0.000826	1	01/11/24 19:13	SMB	L727510
Acenaphthylene	**0.0514**	mg/Kg - dry	0.000332	0.000826	1	01/11/24 19:13	SMB	L727510
Anthracene	**0.0575**	mg/Kg - dry	0.000411	0.000826	1	01/11/24 19:13	SMB	L727510
Benzo(a)anthracene	**0.460**	mg/Kg - dry	0.000607	0.000826	1	01/11/24 19:13	SMB	L727510

Qualifiers/ Definitions

DF	Dilution Factor	I	Recovery out of range
J	Estimated value	M	Minimum value
MQL	Method Quantitation Limit		

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Report Date : 01/17/2024
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Rebekah Ross
Project Manager

Report Number : **24-010-0197**

REPORT OF ANALYSIS

Lab No : **99322**
Sample ID : **LEGSSB28C-02**

Matrix: **Solids**
Sampled: **1/10/2024 11:40**

Analytical Method: 8270D SIM **Prep Batch(es):** **L727270** 01/11/24 09:59
Prep Method: 3550B

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Batch
Benzo(a)pyrene	**0.576**	mg/Kg - dry	0.000577	0.000826	1	01/11/24 19:13	SMB	L727510
Benzo(b)fluoranthene	**0.535**	mg/Kg - dry	0.000721	0.000826	1	01/11/24 19:13	SMB	L727510
Benzo(g,h,i)perylene	**0.419**	mg/Kg - dry	0.000787	0.000826	1	01/11/24 19:13	SMB	L727510
Benzo(k)fluoranthene	**0.227**	mg/Kg - dry	0.000538	0.000826	1	01/11/24 19:13	SMB	L727510
Chrysene	**0.649**	mg/Kg - dry	0.000769	0.000826	1	01/11/24 19:13	SMB	L727510
Dibenz(a,h)anthracene	**0.132**	mg/Kg - dry	0.000757	0.000826	1	01/11/24 19:13	SMB	L727510
Fluoranthene	**1.14**	mg/Kg - dry	0.00243	0.00413	5	01/12/24 17:30	SMB	L727510
Fluorene	**0.0245**	mg/Kg - dry	0.000352	0.000826	1	01/11/24 19:13	SMB	L727510
Indeno(1,2,3-cd)pyrene	**0.418**	mg/Kg - dry	0.000773	0.000826	1	01/11/24 19:13	SMB	L727510
2-Methylnaphthalene	**0.0358**	mg/Kg - dry	0.00239	0.00248	1	01/11/24 19:13	SMB	L727510
Naphthalene	**0.0327**	mg/Kg - dry	0.00179	0.00248	1	01/11/24 19:13	SMB	L727510
Phenanthrene	**0.545**	mg/Kg - dry	0.000519	0.000826	1	01/11/24 19:13	SMB	L727510
Pyrene	**1.00**	mg/Kg - dry	0.00397	0.00413	5	01/12/24 17:30	SMB	L727510
Surrogate: 2-Fluorobiphenyl	41.7	Limits: 33-115%			1	01/11/24 19:13	SMB	L727510
Surrogate: Nitrobenzene-d5	40.8	Limits: 29-110%			1	01/11/24 19:13	SMB	L727510
Surrogate: 4-Terphenyl-d14	44.4	Limits: 33-122%			1	01/11/24 19:13	SMB	L727510

Analytical Method: TN EPH **Prep Batch(es):** **L727448** 01/12/24 06:37
Prep Method: 3550B

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Batch
Diesel Range Organics (C10-C28)	**80.1**	mg/Kg - dry	3.70	4.07	1	01/13/24 04:13	MMK	L727712
Oil Range Organics (>C28-C40)	**109**	mg/Kg - dry	37.0	40.7	10	01/12/24 18:30	MMK	L727712

Qualifiers/ Definitions

DF	Dilution Factor	I	Recovery out of range
J	Estimated value	M	Minimum value
MQL	Method Quantitation Limit		

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Project Legends Park

Information : 198 N. Pauline-Memphis, TN
Project No. 0888836801

Report Date : 01/17/2024
Received : 01/10/2024

Rebekah Ross
Project Manager

Report Number : **24-010-0197**

REPORT OF ANALYSIS

Lab No : **99322**
Sample ID : **LEGSSB28C-02**

Matrix: **Solids**
Sampled: **1/10/2024 11:40**

Analytical Method: TN EPH **Prep Batch(es):** **L727448** 01/12/24 06:37
Prep Method: 3550B

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Batch
TN EPH (C10-C40)	**190**	mg/Kg - dry	3.70	4.07	1	01/12/24 18:30		L727712
Surrogate: OTP Surrogate	134		Limits: 50-150%		10	01/12/24 18:30	MMK	TN EPH

Qualifiers/ Definitions

DF	Dilution Factor	I	Recovery out of range
J	Estimated value	M	Minimum value
MQL	Method Quantitation Limit		

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Report Date : 01/17/2024
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Rebekah Ross
Project Manager

Report Number : **24-010-0197**

REPORT OF ANALYSIS

Lab No : **99323**
Sample ID : **LEGSSB28C-03**

Matrix: **Solids**
Sampled: **1/10/2024 11:40**

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Method
Moisture	**19.2**	%	0	0.050	1	01/11/24 11:33	A.B	SW-DRYWT
Arsenic	**11.3**	mg/Kg - dry	0.309	0.618	1	01/12/24 20:41	JTR	6010D
Barium	**131**	mg/Kg - dry	0.185	0.618	1	01/12/24 20:41	JTR	6010D
Cadmium	**0.530**	mg/Kg - dry	0.0618	0.124	1	01/12/24 20:41	JTR	6010D
Chromium	**15.3**	mg/Kg - dry	0.309	0.309	1	01/12/24 20:41	JTR	6010D
Lead	**70.2**	mg/Kg - dry	0.247	0.371	1	01/12/24 20:41	JTR	6010D
Mercury	**0.152 J**	mg/Kg - dry	0.0275	0.228	1	01/16/24 11:22	MRE	7471A
Selenium	<0.433	mg/Kg - dry	0.433	0.618	1	01/12/24 20:41	JTR	6010D
Silver	**0.288 J**	mg/Kg - dry	0.248	0.309	1	01/12/24 20:41	JTR	6010D

Qualifiers/ Definitions

DF	Dilution Factor	I	Recovery out of range
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MQL	Method Quantitation Limit		

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Rebekah Ross
Project Manager

Report Number : **24-010-0197**

REPORT OF ANALYSIS

Lab No : **99323**
Sample ID : **LEGSSB28C-03**

Matrix: **Solids**
Sampled: **1/10/2024 11:40**

Analytical Method: 8260B **Prep Batch(es):** **L727773** 01/15/24 09:04
Prep Method: 5035

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Batch
Acetone	**0.0754**	mg/Kg - dry	0.0053	0.0495	1	01/15/24 18:33	ASH	L727826
Acetonitrile	<0.0646	mg/Kg - dry	0.0646	0.248	1	01/15/24 18:33	ASH	L727826
Acrolein	<0.0102	mg/Kg - dry	0.0102	0.0495	1	01/15/24 18:33	ASH	L727826
Acrylonitrile	<0.0046	mg/Kg - dry	0.0046	0.0495	1	01/15/24 18:33	ASH	L727826
Benzene	<0.0004	mg/Kg - dry	0.0004	0.0024	1	01/15/24 18:33	ASH	L727826
Bromobenzene	<0.0009	mg/Kg - dry	0.0009	0.0024	1	01/15/24 18:33	ASH	L727826
Bromochloromethane	<0.0005	mg/Kg - dry	0.0005	0.0024	1	01/15/24 18:33	ASH	L727826
Bromodichloromethane	<0.0009	mg/Kg - dry	0.0009	0.0024	1	01/15/24 18:33	ASH	L727826
Bromoform	<0.0016	mg/Kg - dry	0.0016	0.0024	1	01/15/24 18:33	ASH	L727826
Bromomethane	<0.0019	mg/Kg - dry	0.0019	0.0024	1	01/15/24 18:33	ASH	L727826
Methyl Ethyl Ketone (MEK)	<0.0047	mg/Kg - dry	0.0047	0.0495	1	01/15/24 18:33	ASH	L727826
n-Butylbenzene	<0.0011	mg/Kg - dry	0.0011	0.0024	1	01/15/24 18:33	ASH	L727826
sec-Butyl benzene	<0.0011	mg/Kg - dry	0.0011	0.0024	1	01/15/24 18:33	ASH	L727826
tert-Butyl benzene	<0.0009	mg/Kg - dry	0.0009	0.0024	1	01/15/24 18:33	ASH	L727826
Carbon Disulfide	<0.0035	mg/Kg - dry	0.0035	0.0123	1	01/15/24 18:33	ASH	L727826
Carbon Tetrachloride	<0.0005	mg/Kg - dry	0.0005	0.0024	1	01/15/24 18:33	ASH	L727826
Chlorobenzene	<0.0009	mg/Kg - dry	0.0009	0.0024	1	01/15/24 18:33	ASH	L727826
Chlorodibromomethane	<0.0012	mg/Kg - dry	0.0012	0.0024	1	01/15/24 18:33	ASH	L727826
Chloroethane	<0.0010	mg/Kg - dry	0.0010	0.0024	1	01/15/24 18:33	ASH	L727826
Chloroform	<0.0006	mg/Kg - dry	0.0006	0.0024	1	01/15/24 18:33	ASH	L727826
Chloromethane	<0.0008	mg/Kg - dry	0.0008	0.0024	1	01/15/24 18:33	ASH	L727826
2-Chlorotoluene	<0.0012	mg/Kg - dry	0.0012	0.0024	1	01/15/24 18:33	ASH	L727826

Qualifiers/ Definitions

DF	Dilution Factor	I	Recovery out of range
J	Estimated value	M	Minimum value
MQL	Method Quantitation Limit		

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Report Date : 01/17/2024
Received : 01/10/2024

Rebekah Ross
Project Manager

Report Number : **24-010-0197**

REPORT OF ANALYSIS

Lab No : **99323**
Sample ID : **LEGSSB28C-03**

Matrix: **Solids**
Sampled: **1/10/2024 11:40**

Analytical Method: 8260B **Prep Batch(es):** **L727773** 01/15/24 09:04
Prep Method: 5035

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Batch
4-Chlorotoluene	<0.0013	mg/Kg - dry	0.0013	0.0024	1	01/15/24 18:33	ASH	L727826
1,2-Dibromo-3-Chloropropane	<0.0081	mg/Kg - dry	0.0081	0.0123	1	01/15/24 18:33	ASH	L727826
1,2-Dibromoethane	<0.0011	mg/Kg - dry	0.0011	0.0024	1	01/15/24 18:33	ASH	L727826
Dibromomethane	<0.0008	mg/Kg - dry	0.0008	0.0024	1	01/15/24 18:33	ASH	L727826
1,2-Dichlorobenzene	<0.0017	mg/Kg - dry	0.0017	0.0024	1	01/15/24 18:33	ASH	L727826
1,3-Dichlorobenzene	<0.0016	mg/Kg - dry	0.0016	0.0024	1	01/15/24 18:33	ASH	L727826
1,4-Dichlorobenzene	<0.0018	mg/Kg - dry	0.0018	0.0024	1	01/15/24 18:33	ASH	L727826
Dichlorodifluoromethane	<0.0023	mg/Kg - dry	0.0023	0.0024	1	01/15/24 18:33	ASH	L727826
1,1-Dichloroethane	<0.0004	mg/Kg - dry	0.0004	0.0024	1	01/15/24 18:33	ASH	L727826
1,2-Dichloroethane	<0.0005	mg/Kg - dry	0.0005	0.0024	1	01/15/24 18:33	ASH	L727826
1,1-Dichloroethene	<0.0007	mg/Kg - dry	0.0007	0.0024	1	01/15/24 18:33	ASH	L727826
cis-1,2-Dichloroethene	<0.0006	mg/Kg - dry	0.0006	0.0024	1	01/15/24 18:33	ASH	L727826
trans-1,2-Dichloroethene	<0.0003	mg/Kg - dry	0.0003	0.0024	1	01/15/24 18:33	ASH	L727826
1,2-Dichloroethene (Total)	<0.0003	mg/Kg - dry	0.0003	0.0024	1	01/15/24 18:33		L727826
1,2-Dichloropropane	<0.0008	mg/Kg - dry	0.0008	0.0024	1	01/15/24 18:33	ASH	L727826
1,3-Dichloropropane	<0.0011	mg/Kg - dry	0.0011	0.0024	1	01/15/24 18:33	ASH	L727826
2,2-Dichloropropane	<0.0007	mg/Kg - dry	0.0007	0.0024	1	01/15/24 18:33	ASH	L727826
1,1-Dichloropropene	<0.0004	mg/Kg - dry	0.0004	0.0024	1	01/15/24 18:33	ASH	L727826
cis-1,3-Dichloropropene	<0.0009	mg/Kg - dry	0.0009	0.0024	1	01/15/24 18:33	ASH	L727826
trans-1,3-Dichloropropene	<0.0009	mg/Kg - dry	0.0009	0.0024	1	01/15/24 18:33	ASH	L727826
Ethyl Acetate	<0.0074	mg/Kg - dry	0.0074	0.0495	1	01/15/24 18:33	ASH	L727826
Ethylbenzene	<0.0007	mg/Kg - dry	0.0007	0.0024	1	01/15/24 18:33	ASH	L727826

Qualifiers/ Definitions

DF	Dilution Factor	I	Recovery out of range
J	Estimated value	M	Minimum value
MQL	Method Quantitation Limit		

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Project Legends Park
Information : 198 N. Pauline-Memphis, TN
Project No. 0888836801

Report Date : 01/17/2024
Received : 01/10/2024

Rebekah Ross
Project Manager

Report Number : **24-010-0197**

REPORT OF ANALYSIS

Lab No : **99323**
Sample ID : **LEGSSB28C-03**

Matrix: **Solids**
Sampled: **1/10/2024 11:40**

Analytical Method: 8260B **Prep Batch(es):** **L727773** 01/15/24 09:04
Prep Method: 5035

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Batch
Hexachlorobutadiene	<0.0011	mg/Kg - dry	0.0011	0.0024	1	01/15/24 18:33	ASH	L727826
2-Hexanone	<0.0074	mg/Kg - dry	0.0074	0.0123	1	01/15/24 18:33	ASH	L727826
Iodomethane	<0.0056	mg/Kg - dry	0.0056	0.0123	1	01/15/24 18:33	ASH	L727826
Isopropylbenzene	<0.0009	mg/Kg - dry	0.0009	0.0024	1	01/15/24 18:33	ASH	L727826
4-Isopropyl toluene	<0.0012	mg/Kg - dry	0.0012	0.0024	1	01/15/24 18:33	ASH	L727826
4-Methyl-2-Pentanone	<0.0072	mg/Kg - dry	0.0072	0.0123	1	01/15/24 18:33	ASH	L727826
Methylene Chloride	<0.0034	mg/Kg - dry	0.0034	0.0123	1	01/15/24 18:33	ASH	L727826
Methyl tert-butyl ether (MTBE)	<0.0007	mg/Kg - dry	0.0007	0.0024	1	01/15/24 18:33	ASH	L727826
m,p-Xylene	<0.0017	mg/Kg - dry	0.0017	0.0049	1	01/15/24 18:33	ASH	L727826
Naphthalene	<0.0078	mg/Kg - dry	0.0078	0.0123	1	01/15/24 18:33	ASH	L727826
o-Xylene	<0.0009	mg/Kg - dry	0.0009	0.0024	1	01/15/24 18:33	ASH	L727826
n-Propyl acetate	<0.0083	mg/Kg - dry	0.0083	0.0123	1	01/15/24 18:33	ASH	L727826
n-Propylbenzene	<0.0007	mg/Kg - dry	0.0007	0.0024	1	01/15/24 18:33	ASH	L727826
Styrene	<0.0014	mg/Kg - dry	0.0014	0.0024	1	01/15/24 18:33	ASH	L727826
1,1,1,2-Tetrachloroethane	<0.0011	mg/Kg - dry	0.0011	0.0024	1	01/15/24 18:33	ASH	L727826
1,1,2,2-Tetrachloroethane	<0.0023	mg/Kg - dry	0.0023	0.0024	1	01/15/24 18:33	ASH	L727826
Tetrachloroethene	<0.0009	mg/Kg - dry	0.0009	0.0024	1	01/15/24 18:33	ASH	L727826
Toluene	<0.0040	mg/Kg - dry	0.0040	0.0049	1	01/15/24 18:33	ASH	L727826
1,2,3-Trichlorobenzene	<0.0024	mg/Kg - dry	0.0024	0.0024	1	01/15/24 18:33	ASH	L727826
1,2,4-Trichlorobenzene	<0.0013	mg/Kg - dry	0.0013	0.0024	1	01/15/24 18:33	ASH	L727826
1,1,1-Trichloroethane	<0.0004	mg/Kg - dry	0.0004	0.0024	1	01/15/24 18:33	ASH	L727826
1,1,2-Trichloroethane	<0.0012	mg/Kg - dry	0.0012	0.0024	1	01/15/24 18:33	ASH	L727826

Qualifiers/ Definitions

DF	Dilution Factor	I	Recovery out of range
J	Estimated value	M	Minimum value
MQL	Method Quantitation Limit		

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Project Legends Park
Information : 198 N. Pauline-Memphis, TN
Project No. 0888836801

Report Date : 01/17/2024
Received : 01/10/2024

Rebekah Ross
Project Manager

Report Number : **24-010-0197**

REPORT OF ANALYSIS

Lab No : **99323**
Sample ID : **LEGSSB28C-03**

Matrix: **Solids**
Sampled: **1/10/2024 11:40**

Analytical Method: 8260B **Prep Batch(es):** **L727773** 01/15/24 09:04
Prep Method: 5035

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Batch
Trichloroethene	<0.0011	mg/Kg - dry	0.0011	0.0024	1	01/15/24 18:33	ASH	L727826
Trichlorofluoromethane	<0.0011	mg/Kg - dry	0.0011	0.0024	1	01/15/24 18:33	ASH	L727826
1,2,3-Trichloropropane	<0.0018	mg/Kg - dry	0.0018	0.0024	1	01/15/24 18:33	ASH	L727826
1,2,4-Trimethylbenzene	<0.0010	mg/Kg - dry	0.0010	0.0024	1	01/15/24 18:33	ASH	L727826
1,3,5-Trimethylbenzene	<0.0011	mg/Kg - dry	0.0011	0.0024	1	01/15/24 18:33	ASH	L727826
Vinyl Acetate	<0.0050	mg/Kg - dry	0.0050	0.0495	1	01/15/24 18:33	ASH	L727826
Vinyl Chloride	<0.0009	mg/Kg - dry	0.0009	0.0024	1	01/15/24 18:33	ASH	L727826
Xylene (Total)	<0.0009	mg/Kg - dry	0.0009	0.0024	1	01/15/24 18:33		L727826
Surrogate: 4-Bromofluorobenzene	86.5		Limits: 60-140%		1	01/15/24 18:33	ASH	L727826
Surrogate: 1,2-Dichloroethane - d4	78.2		Limits: 60-140%		1	01/15/24 18:33	ASH	L727826
Surrogate: Toluene-d8	82.4		Limits: 60-140%		1	01/15/24 18:33	ASH	L727826

Analytical Method: 8270D SIM **Prep Batch(es):** **L727270** 01/11/24 09:59
Prep Method: 3550B

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Batch
Acenaphthene	**0.00437**	mg/Kg - dry	0.000376	0.000829	1	01/11/24 19:29	SMB	L727510
Acenaphthylene	**0.00728**	mg/Kg - dry	0.000334	0.000829	1	01/11/24 19:29	SMB	L727510
Anthracene	**0.0152**	mg/Kg - dry	0.000413	0.000829	1	01/11/24 19:29	SMB	L727510
Benzo(a)anthracene	**0.144**	mg/Kg - dry	0.000610	0.000829	1	01/11/24 19:29	SMB	L727510
Benzo(a)pyrene	**0.188**	mg/Kg - dry	0.000579	0.000829	1	01/11/24 19:29	SMB	L727510
Benzo(b)fluoranthene	**0.149**	mg/Kg - dry	0.000724	0.000829	1	01/11/24 19:29	SMB	L727510
Benzo(g,h,i)perylene	**0.100**	mg/Kg - dry	0.000790	0.000829	1	01/11/24 19:29	SMB	L727510

Qualifiers/ Definitions

DF	Dilution Factor	I	Recovery out of range
J	Estimated value	M	Minimum value
MQL	Method Quantitation Limit		

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Rebekah Ross
Project Manager

Report Number : **24-010-0197**

REPORT OF ANALYSIS

Lab No : **99323**
Sample ID : **LEGSSB28C-03**

Matrix: **Solids**
Sampled: **1/10/2024 11:40**

Analytical Method: 8270D SIM **Prep Batch(es):** **L727270** 01/11/24 09:59
Prep Method: 3550B

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Batch
Benzo(k)fluoranthene	**0.0595**	mg/Kg - dry	0.000540	0.000829	1	01/11/24 19:29	SMB	L727510
Chrysene	**0.188**	mg/Kg - dry	0.000772	0.000829	1	01/11/24 19:29	SMB	L727510
Dibenz(a,h)anthracene	**0.0405**	mg/Kg - dry	0.000759	0.000829	1	01/11/24 19:29	SMB	L727510
Fluoranthene	**0.292**	mg/Kg - dry	0.000487	0.000829	1	01/11/24 19:29	SMB	L727510
Fluorene	**0.00433**	mg/Kg - dry	0.000353	0.000829	1	01/11/24 19:29	SMB	L727510
Indeno(1,2,3-cd)pyrene	**0.115**	mg/Kg - dry	0.000775	0.000829	1	01/11/24 19:29	SMB	L727510
2-Methylnaphthalene	**0.00528**	mg/Kg - dry	0.00240	0.00249	1	01/11/24 19:29	SMB	L727510
Naphthalene	**0.00417**	mg/Kg - dry	0.00179	0.00249	1	01/11/24 19:29	SMB	L727510
Phenanthrene	**0.124**	mg/Kg - dry	0.000521	0.000829	1	01/11/24 19:29	SMB	L727510
Pyrene	**0.233**	mg/Kg - dry	0.000795	0.000829	1	01/11/24 19:29	SMB	L727510
Surrogate: 2-Fluorobiphenyl	51.5	Limits: 33-115%			1	01/11/24 19:29	SMB	L727510
Surrogate: Nitrobenzene-d5	51.5	Limits: 29-110%			1	01/11/24 19:29	SMB	L727510
Surrogate: 4-Terphenyl-d14	53.1	Limits: 33-122%			1	01/11/24 19:29	SMB	L727510

Analytical Method: TN EPH **Prep Batch(es):** **L727448** 01/12/24 06:37
Prep Method: 3550B

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Batch
Diesel Range Organics (C10-C28)	**14.9**	mg/Kg - dry	3.71	4.08	1	01/13/24 04:37	MMK	L727712
Oil Range Organics (>C28-C40)	**29.5**	mg/Kg - dry	3.71	4.08	1	01/13/24 04:37	MMK	L727712
TN EPH (C10-C40)	**44.3**	mg/Kg - dry	3.71	4.08	1	01/13/24 04:37		L727712
Surrogate: OTP Surrogate	90.8	Limits: 50-150%			10	01/12/24 19:40	MMK	TN EPH

Qualifiers/ Definitions

DF	Dilution Factor
J	Estimated value
MQL	Method Quantitation Limit
I	Recovery out of range
M	Minimum value

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Project Legends Park

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Report Date : 01/17/2024
Received : 01/10/2024

Rebekah Ross
Project Manager

Report Number : **24-010-0197**

REPORT OF ANALYSIS

Lab No : **99324**
Sample ID : **LEGSSB28C-04**

Matrix: **Solids**
Sampled: **1/10/2024 11:40**

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Method
Moisture	**20.5**	%	0	0.050	1	01/11/24 11:33	A.B	SW-DRYWT
Arsenic	**8.94**	mg/Kg - dry	0.314	0.628	1	01/12/24 20:47	JTR	6010D
Barium	**114**	mg/Kg - dry	0.188	0.628	1	01/12/24 20:47	JTR	6010D
Cadmium	**0.469**	mg/Kg - dry	0.0628	0.126	1	01/12/24 20:47	JTR	6010D
Chromium	**14.2**	mg/Kg - dry	0.314	0.314	1	01/12/24 20:47	JTR	6010D
Lead	**39.4**	mg/Kg - dry	0.251	0.377	1	01/12/24 20:47	JTR	6010D
Mercury	**0.113 J**	mg/Kg - dry	0.0258	0.214	1	01/16/24 11:23	MRE	7471A
Selenium	<0.440	mg/Kg - dry	0.440	0.628	1	01/12/24 20:47	JTR	6010D
Silver	<0.252	mg/Kg - dry	0.252	0.314	1	01/12/24 20:47	JTR	6010D

Qualifiers/ Definitions

DF	Dilution Factor	I	Recovery out of range
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MQL	Method Quantitation Limit		

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Report Number : **24-010-0197**

REPORT OF ANALYSIS

Lab No : **99324**
Sample ID : **LEGSSB28C-04**

Matrix: **Solids**
Sampled: **1/10/2024 11:40**

Analytical Method: 8260B **Prep Batch(es):** **L727773** 01/15/24 09:04
Prep Method: 5035

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Batch
Acetone	**0.0680**	mg/Kg - dry	0.0060	0.0553	1	01/15/24 19:16	ASH	L727826
Acetonitrile	<0.0722	mg/Kg - dry	0.0722	0.277	1	01/15/24 19:16	ASH	L727826
Acrolein	<0.0114	mg/Kg - dry	0.0114	0.0553	1	01/15/24 19:16	ASH	L727826
Acrylonitrile	<0.0052	mg/Kg - dry	0.0052	0.0553	1	01/15/24 19:16	ASH	L727826
Benzene	<0.0005	mg/Kg - dry	0.0005	0.0027	1	01/15/24 19:16	ASH	L727826
Bromobenzene	<0.0010	mg/Kg - dry	0.0010	0.0027	1	01/15/24 19:16	ASH	L727826
Bromochloromethane	<0.0005	mg/Kg - dry	0.0005	0.0027	1	01/15/24 19:16	ASH	L727826
Bromodichloromethane	<0.0010	mg/Kg - dry	0.0010	0.0027	1	01/15/24 19:16	ASH	L727826
Bromoform	<0.0018	mg/Kg - dry	0.0018	0.0027	1	01/15/24 19:16	ASH	L727826
Bromomethane	<0.0022	mg/Kg - dry	0.0022	0.0027	1	01/15/24 19:16	ASH	L727826
Methyl Ethyl Ketone (MEK)	<0.0052	mg/Kg - dry	0.0052	0.0553	1	01/15/24 19:16	ASH	L727826
n-Butylbenzene	<0.0012	mg/Kg - dry	0.0012	0.0027	1	01/15/24 19:16	ASH	L727826
sec-Butyl benzene	<0.0012	mg/Kg - dry	0.0012	0.0027	1	01/15/24 19:16	ASH	L727826
tert-Butyl benzene	<0.0010	mg/Kg - dry	0.0010	0.0027	1	01/15/24 19:16	ASH	L727826
Carbon Disulfide	<0.0039	mg/Kg - dry	0.0039	0.0138	1	01/15/24 19:16	ASH	L727826
Carbon Tetrachloride	<0.0005	mg/Kg - dry	0.0005	0.0027	1	01/15/24 19:16	ASH	L727826
Chlorobenzene	<0.0010	mg/Kg - dry	0.0010	0.0027	1	01/15/24 19:16	ASH	L727826
Chlorodibromomethane	<0.0014	mg/Kg - dry	0.0014	0.0027	1	01/15/24 19:16	ASH	L727826
Chloroethane	<0.0011	mg/Kg - dry	0.0011	0.0027	1	01/15/24 19:16	ASH	L727826
Chloroform	<0.0007	mg/Kg - dry	0.0007	0.0027	1	01/15/24 19:16	ASH	L727826
Chloromethane	<0.0009	mg/Kg - dry	0.0009	0.0027	1	01/15/24 19:16	ASH	L727826
2-Chlorotoluene	<0.0013	mg/Kg - dry	0.0013	0.0027	1	01/15/24 19:16	ASH	L727826

Qualifiers/ Definitions

DF	Dilution Factor	I	Recovery out of range
J	Estimated value	M	Minimum value
MQL	Method Quantitation Limit		

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Report Date : 01/17/2024
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Rebekah Ross
Project Manager

Report Number : **24-010-0197**

REPORT OF ANALYSIS

Lab No : **99324**
Sample ID : **LEGSSB28C-04**

Matrix: **Solids**
Sampled: **1/10/2024 11:40**

Analytical Method: 8260B **Prep Batch(es):** **L727773** 01/15/24 09:04
Prep Method: 5035

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Batch
4-Chlorotoluene	<0.0014	mg/Kg - dry	0.0014	0.0027	1	01/15/24 19:16	ASH	L727826
1,2-Dibromo-3-Chloropropane	<0.0091	mg/Kg - dry	0.0091	0.0138	1	01/15/24 19:16	ASH	L727826
1,2-Dibromoethane	<0.0012	mg/Kg - dry	0.0012	0.0027	1	01/15/24 19:16	ASH	L727826
Dibromomethane	<0.0009	mg/Kg - dry	0.0009	0.0027	1	01/15/24 19:16	ASH	L727826
1,2-Dichlorobenzene	<0.0019	mg/Kg - dry	0.0019	0.0027	1	01/15/24 19:16	ASH	L727826
1,3-Dichlorobenzene	<0.0018	mg/Kg - dry	0.0018	0.0027	1	01/15/24 19:16	ASH	L727826
1,4-Dichlorobenzene	<0.0020	mg/Kg - dry	0.0020	0.0027	1	01/15/24 19:16	ASH	L727826
Dichlorodifluoromethane	<0.0026	mg/Kg - dry	0.0026	0.0027	1	01/15/24 19:16	ASH	L727826
1,1-Dichloroethane	<0.0005	mg/Kg - dry	0.0005	0.0027	1	01/15/24 19:16	ASH	L727826
1,2-Dichloroethane	<0.0005	mg/Kg - dry	0.0005	0.0027	1	01/15/24 19:16	ASH	L727826
1,1-Dichloroethene	<0.0008	mg/Kg - dry	0.0008	0.0027	1	01/15/24 19:16	ASH	L727826
cis-1,2-Dichloroethene	<0.0007	mg/Kg - dry	0.0007	0.0027	1	01/15/24 19:16	ASH	L727826
trans-1,2-Dichloroethene	<0.0003	mg/Kg - dry	0.0003	0.0027	1	01/15/24 19:16	ASH	L727826
1,2-Dichloroethene (Total)	<0.0003	mg/Kg - dry	0.0003	0.0027	1	01/15/24 19:16		L727826
1,2-Dichloropropane	<0.0008	mg/Kg - dry	0.0008	0.0027	1	01/15/24 19:16	ASH	L727826
1,3-Dichloropropane	<0.0012	mg/Kg - dry	0.0012	0.0027	1	01/15/24 19:16	ASH	L727826
2,2-Dichloropropane	<0.0008	mg/Kg - dry	0.0008	0.0027	1	01/15/24 19:16	ASH	L727826
1,1-Dichloropropene	<0.0005	mg/Kg - dry	0.0005	0.0027	1	01/15/24 19:16	ASH	L727826
cis-1,3-Dichloropropene	<0.0010	mg/Kg - dry	0.0010	0.0027	1	01/15/24 19:16	ASH	L727826
trans-1,3-Dichloropropene	<0.0010	mg/Kg - dry	0.0010	0.0027	1	01/15/24 19:16	ASH	L727826
Ethyl Acetate	<0.0083	mg/Kg - dry	0.0083	0.0553	1	01/15/24 19:16	ASH	L727826
Ethylbenzene	<0.0008	mg/Kg - dry	0.0008	0.0027	1	01/15/24 19:16	ASH	L727826

Qualifiers/ Definitions

DF	Dilution Factor	I	Recovery out of range
J	Estimated value	M	Minimum value
MQL	Method Quantitation Limit		

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Project Manager

Report Number : **24-010-0197**

REPORT OF ANALYSIS

Lab No : **99324**
Sample ID : **LEGSSB28C-04**

Matrix: **Solids**
Sampled: **1/10/2024 11:40**

Analytical Method: 8260B **Prep Batch(es):** **L727773** 01/15/24 09:04
Prep Method: 5035

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Batch
Hexachlorobutadiene	<0.0012	mg/Kg - dry	0.0012	0.0027	1	01/15/24 19:16	ASH	L727826
2-Hexanone	<0.0083	mg/Kg - dry	0.0083	0.0138	1	01/15/24 19:16	ASH	L727826
Iodomethane	<0.0063	mg/Kg - dry	0.0063	0.0138	1	01/15/24 19:16	ASH	L727826
Isopropylbenzene	<0.0010	mg/Kg - dry	0.0010	0.0027	1	01/15/24 19:16	ASH	L727826
4-Isopropyl toluene	<0.0013	mg/Kg - dry	0.0013	0.0027	1	01/15/24 19:16	ASH	L727826
4-Methyl-2-Pentanone	<0.0081	mg/Kg - dry	0.0081	0.0138	1	01/15/24 19:16	ASH	L727826
Methylene Chloride	<0.0038	mg/Kg - dry	0.0038	0.0138	1	01/15/24 19:16	ASH	L727826
Methyl tert-butyl ether (MTBE)	<0.0008	mg/Kg - dry	0.0008	0.0027	1	01/15/24 19:16	ASH	L727826
m,p-Xylene	**0.0022 J**	mg/Kg - dry	0.0019	0.0055	1	01/15/24 19:16	ASH	L727826
Naphthalene	<0.0087	mg/Kg - dry	0.0087	0.0138	1	01/15/24 19:16	ASH	L727826
o-Xylene	<0.0010	mg/Kg - dry	0.0010	0.0027	1	01/15/24 19:16	ASH	L727826
n-Propyl acetate	<0.0093	mg/Kg - dry	0.0093	0.0138	1	01/15/24 19:16	ASH	L727826
n-Propylbenzene	<0.0008	mg/Kg - dry	0.0008	0.0027	1	01/15/24 19:16	ASH	L727826
Styrene	<0.0016	mg/Kg - dry	0.0016	0.0027	1	01/15/24 19:16	ASH	L727826
1,1,1,2-Tetrachloroethane	<0.0012	mg/Kg - dry	0.0012	0.0027	1	01/15/24 19:16	ASH	L727826
1,1,2,2-Tetrachloroethane	<0.0025	mg/Kg - dry	0.0025	0.0027	1	01/15/24 19:16	ASH	L727826
Tetrachloroethene	<0.0010	mg/Kg - dry	0.0010	0.0027	1	01/15/24 19:16	ASH	L727826
Toluene	<0.0045	mg/Kg - dry	0.0045	0.0055	1	01/15/24 19:16	ASH	L727826
1,2,3-Trichlorobenzene	<0.0027	mg/Kg - dry	0.0027	0.0027	1	01/15/24 19:16	ASH	L727826
1,2,4-Trichlorobenzene	<0.0015	mg/Kg - dry	0.0015	0.0027	1	01/15/24 19:16	ASH	L727826
1,1,1-Trichloroethane	<0.0005	mg/Kg - dry	0.0005	0.0027	1	01/15/24 19:16	ASH	L727826
1,1,2-Trichloroethane	<0.0014	mg/Kg - dry	0.0014	0.0027	1	01/15/24 19:16	ASH	L727826

Qualifiers/ Definitions

DF	Dilution Factor	I	Recovery out of range
J	Estimated value	M	Minimum value
MQL	Method Quantitation Limit		

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Project Legends Park
Information : 198 N. Pauline-Memphis, TN
Project No. 0888836801

Report Date : 01/17/2024
Received : 01/10/2024

Rebekah Ross
Project Manager

Report Number : **24-010-0197**

REPORT OF ANALYSIS

Lab No : **99324**
Sample ID : **LEGSSB28C-04**

Matrix: **Solids**
Sampled: **1/10/2024 11:40**

Analytical Method: 8260B **Prep Batch(es):** **L727773** 01/15/24 09:04
Prep Method: 5035

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Batch
Trichloroethene	<0.0012	mg/Kg - dry	0.0012	0.0027	1	01/15/24 19:16	ASH	L727826
Trichlorofluoromethane	<0.0012	mg/Kg - dry	0.0012	0.0027	1	01/15/24 19:16	ASH	L727826
1,2,3-Trichloropropane	<0.0021	mg/Kg - dry	0.0021	0.0027	1	01/15/24 19:16	ASH	L727826
1,2,4-Trimethylbenzene	<0.0011	mg/Kg - dry	0.0011	0.0027	1	01/15/24 19:16	ASH	L727826
1,3,5-Trimethylbenzene	<0.0012	mg/Kg - dry	0.0012	0.0027	1	01/15/24 19:16	ASH	L727826
Vinyl Acetate	<0.0055	mg/Kg - dry	0.0055	0.0553	1	01/15/24 19:16	ASH	L727826
Vinyl Chloride	<0.0010	mg/Kg - dry	0.0010	0.0027	1	01/15/24 19:16	ASH	L727826
Xylene (Total)	**0.0022 J**	mg/Kg - dry	0.0010	0.0027	1	01/15/24 19:16		L727826
Surrogate: 4-Bromofluorobenzene	85.4		Limits: 60-140%		1	01/15/24 19:16	ASH	L727826
Surrogate: 1,2-Dichloroethane - d4	72.0		Limits: 60-140%		1	01/15/24 19:16	ASH	L727826
Surrogate: Toluene-d8	81.5		Limits: 60-140%		1	01/15/24 19:16	ASH	L727826

Analytical Method: 8270D SIM **Prep Batch(es):** **L727270** 01/11/24 09:59
Prep Method: 3550B

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Batch
Acenaphthene	**0.00275**	mg/Kg - dry	0.000382	0.000842	1	01/11/24 19:45	SMB	L727510
Acenaphthylene	**0.00200**	mg/Kg - dry	0.000339	0.000842	1	01/11/24 19:45	SMB	L727510
Anthracene	**0.0125**	mg/Kg - dry	0.000420	0.000842	1	01/11/24 19:45	SMB	L727510
Benzo(a)anthracene	**0.0644**	mg/Kg - dry	0.000620	0.000842	1	01/11/24 19:45	SMB	L727510
Benzo(a)pyrene	**0.0779**	mg/Kg - dry	0.000588	0.000842	1	01/11/24 19:45	SMB	L727510
Benzo(b)fluoranthene	**0.0571**	mg/Kg - dry	0.000735	0.000842	1	01/11/24 19:45	SMB	L727510
Benzo(g,h,i)perylene	**0.0421**	mg/Kg - dry	0.000803	0.000842	1	01/11/24 19:45	SMB	L727510

Qualifiers/ Definitions

DF	Dilution Factor	I	Recovery out of range
J	Estimated value	M	Minimum value
MQL	Method Quantitation Limit		

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Project Legends Park

Information : 198 N. Pauline-Memphis, TN
Project No. 0888836801

Report Date : 01/17/2024
Received : 01/10/2024

Rebekah Ross
Project Manager

Report Number : **24-010-0197**

REPORT OF ANALYSIS

Lab No : **99324**
Sample ID : **LEGSSB28C-04**

Matrix: **Solids**
Sampled: **1/10/2024 11:40**

Analytical Method: 8270D SIM **Prep Batch(es):** **L727270** 01/11/24 09:59
Prep Method: 3550B

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Batch
Benzo(k)fluoranthene	**0.0267**	mg/Kg - dry	0.000549	0.000842	1	01/11/24 19:45	SMB	L727510
Chrysene	**0.0747**	mg/Kg - dry	0.000784	0.000842	1	01/11/24 19:45	SMB	L727510
Dibenz(a,h)anthracene	**0.0153**	mg/Kg - dry	0.000772	0.000842	1	01/11/24 19:45	SMB	L727510
Fluoranthene	**0.140**	mg/Kg - dry	0.000495	0.000842	1	01/11/24 19:45	SMB	L727510
Fluorene	**0.00249**	mg/Kg - dry	0.000359	0.000842	1	01/11/24 19:45	SMB	L727510
Indeno(1,2,3-cd)pyrene	**0.0498**	mg/Kg - dry	0.000788	0.000842	1	01/11/24 19:45	SMB	L727510
2-Methylnaphthalene	<0.00244	mg/Kg - dry	0.00244	0.00253	1	01/11/24 19:45	SMB	L727510
Naphthalene	<0.00182	mg/Kg - dry	0.00182	0.00253	1	01/11/24 19:45	SMB	L727510
Phenanthrene	**0.0642**	mg/Kg - dry	0.000529	0.000842	1	01/11/24 19:45	SMB	L727510
Pyrene	**0.113**	mg/Kg - dry	0.000808	0.000842	1	01/11/24 19:45	SMB	L727510
Surrogate: 2-Fluorobiphenyl	45.3		Limits: 33-115%		1	01/11/24 19:45	SMB	L727510
Surrogate: Nitrobenzene-d5	45.0		Limits: 29-110%		1	01/11/24 19:45	SMB	L727510
Surrogate: 4-Terphenyl-d14	50.2		Limits: 33-122%		1	01/11/24 19:45	SMB	L727510

Analytical Method: TN EPH **Prep Batch(es):** **L727448** 01/12/24 06:37
Prep Method: 3550B

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Batch
Diesel Range Organics (C10-C28)	**17.2**	mg/Kg - dry	3.77	4.15	1	01/13/24 05:00	MMK	L727712
Oil Range Organics (>C28-C40)	**25.7**	mg/Kg - dry	3.77	4.15	1	01/13/24 05:00	MMK	L727712
TN EPH (C10-C40)	**42.9**	mg/Kg - dry	3.77	4.15	1	01/13/24 05:00		L727712
Surrogate: OTP Surrogate	90.3		Limits: 50-150%		10	01/12/24 20:27	MMK	TN EPH

Qualifiers/ Definitions

DF	Dilution Factor
J	Estimated value
MQL	Method Quantitation Limit
I	Recovery out of range
M	Minimum value

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Project Legends Park

Information : 198 N. Pauline-Memphis, TN
Project No. 0888836801

Report Date : 01/17/2024
Received : 01/10/2024

Rebekah Ross
Project Manager

Report Number : **24-010-0197**

REPORT OF ANALYSIS

Lab No : **99361**
Sample ID : **LEGTB0110204**

Matrix: **Aqueous**
Sampled: **1/10/2024 8:47**

Analytical Method: 8260B **Prep Batch(es):** **L727461** 01/11/24 08:33
Prep Method: 5030B

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Batch
Acetone	<0.010	mg/L	0.010	0.020	1	01/11/24 13:47	HRS	L727593
Acetonitrile	<0.025	mg/L	0.025	0.050	1	01/11/24 13:47	HRS	L727593
Acrolein	<0.004	mg/L	0.004	0.020	1	01/11/24 13:47	HRS	L727593
Acrylonitrile	<0.002	mg/L	0.002	0.020	1	01/11/24 13:47	HRS	L727593
Benzene	<0.0007	mg/L	0.0007	0.001	1	01/11/24 13:47	HRS	L727593
Bromobenzene	<0.0009	mg/L	0.0009	0.001	1	01/11/24 13:47	HRS	L727593
Bromochloromethane	<0.0008	mg/L	0.0008	0.001	1	01/11/24 13:47	HRS	L727593
Bromodichloromethane	<0.0009	mg/L	0.0009	0.001	1	01/11/24 13:47	HRS	L727593
Bromoform	<0.0008	mg/L	0.0008	0.001	1	01/11/24 13:47	HRS	L727593
Bromomethane	<0.0010	mg/L	0.0010	0.002	1	01/11/24 13:47	HRS	L727593
Methyl Ethyl Ketone (MEK)	<0.002	mg/L	0.002	0.020	1	01/11/24 13:47	HRS	L727593
n-Butylbenzene	<0.0009	mg/L	0.0009	0.001	1	01/11/24 13:47	HRS	L727593
sec-Butyl benzene	<0.0008	mg/L	0.0008	0.001	1	01/11/24 13:47	HRS	L727593
tert-Butyl benzene	<0.0010	mg/L	0.0010	0.001	1	01/11/24 13:47	HRS	L727593
Carbon Disulfide	<0.0006	mg/L	0.0006	0.001	1	01/11/24 13:47	HRS	L727593
Carbon Tetrachloride	<0.0006	mg/L	0.0006	0.001	1	01/11/24 13:47	HRS	L727593
Chlorobenzene	<0.0009	mg/L	0.0009	0.001	1	01/11/24 13:47	HRS	L727593
Chlorodibromomethane	<0.0008	mg/L	0.0008	0.001	1	01/11/24 13:47	HRS	L727593
Chloroethane	<0.0007	mg/L	0.0007	0.001	1	01/11/24 13:47	HRS	L727593
2-Chloroethylvinyl Ether	<0.004 M	mg/L	0.004	0.005	1	01/11/24 13:47	HRS	L727593
Chloroform	<0.0006	mg/L	0.0006	0.001	1	01/11/24 13:47	HRS	L727593
Chloromethane	<0.0008	mg/L	0.0008	0.001	1	01/11/24 13:47	HRS	L727593

Qualifiers/ Definitions

DF	Dilution Factor	I	Recovery out of range
J	Estimated value	M	Minimum value
MQL	Method Quantitation Limit		

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Project Legends Park

Information : 198 N. Pauline-Memphis, TN
Project No. 0888836801

Report Date : 01/17/2024
Received : 01/10/2024

Rebekah Ross
Project Manager

Report Number : **24-010-0197**

REPORT OF ANALYSIS

Lab No : **99361**
Sample ID : **LEGTB0110204**

Matrix: **Aqueous**
Sampled: **1/10/2024 8:47**

Analytical Method: 8260B **Prep Batch(es):** **L727461** 01/11/24 08:33
Prep Method: 5030B

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Batch
2-Chlorotoluene	<0.0008	mg/L	0.0008	0.001	1	01/11/24 13:47	HRS	L727593
4-Chlorotoluene	<0.0009	mg/L	0.0009	0.001	1	01/11/24 13:47	HRS	L727593
1,2-Dibromo-3-Chloropropane	<0.0008	mg/L	0.0008	0.002	1	01/11/24 13:47	HRS	L727593
1,2-Dibromoethane	<0.0008	mg/L	0.0008	0.001	1	01/11/24 13:47	HRS	L727593
Dibromomethane	<0.0009	mg/L	0.0009	0.001	1	01/11/24 13:47	HRS	L727593
1,2-Dichlorobenzene	<0.0009	mg/L	0.0009	0.001	1	01/11/24 13:47	HRS	L727593
1,3-Dichlorobenzene	<0.0010	mg/L	0.0010	0.001	1	01/11/24 13:47	HRS	L727593
1,4-Dichlorobenzene	<0.0009	mg/L	0.0009	0.001	1	01/11/24 13:47	HRS	L727593
Dichlorodifluoromethane	<0.0009	mg/L	0.0009	0.001	1	01/11/24 13:47	HRS	L727593
1,1-Dichloroethane	<0.0007	mg/L	0.0007	0.001	1	01/11/24 13:47	HRS	L727593
1,2-Dichloroethane	<0.0009	mg/L	0.0009	0.001	1	01/11/24 13:47	HRS	L727593
1,1-Dichloroethene	<0.0006	mg/L	0.0006	0.001	1	01/11/24 13:47	HRS	L727593
cis-1,2-Dichloroethene	<0.0008	mg/L	0.0008	0.001	1	01/11/24 13:47	HRS	L727593
trans-1,2-Dichloroethene	<0.0007	mg/L	0.0007	0.001	1	01/11/24 13:47	HRS	L727593
1,2-Dichloroethene (Total)	<0.0007	mg/L	0.0007	0.001	1	01/11/24 13:47		L727593
1,2-Dichloropropane	<0.0009	mg/L	0.0009	0.001	1	01/11/24 13:47	HRS	L727593
1,3-Dichloropropane	<0.0009	mg/L	0.0009	0.001	1	01/11/24 13:47	HRS	L727593
2,2-Dichloropropane	<0.0006	mg/L	0.0006	0.001	1	01/11/24 13:47	HRS	L727593
1,1-Dichloropropene	<0.0006	mg/L	0.0006	0.001	1	01/11/24 13:47	HRS	L727593
cis-1,3-Dichloropropene	<0.0010	mg/L	0.0010	0.001	1	01/11/24 13:47	HRS	L727593
trans-1,3-Dichloropropene	<0.0009	mg/L	0.0009	0.001	1	01/11/24 13:47	HRS	L727593
Ethyl Acetate	<0.003	mg/L	0.003	0.010	1	01/11/24 13:47	HRS	L727593

Qualifiers/ Definitions

DF	Dilution Factor	I	Recovery out of range
J	Estimated value	M	Minimum value
MQL	Method Quantitation Limit		

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Report Date : 01/17/2024
Received : 01/10/2024

Rebekah Ross
Project Manager

Report Number : **24-010-0197**

REPORT OF ANALYSIS

Lab No : **99361**
Sample ID : **LEGTB0110204**

Matrix: **Aqueous**
Sampled: **1/10/2024 8:47**

Analytical Method: 8260B **Prep Batch(es):** **L727461** 01/11/24 08:33
Prep Method: 5030B

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Batch
Ethylbenzene	<0.0009	mg/L	0.0009	0.001	1	01/11/24 13:47	HRS	L727593
Hexachlorobutadiene	<0.0009	mg/L	0.0009	0.001	1	01/11/24 13:47	HRS	L727593
2-Hexanone	<0.003	mg/L	0.003	0.005	1	01/11/24 13:47	HRS	L727593
Iodomethane	<0.002	mg/L	0.002	0.005	1	01/11/24 13:47	HRS	L727593
Isopropylbenzene	<0.0009	mg/L	0.0009	0.001	1	01/11/24 13:47	HRS	L727593
4-Isopropyl toluene	<0.0010	mg/L	0.0010	0.001	1	01/11/24 13:47	HRS	L727593
4-Methyl-2-Pentanone	<0.003	mg/L	0.003	0.005	1	01/11/24 13:47	HRS	L727593
Methylene Chloride	<0.001	mg/L	0.001	0.005	1	01/11/24 13:47	HRS	L727593
Methyl tert-butyl ether (MTBE)	<0.0008	mg/L	0.0008	0.001	1	01/11/24 13:47	HRS	L727593
m,p-Xylene	<0.001	mg/L	0.001	0.002	1	01/11/24 13:47	HRS	L727593
Naphthalene	<0.003	mg/L	0.003	0.005	1	01/11/24 13:47	HRS	L727593
o-Xylene	<0.0009	mg/L	0.0009	0.001	1	01/11/24 13:47	HRS	L727593
n-Propylbenzene	<0.0010	mg/L	0.0010	0.001	1	01/11/24 13:47	HRS	L727593
Styrene	<0.0009	mg/L	0.0009	0.001	1	01/11/24 13:47	HRS	L727593
1,1,1,2-Tetrachloroethane	<0.0008	mg/L	0.0008	0.001	1	01/11/24 13:47	HRS	L727593
1,1,2,2-Tetrachloroethane	<0.0005	mg/L	0.0005	0.001	1	01/11/24 13:47	HRS	L727593
Tetrachloroethene	<0.0006	mg/L	0.0006	0.001	1	01/11/24 13:47	HRS	L727593
Toluene	<0.0007	mg/L	0.0007	0.002	1	01/11/24 13:47	HRS	L727593
1,2,3-Trichlorobenzene	<0.001	mg/L	0.001	0.002	1	01/11/24 13:47	HRS	L727593
1,2,4-Trichlorobenzene	<0.001	mg/L	0.001	0.002	1	01/11/24 13:47	HRS	L727593
1,1,1-Trichloroethane	<0.0006	mg/L	0.0006	0.001	1	01/11/24 13:47	HRS	L727593
1,1,2-Trichloroethane	<0.0009	mg/L	0.0009	0.001	1	01/11/24 13:47	HRS	L727593

Qualifiers/ Definitions

DF	Dilution Factor	I	Recovery out of range
J	Estimated value	M	Minimum value
MQL	Method Quantitation Limit		

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Report Date : 01/17/2024
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Rebekah Ross
Project Manager

Report Number : **24-010-0197**

REPORT OF ANALYSIS

Lab No : **99361**
Sample ID : **LEGTB0110204**

Matrix: **Aqueous**
Sampled: **1/10/2024 8:47**

Analytical Method: 8260B **Prep Batch(es):** **L727461** 01/11/24 08:33
Prep Method: 5030B

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Batch
Trichloroethene	<0.0008	mg/L	0.0008	0.001	1	01/11/24 13:47	HRS	L727593
Trichlorofluoromethane	<0.0005	mg/L	0.0005	0.001	1	01/11/24 13:47	HRS	L727593
1,2,3-Trichloropropane	<0.0008	mg/L	0.0008	0.001	1	01/11/24 13:47	HRS	L727593
1,2,4-Trimethylbenzene	<0.001	mg/L	0.001	0.001	1	01/11/24 13:47	HRS	L727593
1,3,5-Trimethylbenzene	<0.001	mg/L	0.001	0.001	1	01/11/24 13:47	HRS	L727593
Vinyl Acetate	<0.003	mg/L	0.003	0.010	1	01/11/24 13:47	HRS	L727593
Vinyl Chloride	<0.0007	mg/L	0.0007	0.001	1	01/11/24 13:47	HRS	L727593
Xylene (Total)	<0.0009	mg/L	0.0009	0.001	1	01/11/24 13:47		L727593
Surrogate: 4-Bromofluorobenzene	94.4		Limits: 71-137%		1	01/11/24 13:47	HRS	L727593
Surrogate: Dibromofluoromethane	92.8		Limits: 70-128%		1	01/11/24 13:47	HRS	L727593
Surrogate: 1,2-Dichloroethane - d4	82.2		Limits: 63-136%		1	01/11/24 13:47	HRS	L727593
Surrogate: Toluene-d8	87.4		Limits: 70-130%		1	01/11/24 13:47	HRS	L727593

Qualifiers/ Definitions

DF	Dilution Factor	I	Recovery out of range
J	Estimated value	M	Minimum value
MQL	Method Quantitation Limit		

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Quality Control Data

Client ID: Ensafe
Project Description: Legends Park
Report No: 24-010-0197

QC Prep: L727266
QC Prep Batch Method: 3050B
QC Analytical Batch(es): L727716
Analysis Method: 6010D
Analysis Description: Metals Analysis

Lab Reagent Blank LRB-L727266 Matrix: SOL
Associated Lab Samples: 99313, 99314, 99315, 99316, 99317, 99318, 99319, 99320, 99321, 99322, 99323, 99324

Parameter	Units	Blank Result	MDL	MQL	Analyzed
Arsenic	mg/Kg	<0.250	0.250	0.500	01/12/24 19:08
Barium	mg/Kg	<0.150	0.150	0.500	01/12/24 19:08
Cadmium	mg/Kg	<0.0500	0.0500	0.100	01/12/24 19:08
Chromium	mg/Kg	<0.250	0.250	0.250	01/12/24 19:08
Lead	mg/Kg	<0.200	0.200	0.300	01/12/24 19:08
Selenium	mg/Kg	<0.350	0.350	0.500	01/12/24 19:08
Silver	mg/Kg	<0.200	0.200	0.250	01/12/24 19:08

Laboratory Control Sample LCS-L727266

Parameter	Units	Spike Conc.	LCS Result	LCS %Rec	% Rec Limits
Arsenic	mg/Kg	5.00	5.20	104	80-120
Barium	mg/Kg	50.0	50.9	102	80-120
Cadmium	mg/Kg	5.00	5.22	104	80-120
Chromium	mg/Kg	50.0	49.5	99.0	80-120
Lead	mg/Kg	5.00	5.43	109	80-120
Selenium	mg/Kg	5.00	4.84	97.0	80-120
Silver	mg/Kg	5.00	4.88	98.0	80-120

Matrix Spike & Matrix Spike Duplicate L 92924-MS-L727266 L 92924-MSD-L727266

Parameter	Units	Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS %Rec	MSD %Rec	%Rec Limits	RPD	Max RPD
Arsenic	mg/Kg	0.786	4.26	4.06	4.79	4.71	94.0	97.0	75-125	1.6	20.0
Barium	mg/Kg	22.8	42.6	40.6	61.6	60.5	91.0	93.0	75-125	1.8	20.0
Cadmium	mg/Kg	0.104	4.26	4.06	4.10	3.96	94.0	95.0	75-125	3.4	20.0
Chromium	mg/Kg	2.18	42.6	40.6	40.5	39.2	90.0	91.0	75-125	3.2	20.0

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Quality Control Data

Client ID: **Ensafe**
Project Description: **Legends Park**
Report No: **24-010-0197**

QC Prep: L727266
QC Prep Batch Method: 3050B
QC Analytical Batch(es): L727716
Analysis Method: 6010D
Analysis Description: Metals Analysis

Matrix Spike & Matrix Spike Duplicate L 92924-MS-L727266 L 92924-MSD-L727266

Parameter	Units	Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS %Rec	MSD %Rec	%Rec Limits	RPD	Max RPD
Lead	mg/Kg	1.30	4.26	4.06	5.78	5.31	105	99.0	75-125	8.4	20.0
Selenium	mg/Kg	0.440	4.26	4.06	4.40	4.14	93.0	91.0	75-125	6.0	20.0
Silver	mg/Kg	0.232	4.26	4.06	4.14	3.99	92.0	93.0	75-125	3.6	20.0

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Quality Control Data

Client ID: **Ensafe**
Project Description: **Legends Park**
Report No: **24-010-0197**

QC Prep: L727392
QC Prep Batch Method: 7471A
QC Analytical Batch(es): L727583
Analysis Method: 7471A
Analysis Description: Solids Total Mercury Analysis - CVAA

Lab Reagent Blank LRB-L727392 Matrix: SOL
Associated Lab Samples: 99313, 99314, 99315, 99316, 99317, 99318, 99319, 99320, 99321

Parameter	Units	Blank Result	MDL	MQL	Analyzed
Mercury	mg/Kg	<0.0232	0.0232	0.192	01/12/24 11:00

Laboratory Control Sample LCS-L727392

Parameter	Units	Spike Conc.	LCS Result	LCS %Rec	% Rec Limits
Mercury	mg/Kg	0.400	0.418	105	80-120

Matrix Spike & Matrix Spike Duplicate L 99321-MS-L727392 L 99321-MSD-L727392

Parameter	Units	Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS %Rec	MSD %Rec	%Rec Limits	RPD	Max RPD
Mercury	mg/Kg	0.0483	0.399	0.377	0.472	0.428	106	101	80-120	9.7	20.0

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Quality Control Data

Client ID: **Ensafe**
Project Description: **Legends Park**
Report No: **24-010-0197**

QC Prep: L727568
QC Prep Batch Method: 7471A
QC Analytical Batch(es): L727858
Analysis Method: 7471A
Analysis Description: Solids Total Mercury Analysis - CVAA

Lab Reagent Blank LRB-L727568 Matrix: SOL
Associated Lab Samples: 99322, 99323, 99324

Parameter	Units	Blank Result	MDL	MQL	Analyzed
Mercury	mg/Kg	<0.0232	0.0232	0.192	01/16/24 11:17

Laboratory Control Sample LCS-L727568

Parameter	Units	Spike Conc.	LCS Result	LCS %Rec	% Rec Limits
Mercury	mg/Kg	0.400	0.425	106	80-120

Matrix Spike & Matrix Spike Duplicate L 99720-MS-L727568 L 99720-MSD-L727568

Parameter	Units	Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS %Rec	MSD %Rec	%Rec Limits	RPD	Max RPD
Mercury	mg/Kg	0.0249	0.364	0.377	0.424	0.422	110	105	80-120	0.4	20.0

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Quality Control Data

Client ID: Ensafe
Project Description: Legends Park
Report No: 24-010-0197

QC Prep: L727461
QC Prep Batch Method: 5030B
QC Analytical Batch(es): L727593
Analysis Method: 8260B
Analysis Description: Volatile Organic Compounds - GC/MS

Lab Reagent Blank LRB-L727461 Matrix: AQU
Associated Lab Samples: 99361

Parameter	Units	Blank Result	MDL	MQL	Analyzed	% Recovery	% Rec Limits
Acetone	mg/L	<0.010	0.010	0.020	01/11/24 12:44		
Acetonitrile	mg/L	<0.025	0.025	0.050	01/11/24 12:44		
Acrolein	mg/L	<0.004	0.004	0.020	01/11/24 12:44		
Acrylonitrile	mg/L	<0.002	0.002	0.020	01/11/24 12:44		
Benzene	mg/L	<0.0007	0.0007	0.001	01/11/24 12:44		
Bromobenzene	mg/L	<0.0009	0.0009	0.001	01/11/24 12:44		
Bromochloromethane	mg/L	<0.0008	0.0008	0.001	01/11/24 12:44		
Bromodichloromethane	mg/L	<0.0009	0.0009	0.001	01/11/24 12:44		
Bromoform	mg/L	<0.0008	0.0008	0.001	01/11/24 12:44		
Bromomethane	mg/L	<0.0010	0.0010	0.002	01/11/24 12:44		
Methyl Ethyl Ketone (MEK)	mg/L	<0.002	0.002	0.020	01/11/24 12:44		
n-Butylbenzene	mg/L	<0.0009	0.0009	0.001	01/11/24 12:44		
sec-Butyl benzene	mg/L	<0.0008	0.0008	0.001	01/11/24 12:44		
tert-Butyl benzene	mg/L	<0.0010	0.0010	0.001	01/11/24 12:44		
Carbon Disulfide	mg/L	<0.0006	0.0006	0.001	01/11/24 12:44		
Carbon Tetrachloride	mg/L	<0.0006	0.0006	0.001	01/11/24 12:44		
Chlorobenzene	mg/L	<0.0009	0.0009	0.001	01/11/24 12:44		
Chlorodibromomethane	mg/L	<0.0008	0.0008	0.001	01/11/24 12:44		
Chloroethane	mg/L	<0.0007	0.0007	0.001	01/11/24 12:44		
2-Chloroethylvinyl Ether	mg/L	<0.004	0.004	0.005	01/11/24 12:44		
Chloroform	mg/L	<0.0006	0.0006	0.001	01/11/24 12:44		
Chloromethane	mg/L	<0.0008	0.0008	0.001	01/11/24 12:44		
2-Chlorotoluene	mg/L	<0.0008	0.0008	0.001	01/11/24 12:44		
4-Chlorotoluene	mg/L	<0.0009	0.0009	0.001	01/11/24 12:44		
1,2-Dibromo-3-Chloropropane	mg/L	<0.0008	0.0008	0.002	01/11/24 12:44		
1,2-Dibromoethane	mg/L	<0.0008	0.0008	0.001	01/11/24 12:44		
Dibromomethane	mg/L	<0.0009	0.0009	0.001	01/11/24 12:44		

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Quality Control Data

Client ID: Ensafe
Project Description: Legends Park
Report No: 24-010-0197

QC Prep: L727461
QC Prep Batch Method: 5030B
QC Analytical Batch(es): L727593
Analysis Method: 8260B
Analysis Description: Volatile Organic Compounds - GC/MS

Lab Reagent Blank LRB-L727461 Matrix: AQU
Associated Lab Samples: 99361

Parameter	Units	Blank Result	MDL	MQL	Analyzed	% Recovery	% Rec Limits
1,2-Dichlorobenzene	mg/L	<0.0009	0.0009	0.001	01/11/24 12:44		
1,3-Dichlorobenzene	mg/L	<0.0010	0.0010	0.001	01/11/24 12:44		
1,4-Dichlorobenzene	mg/L	<0.0009	0.0009	0.001	01/11/24 12:44		
Dichlorodifluoromethane	mg/L	<0.0009	0.0009	0.001	01/11/24 12:44		
1,1-Dichloroethane	mg/L	<0.0007	0.0007	0.001	01/11/24 12:44		
1,2-Dichloroethane	mg/L	<0.0009	0.0009	0.001	01/11/24 12:44		
1,1-Dichloroethene	mg/L	<0.0006	0.0006	0.001	01/11/24 12:44		
cis-1,2-Dichloroethene	mg/L	<0.0008	0.0008	0.001	01/11/24 12:44		
trans-1,2-Dichloroethene	mg/L	<0.0007	0.0007	0.001	01/11/24 12:44		
1,2-Dichloropropane	mg/L	<0.0009	0.0009	0.001	01/11/24 12:44		
1,3-Dichloropropane	mg/L	<0.0009	0.0009	0.001	01/11/24 12:44		
2,2-Dichloropropane	mg/L	<0.0006	0.0006	0.001	01/11/24 12:44		
1,1-Dichloropropene	mg/L	<0.0006	0.0006	0.001	01/11/24 12:44		
cis-1,3-Dichloropropene	mg/L	<0.0010	0.0010	0.001	01/11/24 12:44		
trans-1,3-Dichloropropene	mg/L	<0.0009	0.0009	0.001	01/11/24 12:44		
Ethyl Acetate	mg/L	<0.003	0.003	0.010	01/11/24 12:44		
Ethylbenzene	mg/L	<0.0009	0.0009	0.001	01/11/24 12:44		
Hexachlorobutadiene	mg/L	<0.0009	0.0009	0.001	01/11/24 12:44		
2-Hexanone	mg/L	<0.003	0.003	0.005	01/11/24 12:44		
Iodomethane	mg/L	<0.002	0.002	0.005	01/11/24 12:44		
Isopropylbenzene	mg/L	<0.0009	0.0009	0.001	01/11/24 12:44		
4-Isopropyl toluene	mg/L	<0.0010	0.0010	0.001	01/11/24 12:44		
4-Methyl-2-Pentanone	mg/L	<0.003	0.003	0.005	01/11/24 12:44		
Methylene Chloride	mg/L	<0.001	0.001	0.005	01/11/24 12:44		
Methyl tert-butyl ether (MTBE)	mg/L	<0.0008	0.0008	0.001	01/11/24 12:44		
m,p-Xylene	mg/L	<0.001	0.001	0.002	01/11/24 12:44		
Naphthalene	mg/L	<0.003	0.003	0.005	01/11/24 12:44		

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Quality Control Data

Client ID: Ensafe
Project Description: Legends Park
Report No: 24-010-0197

QC Prep: L727461
QC Prep Batch Method: 5030B
QC Analytical Batch(es): L727593
Analysis Method: 8260B
Analysis Description: Volatile Organic Compounds - GC/MS

Lab Reagent Blank LRB-L727461 Matrix: AQU
Associated Lab Samples: 99361

Parameter	Units	Blank Result	MDL	MQL	Analyzed	% Recovery	% Rec Limits
o-Xylene	mg/L	<0.0009	0.0009	0.001	01/11/24 12:44		
n-Propylbenzene	mg/L	<0.0010	0.0010	0.001	01/11/24 12:44		
Styrene	mg/L	<0.0009	0.0009	0.001	01/11/24 12:44		
1,1,1,2-Tetrachloroethane	mg/L	<0.0008	0.0008	0.001	01/11/24 12:44		
1,1,2,2-Tetrachloroethane	mg/L	<0.0005	0.0005	0.001	01/11/24 12:44		
Tetrachloroethene	mg/L	<0.0006	0.0006	0.001	01/11/24 12:44		
Toluene	mg/L	<0.0007	0.0007	0.002	01/11/24 12:44		
1,2,3-Trichlorobenzene	mg/L	<0.001	0.001	0.002	01/11/24 12:44		
1,2,4-Trichlorobenzene	mg/L	<0.001	0.001	0.002	01/11/24 12:44		
1,1,1-Trichloroethane	mg/L	<0.0006	0.0006	0.001	01/11/24 12:44		
1,1,2-Trichloroethane	mg/L	<0.0009	0.0009	0.001	01/11/24 12:44		
Trichloroethene	mg/L	<0.0008	0.0008	0.001	01/11/24 12:44		
Trichlorofluoromethane	mg/L	<0.0005	0.0005	0.001	01/11/24 12:44		
1,2,3-Trichloropropane	mg/L	<0.0008	0.0008	0.001	01/11/24 12:44		
1,2,4-Trimethylbenzene	mg/L	<0.001	0.001	0.001	01/11/24 12:44		
1,3,5-Trimethylbenzene	mg/L	<0.001	0.001	0.001	01/11/24 12:44		
Vinyl Acetate	mg/L	<0.003	0.003	0.010	01/11/24 12:44		
Vinyl Chloride	mg/L	<0.0007	0.0007	0.001	01/11/24 12:44		
4-Bromofluorobenzene (S)					01/11/24 12:44	97.4	71-137
Dibromofluoromethane (S)					01/11/24 12:44	97.0	70-128
1,2-Dichloroethane - d4 (S)					01/11/24 12:44	81.6	63-136
Toluene-d8 (S)					01/11/24 12:44	90.0	70-130

Laboratory Control Sample LCS-L727461

Parameter	Units	Spike Conc.	LCS Result	LCS %Rec	% Rec Limits
Acetone	mg/L	0.100	0.126	126	40-160

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Quality Control Data

Client ID: Ensafe
Project Description: Legends Park
Report No: 24-010-0197

QC Prep: L727461
QC Prep Batch Method: 5030B
QC Analytical Batch(es): L727593
Analysis Method: 8260B
Analysis Description: Volatile Organic Compounds - GC/MS

Laboratory Control Sample LCS-L727461

Parameter	Units	Spike Conc.	LCS Result	LCS %Rec	% Rec Limits
Acetonitrile	mg/L	1.00	1.31	131	40-160
Acrolein	mg/L	0.100	0.142	142	40-160
Acrylonitrile	mg/L	0.100	0.141	141	40-160
Benzene	mg/L	0.100	0.109	109	70-130
Bromobenzene	mg/L	0.100	0.108	108	75-125
Bromochloromethane	mg/L	0.100	0.103	103	65-135
Bromodichloromethane	mg/L	0.100	0.094	94.3	75-125
Bromoform	mg/L	0.100	0.099	99.6	70-130
Bromomethane	mg/L	0.100	0.076	76.5	40-160
Methyl Ethyl Ketone (MEK)	mg/L	0.100	0.152	152	40-160
n-Butylbenzene	mg/L	0.100	0.106	106	70-130
sec-Butyl benzene	mg/L	0.100	0.104	104	70-130
tert-Butyl benzene	mg/L	0.100	0.105	105	70-130
Carbon Disulfide	mg/L	0.100	0.121	121	40-160
Carbon Tetrachloride	mg/L	0.100	0.101	101	65-135
Chlorobenzene	mg/L	0.100	0.103	103	80-120
Chlorodibromomethane	mg/L	0.100	0.092	92.6	60-140
Chloroethane	mg/L	0.100	0.112	112	60-140
2-Chloroethylvinyl Ether	mg/L	0.100	0.023	23.9*	40-160
Chloroform	mg/L	0.100	0.100	100	80-120
Chloromethane	mg/L	0.100	0.091	91.0	40-160
2-Chlorotoluene	mg/L	0.100	0.112	112	75-125
4-Chlorotoluene	mg/L	0.100	0.111	111	75-125
1,2-Dibromo-3-Chloropropane	mg/L	0.100	0.103	103	50-150
1,2-Dibromoethane	mg/L	0.100	0.097	97.5	70-130
Dibromomethane	mg/L	0.100	0.092	92.1	75-125
1,2-Dichlorobenzene	mg/L	0.100	0.099	99.2	70-130

* QC Fail

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Quality Control Data

Client ID: Ensafe
Project Description: Legends Park
Report No: 24-010-0197

QC Prep: L727461
QC Prep Batch Method: 5030B
QC Analytical Batch(es): L727593
Analysis Method: 8260B
Analysis Description: Volatile Organic Compounds - GC/MS

Laboratory Control Sample LCS-L727461

Parameter	Units	Spike Conc.	LCS Result	LCS %Rec	% Rec Limits
1,3-Dichlorobenzene	mg/L	0.100	0.096	96.4	75-125
1,4-Dichlorobenzene	mg/L	0.100	0.097	97.4	75-125
Dichlorodifluoromethane	mg/L	0.100	0.047	47.4	40-160
1,1-Dichloroethane	mg/L	0.100	0.115	115	70-130
1,2-Dichloroethane	mg/L	0.100	0.093	93.1	70-130
1,1-Dichloroethene	mg/L	0.100	0.119	119	80-120
cis-1,2-Dichloroethene	mg/L	0.100	0.110	110	70-130
trans-1,2-Dichloroethene	mg/L	0.100	0.117	117	60-140
1,2-Dichloropropane	mg/L	0.100	0.107	107	80-120
1,3-Dichloropropane	mg/L	0.100	0.092	92.0	75-125
2,2-Dichloropropane	mg/L	0.100	0.110	110	70-130
1,1-Dichloropropene	mg/L	0.100	0.106	106	75-125
cis-1,3-Dichloropropene	mg/L	0.100	0.103	103	70-130
trans-1,3-Dichloropropene	mg/L	0.100	0.102	102	55-145
Ethyl Acetate	mg/L	0.100	0.101	101	40-160
Ethylbenzene	mg/L	0.100	0.107	107	80-120
Hexachlorobutadiene	mg/L	0.100	0.098	98.3	50-150
2-Hexanone	mg/L	0.100	0.102	102	55-145
Iodomethane	mg/L	0.100	0.095	95.3	40-160
Isopropylbenzene	mg/L	0.100	0.111	111	75-125
4-Isopropyl toluene	mg/L	0.100	0.099	99.1	75-125
4-Methyl-2-Pentanone	mg/L	0.100	0.102	102	60-140
Methylene Chloride	mg/L	0.100	0.114	114	55-145
Methyl tert-butyl ether (MTBE)	mg/L	0.100	0.109	109	65-135
m,p-Xylene	mg/L	0.200	0.219	110	75-125
Naphthalene	mg/L	0.100	0.098	98.4	55-145
o-Xylene	mg/L	0.100	0.112	112	70-130

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Quality Control Data

Client ID: Ensafe
Project Description: Legends Park
Report No: 24-010-0197

QC Prep: L727461
QC Prep Batch Method: 5030B
QC Analytical Batch(es): L727593
Analysis Method: 8260B
Analysis Description: Volatile Organic Compounds - GC/MS

Laboratory Control Sample LCS-L727461

Parameter	Units	Spike Conc.	LCS Result	LCS %Rec	% Rec Limits
n-Propylbenzene	mg/L	0.100	0.108	108	70-130
Styrene	mg/L	0.100	0.111	111	65-135
1,1,1,2-Tetrachloroethane	mg/L	0.100	0.098	98.9	70-130
1,1,2,2-Tetrachloroethane	mg/L	0.100	0.105	105	65-135
Tetrachloroethene	mg/L	0.100	0.092	92.4	45-155
Toluene	mg/L	0.100	0.098	98.6	80-120
1,2,3-Trichlorobenzene	mg/L	0.100	0.094	94.4	60-140
1,2,4-Trichlorobenzene	mg/L	0.100	0.097	97.1	65-135
1,1,1-Trichloroethane	mg/L	0.100	0.101	101	65-135
1,1,2-Trichloroethane	mg/L	0.100	0.094	94.9	75-125
Trichloroethene	mg/L	0.100	0.104	104	70-130
Trichlorofluoromethane	mg/L	0.100	0.109	109	40-140
1,2,3-Trichloropropane	mg/L	0.100	0.108	108	75-125
1,2,4-Trimethylbenzene	mg/L	0.100	0.101	101	65-135
1,3,5-Trimethylbenzene	mg/L	0.100	0.110	110	75-125
Vinyl Acetate	mg/L	0.100	0.108	108	40-160
Vinyl Chloride	mg/L	0.100	0.110	110	80-120
4-Bromofluorobenzene (S)				95.0	71-137
Dibromofluoromethane (S)				84.8	70-128
1,2-Dichloroethane - d4 (S)				77.0	63-136
Toluene-d8 (S)				82.4	70-130

Matrix Spike & Matrix Spike Duplicate L 99260-MS-L727461 L 99260-MSD-L727461

Parameter	Units	Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS %Rec	MSD %Rec	%Rec Limits	RPD	Max RPD
Acetone	mg/L	0.145	0.100	0.100	0.265	0.239	120	94.0	27-180	10.3	30

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Quality Control Data

Client ID: Ensafe
Project Description: Legends Park
Report No: 24-010-0197

QC Prep: L727461
QC Prep Batch Method: 5030B
QC Analytical Batch(es): L727593
Analysis Method: 8260B
Analysis Description: Volatile Organic Compounds - GC/MS

Matrix Spike & Matrix Spike Duplicate L 99260-MS-L727461 L 99260-MSD-L727461

Parameter	Units	Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS %Rec	MSD %Rec	%Rec Limits	RPD	Max RPD
Acetonitrile	mg/L	<0.025	1.00	1.00	1.25	1.26	125	126	56-127	0.7	30
Acrolein	mg/L	<0.004	0.100	0.100	0.129	0.124	129	124	10-147	3.9	30
Acrylonitrile	mg/L	<0.002	0.100	0.100	0.135	0.133	135	133	34-174	1.4	30
Benzene	mg/L	<0.0007	0.100	0.100	0.106	0.124	106	124	58-143	15.6	30
Bromobenzene	mg/L	<0.0009	0.100	0.100	0.109	0.115	109	115	55-149	5.3	30
Bromochloromethane	mg/L	<0.0008	0.100	0.100	0.102	0.112	102	112	65-152	9.3	30
Bromodichloromethane	mg/L	<0.0009	0.100	0.100	0.102	0.105	102	105	75-135	2.8	30
Bromoform	mg/L	<0.0008	0.100	0.100	0.103	0.102	103	102	61-137	0.9	30
Bromomethane	mg/L	<0.0010	0.100	0.100	0.065	0.076	65.2	76.8	37-185	16.3	30
Methyl Ethyl Ketone (MEK)	mg/L	<0.002	0.100	0.100	0.138	0.116	138	116	49-168	17.3	30
n-Butylbenzene	mg/L	<0.0009	0.100	0.100	0.103	0.121	103	121	67-149	16.0	30
sec-Butyl benzene	mg/L	<0.0008	0.100	0.100	0.108	0.126	108	126	72-139	15.3	30
tert-Butyl benzene	mg/L	<0.0010	0.100	0.100	0.108	0.125	108	125	71-143	14.5	30
Carbon Disulfide	mg/L	<0.0006	0.100	0.100	0.106	0.133	106	133	39-138	22.5	30
Carbon Tetrachloride	mg/L	<0.0006	0.100	0.100	0.098	0.121	98.2	121	62-141	20.8	30
Chlorobenzene	mg/L	0.042	0.100	0.100	0.144	0.155	101	112	67-143	7.3	30
Chlorodibromomethane	mg/L	<0.0008	0.100	0.100	0.103	0.101	103	101	66-146	1.9	30
Chloroethane	mg/L	<0.0007	0.100	0.100	0.091	0.105	91.0	105	24-167	14.2	30
2-Chloroethylvinyl Ether	mg/L	<0.004	0.100	0.100	<0.004	<0.004	0.0*	0.0*	1-167	0.0	30
Chloroform	mg/L	<0.0006	0.100	0.100	0.099	0.116	99.4	116	69-137	15.4	30
Chloromethane	mg/L	<0.0008	0.100	0.100	0.053	0.067	53.6	67.1	35-154	22.3	30
2-Chlorotoluene	mg/L	<0.0008	0.100	0.100	0.112	0.124	112	124	76-134	10.1	30
4-Chlorotoluene	mg/L	<0.0009	0.100	0.100	0.111	0.120	111	120	73-138	7.7	30
1,2-Dibromo-3-Chloropropane	mg/L	<0.0008	0.100	0.100	0.102	0.093	102	93.1	48-149	9.1	30
1,2-Dibromoethane	mg/L	<0.0008	0.100	0.100	0.107	0.099	107	99.9	63-150	6.8	30
Dibromomethane	mg/L	<0.0009	0.100	0.100	0.098	0.097	98.0	97.0	52-160	1.0	30

* QC Fail

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Quality Control Data

Client ID: Ensafe
Project Description: Legends Park
Report No: 24-010-0197

QC Prep: L727461
QC Prep Batch Method: 5030B
QC Analytical Batch(es): L727593
Analysis Method: 8260B
Analysis Description: Volatile Organic Compounds - GC/MS

Matrix Spike & Matrix Spike Duplicate L 99260-MS-L727461 L 99260-MSD-L727461

Parameter	Units	Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS %Rec	MSD %Rec	%Rec Limits	RPD	Max RPD
1,2-Dichlorobenzene	mg/L	0.009	0.100	0.100	0.110	0.118	100	108	66-141	7.0	30
1,3-Dichlorobenzene	mg/L	<0.0010	0.100	0.100	0.096	0.106	96.1	106	61-145	9.7	30
1,4-Dichlorobenzene	mg/L	0.003	0.100	0.100	0.100	0.110	96.1	106	63-145	9.5	30
Dichlorodifluoromethane	mg/L	<0.0009	0.100	0.100	0.017	0.020	17.1	20.5	17-145	18.0	30
1,1-Dichloroethane	mg/L	0.0009	0.100	0.100	0.108	0.130	107	129	66-137	18.4	30
1,2-Dichloroethane	mg/L	<0.0009	0.100	0.100	0.094	0.099	94.3	99.8	69-139	5.6	30
1,1-Dichloroethene	mg/L	<0.0006	0.100	0.100	0.105	0.131	105	131	50-134	22.0	30
cis-1,2-Dichloroethene	mg/L	0.026	0.100	0.100	0.131	0.155	105	129	62-153	16.7	30
trans-1,2-Dichloroethene	mg/L	<0.0007	0.100	0.100	0.107	0.135	107	135	61-137	23.1	30
1,2-Dichloropropane	mg/L	<0.0009	0.100	0.100	0.113	0.119	113	119	70-145	5.1	30
1,3-Dichloropropane	mg/L	<0.0009	0.100	0.100	0.099	0.094	99.5	94.2	62-146	5.4	30
2,2-Dichloropropane	mg/L	<0.0006	0.100	0.100	0.097	0.123	97.0	123	64-141	23.6	30
1,1-Dichloropropene	mg/L	<0.0006	0.100	0.100	0.101	0.126	101	126	61-143	22.0	30
cis-1,3-Dichloropropene	mg/L	<0.0010	0.100	0.100	0.108	0.110	108	110	79-138	1.8	30
trans-1,3-Dichloropropene	mg/L	<0.0009	0.100	0.100	0.108	0.107	108	107	77-140	0.9	30
Ethyl Acetate	mg/L	<0.003	0.100	0.100	0.096	0.108	96.7	108	3-122	11.0	30
Ethylbenzene	mg/L	<0.0009	0.100	0.100	0.105	0.117	105	117	65-141	10.8	30
Hexachlorobutadiene	mg/L	<0.0009	0.100	0.100	0.097	0.119	97.5	119	58-145	19.8	30
2-Hexanone	mg/L	<0.003	0.100	0.100	0.109	0.089	109	89.7	53-166	19.4	30
Iodomethane	mg/L	<0.002	0.100	0.100	0.073	0.086	73.7	86.1	28-145	15.5	30
Isopropylbenzene	mg/L	<0.0009	0.100	0.100	0.110	0.125	110	125	74-137	12.7	30
4-Isopropyl toluene	mg/L	<0.0010	0.100	0.100	0.101	0.117	101	117	74-138	14.6	30
4-Methyl-2-Pentanone	mg/L	<0.003	0.100	0.100	0.108	0.091	108	91.9	58-156	16.1	30
Methylene Chloride	mg/L	<0.001	0.100	0.100	0.108	0.123	108	123*	56-116	12.9	30
Methyl tert-butyl ether (MTBE)	mg/L	<0.0008	0.100	0.100	0.106	0.115	106	115	62-143	8.1	30
m,p-Xylene	mg/L	<0.001	0.200	0.200	0.213	0.235	107	118	61-149	9.8	30

* QC Fail

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Quality Control Data

Client ID: Ensafe
Project Description: Legends Park
Report No: 24-010-0197

QC Prep: L727461
QC Prep Batch Method: 5030B
QC Analytical Batch(es): L727593
Analysis Method: 8260B
Analysis Description: Volatile Organic Compounds - GC/MS

Matrix Spike & Matrix Spike Duplicate L 99260-MS-L727461 L 99260-MSD-L727461

Parameter	Units	Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS %Rec	MSD %Rec	%Rec Limits	RPD	Max RPD
Naphthalene	mg/L	<0.003	0.100	0.100	0.101	0.096	101	96.1	51-153	4.9	30
o-Xylene	mg/L	<0.0009	0.100	0.100	0.111	0.120	111	120	65-142	7.7	30
n-Propylbenzene	mg/L	<0.0010	0.100	0.100	0.105	0.120	105	120	75-139	13.3	30
Styrene	mg/L	<0.0009	0.100	0.100	0.111	0.119	111	119	59-153	6.9	30
1,1,1,2-Tetrachloroethane	mg/L	<0.0008	0.100	0.100	0.101	0.109	101	109	68-144	7.6	30
1,1,2,2-Tetrachloroethane	mg/L	<0.0005	0.100	0.100	0.104	0.101	104	101	62-148	2.9	30
Tetrachloroethene	mg/L	0.005	0.100	0.100	0.101	0.112	95.4	106	51-161	10.3	30
Toluene	mg/L	<0.0007	0.100	0.100	0.102	0.109	102	109	64-145	6.6	30
1,2,3-Trichlorobenzene	mg/L	<0.001	0.100	0.100	0.096	0.096	96.7	96.2	64-141	0.5	30
1,2,4-Trichlorobenzene	mg/L	<0.001	0.100	0.100	0.097	0.103	97.4	103	64-139	5.5	30
1,1,1-Trichloroethane	mg/L	<0.0006	0.100	0.100	0.097	0.121	97.8	121	67-136	21.2	30
1,1,2-Trichloroethane	mg/L	<0.0009	0.100	0.100	0.103	0.099	103	99.9	62-158	3.0	30
Trichloroethene	mg/L	0.002	0.100	0.100	0.103	0.118	100	115	56-146	13.5	30
Trichlorofluoromethane	mg/L	<0.0005	0.100	0.100	0.086	0.105	86.9	105	59-151	18.8	30
1,2,3-Trichloropropane	mg/L	<0.0008	0.100	0.100	0.103	0.097	103	97.3	57-148	5.6	30
1,2,4-Trimethylbenzene	mg/L	<0.001	0.100	0.100	0.105	0.117	105	117	55-149	10.8	30
1,3,5-Trimethylbenzene	mg/L	<0.001	0.100	0.100	0.110	0.122	110	122	57-150	10.3	30
Vinyl Acetate	mg/L	<0.003	0.100	0.100	0.117	0.124	117	124	43-172	5.8	30
Vinyl Chloride	mg/L	0.002	0.100	0.100	0.067	0.084	64.7	82.2	50-152	23.1	30
4-Bromofluorobenzene (S)							98.0	95.6	71-137		
Dibromofluoromethane (S)							91.2	94.6	70-128		
1,2-Dichloroethane - d4 (S)							81.8	81.2	63-136		
Toluene-d8 (S)							91.8	87.2	70-130		

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Quality Control Data

Client ID: Ensafe
Project Description: Legends Park
Report No: 24-010-0197

QC Prep: L727726
QC Prep Batch Method: 5035
QC Analytical Batch(es): L727732
Analysis Method: 8260B
Analysis Description: Volatile Organic Compounds - GC/MS

Lab Reagent Blank LRB-L727726 Matrix: SOL
Associated Lab Samples: 99313, 99314

Parameter	Units	Blank Result	MDL	MQL	Analyzed	% Recovery	% Rec Limits
Acetone	mg/Kg	<0.0043	0.0043	0.0400	01/12/24 10:59		
Acetonitrile	mg/Kg	<0.0522	0.0522	0.200	01/12/24 10:59		
Acrolein	mg/Kg	<0.0082	0.0082	0.0400	01/12/24 10:59		
Acrylonitrile	mg/Kg	<0.0037	0.0037	0.0400	01/12/24 10:59		
Benzene	mg/Kg	<0.0003	0.0003	0.0020	01/12/24 10:59		
Bromobenzene	mg/Kg	<0.0007	0.0007	0.0020	01/12/24 10:59		
Bromochloromethane	mg/Kg	<0.0004	0.0004	0.0020	01/12/24 10:59		
Bromodichloromethane	mg/Kg	<0.0007	0.0007	0.0020	01/12/24 10:59		
Bromoform	mg/Kg	<0.0013	0.0013	0.0020	01/12/24 10:59		
Bromomethane	mg/Kg	<0.0016	0.0016	0.0020	01/12/24 10:59		
Methyl Ethyl Ketone (MEK)	mg/Kg	<0.0038	0.0038	0.0400	01/12/24 10:59		
n-Butylbenzene	mg/Kg	<0.0009	0.0009	0.0020	01/12/24 10:59		
sec-Butyl benzene	mg/Kg	<0.0009	0.0009	0.0020	01/12/24 10:59		
tert-Butyl benzene	mg/Kg	<0.0007	0.0007	0.0020	01/12/24 10:59		
Carbon Disulfide	mg/Kg	<0.0028	0.0028	0.0100	01/12/24 10:59		
Carbon Tetrachloride	mg/Kg	<0.0004	0.0004	0.0020	01/12/24 10:59		
Chlorobenzene	mg/Kg	<0.0007	0.0007	0.0020	01/12/24 10:59		
Chlorodibromomethane	mg/Kg	<0.0010	0.0010	0.0020	01/12/24 10:59		
Chloroethane	mg/Kg	<0.0008	0.0008	0.0020	01/12/24 10:59		
Chloroform	mg/Kg	<0.0005	0.0005	0.0020	01/12/24 10:59		
Chloromethane	mg/Kg	<0.0007	0.0007	0.0020	01/12/24 10:59		
2-Chlorotoluene	mg/Kg	<0.0009	0.0009	0.0020	01/12/24 10:59		
4-Chlorotoluene	mg/Kg	<0.0010	0.0010	0.0020	01/12/24 10:59		
1,2-Dibromo-3-Chloropropane	mg/Kg	<0.0065	0.0065	0.0100	01/12/24 10:59		
1,2-Dibromoethane	mg/Kg	<0.0009	0.0009	0.0020	01/12/24 10:59		
Dibromomethane	mg/Kg	<0.0006	0.0006	0.0020	01/12/24 10:59		
1,2-Dichlorobenzene	mg/Kg	<0.0014	0.0014	0.0020	01/12/24 10:59		

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Quality Control Data

Client ID: Ensafe
Project Description: Legends Park
Report No: 24-010-0197

QC Prep: L727726
QC Prep Batch Method: 5035
QC Analytical Batch(es): L727732
Analysis Method: 8260B
Analysis Description: Volatile Organic Compounds - GC/MS

Lab Reagent Blank LRB-L727726 Matrix: SOL
Associated Lab Samples: 99313, 99314

Parameter	Units	Blank Result	MDL	MQL	Analyzed	% Recovery	% Rec Limits
1,3-Dichlorobenzene	mg/Kg	<0.0013	0.0013	0.0020	01/12/24 10:59		
1,4-Dichlorobenzene	mg/Kg	<0.0015	0.0015	0.0020	01/12/24 10:59		
Dichlorodifluoromethane	mg/Kg	<0.0018	0.0018	0.0020	01/12/24 10:59		
1,1-Dichloroethane	mg/Kg	<0.0003	0.0003	0.0020	01/12/24 10:59		
1,2-Dichloroethane	mg/Kg	<0.0004	0.0004	0.0020	01/12/24 10:59		
1,1-Dichloroethene	mg/Kg	<0.0005	0.0005	0.0020	01/12/24 10:59		
cis-1,2-Dichloroethene	mg/Kg	<0.0005	0.0005	0.0020	01/12/24 10:59		
trans-1,2-Dichloroethene	mg/Kg	<0.0002	0.0002	0.0020	01/12/24 10:59		
1,2-Dichloropropane	mg/Kg	<0.0006	0.0006	0.0020	01/12/24 10:59		
1,3-Dichloropropane	mg/Kg	<0.0009	0.0009	0.0020	01/12/24 10:59		
2,2-Dichloropropane	mg/Kg	<0.0005	0.0005	0.0020	01/12/24 10:59		
1,1-Dichloropropene	mg/Kg	<0.0003	0.0003	0.0020	01/12/24 10:59		
cis-1,3-Dichloropropene	mg/Kg	<0.0007	0.0007	0.0020	01/12/24 10:59		
trans-1,3-Dichloropropene	mg/Kg	<0.0007	0.0007	0.0020	01/12/24 10:59		
Ethyl Acetate	mg/Kg	<0.0060	0.0060	0.0400	01/12/24 10:59		
Ethylbenzene	mg/Kg	<0.0006	0.0006	0.0020	01/12/24 10:59		
Hexachlorobutadiene	mg/Kg	<0.0009	0.0009	0.0020	01/12/24 10:59		
2-Hexanone	mg/Kg	<0.0060	0.0060	0.0100	01/12/24 10:59		
Iodomethane	mg/Kg	<0.0045	0.0045	0.0100	01/12/24 10:59		
Isopropylbenzene	mg/Kg	<0.0007	0.0007	0.0020	01/12/24 10:59		
4-Isopropyl toluene	mg/Kg	<0.0009	0.0009	0.0020	01/12/24 10:59		
4-Methyl-2-Pentanone	mg/Kg	<0.0058	0.0058	0.0100	01/12/24 10:59		
Methylene Chloride	mg/Kg	<0.0027	0.0027	0.0100	01/12/24 10:59		
Methyl tert-butyl ether (MTBE)	mg/Kg	<0.0006	0.0006	0.0020	01/12/24 10:59		
m,p-Xylene	mg/Kg	<0.0014	0.0014	0.0040	01/12/24 10:59		
Naphthalene	mg/Kg	<0.0063	0.0063	0.0100	01/12/24 10:59		
o-Xylene	mg/Kg	<0.0007	0.0007	0.0020	01/12/24 10:59		

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Quality Control Data

Client ID: Ensafe
Project Description: Legends Park
Report No: 24-010-0197

QC Prep: L727726
QC Prep Batch Method: 5035
QC Analytical Batch(es): L727732
Analysis Method: 8260B
Analysis Description: Volatile Organic Compounds - GC/MS

Lab Reagent Blank LRB-L727726 Matrix: SOL
Associated Lab Samples: 99313, 99314

Parameter	Units	Blank Result	MDL	MQL	Analyzed	% Recovery	% Rec Limits
n-Propyl acetate	mg/Kg	<0.0067	0.0067	0.0100	01/12/24 10:59		
n-Propylbenzene	mg/Kg	<0.0006	0.0006	0.0020	01/12/24 10:59		
Styrene	mg/Kg	<0.0011	0.0011	0.0020	01/12/24 10:59		
1,1,1,2-Tetrachloroethane	mg/Kg	<0.0008	0.0008	0.0020	01/12/24 10:59		
1,1,2,2-Tetrachloroethane	mg/Kg	<0.0018	0.0018	0.0020	01/12/24 10:59		
Tetrachloroethene	mg/Kg	<0.0007	0.0007	0.0020	01/12/24 10:59		
Toluene	mg/Kg	<0.0032	0.0032	0.0040	01/12/24 10:59		
1,2,3-Trichlorobenzene	mg/Kg	<0.0020	0.0020	0.0020	01/12/24 10:59		
1,2,4-Trichlorobenzene	mg/Kg	<0.0011	0.0011	0.0020	01/12/24 10:59		
1,1,1-Trichloroethane	mg/Kg	<0.0003	0.0003	0.0020	01/12/24 10:59		
1,1,2-Trichloroethane	mg/Kg	<0.0010	0.0010	0.0020	01/12/24 10:59		
Trichloroethene	mg/Kg	<0.0009	0.0009	0.0020	01/12/24 10:59		
Trichlorofluoromethane	mg/Kg	<0.0008	0.0008	0.0020	01/12/24 10:59		
1,2,3-Trichloropropane	mg/Kg	<0.0015	0.0015	0.0020	01/12/24 10:59		
1,2,4-Trimethylbenzene	mg/Kg	<0.0008	0.0008	0.0020	01/12/24 10:59		
1,3,5-Trimethylbenzene	mg/Kg	<0.0009	0.0009	0.0020	01/12/24 10:59		
Vinyl Acetate	mg/Kg	<0.0040	0.0040	0.0400	01/12/24 10:59		
Vinyl Chloride	mg/Kg	<0.0007	0.0007	0.0020	01/12/24 10:59		
4-Bromofluorobenzene (S)					01/12/24 10:59	85.9	60-140
1,2-Dichloroethane - d4 (S)					01/12/24 10:59	74.2	60-140
Toluene-d8 (S)					01/12/24 10:59	81.8	60-140

Laboratory Control Sample & LCSD LCS-L727726 LCSD-L727726

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS %Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD
Acetone	mg/Kg	0.100	0.0733	0.0844	73.3	84.4	60-160	14.0	20

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Quality Control Data

Client ID: Ensafe
Project Description: Legends Park
Report No: 24-010-0197

QC Prep: L727726
QC Prep Batch Method: 5035
QC Analytical Batch(es): L727732
Analysis Method: 8260B
Analysis Description: Volatile Organic Compounds - GC/MS

Laboratory Control Sample & LCSD LCS-L727726 LCSD-L727726

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS %Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD
Acetonitrile	mg/Kg	1.00	0.723	0.813	72.3	81.3	40-140	11.7	20
Acrolein	mg/Kg	0.100	0.135	0.127	135	127	40-160	6.1	20
Acrylonitrile	mg/Kg	0.100	0.0843	0.0901	84.3	90.1	50-150	6.6	20
Benzene	mg/Kg	0.100	0.0913	0.0963	91.3	96.3	60-140	5.3	20
Bromobenzene	mg/Kg	0.100	0.103	0.115	103	115	60-140	11.0	20
Bromochloromethane	mg/Kg	0.100	0.0826	0.0899	82.6	89.9	60-140	8.4	20
Bromodichloromethane	mg/Kg	0.100	0.0959	0.105	95.9	105	60-140	9.0	20
Bromoform	mg/Kg	0.100	0.107	0.121	107	121	60-140	12.2	20
Bromomethane	mg/Kg	0.100	0.0775	0.0656	77.5	65.6	40-160	16.6	20
Methyl Ethyl Ketone (MEK)	mg/Kg	0.100	0.0772	0.0840	77.2	84.0	40-160	8.4	20
n-Butylbenzene	mg/Kg	0.100	0.115	0.127	115	127	60-140	9.9	20
sec-Butyl benzene	mg/Kg	0.100	0.109	0.122	109	122	60-140	11.2	20
tert-Butyl benzene	mg/Kg	0.100	0.106	0.119	106	119	60-140	11.5	20
Carbon Disulfide	mg/Kg	0.100	0.102	0.108	102	108	30-160	5.7	20
Carbon Tetrachloride	mg/Kg	0.100	0.0958	0.100	95.8	100	60-140	4.2	20
Chlorobenzene	mg/Kg	0.100	0.102	0.111	102	111	60-140	8.4	20
Chlorodibromomethane	mg/Kg	0.100	0.105	0.117	105	117	60-140	10.8	20
Chloroethane	mg/Kg	0.100	0.110	0.104	110	104	40-160	5.6	20
Chloroform	mg/Kg	0.100	0.0920	0.0986	92.0	98.6	60-140	6.9	20
Chloromethane	mg/Kg	0.100	0.101	0.0699	101	69.9	50-150	36.3*	20
2-Chlorotoluene	mg/Kg	0.100	0.105	0.117	105	117	60-140	10.8	20
4-Chlorotoluene	mg/Kg	0.100	0.110	0.123	110	123	60-140	11.1	20
1,2-Dibromo-3-Chloropropane	mg/Kg	0.100	0.0972	0.110	97.2	110	50-150	12.3	20
1,2-Dibromoethane	mg/Kg	0.100	0.0927	0.104	92.7	104	60-140	11.4	20
Dibromomethane	mg/Kg	0.100	0.0934	0.102	93.4	102	60-140	8.8	20
1,2-Dichlorobenzene	mg/Kg	0.100	0.108	0.119	108	119	60-140	9.6	20

* QC Fail

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Quality Control Data

Client ID: Ensafe
Project Description: Legends Park
Report No: 24-010-0197

QC Prep: L727726
QC Prep Batch Method: 5035
QC Analytical Batch(es): L727732
Analysis Method: 8260B
Analysis Description: Volatile Organic Compounds - GC/MS

Laboratory Control Sample & LCSD LCS-L727726 LCSD-L727726

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS %Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD
1,3-Dichlorobenzene	mg/Kg	0.100	0.112	0.123	112	123	60-140	9.3	20
1,4-Dichlorobenzene	mg/Kg	0.100	0.103	0.113	103	113	60-140	9.2	20
Dichlorodifluoromethane	mg/Kg	0.100	0.108	0.0334	108	33.4*	40-140	106*	20
1,1-Dichloroethane	mg/Kg	0.100	0.0957	0.0993	95.7	99.3	60-140	3.6	20
1,2-Dichloroethane	mg/Kg	0.100	0.0854	0.0925	85.4	92.5	60-140	7.9	20
1,1-Dichloroethene	mg/Kg	0.100	0.117	0.123	117	123	60-140	5.0	20
cis-1,2-Dichloroethene	mg/Kg	0.100	0.0969	0.103	96.9	103	60-140	6.1	20
trans-1,2-Dichloroethene	mg/Kg	0.100	0.101	0.106	101	106	60-140	4.8	20
1,2-Dichloropropane	mg/Kg	0.100	0.0926	0.100	92.6	100	60-140	7.6	20
1,3-Dichloropropane	mg/Kg	0.100	0.0883	0.101	88.3	101	60-140	13.4	20
2,2-Dichloropropane	mg/Kg	0.100	0.0994	0.105	99.4	105	60-140	5.4	20
1,1-Dichloropropene	mg/Kg	0.100	0.0967	0.102	96.7	102	60-140	5.3	20
cis-1,3-Dichloropropene	mg/Kg	0.100	0.101	0.110	101	110	60-140	8.5	20
trans-1,3-Dichloropropene	mg/Kg	0.100	0.0980	0.109	98.0	109	60-140	10.6	20
Ethyl Acetate	mg/Kg	0.100	0.0873	0.105	87.3	105	60-140	18.4	20
Ethylbenzene	mg/Kg	0.100	0.102	0.111	102	111	60-140	8.4	20
Hexachlorobutadiene	mg/Kg	0.100	0.118	0.130	118	130	40-160	9.6	20
2-Hexanone	mg/Kg	0.100	0.0833	0.0989	83.3	98.9	40-140	17.1	20
Iodomethane	mg/Kg	0.100	0.119	0.127	119	127	40-160	6.5	20
Isopropylbenzene	mg/Kg	0.100	0.101	0.112	101	112	60-140	10.3	20
4-Isopropyl toluene	mg/Kg	0.100	0.0990	0.111	99.0	111	60-140	11.4	20
4-Methyl-2-Pentanone	mg/Kg	0.100	0.0830	0.0977	83.0	97.7	40-140	16.2	20
Methylene Chloride	mg/Kg	0.100	0.0903	0.0960	90.3	96.0	60-140	6.1	20
Methyl tert-butyl ether (MTBE)	mg/Kg	0.100	0.0883	0.0976	88.3	97.6	60-140	10.0	20
m,p-Xylene	mg/Kg	0.200	0.206	0.225	103	113	60-140	8.8	20
Naphthalene	mg/Kg	0.100	0.108	0.120	108	120	50-150	10.5	20

* QC Fail

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Quality Control Data

Client ID: Ensafe
Project Description: Legends Park
Report No: 24-010-0197

QC Prep: L727726
QC Prep Batch Method: 5035
QC Analytical Batch(es): L727732
Analysis Method: 8260B
Analysis Description: Volatile Organic Compounds - GC/MS

Laboratory Control Sample & LCSD LCS-L727726 LCSD-L727726

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS %Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD
o-Xylene	mg/Kg	0.100	0.102	0.113	102	113	60-140	10.2	20
n-Propyl acetate	mg/Kg	0.100	0.108	0.127	108	127	40-160	16.1	20
n-Propylbenzene	mg/Kg	0.100	0.104	0.115	104	115	60-140	10.0	20
Styrene	mg/Kg	0.100	0.104	0.115	104	115	60-140	10.0	20
1,1,1,2-Tetrachloroethane	mg/Kg	0.100	0.105	0.116	105	116	60-140	9.9	20
1,1,2,2-Tetrachloroethane	mg/Kg	0.100	0.100	0.114	100	114	60-140	13.0	20
Tetrachloroethene	mg/Kg	0.100	0.108	0.114	108	114	60-140	5.4	20
Toluene	mg/Kg	0.100	0.101	0.108	101	108	60-140	6.6	20
1,2,3-Trichlorobenzene	mg/Kg	0.100	0.116	0.127	116	127	60-140	9.0	20
1,2,4-Trichlorobenzene	mg/Kg	0.100	0.127	0.139	127	139	60-140	9.0	20
1,1,1-Trichloroethane	mg/Kg	0.100	0.0992	0.104	99.2	104	60-140	4.7	20
1,1,2-Trichloroethane	mg/Kg	0.100	0.0964	0.109	96.4	109	60-140	12.2	20
Trichloroethene	mg/Kg	0.100	0.0991	0.105	99.1	105	60-140	5.7	20
Trichlorofluoromethane	mg/Kg	0.100	0.119	0.105	119	105	60-140	12.5	20
1,2,3-Trichloropropane	mg/Kg	0.100	0.0850	0.0962	85.0	96.2	60-140	12.3	20
1,2,4-Trimethylbenzene	mg/Kg	0.100	0.107	0.120	107	120	60-140	11.4	20
1,3,5-Trimethylbenzene	mg/Kg	0.100	0.108	0.120	108	120	60-140	10.5	20
Vinyl Acetate	mg/Kg	0.100	0.0827	0.0900	82.7	90.0	40-160	8.4	20
Vinyl Chloride	mg/Kg	0.100	0.108	0.0833	108	83.3	60-140	25.8*	20
4-Bromofluorobenzene (S)					106	118	60-140		
1,2-Dichloroethane - d4 (S)					83.2	90.4	60-140		
Toluene-d8 (S)					96.5	103	60-140		

* QC Fail

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Quality Control Data

Client ID: Ensafe
Project Description: Legends Park
Report No: 24-010-0197

QC Prep: L727773
QC Prep Batch Method: 5035
QC Analytical Batch(es): L727826
Analysis Method: 8260B
Analysis Description: Volatile Organic Compounds - GC/MS

Lab Reagent Blank LRB-L727773 Matrix: SOL
Associated Lab Samples: 99315, 99316, 99317, 99318, 99319, 99320, 99321, 99322, 99323, 99324

Parameter	Units	Blank Result	MDL	MQL	Analyzed	% Recovery	% Rec Limits
Acetone	mg/Kg	<0.0043	0.0043	0.0400	01/15/24 12:11		
Acetonitrile	mg/Kg	<0.0522	0.0522	0.200	01/15/24 12:11		
Acrolein	mg/Kg	<0.0082	0.0082	0.0400	01/15/24 12:11		
Acrylonitrile	mg/Kg	<0.0037	0.0037	0.0400	01/15/24 12:11		
Benzene	mg/Kg	<0.0003	0.0003	0.0020	01/15/24 12:11		
Bromobenzene	mg/Kg	<0.0007	0.0007	0.0020	01/15/24 12:11		
Bromochloromethane	mg/Kg	<0.0004	0.0004	0.0020	01/15/24 12:11		
Bromodichloromethane	mg/Kg	<0.0007	0.0007	0.0020	01/15/24 12:11		
Bromoform	mg/Kg	<0.0013	0.0013	0.0020	01/15/24 12:11		
Bromomethane	mg/Kg	<0.0016	0.0016	0.0020	01/15/24 12:11		
Methyl Ethyl Ketone (MEK)	mg/Kg	<0.0038	0.0038	0.0400	01/15/24 12:11		
n-Butylbenzene	mg/Kg	<0.0009	0.0009	0.0020	01/15/24 12:11		
sec-Butyl benzene	mg/Kg	<0.0009	0.0009	0.0020	01/15/24 12:11		
tert-Butyl benzene	mg/Kg	<0.0007	0.0007	0.0020	01/15/24 12:11		
Carbon Disulfide	mg/Kg	<0.0028	0.0028	0.0100	01/15/24 12:11		
Carbon Tetrachloride	mg/Kg	<0.0004	0.0004	0.0020	01/15/24 12:11		
Chlorobenzene	mg/Kg	<0.0007	0.0007	0.0020	01/15/24 12:11		
Chlorodibromomethane	mg/Kg	<0.0010	0.0010	0.0020	01/15/24 12:11		
Chloroethane	mg/Kg	<0.0008	0.0008	0.0020	01/15/24 12:11		
Chloroform	mg/Kg	<0.0005	0.0005	0.0020	01/15/24 12:11		
Chloromethane	mg/Kg	<0.0007	0.0007	0.0020	01/15/24 12:11		
2-Chlorotoluene	mg/Kg	<0.0009	0.0009	0.0020	01/15/24 12:11		
4-Chlorotoluene	mg/Kg	<0.0010	0.0010	0.0020	01/15/24 12:11		
1,2-Dibromo-3-Chloropropane	mg/Kg	<0.0065	0.0065	0.0100	01/15/24 12:11		
1,2-Dibromoethane	mg/Kg	<0.0009	0.0009	0.0020	01/15/24 12:11		
Dibromomethane	mg/Kg	<0.0006	0.0006	0.0020	01/15/24 12:11		
1,2-Dichlorobenzene	mg/Kg	<0.0014	0.0014	0.0020	01/15/24 12:11		

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Quality Control Data

Client ID: Ensafe
Project Description: Legends Park
Report No: 24-010-0197

QC Prep: L727773
QC Prep Batch Method: 5035
QC Analytical Batch(es): L727826
Analysis Method: 8260B
Analysis Description: Volatile Organic Compounds - GC/MS

Lab Reagent Blank LRB-L727773 Matrix: SOL
Associated Lab Samples: 99315, 99316, 99317, 99318, 99319, 99320, 99321, 99322, 99323, 99324

Parameter	Units	Blank Result	MDL	MQL	Analyzed	% Recovery	% Rec Limits
1,3-Dichlorobenzene	mg/Kg	<0.0013	0.0013	0.0020	01/15/24 12:11		
1,4-Dichlorobenzene	mg/Kg	<0.0015	0.0015	0.0020	01/15/24 12:11		
Dichlorodifluoromethane	mg/Kg	<0.0018	0.0018	0.0020	01/15/24 12:11		
1,1-Dichloroethane	mg/Kg	<0.0003	0.0003	0.0020	01/15/24 12:11		
1,2-Dichloroethane	mg/Kg	<0.0004	0.0004	0.0020	01/15/24 12:11		
1,1-Dichloroethene	mg/Kg	<0.0005	0.0005	0.0020	01/15/24 12:11		
cis-1,2-Dichloroethene	mg/Kg	<0.0005	0.0005	0.0020	01/15/24 12:11		
trans-1,2-Dichloroethene	mg/Kg	<0.0002	0.0002	0.0020	01/15/24 12:11		
1,2-Dichloropropane	mg/Kg	<0.0006	0.0006	0.0020	01/15/24 12:11		
1,3-Dichloropropane	mg/Kg	<0.0009	0.0009	0.0020	01/15/24 12:11		
2,2-Dichloropropane	mg/Kg	<0.0005	0.0005	0.0020	01/15/24 12:11		
1,1-Dichloropropene	mg/Kg	<0.0003	0.0003	0.0020	01/15/24 12:11		
cis-1,3-Dichloropropene	mg/Kg	<0.0007	0.0007	0.0020	01/15/24 12:11		
trans-1,3-Dichloropropene	mg/Kg	<0.0007	0.0007	0.0020	01/15/24 12:11		
Ethyl Acetate	mg/Kg	<0.0060	0.0060	0.0400	01/15/24 12:11		
Ethylbenzene	mg/Kg	<0.0006	0.0006	0.0020	01/15/24 12:11		
Hexachlorobutadiene	mg/Kg	<0.0009	0.0009	0.0020	01/15/24 12:11		
2-Hexanone	mg/Kg	<0.0060	0.0060	0.0100	01/15/24 12:11		
Iodomethane	mg/Kg	<0.0045	0.0045	0.0100	01/15/24 12:11		
Isopropylbenzene	mg/Kg	<0.0007	0.0007	0.0020	01/15/24 12:11		
4-Isopropyl toluene	mg/Kg	<0.0009	0.0009	0.0020	01/15/24 12:11		
4-Methyl-2-Pentanone	mg/Kg	<0.0058	0.0058	0.0100	01/15/24 12:11		
Methylene Chloride	mg/Kg	<0.0027	0.0027	0.0100	01/15/24 12:11		
Methyl tert-butyl ether (MTBE)	mg/Kg	<0.0006	0.0006	0.0020	01/15/24 12:11		
m,p-Xylene	mg/Kg	<0.0014	0.0014	0.0040	01/15/24 12:11		
Naphthalene	mg/Kg	<0.0063	0.0063	0.0100	01/15/24 12:11		
o-Xylene	mg/Kg	<0.0007	0.0007	0.0020	01/15/24 12:11		

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Quality Control Data

Client ID: Ensafe
Project Description: Legends Park
Report No: 24-010-0197

QC Prep: L727773
QC Prep Batch Method: 5035
QC Analytical Batch(es): L727826
Analysis Method: 8260B
Analysis Description: Volatile Organic Compounds - GC/MS

Lab Reagent Blank LRB-L727773 Matrix: SOL
Associated Lab Samples: 99315, 99316, 99317, 99318, 99319, 99320, 99321, 99322, 99323, 99324

Parameter	Units	Blank Result	MDL	MQL	Analyzed	% Recovery	% Rec Limits
n-Propyl acetate	mg/Kg	<0.0067	0.0067	0.0100	01/15/24 12:11		
n-Propylbenzene	mg/Kg	<0.0006	0.0006	0.0020	01/15/24 12:11		
Styrene	mg/Kg	<0.0011	0.0011	0.0020	01/15/24 12:11		
1,1,1,2-Tetrachloroethane	mg/Kg	<0.0008	0.0008	0.0020	01/15/24 12:11		
1,1,2,2-Tetrachloroethane	mg/Kg	<0.0018	0.0018	0.0020	01/15/24 12:11		
Tetrachloroethene	mg/Kg	<0.0007	0.0007	0.0020	01/15/24 12:11		
Toluene	mg/Kg	<0.0032	0.0032	0.0040	01/15/24 12:11		
1,2,3-Trichlorobenzene	mg/Kg	<0.0020	0.0020	0.0020	01/15/24 12:11		
1,2,4-Trichlorobenzene	mg/Kg	<0.0011	0.0011	0.0020	01/15/24 12:11		
1,1,1-Trichloroethane	mg/Kg	<0.0003	0.0003	0.0020	01/15/24 12:11		
1,1,2-Trichloroethane	mg/Kg	<0.0010	0.0010	0.0020	01/15/24 12:11		
Trichloroethene	mg/Kg	<0.0009	0.0009	0.0020	01/15/24 12:11		
Trichlorofluoromethane	mg/Kg	<0.0008	0.0008	0.0020	01/15/24 12:11		
1,2,3-Trichloropropane	mg/Kg	<0.0015	0.0015	0.0020	01/15/24 12:11		
1,2,4-Trimethylbenzene	mg/Kg	<0.0008	0.0008	0.0020	01/15/24 12:11		
1,3,5-Trimethylbenzene	mg/Kg	<0.0009	0.0009	0.0020	01/15/24 12:11		
Vinyl Acetate	mg/Kg	<0.0040	0.0040	0.0400	01/15/24 12:11		
Vinyl Chloride	mg/Kg	<0.0007	0.0007	0.0020	01/15/24 12:11		
4-Bromofluorobenzene (S)					01/15/24 12:11	83.7	60-140
1,2-Dichloroethane - d4 (S)					01/15/24 12:11	77.6	60-140
Toluene-d8 (S)					01/15/24 12:11	80.9	60-140

Laboratory Control Sample & LCSD LCS-L727773 LCSD-L727773

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS %Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD
Acetone	mg/Kg	0.100	0.127	0.0863	127	86.3	60-160	38.1*	20

* QC Fail

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Quality Control Data

Client ID: Ensafe
Project Description: Legends Park
Report No: 24-010-0197

QC Prep: L727773
QC Prep Batch Method: 5035
QC Analytical Batch(es): L727826
Analysis Method: 8260B
Analysis Description: Volatile Organic Compounds - GC/MS

Laboratory Control Sample & LCSD LCS-L727773 LCSD-L727773

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS %Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD
Acetonitrile	mg/Kg	1.00	0.741	0.841	74.1	84.1	40-140	12.6	20
Acrolein	mg/Kg	0.100	0.129	0.143	129	143	40-160	10.2	20
Acrylonitrile	mg/Kg	0.100	0.0654	0.0831	65.4	83.1	50-150	23.8*	20
Benzene	mg/Kg	0.100	0.0768	0.0918	76.8	91.8	60-140	17.7	20
Bromobenzene	mg/Kg	0.100	0.0863	0.104	86.3	104	60-140	18.6	20
Bromochloromethane	mg/Kg	0.100	0.0777	0.0889	77.7	88.9	60-140	13.4	20
Bromodichloromethane	mg/Kg	0.100	0.0890	0.104	89.0	104	60-140	15.5	20
Bromoform	mg/Kg	0.100	0.0968	0.111	96.8	111	60-140	13.6	20
Bromomethane	mg/Kg	0.100	0.0790	0.0877	79.0	87.7	40-160	10.4	20
Methyl Ethyl Ketone (MEK)	mg/Kg	0.100	0.0780	0.0865	78.0	86.5	40-160	10.3	20
n-Butylbenzene	mg/Kg	0.100	0.0895	0.113	89.5	113	60-140	23.2*	20
sec-Butyl benzene	mg/Kg	0.100	0.0881	0.111	88.1	111	60-140	23.0*	20
tert-Butyl benzene	mg/Kg	0.100	0.0854	0.108	85.4	108	60-140	23.3*	20
Carbon Disulfide	mg/Kg	0.100	0.0767	0.0976	76.7	97.6	30-160	23.9*	20
Carbon Tetrachloride	mg/Kg	0.100	0.0761	0.0976	76.1	97.6	60-140	24.7*	20
Chlorobenzene	mg/Kg	0.100	0.0876	0.106	87.6	106	60-140	19.0	20
Chlorodibromomethane	mg/Kg	0.100	0.0975	0.114	97.5	114	60-140	15.6	20
Chloroethane	mg/Kg	0.100	0.0994	0.108	99.4	108	40-160	8.2	20
Chloroform	mg/Kg	0.100	0.0810	0.0964	81.0	96.4	60-140	17.3	20
Chloromethane	mg/Kg	0.100	0.0883	0.0983	88.3	98.3	50-150	10.7	20
2-Chlorotoluene	mg/Kg	0.100	0.0862	0.106	86.2	106	60-140	20.6*	20
4-Chlorotoluene	mg/Kg	0.100	0.0893	0.111	89.3	111	60-140	21.6*	20
1,2-Dibromo-3-Chloropropane	mg/Kg	0.100	0.0831	0.0944	83.1	94.4	50-150	12.7	20
1,2-Dibromoethane	mg/Kg	0.100	0.0906	0.105	90.6	105	60-140	14.7	20
Dibromomethane	mg/Kg	0.100	0.0919	0.103	91.9	103	60-140	11.3	20
1,2-Dichlorobenzene	mg/Kg	0.100	0.0850	0.102	85.0	102	60-140	18.1	20

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Quality Control Data

Client ID: Ensafe
Project Description: Legends Park
Report No: 24-010-0197

QC Prep: L727773
QC Prep Batch Method: 5035
QC Analytical Batch(es): L727826
Analysis Method: 8260B
Analysis Description: Volatile Organic Compounds - GC/MS

Laboratory Control Sample & LCSD LCS-L727773 LCSD-L727773

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS %Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD
1,3-Dichlorobenzene	mg/Kg	0.100	0.0881	0.108	88.1	108	60-140	20.2*	20
1,4-Dichlorobenzene	mg/Kg	0.100	0.0812	0.0993	81.2	99.3	60-140	20.0*	20
Dichlorodifluoromethane	mg/Kg	0.100	0.0946	0.0968	94.6	96.8	40-140	2.2	20
1,1-Dichloroethane	mg/Kg	0.100	0.0783	0.0949	78.3	94.9	60-140	19.1	20
1,2-Dichloroethane	mg/Kg	0.100	0.0809	0.0915	80.9	91.5	60-140	12.2	20
1,1-Dichloroethene	mg/Kg	0.100	0.0847	0.112	84.7	112	60-140	27.7*	20
cis-1,2-Dichloroethene	mg/Kg	0.100	0.0826	0.0978	82.6	97.8	60-140	16.8	20
trans-1,2-Dichloroethene	mg/Kg	0.100	0.0778	0.0980	77.8	98.0	60-140	22.9*	20
1,2-Dichloropropane	mg/Kg	0.100	0.0828	0.0979	82.8	97.9	60-140	16.7	20
1,3-Dichloropropane	mg/Kg	0.100	0.0841	0.0974	84.1	97.4	60-140	14.6	20
2,2-Dichloropropane	mg/Kg	0.100	0.0777	0.0972	77.7	97.2	60-140	22.2*	20
1,1-Dichloropropene	mg/Kg	0.100	0.0752	0.0935	75.2	93.5	60-140	21.6*	20
cis-1,3-Dichloropropene	mg/Kg	0.100	0.0939	0.110	93.9	110	60-140	15.7	20
trans-1,3-Dichloropropene	mg/Kg	0.100	0.0916	0.108	91.6	108	60-140	16.4	20
Ethyl Acetate	mg/Kg	0.100	0.0949	0.109	94.9	109	60-140	13.8	20
Ethylbenzene	mg/Kg	0.100	0.0858	0.106	85.8	106	60-140	21.0*	20
Hexachlorobutadiene	mg/Kg	0.100	0.0858	0.109	85.8	109	40-160	23.8*	20
2-Hexanone	mg/Kg	0.100	0.0756	0.0872	75.6	87.2	40-140	14.2	20
Iodomethane	mg/Kg	0.100	0.0985	0.122	98.5	122	40-160	21.3*	20
Isopropylbenzene	mg/Kg	0.100	0.0826	0.105	82.6	105	60-140	23.8*	20
4-Isopropyl toluene	mg/Kg	0.100	0.0796	0.0999	79.6	99.9	60-140	22.6*	20
4-Methyl-2-Pentanone	mg/Kg	0.100	0.0773	0.0911	77.3	91.1	40-140	16.3	20
Methylene Chloride	mg/Kg	0.100	0.0751	0.0900	75.1	90.0	60-140	18.0	20
Methyl tert-butyl ether (MTBE)	mg/Kg	0.100	0.0852	0.0963	85.2	96.3	60-140	12.2	20
m,p-Xylene	mg/Kg	0.200	0.174	0.214	87.0	107	60-140	20.6*	20
Naphthalene	mg/Kg	0.100	0.0871	0.103	87.1	103	50-150	16.7	20

* QC Fail

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Quality Control Data

Client ID: Ensafe
Project Description: Legends Park
Report No: 24-010-0197

QC Prep: L727773
QC Prep Batch Method: 5035
QC Analytical Batch(es): L727826
Analysis Method: 8260B
Analysis Description: Volatile Organic Compounds - GC/MS

Laboratory Control Sample & LCSD LCS-L727773 LCSD-L727773

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS %Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD
o-Xylene	mg/Kg	0.100	0.0865	0.106	86.5	106	60-140	20.2*	20
n-Propyl acetate	mg/Kg	0.100	0.101	0.120	101	120	40-160	17.1	20
n-Propylbenzene	mg/Kg	0.100	0.0855	0.107	85.5	107	60-140	22.3*	20
Styrene	mg/Kg	0.100	0.0878	0.107	87.8	107	60-140	19.7	20
1,1,1,2-Tetrachloroethane	mg/Kg	0.100	0.0905	0.108	90.5	108	60-140	17.6	20
1,1,2,2-Tetrachloroethane	mg/Kg	0.100	0.0874	0.101	87.4	101	60-140	14.4	20
Tetrachloroethene	mg/Kg	0.100	0.0891	0.111	89.1	111	60-140	21.8*	20
Toluene	mg/Kg	0.100	0.0870	0.104	87.0	104	60-140	17.8	20
1,2,3-Trichlorobenzene	mg/Kg	0.100	0.0861	0.105	86.1	105	60-140	19.7	20
1,2,4-Trichlorobenzene	mg/Kg	0.100	0.0955	0.116	95.5	116	60-140	19.3	20
1,1,1-Trichloroethane	mg/Kg	0.100	0.0796	0.0980	79.6	98.0	60-140	20.7*	20
1,1,2-Trichloroethane	mg/Kg	0.100	0.0917	0.106	91.7	106	60-140	14.4	20
Trichloroethene	mg/Kg	0.100	0.0821	0.0992	82.1	99.2	60-140	18.8	20
Trichlorofluoromethane	mg/Kg	0.100	0.108	0.118	108	118	60-140	8.8	20
1,2,3-Trichloropropane	mg/Kg	0.100	0.0805	0.0927	80.5	92.7	60-140	14.0	20
1,2,4-Trimethylbenzene	mg/Kg	0.100	0.0882	0.109	88.2	109	60-140	21.0*	20
1,3,5-Trimethylbenzene	mg/Kg	0.100	0.0888	0.111	88.8	111	60-140	22.2*	20
Vinyl Acetate	mg/Kg	0.100	0.0805	0.0902	80.5	90.2	40-160	11.3	20
Vinyl Chloride	mg/Kg	0.100	0.0969	0.105	96.9	105	60-140	8.0	20
4-Bromofluorobenzene (S)					88.9	107	60-140		
1,2-Dichloroethane - d4 (S)					79.3	88.7	60-140		
Toluene-d8 (S)					83.3	100	60-140		

* QC Fail

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Quality Control Data

Client ID: Ensafe
Project Description: Legends Park
Report No: 24-010-0197

QC Prep: L727933
QC Prep Batch Method: 5035
QC Analytical Batch(es): L727950
Analysis Method: 8260B
Analysis Description: Volatile Organic Compounds - GC/MS

Lab Reagent Blank LRB-L727933 Matrix: SOL
Associated Lab Samples: 99316, 99321, 99322

Parameter	Units	Blank Result	MDL	MQL	Analyzed	% Recovery	% Rec Limits
cis-1,2-Dichloroethene	mg/Kg	<0.0005	0.0005	0.0020	01/16/24 11:13		
4-Bromofluorobenzene (S)					01/16/24 11:13	83.2	60-140
1,2-Dichloroethane - d4 (S)					01/16/24 11:13	65.5	60-140
Toluene-d8 (S)					01/16/24 11:13	79.1	60-140

Laboratory Control Sample & LCSD LCS-L727933 LCSD-L727933

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS %Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD
cis-1,2-Dichloroethene	mg/Kg	0.100	0.0887	0.0724	88.7	72.4	60-140	20.2*	20
4-Bromofluorobenzene (S)					93.4	77.1	60-140		
1,2-Dichloroethane - d4 (S)					81.1	66.7	60-140		
Toluene-d8 (S)					89.6	72.5	60-140		

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Quality Control Data

Client ID: Ensafe
Project Description: Legends Park
Report No: 24-010-0197

QC Prep: L727270
QC Prep Batch Method: 3550B
QC Analytical Batch(es): L727510
Analysis Method: 8270D SIM
Analysis Description: Semivolatile Organic Compounds - GC/MS (SIM)

Lab Reagent Blank LRB-L727270 Matrix: SOL
Associated Lab Samples: 99313, 99314, 99315, 99316, 99317, 99318, 99319, 99320, 99321, 99322, 99323, 99324

Parameter	Units	Blank Result	MDL	MQL	Analyzed	% Recovery	% Rec Limits
Acenaphthene	mg/Kg	<0.000304	0.000304	0.000670	01/11/24 16:17		
Acenaphthylene	mg/Kg	<0.000270	0.000270	0.000670	01/11/24 16:17		
Anthracene	mg/Kg	<0.000334	0.000334	0.000670	01/11/24 16:17		
Benzo(a)anthracene	mg/Kg	<0.000493	0.000493	0.000670	01/11/24 16:17		
Benzo(a)pyrene	mg/Kg	<0.000468	0.000468	0.000670	01/11/24 16:17		
Benzo(b)fluoranthene	mg/Kg	<0.000585	0.000585	0.000670	01/11/24 16:17		
Benzo(g,h,i)perylene	mg/Kg	<0.000639	0.000639	0.000670	01/11/24 16:17		
Benzo(k)fluoranthene	mg/Kg	<0.000437	0.000437	0.000670	01/11/24 16:17		
Chrysene	mg/Kg	<0.000624	0.000624	0.000670	01/11/24 16:17		
Dibenz(a,h)anthracene	mg/Kg	<0.000614	0.000614	0.000670	01/11/24 16:17		
Fluoranthene	mg/Kg	<0.000394	0.000394	0.000670	01/11/24 16:17		
Fluorene	mg/Kg	<0.000286	0.000286	0.000670	01/11/24 16:17		
Indeno(1,2,3-cd)pyrene	mg/Kg	<0.000627	0.000627	0.000670	01/11/24 16:17		
2-Methylnaphthalene	mg/Kg	<0.00194	0.00194	0.00201	01/11/24 16:17		
Naphthalene	mg/Kg	<0.00145	0.00145	0.00201	01/11/24 16:17		
Phenanthrene	mg/Kg	<0.000421	0.000421	0.000670	01/11/24 16:17		
Pyrene	mg/Kg	<0.000643	0.000643	0.000670	01/11/24 16:17		
2-Fluorobiphenyl (S)					01/11/24 16:17	54.0	33-115
Nitrobenzene-d5 (S)					01/11/24 16:17	53.4	29-110
4-Terphenyl-d14 (S)					01/11/24 16:17	60.6	33-122

Laboratory Control Sample LCS-L727270

Parameter	Units	Spike Conc.	LCS Result	LCS %Rec	% Rec Limits
Acenaphthene	mg/Kg	0.167	0.0854	51.1	30-130
Acenaphthylene	mg/Kg	0.167	0.0839	50.2	30-130
Anthracene	mg/Kg	0.167	0.0878	52.5	30-130

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Quality Control Data

Client ID: Ensafe
Project Description: Legends Park
Report No: 24-010-0197

QC Prep: L727270
QC Prep Batch Method: 3550B
QC Analytical Batch(es): L727510
Analysis Method: 8270D SIM
Analysis Description: Semivolatile Organic Compounds - GC/MS (SIM)

Laboratory Control Sample LCS-L727270

Parameter	Units	Spike Conc.	LCS Result	LCS %Rec	% Rec Limits
Benzo(a)anthracene	mg/Kg	0.167	0.0848	50.7	30-130
Benzo(a)pyrene	mg/Kg	0.167	0.0938	56.1	30-130
Benzo(b)fluoranthene	mg/Kg	0.167	0.0647	38.7	30-130
Benzo(g,h,i)perylene	mg/Kg	0.167	0.0792	47.4	30-130
Benzo(k)fluoranthene	mg/Kg	0.167	0.0750	44.9	30-130
Chrysene	mg/Kg	0.167	0.0947	56.7	30-130
Dibenz(a,h)anthracene	mg/Kg	0.167	0.128	76.6	30-130
Fluoranthene	mg/Kg	0.167	0.0877	52.5	30-130
Fluorene	mg/Kg	0.167	0.0869	52.0	30-130
Indeno(1,2,3-cd)pyrene	mg/Kg	0.167	0.101	60.4	30-130
2-Methylnaphthalene	mg/Kg	0.167	0.0763	45.6	30-130
Naphthalene	mg/Kg	0.167	0.0738	44.1	30-130
Phenanthrene	mg/Kg	0.167	0.0855	51.1	30-130
Pyrene	mg/Kg	0.167	0.0876	52.4	30-130
2-Fluorobiphenyl (S)				55.8	33-115
Nitrobenzene-d5 (S)				54.0	29-110
4-Terphenyl-d14 (S)				58.5	33-122

Matrix Spike & Matrix Spike Duplicate L 99314-MS-L727270 L 99314-MSD-L727270

Parameter	Units	Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS %Rec	MSD %Rec	%Rec Limits	RPD	Max RPD
Acenaphthene	mg/Kg	0.00340	0.162	0.166	0.134	0.0973	80.6	56.5	30-130	31.7*	30
Acenaphthylene	mg/Kg	0.000817	0.162	0.166	0.0907	0.0904	55.4	53.9	30-130	0.3	30
Anthracene	mg/Kg	0.0104	0.162	0.166	0.197	0.110	115	60.0	30-130	56.6*	30
Benzo(a)anthracene	mg/Kg	0.0493	0.162	0.166	0.473	0.155	262*	63.6	30-130	101*	30
Benzo(a)pyrene	mg/Kg	0.0561	0.162	0.166	0.364	0.169	190*	68.0	30-130	73.1*	30

* QC Fail

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Quality Control Data

Client ID: Ensafe
Project Description: Legends Park
Report No: 24-010-0197

QC Prep: L727270
QC Prep Batch Method: 3550B
QC Analytical Batch(es): L727510
Analysis Method: 8270D SIM
Analysis Description: Semivolatile Organic Compounds - GC/MS (SIM)

Matrix Spike & Matrix Spike Duplicate L 99314-MS-L727270 L 99314-MSD-L727270

Parameter	Units	Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS %Rec	MSD %Rec	%Rec Limits	RPD	Max RPD
Benzo(b)fluoranthene	mg/Kg	0.0443	0.162	0.166	0.415	0.117	229*	43.7	30-130	112*	30
Benzo(g,h,i)perylene	mg/Kg	0.0253	0.162	0.166	0.214	0.113	116	52.8	30-130	61.7*	30
Benzo(k)fluoranthene	mg/Kg	0.0190	0.162	0.166	0.195	0.0866	109	40.7	30-130	76.9*	30
Chrysene	mg/Kg	0.0598	0.162	0.166	0.470	0.168	253*	65.1	30-130	94.6*	30
Dibenz(a,h)anthracene	mg/Kg	0.0107	0.162	0.166	0.200	0.146	117	81.5	30-130	31.2*	30
Fluoranthene	mg/Kg	0.102	0.162	0.166	0.872	0.211	475*	65.6	30-130	122*	30
Fluorene	mg/Kg	0.00251	0.162	0.166	0.124	0.0969	74.9	56.8	30-130	24.5	30
Indeno(1,2,3-cd)pyrene	mg/Kg	0.0312	0.162	0.166	0.257	0.134	139*	61.9	30-130	62.9*	30
2-Methylnaphthalene	mg/Kg	<0.00194	0.162	0.166	0.0854	0.0821	52.7	49.4	30-130	3.9	30
Naphthalene	mg/Kg	<0.00145	0.162	0.166	0.0837	0.0783	51.6	47.1	30-130	6.6	30
Phenanthrene	mg/Kg	0.0479	0.162	0.166	0.626	0.167	357*	71.7	30-130	116*	30
Pyrene	mg/Kg	0.0819	0.162	0.166	0.567	0.180	299*	59.0	30-130	104*	30
2-Fluorobiphenyl (S)							48.9	51.3	33-115		
Nitrobenzene-d5 (S)							48.6	49.2	29-110		
4-Terphenyl-d14 (S)							49.2	52.8	33-122		

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Quality Control Data

Client ID: **Ensafe**
Project Description: **Legends Park**
Report No: **24-010-0197**

QC Analytical Batch: L727302
Analysis Method: SW-DRYWT
Analysis Description: Dry Weight Determination

Duplicate L 99317-DUP

Parameter	Units	Result	DUP Result	RPD	Max RPD	Analyzed
Moisture	%	18.2	17.3	5.0	20.0	01/11/24 10:57

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Quality Control Data

Client ID: **Ensafe**
Project Description: **Legends Park**
Report No: **24-010-0197**

QC Analytical Batch: L727324
Analysis Method: SW-DRYWT
Analysis Description: Dry Weight Determination

Duplicate L 99324-DUP

Parameter	Units	Result	DUP Result	RPD	Max RPD	Analyzed
Moisture	%	20.5	20.3	0.9	20.0	01/11/24 11:33

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Quality Control Data

Client ID: Ensafe
Project Description: Legends Park
Report No: 24-010-0197

QC Prep: L727448
QC Prep Batch Method: 3550B
QC Analytical Batch(es): L727712
Analysis Method: TN EPH
Analysis Description: TN EPH

Lab Reagent Blank LRB-L727448 Matrix: SOL
Associated Lab Samples: 99313, 99314, 99315, 99316, 99317, 99318, 99319, 99320, 99321, 99322, 99323, 99324

Parameter	Units	Blank Result	MDL	MQL	Analyzed	% Recovery	% Rec Limits
Diesel Range Organics (C10-C28)	mg/Kg	<3.00	3.00	3.30	01/12/24 22:47		
Oil Range Organics (>C28-C40)	mg/Kg	<3.00	3.00	3.30	01/12/24 22:47		
OTP Surrogate (S)					01/12/24 11:53	163	50-150

Laboratory Control Sample LCS-L727448

Parameter	Units	Spike Conc.	LCS Result	LCS %Rec	% Rec Limits
Diesel Range Organics (C10-C28)	mg/Kg	33.3	31.1	93.3	50-150
Oil Range Organics (>C28-C40)	mg/Kg	33.3	26.9	80.7	50-150
OTP Surrogate (S)				162*	50-150

Matrix Spike & Matrix Spike Duplicate L 99316-MS-L727448 L 99316-MSD-L727448

Parameter	Units	Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS %Rec	MSD %Rec	%Rec Limits	RPD	Max RPD
Diesel Range Organics (C10-C28)	mg/Kg	39.3	32.5	32.9	32.1	37.9	0.0*	0.0*	50-150	16.5	30
Oil Range Organics (>C28-C40)	mg/Kg	29.3	32.5	32.9	26.7	32.8	0.0*	10.6*	50-150	20.5	30
OTP Surrogate (S)							77.6	92.2	50-150		

* QC Fail

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Shipment Receipt Form

Customer Number: **03180**
Customer Name: **Ensafe**
Report Number: **24-010-0197**

Shipping Method

◯ Fed Ex	◯ US Postal	◯ Lab	◯ Other :	
◯ UPS	◉ Client	◯ Courier	Thermometer ID:	T137

Shipping container/cooler uncompromised?	◉ Yes	◯ No	
Number of coolers/boxes received	1		
Custody seals intact on shipping container/cooler?	◯ Yes	◯ No	◉ Not Present
Custody seals intact on sample bottles?	◯ Yes	◯ No	◉ Not Present
Chain of Custody (COC) present?	◉ Yes	◯ No	
COC agrees with sample label(s)?	◉ Yes	◯ No	
COC properly completed	◉ Yes	◯ No	
Samples in proper containers?	◉ Yes	◯ No	
Sample containers intact?	◉ Yes	◯ No	
Sufficient sample volume for indicated test(s)?	◉ Yes	◯ No	
All samples received within holding time?	◉ Yes	◯ No	
Cooler temperature in compliance?	◉ Yes	◯ No	
Cooler/Samples arrived at the laboratory on ice. Samples were considered acceptable as cooling process had begun.	◉ Yes	◯ No	
Water - Sample containers properly preserved	◉ Yes	◯ No	◯ N/A
Water - VOA vials free of headspace	◉ Yes	◯ No	◯ N/A
Trip Blanks received with VOAs	◉ Yes	◯ No	◯ N/A
Soil VOA method 5035 – compliance criteria met	◯ Yes	◯ No	◉ N/A

☐ High concentration container (48 hr) ☐ Low concentration EnCore samplers (48 hr)
☐ High concentration pre-weighed (methanol -14 d) ☐ Low conc pre-weighed vials (Sod Bis -14 d)

Special precautions or instructions included?	◯ Yes	◉ No

Comments:

Signature: Amber Smith Date & Time: 01/10/2024 16:42:35

CHAIN OF CUSTODY AND ANALYTICAL REQUEST RECORD

ENSAFE
EnSafe Inc.
800-588-7962

COC No. DJ 01102024-01 | Page 1 of 1

Project Name: Extent Sampling at Legends Park | PO No. [redacted] | Project No. 08883680l | Phase 001.1.3

Site Location: Legends Park

Send Results To: wgoodnight@ensafe.com

Sampler/Site Phone# 9012293291

Lab Name: Waypoint | Turnaround Time(specify): 2 day TAT

Sample Analysis Requested (*Enter number of containers for each test*)

Lab ID	Sample ID (sys_samp_code)	Location ID (sys_loc_code)	(mm/dd/yy)	Time (Military) (hhmm)	Matrix Code (1)	Sample Type (2)	Field Filtered (Y/N)	(3)→ Total No. of Containers	VOC-8260	8270 SIM-PAH	6010-RCRA 13 metals	TN-EPH	Extra Volume for MS/MSD	HOLD
	LEG TB 011024	—	01/10/24	0847	WQ	TB	N	2	2					
	LEG SSB 42C-01	SB42	01/10/24	0925	SO	N		6	4	1	1			
	LEG SSB 42C-02	↓		0925	SO	N		↓	↓	↓	↓			
	LEG SSB 42C-03			0950	SO	N								
	LEG SSB 42C-04	↓		0950	SO	N								
	LEG SSB 25C-01	SB25		1045	SO	N								
	LEG SSB 25C-02	↓		1045	SO	N								
	LEG SSB 25C-03			1045	SO	N								
	LEG SSB 25C-04	↓		1045	SO	N								
	LEG SSB 28C-01	SB28		1140	SO	N								
	LEG SSB 28C-02	↓		1140	SO	N								
	LEG SSB 28C-03			1140	SO	N								
	LEG SSB 28C-04	↓	↓	1140	SO	N	↓	↓	↓	↓	↓			

24-010-0197
03180
01-10-2024
16:32:34
Ensafe
Legends Park

***Field* Comments:**
As applicable, please analyze EPH from excess soil.

***Lab* Comments:** 2.6 +137 AS 2.2, 2.3

Sample Shipment and Delivery Details
Number of coolers in shipment: 3
Samples Iced?(check) Yes ✓ No
Method of Shipment:
Airbill No:
Date Shipped:

Relinquished by (signature)	Date	Time	Received by (signature)	Date	Time
1	1/19/24	1324	1 Mallory Earle	1/10/24	13:24
2			2		
3			3		

(1) **Matrix Code**: **AA**=Air, **AQ**=Air QC Matrix, **CK**=Caulk, **GS**=Soil Gas, **LF**=Free Product, **LH**=Liquid Waste, **MS**=Mastic, **Oil**=Oil, **PT**=Paint, **SC**=Cement/Concrete, **SE**=Sediment, **SF**=Filter Sandpack, **SL**=Sludge, **SN**=Miscellaneous Solid/Building Materials, **SO**=Soil, **SQ**=Soil/Solid QC Matrix, **ST**=Solid Waste, **SW**=Swab/Wipe, **TA**=Animal Tissue, **TP**=Plant Tissue, **WG**=Ground Water, **WL**=Leachate, **WO**=Ocean Water, **WP**=Drinking Water, **WQ**=Water QC Matrix, **WS**=Surface Water, **SU**=Storm Water, **WW**=Waste Water
(2) **Sample Type**: **AB**=Ambient Blank, **EB**=Equipment Blank, **FB**=Field Blank, **FD**=Field Duplicate Sample, **FR**=Field Replicate, **MB**=Material Blank, **N**=Normal Environmental Sample, **RB**=Material Rinse Blank, **TB**=Trip Blank
(3) **Preservative added**: **HA**=Hydrochloric Acid, **NI**=Nitric Acid, **SH**=Sodium Hydroxide, **SA**=Sulfuric Acid, **AA**=Ascorbic Acid, **HX**=Hexane, **ME**=Methanol, **SB**=sodium bisulfate, **ST**=Sodium Thiosulfate, If **NO preservative** added leave blank

Rev. 12/12

Waypoint ANALYTICAL

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1/26/2024

Ensafe
Mr. Wesley Goodnight
5724 Summer Tree Drive
Memphis, TN, 38134

Ref: Analytical Testing
Lab Report Number: 24-024-0046
Client Project Description: Legends Park
198 N. Pauline-Memphis, TN
Project No. 0888836801

Dear Mr. Wesley Goodnight:
Waypoint Analytical, LLC. received sample(s) on 1/24/2024 for the analyses presented in the following report.

The above referenced project has been analyzed per your instructions. The analyses were performed in accordance with the applicable analytical method. Where the laboratory was not responsible for the sampling stage (refer to the chain of custody) results apply to the sample as received.

The analytical data has been validated using standard quality control measures performed as required by the analytical method. Quality Assurance, method validations, instrumentation maintenance and calibration for all parameters (NELAP and non-NELAP) were performed in accordance with guidelines established by the USEPA (including 40 CFR 136 Method Update Rule May 2021) and NELAC unless otherwise indicated. Any parameter for which the laboratory is not officially NELAP accredited is indicated by a '~' symbol. These are not included in the scope because NELAP accreditation is either not available or has not been applied for. Additional certifications may be held/are available for parameters, where NELAP accreditation is not required or applicable. A full list of certifications is available upon request.

Certain parameters (chlorine, pH, dissolved oxygen, sulfite...) are required to be analyzed within 15 minutes of sampling. Usually, but not always, any field parameter analyzed at the laboratory is outside of this holding time. Refer to sample analysis time for confirmation of holding time compliance.

The results are shown on the attached Report of Analysis(s). Results for solid matrices are reported on an as-received basis unless otherwise indicated. This report shall not be reproduced except in full and relates only to the samples included in this report.

Please do not hesitate to contact me or client services if you have any questions or need additional information.

Sincerely,

Rebekah Ross

Rebekah Ross
Project Manager

Laboratory's liability in any claim relating to analyses performed shall be limited to, at laboratory's option, repeating the analysis in question at laboratory's expense, or the refund of the charges paid for performance of said analysis.

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Certification Summary

Laboratory ID: WP MTN: Waypoint Analytical, LLC., Memphis, TN

State	Program	Lab ID	Expiration Date
Alabama	State Program	40750	02/29/2024
Arkansas	State Program	88-0650	02/07/2024
California	State Program	2904	06/30/2024
Florida	State Program - NELAP	E871157	06/30/2024
Georgia	State Program	C044	11/14/2025
Georgia	State Program	04015	06/30/2024
Illinois	State Program - NELAP	200078	10/31/2024
Kentucky	State Program	80215	06/30/2024
Kentucky	State Program	KY90047	12/31/2024
Louisiana	State Program - NELAP	LA037	12/31/2024
Louisiana	State Program - NELAP	04015	06/30/2024
Mississippi	State Program	MS	11/14/2025
North Carolina	State Program	47701	07/31/2024
North Carolina	State Program	415	12/31/2024
Pennsylvania	State Program - NELAP	68-03195	05/31/2024
South Carolina	State Program	84002	06/30/2024
Tennessee	State Program	02027	11/14/2025
Texas	State Program - NELAP	T104704180	09/30/2024
Virginia	State Program	00106	06/30/2024
Virginia	State Program - NELAP	460181	09/14/2024

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Sample Summary Table

Report Number: **24-024-0046**

Client Project Description: **Legends Park**
198 N. Pauline-Memphis, TN
Project No. 0888836801

Lab No	Client Sample ID	Matrix	Date Collected	Date Received
90629	LEGSSB42C-03A	Solids	01/24/2024 09:47	01/24/2024

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03180
Ensafe
Mr. Wesley Goodnight
5724 Summer Tree Drive
Memphis , TN 38134

Project Legends Park

Information : 198 N. Pauline-Memphis, TN
Project No. 0888836801

Report Date : 01/26/2024
Received : 01/24/2024

Rebekah Ross
Project Manager

Report Number : **24-024-0046**

REPORT OF ANALYSIS

Lab No : **90629**
Sample ID : **LEGSSB42C-03A**

Matrix: **Solids**
Sampled: **1/24/2024 9:47**

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Method
Moisture	**18.4**	%	0	0.050	1	01/25/24 10:58	CAH	SW-DRYWT
Arsenic	**6.09**	mg/Kg - dry	0.306	0.612	1	01/25/24 18:26	SML	6010D
Barium	**101**	mg/Kg - dry	0.183	0.612	1	01/25/24 18:26	SML	6010D
Cadmium	**0.199**	mg/Kg - dry	0.0612	0.123	1	01/25/24 18:26	SML	6010D
Chromium	**13.4**	mg/Kg - dry	0.306	0.306	1	01/25/24 18:26	SML	6010D
Lead	**26.8**	mg/Kg - dry	0.245	0.367	1	01/25/24 18:26	SML	6010D
Mercury	**0.114 J**	mg/Kg - dry	0.0250	0.207	1	01/26/24 11:00	FDS	7471A
Selenium	<0.428	mg/Kg - dry	0.428	0.612	1	01/25/24 18:26	SML	6010D
Silver	<0.245	mg/Kg - dry	0.245	0.306	1	01/25/24 18:26	SML	6010D

Qualifiers/ Definitions

DF Dilution Factor
MQL Method Quantitation Limit
J Estimated value

Waypoint ANALYTICAL

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Ensafe
Mr. Wesley Goodnight
5724 Summer Tree Drive
Memphis , TN 38134

Project Legends Park

Information : 198 N. Pauline-Memphis, TN
Project No. 0888836801

Report Date : 01/26/2024
Received : 01/24/2024

Rebekah Ross
Project Manager

Report Number : **24-024-0046**

REPORT OF ANALYSIS

Lab No : **90629**
Sample ID : **LEGSSB42C-03A**

Matrix: **Solids**
Sampled: **1/24/2024 9:47**

Analytical Method: 8260B **Prep Batch(es):** **L729481** 01/26/24 07:51
Prep Method: 5035

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Batch
Acetone	**0.0359 J**	mg/Kg - dry	0.0311	0.0490	1	01/26/24 10:46	ELM	L729482
Acetonitrile	<0.108	mg/Kg - dry	0.108	0.245	1	01/26/24 10:46	ELM	L729482
Acrolein	<0.0133	mg/Kg - dry	0.0133	0.0490	1	01/26/24 10:46	ELM	L729482
Acrylonitrile	<0.0107	mg/Kg - dry	0.0107	0.0490	1	01/26/24 10:46	ELM	L729482
Benzene	<0.0011	mg/Kg - dry	0.0011	0.0024	1	01/26/24 10:46	ELM	L729482
Bromobenzene	<0.0016	mg/Kg - dry	0.0016	0.0024	1	01/26/24 10:46	ELM	L729482
Bromochloromethane	<0.0016	mg/Kg - dry	0.0016	0.0024	1	01/26/24 10:46	ELM	L729482
Bromodichloromethane	<0.0011	mg/Kg - dry	0.0011	0.0024	1	01/26/24 10:46	ELM	L729482
Bromoform	<0.0023	mg/Kg - dry	0.0023	0.0024	1	01/26/24 10:46	ELM	L729482
Bromomethane	<0.0017	mg/Kg - dry	0.0017	0.0024	1	01/26/24 10:46	ELM	L729482
Methyl Ethyl Ketone (MEK)	<0.0447	mg/Kg - dry	0.0447	0.0490	1	01/26/24 10:46	ELM	L729482
n-Butylbenzene	<0.0022	mg/Kg - dry	0.0022	0.0024	1	01/26/24 10:46	ELM	L729482
sec-Butyl benzene	<0.0016	mg/Kg - dry	0.0016	0.0024	1	01/26/24 10:46	ELM	L729482
tert-Butyl benzene	<0.0013	mg/Kg - dry	0.0013	0.0024	1	01/26/24 10:46	ELM	L729482
Carbon Disulfide	<0.0045	mg/Kg - dry	0.0045	0.0122	1	01/26/24 10:46	ELM	L729482
Carbon Tetrachloride	<0.0011	mg/Kg - dry	0.0011	0.0024	1	01/26/24 10:46	ELM	L729482
Chlorobenzene	<0.0011	mg/Kg - dry	0.0011	0.0024	1	01/26/24 10:46	ELM	L729482
Chlorodibromomethane	<0.0013	mg/Kg - dry	0.0013	0.0024	1	01/26/24 10:46	ELM	L729482
Chloroethane	<0.0021	mg/Kg - dry	0.0021	0.0024	1	01/26/24 10:46	ELM	L729482
Chloroform	<0.0012	mg/Kg - dry	0.0012	0.0024	1	01/26/24 10:46	ELM	L729482
Chloromethane	<0.0020	mg/Kg - dry	0.0020	0.0024	1	01/26/24 10:46	ELM	L729482
2-Chlorotoluene	<0.0008	mg/Kg - dry	0.0008	0.0024	1	01/26/24 10:46	ELM	L729482

Qualifiers/ Definitions

DF Dilution Factor
MQL Method Quantitation Limit
J Estimated value

Waypoint ANALYTICAL

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Ensafe
Mr. Wesley Goodnight
5724 Summer Tree Drive
Memphis , TN 38134

Project Legends Park

Information : 198 N. Pauline-Memphis, TN
Project No. 0888836801

Report Date : 01/26/2024
Received : 01/24/2024

Rebekah Ross
Project Manager

Report Number : **24-024-0046**

REPORT OF ANALYSIS

Lab No : **90629**
Sample ID : **LEGSSB42C-03A**

Matrix: **Solids**
Sampled: **1/24/2024 9:47**

Analytical Method: 8260B **Prep Batch(es):** **L729481** 01/26/24 07:51
Prep Method: 5035

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Batch
4-Chlorotoluene	<0.0011	mg/Kg - dry	0.0011	0.0024	1	01/26/24 10:46	ELM	L729482
1,2-Dibromo-3-Chloropropane	<0.0050	mg/Kg - dry	0.0050	0.0122	1	01/26/24 10:46	ELM	L729482
1,2-Dibromoethane	<0.0013	mg/Kg - dry	0.0013	0.0024	1	01/26/24 10:46	ELM	L729482
Dibromomethane	<0.0016	mg/Kg - dry	0.0016	0.0024	1	01/26/24 10:46	ELM	L729482
1,2-Dichlorobenzene	<0.0021	mg/Kg - dry	0.0021	0.0024	1	01/26/24 10:46	ELM	L729482
1,3-Dichlorobenzene	<0.0011	mg/Kg - dry	0.0011	0.0024	1	01/26/24 10:46	ELM	L729482
1,4-Dichlorobenzene	<0.0019	mg/Kg - dry	0.0019	0.0024	1	01/26/24 10:46	ELM	L729482
Dichlorodifluoromethane	<0.0020	mg/Kg - dry	0.0020	0.0024	1	01/26/24 10:46	ELM	L729482
1,1-Dichloroethane	<0.0013	mg/Kg - dry	0.0013	0.0024	1	01/26/24 10:46	ELM	L729482
1,2-Dichloroethane	<0.0015	mg/Kg - dry	0.0015	0.0024	1	01/26/24 10:46	ELM	L729482
1,1-Dichloroethene	<0.0022	mg/Kg - dry	0.0022	0.0024	1	01/26/24 10:46	ELM	L729482
cis-1,2-Dichloroethene	<0.0014	mg/Kg - dry	0.0014	0.0024	1	01/26/24 10:46	ELM	L729482
trans-1,2-Dichloroethene	<0.0015	mg/Kg - dry	0.0015	0.0024	1	01/26/24 10:46	ELM	L729482
1,2-Dichloroethene (Total)	<0.0014	mg/Kg - dry	0.0014	0.0024	1	01/26/24 10:46		L729482
1,2-Dichloropropane	<0.0017	mg/Kg - dry	0.0017	0.0024	1	01/26/24 10:46	ELM	L729482
1,3-Dichloropropane	<0.0019	mg/Kg - dry	0.0019	0.0024	1	01/26/24 10:46	ELM	L729482
2,2-Dichloropropane	<0.0013	mg/Kg - dry	0.0013	0.0024	1	01/26/24 10:46	ELM	L729482
1,1-Dichloropropene	<0.0008	mg/Kg - dry	0.0008	0.0024	1	01/26/24 10:46	ELM	L729482
cis-1,3-Dichloropropene	<0.0010	mg/Kg - dry	0.0010	0.0024	1	01/26/24 10:46	ELM	L729482
trans-1,3-Dichloropropene	<0.0011	mg/Kg - dry	0.0011	0.0024	1	01/26/24 10:46	ELM	L729482
Ethyl Acetate	<0.0106	mg/Kg - dry	0.0106	0.0490	1	01/26/24 10:46	ELM	L729482
Ethylbenzene	<0.0014	mg/Kg - dry	0.0014	0.0024	1	01/26/24 10:46	ELM	L729482

Qualifiers/ Definitions

DF Dilution Factor
MQL Method Quantitation Limit
J Estimated value

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03180
Ensafe
Mr. Wesley Goodnight
5724 Summer Tree Drive
Memphis , TN 38134

Project Legends Park

Information : 198 N. Pauline-Memphis, TN
Project No. 0888836801

Report Date : 01/26/2024
Received : 01/24/2024

Rebekah Ross
Project Manager

Report Number : **24-024-0046**

REPORT OF ANALYSIS

Lab No : **90629**
Sample ID : **LEGSSB42C-03A**

Matrix: **Solids**
Sampled: **1/24/2024 9:47**

Analytical Method: 8260B **Prep Batch(es):** **L729481** 01/26/24 07:51
Prep Method: 5035

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Batch
Hexachlorobutadiene	<0.0024	mg/Kg - dry	0.0024	0.0024	1	01/26/24 10:46	ELM	L729482
2-Hexanone	<0.0100	mg/Kg - dry	0.0100	0.0122	1	01/26/24 10:46	ELM	L729482
Iodomethane	<0.0051	mg/Kg - dry	0.0051	0.0122	1	01/26/24 10:46	ELM	L729482
Isopropylbenzene	<0.0018	mg/Kg - dry	0.0018	0.0024	1	01/26/24 10:46	ELM	L729482
4-Isopropyl toluene	<0.0016	mg/Kg - dry	0.0016	0.0024	1	01/26/24 10:46	ELM	L729482
4-Methyl-2-Pentanone	<0.0095	mg/Kg - dry	0.0095	0.0122	1	01/26/24 10:46	ELM	L729482
Methylene Chloride	<0.0116	mg/Kg - dry	0.0116	0.0122	1	01/26/24 10:46	ELM	L729482
Methyl tert-butyl ether (MTBE)	<0.0012	mg/Kg - dry	0.0012	0.0024	1	01/26/24 10:46	ELM	L729482
m,p-Xylene	<0.0029	mg/Kg - dry	0.0029	0.0049	1	01/26/24 10:46	ELM	L729482
Naphthalene	<0.0089	mg/Kg - dry	0.0089	0.0122	1	01/26/24 10:46	ELM	L729482
o-Xylene	<0.0009	mg/Kg - dry	0.0009	0.0024	1	01/26/24 10:46	ELM	L729482
n-Propyl acetate	<0.0084	mg/Kg - dry	0.0084	0.0122	1	01/26/24 10:46	ELM	L729482
n-Propylbenzene	<0.0013	mg/Kg - dry	0.0013	0.0024	1	01/26/24 10:46	ELM	L729482
Styrene	<0.0013	mg/Kg - dry	0.0013	0.0024	1	01/26/24 10:46	ELM	L729482
1,1,1,2-Tetrachloroethane	<0.0019	mg/Kg - dry	0.0019	0.0024	1	01/26/24 10:46	ELM	L729482
1,1,2,2-Tetrachloroethane	<0.0016	mg/Kg - dry	0.0016	0.0024	1	01/26/24 10:46	ELM	L729482
Tetrachloroethene	<0.0011	mg/Kg - dry	0.0011	0.0024	1	01/26/24 10:46	ELM	L729482
Toluene	**0.0020 J**	mg/Kg - dry	0.0012	0.0049	1	01/26/24 10:46	ELM	L729482
1,2,3-Trichlorobenzene	<0.0029	mg/Kg - dry	0.0029	0.0049	1	01/26/24 10:46	ELM	L729482
1,2,4-Trichlorobenzene	<0.0026	mg/Kg - dry	0.0026	0.0049	1	01/26/24 10:46	ELM	L729482
1,1,1-Trichloroethane	<0.0011	mg/Kg - dry	0.0011	0.0024	1	01/26/24 10:46	ELM	L729482
1,1,2-Trichloroethane	<0.0008	mg/Kg - dry	0.0008	0.0024	1	01/26/24 10:46	ELM	L729482

Qualifiers/ Definitions

DF Dilution Factor
MQL Method Quantitation Limit
J Estimated value

Waypoint ANALYTICAL
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Ensafe
Mr. Wesley Goodnight
5724 Summer Tree Drive
Memphis , TN 38134

Project Legends Park
Information : 198 N. Pauline-Memphis, TN
Project No. 0888836801

Report Date : 01/26/2024
Received : 01/24/2024

Rebekah Ross
Project Manager

Report Number : **24-024-0046**

REPORT OF ANALYSIS

Lab No : **90629**
Sample ID : **LEGSSB42C-03A**

Matrix: **Solids**
Sampled: **1/24/2024 9:47**

Analytical Method: 8260B **Prep Batch(es):** **L729481** 01/26/24 07:51
Prep Method: 5035

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Batch
Trichloroethene	<0.0012	mg/Kg - dry	0.0012	0.0024	1	01/26/24 10:46	ELM	L729482
Trichlorofluoromethane	<0.0021	mg/Kg - dry	0.0021	0.0024	1	01/26/24 10:46	ELM	L729482
1,2,3-Trichloropropane	<0.0016	mg/Kg - dry	0.0016	0.0024	1	01/26/24 10:46	ELM	L729482
1,2,4-Trimethylbenzene	<0.0024	mg/Kg - dry	0.0024	0.0024	1	01/26/24 10:46	ELM	L729482
1,3,5-Trimethylbenzene	<0.0010	mg/Kg - dry	0.0010	0.0024	1	01/26/24 10:46	ELM	L729482
Vinyl Acetate	<0.0216	mg/Kg - dry	0.0216	0.0490	1	01/26/24 10:46	ELM	L729482
Vinyl Chloride	<0.0019	mg/Kg - dry	0.0019	0.0024	1	01/26/24 10:46	ELM	L729482
Xylene (Total)	<0.0009	mg/Kg - dry	0.0009	0.0024	1	01/26/24 10:46		L729482
Surrogate: 4-Bromofluorobenzene	84.6		Limits: 60-140%		1	01/26/24 10:46	ELM	L729482
Surrogate: 1,2-Dichloroethane - d4	79.9		Limits: 60-140%		1	01/26/24 10:46	ELM	L729482
Surrogate: Toluene-d8	79.0		Limits: 60-140%		1	01/26/24 10:46	ELM	L729482

Analytical Method: 8270D SIM **Prep Batch(es):** **L729085** 01/25/24 05:55
Prep Method: 3550B

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Batch
Acenaphthene	**0.00221**	mg/Kg - dry	0.000372	0.000821	1	01/25/24 16:59	SMB	L729431
Acenaphthylene	**0.00320**	mg/Kg - dry	0.000330	0.000821	1	01/25/24 16:59	SMB	L729431
Anthracene	**0.0100**	mg/Kg - dry	0.000409	0.000821	1	01/25/24 16:59	SMB	L729431
Benzo(a)anthracene	**0.0741**	mg/Kg - dry	0.000604	0.000821	1	01/25/24 16:59	SMB	L729431
Benzo(a)pyrene	**0.0819**	mg/Kg - dry	0.000573	0.000821	1	01/25/24 16:59	SMB	L729431
Benzo(b)fluoranthene	**0.123**	mg/Kg - dry	0.000716	0.000821	1	01/25/24 16:59	SMB	L729431
Benzo(g,h,i)perylene	**0.0536**	mg/Kg - dry	0.000783	0.000821	1	01/25/24 16:59	SMB	L729431

Qualifiers/ Definitions
DF Dilution Factor
MQL Method Quantitation Limit
J Estimated value

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03180
Ensafe
Mr. Wesley Goodnight
5724 Summer Tree Drive
Memphis , TN 38134

Project Legends Park
Information : 198 N. Pauline-Memphis, TN
Project No. 0888836801

Report Date : 01/26/2024
Received : 01/24/2024

Rebekah Ross
Project Manager

Report Number : **24-024-0046**

REPORT OF ANALYSIS

Lab No : **90629**
Sample ID : **LEGSSB42C-03A**

Matrix: **Solids**
Sampled: **1/24/2024 9:47**

Analytical Method: 8270D SIM **Prep Batch(es):** **L729085** 01/25/24 05:55
Prep Method: 3550B

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Batch
Benzo(k)fluoranthene	**0.0420**	mg/Kg - dry	0.000535	0.000821	1	01/25/24 16:59	SMB	L729431
Chrysene	**0.0739**	mg/Kg - dry	0.000764	0.000821	1	01/25/24 16:59	SMB	L729431
Dibenz(a,h)anthracene	**0.0185**	mg/Kg - dry	0.000752	0.000821	1	01/25/24 16:59	SMB	L729431
Fluoranthene	**0.158**	mg/Kg - dry	0.000482	0.000821	1	01/25/24 16:59	SMB	L729431
Fluorene	**0.00255**	mg/Kg - dry	0.000350	0.000821	1	01/25/24 16:59	SMB	L729431
Indeno(1,2,3-cd)pyrene	**0.0629**	mg/Kg - dry	0.000768	0.000821	1	01/25/24 16:59	SMB	L729431
2-Methylnaphthalene	<0.00238	mg/Kg - dry	0.00238	0.00246	1	01/25/24 16:59	SMB	L729431
Naphthalene	<0.00178	mg/Kg - dry	0.00178	0.00246	1	01/25/24 16:59	SMB	L729431
Phenanthrene	**0.0516**	mg/Kg - dry	0.000515	0.000821	1	01/25/24 16:59	SMB	L729431
Pyrene	**0.135**	mg/Kg - dry	0.000787	0.000821	1	01/25/24 16:59	SMB	L729431
Surrogate: 2-Fluorobiphenyl	48.0		Limits: 33-115%		1	01/25/24 16:59	SMB	L729431
Surrogate: Nitrobenzene-d5	52.3		Limits: 29-110%		1	01/25/24 16:59	SMB	L729431
Surrogate: 4-Terphenyl-d14	64.3		Limits: 33-122%		1	01/25/24 16:59	SMB	L729431

Qualifiers/ Definitions

DF Dilution Factor
MQL Method Quantitation Limit
J Estimated value

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Quality Control Data

Client ID: Ensafe
Project Description: Legends Park
Report No: 24-024-0046

QC Prep: L729073
QC Prep Batch Method: 3050B
QC Analytical Batch(es): L729391
Analysis Method: 6010D
Analysis Description: Metals Analysis

Lab Reagent Blank LRB-L729073 Matrix: SOL
Associated Lab Samples: 90629

Parameter	Units	Blank Result	MDL	MQL	Analyzed
Arsenic	mg/Kg	<0.250	0.250	0.500	01/25/24 18:21
Barium	mg/Kg	<0.150	0.150	0.500	01/25/24 18:21
Cadmium	mg/Kg	<0.0500	0.0500	0.100	01/25/24 18:21
Lead	mg/Kg	<0.200	0.200	0.300	01/25/24 18:21
Selenium	mg/Kg	<0.350	0.350	0.500	01/25/24 18:21
Silver	mg/Kg	<0.200	0.200	0.250	01/25/24 18:21

Laboratory Control Sample LCS-L729073

Parameter	Units	Spike Conc.	LCS Result	LCS %Rec	% Rec Limits
Arsenic	mg/Kg	5.00	5.07	101	80-120
Barium	mg/Kg	50.0	50.9	102	80-120
Cadmium	mg/Kg	5.00	5.12	102	80-120
Chromium	mg/Kg	50.0	53.2	106	80-120
Lead	mg/Kg	5.00	5.14	103	80-120
Selenium	mg/Kg	5.00	4.97	99.0	80-120
Silver	mg/Kg	5.00	5.29	106	80-120

Matrix Spike & Matrix Spike Duplicate E 64524-MS-L729073 E 64524-MSD-L729073

Parameter	Units	Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS %Rec	MSD %Rec	%Rec Limits	RPD	Max RPD
Arsenic	mg/Kg	< 0.250	4.89	4.70	4.95	4.56	101	97.0	75-125	8.2	20.0
Barium	mg/Kg	2.40	48.9	47.0	51.3	48.4	100	98.0	75-125	5.8	20.0
Cadmium	mg/Kg	< 0.0500	4.89	4.70	4.91	4.60	100	98.0	75-125	6.5	20.0
Lead	mg/Kg	0.291	4.89	4.70	5.19	4.91	100	98.0	75-125	5.5	20.0
Selenium	mg/Kg	< 0.350	4.89	4.70	4.65	4.37	95.0	93.0	75-125	6.2	20.0

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Quality Control Data

Client ID: **Ensafe**
Project Description: **Legends Park**
Report No: **24-024-0046**

QC Prep: L729073
QC Prep Batch Method: 3050B
QC Analytical Batch(es): L729391
Analysis Method: 6010D
Analysis Description: Metals Analysis

Matrix Spike & Matrix Spike Duplicate E 64524-MS-L729073 E 64524-MSD-L729073

Parameter	Units	Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS %Rec	MSD %Rec	%Rec Limits	RPD	Max RPD
Silver	mg/Kg	< 0.200	4.89	4.70	5.11	4.74	104	101	75-125	7.5	20.0

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Quality Control Data

Client ID: **Ensafe**
Project Description: **Legends Park**
Report No: **24-024-0046**

QC Prep: L729264
QC Prep Batch Method: 7471A
QC Analytical Batch(es): L729476
Analysis Method: 7471A
Analysis Description: Solids Total Mercury Analysis - CVAA

Lab Reagent Blank LRB-L729264 Matrix: SOL
Associated Lab Samples: 90629

Parameter	Units	Blank Result	MDL	MQL	Analyzed
Mercury	mg/Kg	<0.0232	0.0232	0.192	01/26/24 10:51

Laboratory Control Sample LCS-L729264

Parameter	Units	Spike Conc.	LCS Result	LCS %Rec	% Rec Limits
Mercury	mg/Kg	0.400	0.405	101	80-120

Matrix Spike & Matrix Spike Duplicate L 90794-MS-L729264 L 90794-MSD-L729264

Parameter	Units	Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS %Rec	MSD %Rec	%Rec Limits	RPD	Max RPD
Mercury	mg/Kg	< 0.0207	0.358	0.361	0.322	0.329	90.0	91.0	80-120	2.1	20.0

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Quality Control Data

Client ID: Ensafe
Project Description: Legends Park
Report No: 24-024-0046

QC Prep: L729481
QC Prep Batch Method: 5035
QC Analytical Batch(es): L729482
Analysis Method: 8260B
Analysis Description: Volatile Organic Compounds - GC/MS

Lab Reagent Blank LRB-L729481 Matrix: SOL
Associated Lab Samples: 90629

Parameter	Units	Blank Result	MDL	MQL	Analyzed	% Recovery	% Rec Limits
Acetone	mg/Kg	<0.0254	0.0254	0.0400	01/26/24 10:13		
Acetonitrile	mg/Kg	<0.0881	0.0881	0.200	01/26/24 10:13		
Acrolein	mg/Kg	<0.0109	0.0109	0.0400	01/26/24 10:13		
Acrylonitrile	mg/Kg	<0.0087	0.0087	0.0400	01/26/24 10:13		
Benzene	mg/Kg	<0.0009	0.0009	0.0020	01/26/24 10:13		
Bromobenzene	mg/Kg	<0.0013	0.0013	0.0020	01/26/24 10:13		
Bromochloromethane	mg/Kg	<0.0013	0.0013	0.0020	01/26/24 10:13		
Bromodichloromethane	mg/Kg	<0.0009	0.0009	0.0020	01/26/24 10:13		
Bromoform	mg/Kg	<0.0019	0.0019	0.0020	01/26/24 10:13		
Bromomethane	mg/Kg	<0.0014	0.0014	0.0020	01/26/24 10:13		
Methyl Ethyl Ketone (MEK)	mg/Kg	<0.0365	0.0365	0.0400	01/26/24 10:13		
n-Butylbenzene	mg/Kg	<0.0018	0.0018	0.0020	01/26/24 10:13		
sec-Butyl benzene	mg/Kg	<0.0013	0.0013	0.0020	01/26/24 10:13		
tert-Butyl benzene	mg/Kg	<0.0010	0.0010	0.0020	01/26/24 10:13		
Carbon Disulfide	mg/Kg	<0.0037	0.0037	0.0100	01/26/24 10:13		
Carbon Tetrachloride	mg/Kg	<0.0009	0.0009	0.0020	01/26/24 10:13		
Chlorobenzene	mg/Kg	<0.0009	0.0009	0.0020	01/26/24 10:13		
Chlorodibromomethane	mg/Kg	<0.0011	0.0011	0.0020	01/26/24 10:13		
Chloroethane	mg/Kg	<0.0017	0.0017	0.0020	01/26/24 10:13		
Chloroform	mg/Kg	<0.0010	0.0010	0.0020	01/26/24 10:13		
Chloromethane	mg/Kg	<0.0016	0.0016	0.0020	01/26/24 10:13		
2-Chlorotoluene	mg/Kg	<0.0007	0.0007	0.0020	01/26/24 10:13		
4-Chlorotoluene	mg/Kg	<0.0009	0.0009	0.0020	01/26/24 10:13		
1,2-Dibromo-3-Chloropropane	mg/Kg	<0.0040	0.0040	0.0100	01/26/24 10:13		
1,2-Dibromoethane	mg/Kg	<0.0010	0.0010	0.0020	01/26/24 10:13		
Dibromomethane	mg/Kg	<0.0013	0.0013	0.0020	01/26/24 10:13		
1,2-Dichlorobenzene	mg/Kg	<0.0017	0.0017	0.0020	01/26/24 10:13		

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Quality Control Data

Client ID: Ensafe
Project Description: Legends Park
Report No: 24-024-0046

QC Prep: L729481
QC Prep Batch Method: 5035
QC Analytical Batch(es): L729482
Analysis Method: 8260B
Analysis Description: Volatile Organic Compounds - GC/MS

Lab Reagent Blank LRB-L729481 Matrix: SOL
Associated Lab Samples: 90629

Parameter	Units	Blank Result	MDL	MQL	Analyzed	% Recovery	% Rec Limits
1,3-Dichlorobenzene	mg/Kg	<0.0009	0.0009	0.0020	01/26/24 10:13		
1,4-Dichlorobenzene	mg/Kg	<0.0016	0.0016	0.0020	01/26/24 10:13		
Dichlorodifluoromethane	mg/Kg	<0.0016	0.0016	0.0020	01/26/24 10:13		
1,1-Dichloroethane	mg/Kg	<0.0011	0.0011	0.0020	01/26/24 10:13		
1,2-Dichloroethane	mg/Kg	<0.0012	0.0012	0.0020	01/26/24 10:13		
1,1-Dichloroethene	mg/Kg	<0.0018	0.0018	0.0020	01/26/24 10:13		
cis-1,2-Dichloroethene	mg/Kg	<0.0011	0.0011	0.0020	01/26/24 10:13		
trans-1,2-Dichloroethene	mg/Kg	<0.0012	0.0012	0.0020	01/26/24 10:13		
1,2-Dichloropropane	mg/Kg	<0.0014	0.0014	0.0020	01/26/24 10:13		
1,3-Dichloropropane	mg/Kg	<0.0016	0.0016	0.0020	01/26/24 10:13		
2,2-Dichloropropane	mg/Kg	<0.0011	0.0011	0.0020	01/26/24 10:13		
1,1-Dichloropropene	mg/Kg	<0.0007	0.0007	0.0020	01/26/24 10:13		
cis-1,3-Dichloropropene	mg/Kg	<0.0008	0.0008	0.0020	01/26/24 10:13		
trans-1,3-Dichloropropene	mg/Kg	<0.0009	0.0009	0.0020	01/26/24 10:13		
Ethyl Acetate	mg/Kg	<0.0086	0.0086	0.0400	01/26/24 10:13		
Ethylbenzene	mg/Kg	<0.0011	0.0011	0.0020	01/26/24 10:13		
Hexachlorobutadiene	mg/Kg	<0.0019	0.0019	0.0020	01/26/24 10:13		
2-Hexanone	mg/Kg	<0.0081	0.0081	0.0100	01/26/24 10:13		
Iodomethane	mg/Kg	<0.0041	0.0041	0.0100	01/26/24 10:13		
Isopropylbenzene	mg/Kg	<0.0015	0.0015	0.0020	01/26/24 10:13		
4-Isopropyl toluene	mg/Kg	<0.0013	0.0013	0.0020	01/26/24 10:13		
4-Methyl-2-Pentanone	mg/Kg	<0.0078	0.0078	0.0100	01/26/24 10:13		
Methylene Chloride	mg/Kg	<0.0095	0.0095	0.0100	01/26/24 10:13		
Methyl tert-butyl ether (MTBE)	mg/Kg	<0.0010	0.0010	0.0020	01/26/24 10:13		
m,p-Xylene	mg/Kg	<0.0023	0.0023	0.0040	01/26/24 10:13		
Naphthalene	mg/Kg	<0.0073	0.0073	0.0100	01/26/24 10:13		
o-Xylene	mg/Kg	<0.0007	0.0007	0.0020	01/26/24 10:13		

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Quality Control Data

Client ID: Ensafe
Project Description: Legends Park
Report No: 24-024-0046

QC Prep: L729481
QC Prep Batch Method: 5035
QC Analytical Batch(es): L729482
Analysis Method: 8260B
Analysis Description: Volatile Organic Compounds - GC/MS

Lab Reagent Blank LRB-L729481 Matrix: SOL
Associated Lab Samples: 90629

Parameter	Units	Blank Result	MDL	MQL	Analyzed	% Recovery	% Rec Limits
n-Propyl acetate	mg/Kg	<0.0069	0.0069	0.0100	01/26/24 10:13		
n-Propylbenzene	mg/Kg	<0.0011	0.0011	0.0020	01/26/24 10:13		
Styrene	mg/Kg	<0.0010	0.0010	0.0020	01/26/24 10:13		
1,1,1,2-Tetrachloroethane	mg/Kg	<0.0016	0.0016	0.0020	01/26/24 10:13		
1,1,2,2-Tetrachloroethane	mg/Kg	<0.0013	0.0013	0.0020	01/26/24 10:13		
Tetrachloroethene	mg/Kg	<0.0009	0.0009	0.0020	01/26/24 10:13		
Toluene	mg/Kg	<0.0010	0.0010	0.0040	01/26/24 10:13		
1,2,3-Trichlorobenzene	mg/Kg	<0.0023	0.0023	0.0040	01/26/24 10:13		
1,2,4-Trichlorobenzene	mg/Kg	<0.0021	0.0021	0.0040	01/26/24 10:13		
1,1,1-Trichloroethane	mg/Kg	<0.0009	0.0009	0.0020	01/26/24 10:13		
1,1,2-Trichloroethane	mg/Kg	<0.0006	0.0006	0.0020	01/26/24 10:13		
Trichloroethene	mg/Kg	<0.0010	0.0010	0.0020	01/26/24 10:13		
Trichlorofluoromethane	mg/Kg	<0.0017	0.0017	0.0020	01/26/24 10:13		
1,2,3-Trichloropropane	mg/Kg	<0.0013	0.0013	0.0020	01/26/24 10:13		
1,2,4-Trimethylbenzene	mg/Kg	<0.0019	0.0019	0.0020	01/26/24 10:13		
1,3,5-Trimethylbenzene	mg/Kg	<0.0008	0.0008	0.0020	01/26/24 10:13		
Vinyl Acetate	mg/Kg	<0.0177	0.0177	0.0400	01/26/24 10:13		
Vinyl Chloride	mg/Kg	<0.0016	0.0016	0.0020	01/26/24 10:13		
4-Bromofluorobenzene (S)					01/26/24 10:13	88.0	60-140
1,2-Dichloroethane - d4 (S)					01/26/24 10:13	71.5	60-140
Toluene-d8 (S)					01/26/24 10:13	76.1	60-140

Laboratory Control Sample & LCSD LCS-L729481 LCSD-L729481

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS %Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD
Acetone	mg/Kg	0.100	0.0903	0.0912	90.3	91.2	60-160	0.9	20

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Quality Control Data

Client ID: Ensafe
Project Description: Legends Park
Report No: 24-024-0046

QC Prep: L729481
QC Prep Batch Method: 5035
QC Analytical Batch(es): L729482
Analysis Method: 8260B
Analysis Description: Volatile Organic Compounds - GC/MS

Laboratory Control Sample & LCSD LCS-L729481 LCSD-L729481

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS %Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD
Acetonitrile	mg/Kg	1.00	0.810	0.781	81.0	78.1	40-140	3.6	20
Acrolein	mg/Kg	0.100	0.134	0.113	134	113	40-160	17.0	20
Acrylonitrile	mg/Kg	0.100	0.0967	0.0945	96.7	94.5	50-150	2.3	20
Benzene	mg/Kg	0.100	0.0973	0.0991	97.3	99.1	60-140	1.8	20
Bromobenzene	mg/Kg	0.100	0.0960	0.104	96.0	104	60-140	8.0	20
Bromochloromethane	mg/Kg	0.100	0.0851	0.0827	85.1	82.7	60-140	2.8	20
Bromodichloromethane	mg/Kg	0.100	0.0963	0.102	96.3	102	60-140	5.7	20
Bromoform	mg/Kg	0.100	0.0872	0.0970	87.2	97.0	60-140	10.6	20
Bromomethane	mg/Kg	0.100	0.0655	0.0525	65.5	52.5	40-160	22.0*	20
Methyl Ethyl Ketone (MEK)	mg/Kg	0.100	0.0776	0.0784	77.6	78.4	40-160	1.0	20
n-Butylbenzene	mg/Kg	0.100	0.109	0.119	109	119	60-140	8.7	20
sec-Butyl benzene	mg/Kg	0.100	0.0992	0.108	99.2	108	60-140	8.4	20
tert-Butyl benzene	mg/Kg	0.100	0.0956	0.104	95.6	104	60-140	8.4	20
Carbon Disulfide	mg/Kg	0.100	0.131	0.104	131	104	30-160	22.9*	20
Carbon Tetrachloride	mg/Kg	0.100	0.0990	0.0946	99.0	94.6	60-140	4.5	20
Chlorobenzene	mg/Kg	0.100	0.0964	0.103	96.4	103	60-140	6.6	20
Chlorodibromomethane	mg/Kg	0.100	0.0940	0.101	94.0	101	60-140	7.1	20
Chloroethane	mg/Kg	0.100	0.111	0.106	111	106	40-160	4.6	20
Chloroform	mg/Kg	0.100	0.0984	0.105	98.4	105	60-140	6.4	20
Chloromethane	mg/Kg	0.100	0.106	0.0912	106	91.2	50-150	15.0	20
2-Chlorotoluene	mg/Kg	0.100	0.0980	0.106	98.0	106	60-140	7.8	20
4-Chlorotoluene	mg/Kg	0.100	0.101	0.110	101	110	60-140	8.5	20
1,2-Dibromo-3-Chloropropane	mg/Kg	0.100	0.0861	0.0934	86.1	93.4	50-150	8.1	20
1,2-Dibromoethane	mg/Kg	0.100	0.0866	0.0889	86.6	88.9	60-140	2.6	20
Dibromomethane	mg/Kg	0.100	0.0852	0.0862	85.2	86.2	60-140	1.1	20
1,2-Dichlorobenzene	mg/Kg	0.100	0.0921	0.103	92.1	103	60-140	11.1	20

* QC Fail

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Quality Control Data

Client ID: Ensafe
Project Description: Legends Park
Report No: 24-024-0046

QC Prep: L729481
QC Prep Batch Method: 5035
QC Analytical Batch(es): L729482
Analysis Method: 8260B
Analysis Description: Volatile Organic Compounds - GC/MS

Laboratory Control Sample & LCSD LCS-L729481 LCSD-L729481

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS %Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD
1,3-Dichlorobenzene	mg/Kg	0.100	0.0985	0.109	98.5	109	60-140	10.1	20
1,4-Dichlorobenzene	mg/Kg	0.100	0.0898	0.0994	89.8	99.4	60-140	10.1	20
Dichlorodifluoromethane	mg/Kg	0.100	0.0850	0.0743	85.0	74.3	40-140	13.4	20
1,1-Dichloroethane	mg/Kg	0.100	0.109	0.109	109	109	60-140	0.0	20
1,2-Dichloroethane	mg/Kg	0.100	0.0903	0.0935	90.3	93.5	60-140	3.4	20
1,1-Dichloroethene	mg/Kg	0.100	0.113	0.113	113	113	60-140	0.0	20
cis-1,2-Dichloroethene	mg/Kg	0.100	0.103	0.106	103	106	60-140	2.8	20
trans-1,2-Dichloroethene	mg/Kg	0.100	0.117	0.116	117	116	60-140	0.8	20
1,2-Dichloropropane	mg/Kg	0.100	0.0972	0.102	97.2	102	60-140	4.8	20
1,3-Dichloropropane	mg/Kg	0.100	0.0926	0.0973	92.6	97.3	60-140	4.9	20
2,2-Dichloropropane	mg/Kg	0.100	0.0965	0.0237	96.5	23.7*	60-140	121*	20
1,1-Dichloropropene	mg/Kg	0.100	0.105	0.104	105	104	60-140	0.9	20
cis-1,3-Dichloropropene	mg/Kg	0.100	0.101	0.103	101	103	60-140	1.9	20
trans-1,3-Dichloropropene	mg/Kg	0.100	0.0940	0.0933	94.0	93.3	60-140	0.7	20
Ethyl Acetate	mg/Kg	0.100	0.0973	0.0865	97.3	86.5	60-140	11.7	20
Ethylbenzene	mg/Kg	0.100	0.101	0.107	101	107	60-140	5.7	20
Hexachlorobutadiene	mg/Kg	0.100	0.101	0.114	101	114	40-160	12.0	20
2-Hexanone	mg/Kg	0.100	0.0761	0.0833	76.1	83.3	40-140	9.0	20
Iodomethane	mg/Kg	0.100	0.0653	0.0405	65.3	40.5	40-160	46.8*	20
Isopropylbenzene	mg/Kg	0.100	0.0961	0.103	96.1	103	60-140	6.9	20
4-Isopropyl toluene	mg/Kg	0.100	0.0880	0.0954	88.0	95.4	60-140	8.0	20
4-Methyl-2-Pentanone	mg/Kg	0.100	0.0788	0.0844	78.8	84.4	40-140	6.8	20
Methylene Chloride	mg/Kg	0.100	0.107	0.106	107	106	60-140	0.9	20
Methyl tert-butyl ether (MTBE)	mg/Kg	0.100	0.0879	0.0458	87.9	45.8*	60-140	62.9*	20
m,p-Xylene	mg/Kg	0.200	0.204	0.217	102	109	60-140	6.1	20
Naphthalene	mg/Kg	0.100	0.0962	0.0981	96.2	98.1	50-150	1.9	20

* QC Fail

Waypoint ANALYTICAL
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Quality Control Data

Client ID: Ensafe
Project Description: Legends Park
Report No: 24-024-0046

QC Prep: L729481
QC Prep Batch Method: 5035
QC Analytical Batch(es): L729482
Analysis Method: 8260B
Analysis Description: Volatile Organic Compounds - GC/MS

Laboratory Control Sample & LCSD LCS-L729481 LCSD-L729481

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS %Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD
o-Xylene	mg/Kg	0.100	0.0985	0.106	98.5	106	60-140	7.3	20
n-Propyl acetate	mg/Kg	0.100	0.106	0.108	106	108	40-160	1.8	20
n-Propylbenzene	mg/Kg	0.100	0.100	0.108	100	108	60-140	7.6	20
Styrene	mg/Kg	0.100	0.0968	0.105	96.8	105	60-140	8.1	20
1,1,1,2-Tetrachloroethane	mg/Kg	0.100	0.0947	0.103	94.7	103	60-140	8.3	20
1,1,2,2-Tetrachloroethane	mg/Kg	0.100	0.0848	0.0941	84.8	94.1	60-140	10.3	20
Tetrachloroethene	mg/Kg	0.100	0.105	0.107	105	107	60-140	1.8	20
Toluene	mg/Kg	0.100	0.102	0.105	102	105	60-140	2.8	20
1,2,3-Trichlorobenzene	mg/Kg	0.100	0.0989	0.107	98.9	107	60-140	7.8	20
1,2,4-Trichlorobenzene	mg/Kg	0.100	0.108	0.119	108	119	60-140	9.6	20
1,1,1-Trichloroethane	mg/Kg	0.100	0.102	0.105	102	105	60-140	2.8	20
1,1,2-Trichloroethane	mg/Kg	0.100	0.0902	0.0956	90.2	95.6	60-140	5.8	20
Trichloroethene	mg/Kg	0.100	0.0997	0.102	99.7	102	60-140	2.2	20
Trichlorofluoromethane	mg/Kg	0.100	0.118	0.115	118	115	60-140	2.5	20
1,2,3-Trichloropropane	mg/Kg	0.100	0.0768	0.0854	76.8	85.4	60-140	10.6	20
1,2,4-Trimethylbenzene	mg/Kg	0.100	0.0952	0.103	95.2	103	60-140	7.8	20
1,3,5-Trimethylbenzene	mg/Kg	0.100	0.0990	0.106	99.0	106	60-140	6.8	20
Vinyl Acetate	mg/Kg	0.100	0.0898	0.0662	89.8	66.2	40-160	30.2*	20
Vinyl Chloride	mg/Kg	0.100	0.107	0.103	107	103	60-140	3.8	20
4-Bromofluorobenzene (S)					96.5	105	60-140		
1,2-Dichloroethane - d4 (S)					88.7	92.3	60-140		
Toluene-d8 (S)					96.8	99.8	60-140		

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Quality Control Data

Client ID: Ensafe
Project Description: Legends Park
Report No: 24-024-0046

QC Prep: L729085
QC Prep Batch Method: 3550B
QC Analytical Batch(es): L729431
Analysis Method: 8270D SIM
Analysis Description: Semivolatile Organic Compounds - GC/MS (SIM)

Lab Reagent Blank LRB-L729085 Matrix: SOL
Associated Lab Samples: 90629

Parameter	Units	Blank Result	MDL	MQL	Analyzed	% Recovery	% Rec Limits
Acenaphthene	mg/Kg	<0.000304	0.000304	0.000670	01/25/24 16:44		
Acenaphthylene	mg/Kg	<0.000270	0.000270	0.000670	01/25/24 16:44		
Anthracene	mg/Kg	<0.000334	0.000334	0.000670	01/25/24 16:44		
Benzo(a)anthracene	mg/Kg	<0.000493	0.000493	0.000670	01/25/24 16:44		
Benzo(a)pyrene	mg/Kg	<0.000468	0.000468	0.000670	01/25/24 16:44		
Benzo(b)fluoranthene	mg/Kg	<0.000585	0.000585	0.000670	01/25/24 16:44		
Benzo(g,h,i)perylene	mg/Kg	<0.000639	0.000639	0.000670	01/25/24 16:44		
Benzo(k)fluoranthene	mg/Kg	<0.000437	0.000437	0.000670	01/25/24 16:44		
Chrysene	mg/Kg	<0.000624	0.000624	0.000670	01/25/24 16:44		
Dibenz(a,h)anthracene	mg/Kg	<0.000614	0.000614	0.000670	01/25/24 16:44		
Fluoranthene	mg/Kg	<0.000394	0.000394	0.000670	01/25/24 16:44		
Fluorene	mg/Kg	<0.000286	0.000286	0.000670	01/25/24 16:44		
Indeno(1,2,3-cd)pyrene	mg/Kg	<0.000627	0.000627	0.000670	01/25/24 16:44		
2-Methylnaphthalene	mg/Kg	<0.00194	0.00194	0.00201	01/25/24 16:44		
Naphthalene	mg/Kg	<0.00145	0.00145	0.00201	01/25/24 16:44		
Phenanthrene	mg/Kg	<0.000421	0.000421	0.000670	01/25/24 16:44		
Pyrene	mg/Kg	<0.000643	0.000643	0.000670	01/25/24 16:44		
2-Fluorobiphenyl (S)					01/25/24 16:44	59.1	33-115
Nitrobenzene-d5 (S)					01/25/24 16:44	58.2	29-110
4-Terphenyl-d14 (S)					01/25/24 16:44	73.5	33-122

Laboratory Control Sample LCS-L729085

Parameter	Units	Spike Conc.	LCS Result	LCS %Rec	% Rec Limits
Acenaphthene	mg/Kg	0.167	0.0901	53.9	30-130
Acenaphthylene	mg/Kg	0.167	0.0931	55.7	30-130
Anthracene	mg/Kg	0.167	0.100	59.8	30-130

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Quality Control Data

Client ID: Ensafe
Project Description: Legends Park
Report No: 24-024-0046

QC Prep: L729085
QC Prep Batch Method: 3550B
QC Analytical Batch(es): L729431
Analysis Method: 8270D SIM
Analysis Description: Semivolatile Organic Compounds - GC/MS (SIM)

Laboratory Control Sample LCS-L729085

Parameter	Units	Spike Conc.	LCS Result	LCS %Rec	% Rec Limits
Benzo(a)anthracene	mg/Kg	0.167	0.111	66.4	30-130
Benzo(a)pyrene	mg/Kg	0.167	0.108	64.6	30-130
Benzo(b)fluoranthene	mg/Kg	0.167	0.133	79.6	30-130
Benzo(g,h,i)perylene	mg/Kg	0.167	0.109	65.2	30-130
Benzo(k)fluoranthene	mg/Kg	0.167	0.109	65.2	30-130
Chrysene	mg/Kg	0.167	0.104	62.2	30-130
Dibenz(a,h)anthracene	mg/Kg	0.167	0.114	68.2	30-130
Fluoranthene	mg/Kg	0.167	0.117	70.0	30-130
Fluorene	mg/Kg	0.167	0.0967	57.9	30-130
Indeno(1,2,3-cd)pyrene	mg/Kg	0.167	0.132	79.0	30-130
2-Methylnaphthalene	mg/Kg	0.167	0.0859	51.4	30-130
Naphthalene	mg/Kg	0.167	0.0820	49.1	30-130
Phenanthrene	mg/Kg	0.167	0.102	61.0	30-130
Pyrene	mg/Kg	0.167	0.118	70.6	30-130
2-Fluorobiphenyl (S)				52.5	33-115
Nitrobenzene-d5 (S)				56.7	29-110
4-Terphenyl-d14 (S)				78.0	33-122

Matrix Spike & Matrix Spike Duplicate L 90629-MS-L729085 L 90629-MSD-L729085

Parameter	Units	Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS %Rec	MSD %Rec	%Rec Limits	RPD	Max RPD
Acenaphthene	mg/Kg	0.00180	0.162	0.167	0.0889	0.107	53.7	62.9	30-130	18.4	30
Acenaphthylene	mg/Kg	0.00261	0.162	0.167	0.0881	0.0937	52.7	54.5	30-130	6.1	30
Anthracene	mg/Kg	0.00818	0.162	0.167	0.0933	0.127	52.5	71.1	30-130	30.5*	30
Benzo(a)anthracene	mg/Kg	0.0605	0.162	0.167	0.144	0.248	51.5	112	30-130	53.0*	30
Benzo(a)pyrene	mg/Kg	0.0668	0.162	0.167	0.141	0.221	45.8	92.3	30-130	44.1*	30

* QC Fail

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Quality Control Data

Client ID: Ensafe
Project Description: Legends Park
Report No: 24-024-0046

QC Prep: L729085
QC Prep Batch Method: 3550B
QC Analytical Batch(es): L729431
Analysis Method: 8270D SIM
Analysis Description: Semivolatile Organic Compounds - GC/MS (SIM)

Matrix Spike & Matrix Spike Duplicate L 90629-MS-L729085 L 90629-MSD-L729085

Parameter	Units	Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS %Rec	MSD %Rec	%Rec Limits	RPD	Max RPD
Benzo(b)fluoranthene	mg/Kg	0.100	0.162	0.167	0.194	0.289	58.0	113	30-130	39.3*	30
Benzo(g,h,i)perylene	mg/Kg	0.0437	0.162	0.167	0.100	0.126	34.7	49.2	30-130	23.0	30
Benzo(k)fluoranthene	mg/Kg	0.0343	0.162	0.167	0.110	0.123	46.7	53.1	30-130	11.1	30
Chrysene	mg/Kg	0.0603	0.162	0.167	0.140	0.220	49.1	95.6	30-130	44.4*	30
Dibenz(a,h)anthracene	mg/Kg	0.0151	0.162	0.167	0.0984	0.112	51.4	58.0	30-130	12.9	30
Fluoranthene	mg/Kg	0.129	0.162	0.167	0.199	0.430	43.2	180*	30-130	73.4*	30
Fluorene	mg/Kg	0.00208	0.162	0.167	0.0942	0.114	56.8	67.0	30-130	19.0	30
Indeno(1,2,3-cd)pyrene	mg/Kg	0.0513	0.162	0.167	0.124	0.167	44.8	69.2	30-130	29.5	30
2-Methylnaphthalene	mg/Kg	<0.00194	0.162	0.167	0.0840	0.0850	51.8	50.8	30-130	1.1	30
Naphthalene	mg/Kg	<0.00145	0.162	0.167	0.0793	0.0812	48.9	48.6	30-130	2.3	30
Phenanthrene	mg/Kg	0.0421	0.162	0.167	0.122	0.281	49.3	143*	30-130	78.9*	30
Pyrene	mg/Kg	0.110	0.162	0.167	0.185	0.374	46.2	158*	30-130	67.6*	30
2-Fluorobiphenyl (S)							50.4	47.4	33-115		
Nitrobenzene-d5 (S)							52.0	50.1	29-110		
4-Terphenyl-d14 (S)							67.6	69.6	33-122		

* QC Fail

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Quality Control Data

Client ID: **Ensafe**
Project Description: **Legends Park**
Report No: **24-024-0046**

QC Analytical Batch: L729197
Analysis Method: SW-DRYWT
Analysis Description: Dry Weight Determination

Duplicate L 90300-DUP

Parameter	Units	Result	DUP Result	RPD	Max RPD	Analyzed
Moisture	%	28.2	27.7	1.7	20.0	01/25/24 10:58

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Shipment Receipt Form

Customer Number: **03180**
Customer Name: **Ensafe**
Report Number: **24-024-0046**

Shipping Method

◯ Fed Ex	◯ US Postal	◯ Lab	◯ Other :	
◯ UPS	◉ Client	◯ Courier	Thermometer ID:	T135

Shipping container/cooler uncompromised?	◉ Yes	◯ No	
Number of coolers/boxes received	1		
Custody seals intact on shipping container/cooler?	◯ Yes	◯ No	◉ Not Present
Custody seals intact on sample bottles?	◯ Yes	◯ No	◉ Not Present
Chain of Custody (COC) present?	◉ Yes	◯ No	
COC agrees with sample label(s)?	◉ Yes	◯ No	
COC properly completed	◉ Yes	◯ No	
Samples in proper containers?	◉ Yes	◯ No	
Sample containers intact?	◉ Yes	◯ No	
Sufficient sample volume for indicated test(s)?	◉ Yes	◯ No	
All samples received within holding time?	◉ Yes	◯ No	
Cooler temperature in compliance?	◉ Yes	◯ No	
Cooler/Samples arrived at the laboratory on ice. Samples were considered acceptable as cooling process had begun.	◉ Yes	◯ No	
Water - Sample containers properly preserved	◯ Yes	◯ No	◉ N/A
Water - VOA vials free of headspace	◯ Yes	◯ No	◉ N/A
Trip Blanks received with VOAs	◯ Yes	◯ No	◉ N/A
Soil VOA method 5035 – compliance criteria met	◉ Yes	◯ No	◯ N/A

☐ High concentration container (48 hr)	☐ Low concentration EnCore samplers (48 hr)
☑ High concentration pre-weighed (methanol -14 d)	☑ Low conc pre-weighed vials (Sod Bis -14 d)

Special precautions or instructions included?	◯ Yes	◉ No

Comments:

Signature: Makayla Weaver Date & Time: 01/24/2024 11:50:01

ENSAFE

EnSafe Inc.
800-588-7962

CHAIN OF CUSTODY AND ANALYTICAL REQUEST RECORD

COC No. DJ 01/2424-02 | Page 1 of 1

Project Name: Extent Sampling at Legends Park | PO No. | Project No. 08888368801 | Phase 001.3

Site Location: Legends Park

Send Results To: W goodnight @ ensafe.com

Sampler/Site Phone# 901-517-5357

Lab Name: Waypoint | Turnaround Time(specify): 2 day TAT

Sample Analysis Requested (*Enter number of containers for each test*)

Lab ID	Sample ID (sys_samp_code)	Location ID (sys_loc_code)	(mm/dd/yy)	Time (Military) (hhmm)	Matrix Code (1)	Sample Type (2)	Field Filtered (Y/N)	(3)→ Total No. of Containers	VOC-8260	PAHs-8270SIM	RCRA 8 metals 6010								Extra Volume for MS/MSD	HOLD
	LEG SSB42C-03A	SB42	01/24/24	0947	SO	N	N	6	4	1	1									

24-024-0046
03180
01-24-2024
11:48:20
Ensafe
Legends Park

***Field* Comments:**

***Lab* Comments:** 1.3 T135w

Sample Shipment and Delivery Details
Number of coolers in shipment: 1

	Relinquished by (signature)	Date	Time	Received by (signature)	Date	Time
1		1/24/24	1050			
2						
3					1/24/24	10:51

Samples Iced?(check) Yes_____ No_____
Method of Shipment:
Airbill No:
Date Shipped:

(1) **Matrix Code**: **AA**=Air, **AQ**=Air QC Matrix, **CK**=Caulk, **GS**=Soil Gas, **LF**=Free Product, **LH**=Liquid Waste, **MS**=Mastic, **Oil**=Oil, **PT**=Paint, **SC**=Cement/Concrete, **SE**=Sediment, **SF**=Filter Sandpack, **SL**=Sludge, **SN**=Miscellaneous Solid/Building Materials, **SO**=Soil, **SQ**=Soil/Solid QC Matrix, **ST**=Solid Waste, **SW**=Swab/Wipe, **TA**=Animal Tissue, **TP**=Plant Tissue, **WG**=Ground Water, **WL**=Leachate, **WO**=Ocean Water, **WP**=Drinking Water, **WQ**=Water QC Matrix, **WS**=Surface Water, **SU**=Storm Water, **WW**=Waste Water
(2) **Sample Type**: **AB**=Ambient Blank, **EB**=Equipment Blank, **FB**=Field Blank, **FD**=Field Duplicate Sample, **FR**=Field Replicate, **MB**=Material Blank, **N**=Normal Environmental Sample, **RB**=Material Rinse Blank, **TB**=Trip Blank
(3) **Preservative added**: **HA**=Hydrochloric Acid, **NI**=Nitric Acid, **SH**=Sodium Hydroxide, **SA**=Sulfuric Acid, **AA**=Ascorbic Acid, **HX**=Hexane, **ME**=Methanol, **SB**=sodium bisulfate, **ST**=Sodium Thiosulfate, If **NO preservative** added leave blank

Rev. 12/12

Attachment D
Manifests

NON-HAZARDOUS MANIFEST

WASTE MANAGEMENT

NON-HAZARDOUS MANIFEST	1. Generator's US EPA ID No.	Manifest Doc No.	2. Page 1 of
	N/A	N/A	1

3. Generator's Mailing Address: Penrose, LLC
675 Ponce De Leon Avenue, NE
Atlanta, GA, 30308 (Suite 5500)
4. Generator's Phone 470.585.2413

Generator's Site Address (If different than mailing):
Legends Park
945 Peach Avenue
Memphis, TN, 38105

A. Manifest Number 8653890

B. State Generator's ID N/A

5. Transporter 1 Company Name L&T Services, LLC

6. US EPA ID Number N/A

C. State Transporter's ID N/A
D. Transporter's Phone 662.429.7335

7. Transporter 2 Company Name N/A

8. US EPA ID Number N/A

E. State Transporter's ID N/A
F. Transporter's Phone N/A

9. Designated Facility Name and Site Address
Tunica Landfill
6035 Bowdre Road
Robinsonville, MS 38664

10. US EPA ID Number N/A

G. State Facility ID SW0720010459
H. State Facility Phone 662.363.2282

GENERATOR

11. Description of Waste Materials	12. Containers No.	12. Containers Type	13. Total Quantity	14. Unit Wt./Vol.	I. Misc. Comments
a. PAH-Impacted Soil WM Profile # 409573MS		Dump Truck			
b. WM Profile #					
c. WM Profile #					
d. WM Profile #					

J. Additional Descriptions for Materials Listed Above
N/A

K. Disposal Location
Cell
Grid
Level

15. Special Handling Instructions and Additional Information
N/A

(901)

Purchase Order # PO-0000036584

EMERGENCY CONTACT / PHONE NO.: EnSafe / Wes Goodnight 372-7962

16. GENERATOR'S CERTIFICATE:
I hereby certify that the above-described materials are not hazardous wastes as defined by 40 CFR Part 261 or any applicable state law, have been fully and accurately described, classified and packaged and are in proper condition for transportation according to applicable regulations.

Printed Name	Signature "On behalf of"	Month	Day	Year
Allen Martin III (Penrose LLC)		1	26	24

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed Name	Signature	Month	Day	Year
Cedric Ingram		1	30	24

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed Name	Signature	Month	Day	Year

FACILITY

19. Certificate of Final Treatment/Disposal
I certify, on behalf of the above listed treatment facility, that to the best of my knowledge, the above-described waste was managed in compliance with all applicable laws, regulations, permits and licenses on the dates listed above.

20. Facility Owner or Operator: Certification of receipt of non-hazardous materials covered by this manifest.

Printed Name	Signature	Month	Day	Year
		1	30	24

White- TREATMENT, STORAGE, DISPOSAL FACILITY COPY — Blue- GENERATOR #2 COPY — Yellow- GENERATOR #1 COPY

Pink- FACILITY USE ONLY — Gold- TRANSPORTER #1 COPY

NON-HAZARDOUS MANIFEST

WASTE MANAGEMENT

NON-HAZARDOUS MANIFEST	1. Generator's US EPA ID No. N/A	Manifest Doc No. N/A	2. Page 1 of 1	

3. Generator's Mailing Address: Penrose, LLC
675 Ponce De Leon Avenue, NE
Atlanta, GA, 30308 (Suite 8500)

4. Generator's Phone 470.585.8413

Generator's Site Address (If different than mailing):
Legends Park
945 Peach Avenue
Memphis, TN, 38105

A. Manifest Number: 8653894

B. State Generator's ID: N/A

5. Transporter 1 Company Name	6. US EPA ID Number	C. State Transporter's ID N/A D. Transporter's Phone 662.429.7335
L&T Services, LLC	N/A	
7. Transporter 2 Company Name	**8. US EPA ID Number**	E. State Transporter's ID N/A F. Transporter's Phone N/A
N/A	N/A	
9. Designated Facility Name and Site Address Tunica Landfill 6035 Bowdre Road Robinsonville, MS 38664	**10. US EPA ID Number** N/A	G. State Facility ID SWO7200010459 H. State Facility Phone 662.363.2282

GENERATOR

11. Description of Waste Materials	12. Containers No.	12. Containers Type	13. Total Quantity	14. Unit Wt./Vol.	I. Misc. Comments
a. PAH - Impacted Soil WM Profile # 409573MS		Dump Truck			
b. WM Profile #					
c. WM Profile #					
d. WM Profile #					

J. Additional Descriptions for Materials Listed Above	K. Disposal Location			
N/A	Cell		Level	
	Grid			

15. Special Handling Instructions and Additional Information
N/A (901)

Purchase Order # PO-0000086584 EMERGENCY CONTACT / PHONE NO.: EnSafe \ Wes Goodnight 372-7962

16. GENERATOR'S CERTIFICATE:
I hereby certify that the above-described materials are not hazardous wastes as defined by 40 CFR Part 261 or any applicable state law, have been fully and accurately described, classified and packaged and are in proper condition for transportation according to applicable regulations.

Printed Name	Signature "On behalf of"	Month	Day	Year
Aman Martin III (Penrose LLC)		1	26	24

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed Name	Signature	Month	Day	Year
Cedric Nimmi		1	26	24

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed Name	Signature	Month	Day	Year

FACILITY

19. Certificate of Final Treatment/Disposal
I certify, on behalf of the above listed treatment facility, that to the best of my knowledge, the above-described waste was managed in compliance with all applicable laws, regulations, permits and licenses on the dates listed above.

20. Facility Owner or Operator: Certification of receipt of non-hazardous materials covered by this manifest.

Printed Name	Signature	Month	Day	Year
Sarah Pin		1	30	24

White- TREATMENT, STORAGE, DISPOSAL FACILITY COPY
Pink- FACILITY USE ONLY
Blue- GENERATOR #2 COPY
Gold- TRANSPORTER #1 COPY
Yellow- GENERATOR #1 COPY

NON-HAZARDOUS MANIFEST

WASTE MANAGEMENT

NON-HAZARDOUS MANIFEST	1. Generator's US EPA ID No. N/A	Manifest Doc No. N/A	2. Page 1 of 1	

GENERATOR

3. Generator's Mailing Address: Pennrose, LLC 675 Ponce De Leon Avenue, NE Atlanta, GA, 30308 (Suite 8500) 4. Generator's Phone 470.585.2413	Generator's Site Address (If different than mailing): Legends Park 945 Peach Avenue Memphis, TN, 38105	A. Manifest Number 8653911 B. State Generator's ID N/A

5. Transporter 1 Company Name	6. US EPA ID Number	C. State Transporter's ID N/A D. Transporter's Phone 662.429.7335
L&T. Services, LLC	N/A	
7. Transporter 2 Company Name	**8. US EPA ID Number**	E. State Transporter's ID N/A F. Transporter's Phone N/A
N/A	N/A	

9. Designated Facility Name and Site Address	10. US EPA ID Number	G. State Facility ID SW0720010459 H. State Facility Phone 662.363.2282
Tunica Landfill 6035 Bowdre Road Robinsonville, MS 38664	N/A	

11. Description of Waste Materials	12. Containers No.	12. Containers Type	13. Total Quantity	14. Unit Wt./Vol.	I. Misc. Comments
a. PAH-Impacted Soil WM Profile # 409573MS		Dump Truck			
b. WM Profile #					
c. WM Profile #					
d. WM Profile #					

J. Additional Descriptions for Materials Listed Above	K. Disposal Location			
N/A	Cell		Level	
	Grid			

15. Special Handling Instructions and Additional Information

N/A

Purchase Order # PO-0000036584 EMERGENCY CONTACT / PHONE NO.: EnSafe | Wes Goodnight (901) 372-7962

16. GENERATOR'S CERTIFICATE:

I hereby certify that the above-described materials are not hazardous wastes as defined by 40 CFR Part 261 or any applicable state law, have been fully and accurately described, classified and packaged and are in proper condition for transportation according to applicable regulations.

Printed Name	Signature "On behalf of"	Month	Day	Year
AMON Martin III (Pennrose LLC)		1	26	24

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed Name	Signature	Month	Day	Year
Eric Norvell		1	30	24

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed Name	Signature	Month	Day	Year

FACILITY

19. Certificate of Final Treatment/Disposal

I certify, on behalf of the above listed treatment facility, that to the best of my knowledge, the above-described waste was managed in compliance with all applicable laws, regulations, permits and licenses on the dates listed above.

20. Facility Owner or Operator: Certification of receipt of non-hazardous materials covered by this manifest.

Printed Name	Signature	Month	Day	Year
		1	30	24

White- TREATMENT, STORAGE, DISPOSAL FACILITY COPY
Blue- GENERATOR #2 COPY
Yellow- GENERATOR #1 COPY
Pink- FACILITY USE ONLY
Gold- TRANSPORTER #1 COPY

NON-HAZARDOUS MANIFEST

WASTE MANAGEMENT

NON-HAZARDOUS MANIFEST

1. Generator's US EPA ID No.: N/A
Manifest Doc No.: N/A
2. Page 1 of 1

A. Manifest Number: 8653913

3. Generator's Mailing Address: Pennrose, LLC
675 Ponce De Leon Avenue, NE
Atlanta, GA, 30308 (suite 8500)
4. Generator's Phone 470.585.2413

Generator's Site Address (If different than mailing):
Legends Park
945 Peach Avenue
Memphis, TN, 38105

B. State Generator's ID: N/A

5. Transporter 1 Company Name: L&T Services, LLC
6. US EPA ID Number: N/A
C. State Transporter's ID: N/A
D. Transporter's Phone: 662.429.7335

7. Transporter 2 Company Name: N/A
8. US EPA ID Number: N/A
E. State Transporter's ID: N/A
F. Transporter's Phone: N/A

9. Designated Facility Name and Site Address
Tunica Landfill
6035 Bowdre Road
Robinsonville, MS 38664
10. US EPA ID Number: N/A
G. State Facility ID: SW0720010459
H. State Facility Phone: 662.363.2282

GENERATOR

11. Description of Waste Materials	12. Containers No.	12. Containers Type	13. Total Quantity	14. Unit Wt./Vol.	I. Misc. Comments
a. PAH-Impacted Soil WM Profile # 409573MS		Dump Truck			
b. WM Profile #					
c. WM Profile #					
d. WM Profile #					

J. Additional Descriptions for Materials Listed Above: N/A

K. Disposal Location
Cell
Level
Grid

15. Special Handling Instructions and Additional Information: N/A

Purchase Order # PO-0000036584
EMERGENCY CONTACT / PHONE NO.: EnSafe \ Wes Goodnight (901) 372-7962

16. GENERATOR'S CERTIFICATE:
I hereby certify that the above-described materials are not hazardous wastes as defined by 40 CFR Part 261 or any applicable state law, have been fully and accurately described, classified and packaged and are in proper condition for transportation according to applicable regulations.

Printed Name: Amon Martin III (Pennrose LLC)
Signature "On behalf of"
Month: 1 Day: 26 Year: 24

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials
Printed Name: Joi Avich
Signature: Joi Avich
Month: 1 Day: 30 Year: 24

18. Transporter 2 Acknowledgement of Receipt of Materials
Printed Name
Signature
Month Day Year

FACILITY

19. Certificate of Final Treatment/Disposal
I certify, on behalf of the above listed treatment facility, that to the best of my knowledge, the above-described waste was managed in compliance with all applicable laws, regulations, permits and licenses on the dates listed above.

20. Facility Owner or Operator: Certification of receipt of non-hazardous materials covered by this manifest.
Printed Name
Signature
Month Day Year

White- TREATMENT, STORAGE, DISPOSAL FACILITY COPY
Pink- FACILITY USE ONLY
Blue- GENERATOR #2 COPY
Gold- TRANSPORTER #1 COPY
Yellow- GENERATOR #1 COPY

NON-HAZARDOUS MANIFEST

WASTE MANAGEMENT

NON-HAZARDOUS MANIFEST	1. Generator's US EPA ID No. N/A	Manifest Doc No. N/A	2. Page 1 of 1	

GENERATOR

3. Generator's Mailing Address: Penrose, LLC 675 Ponce De Leon Avenue, NE Ste. 8500, Atlanta, GA 30308 4. Generator's Phone 470-585-2413	Generator's Site Address (If different than mailing): Legend's Park 945 Peach Avenue Memphis, TN 38105	A. Manifest Number 8653914 B. State Generator's ID N/A

5. Transporter 1 Company Name 20218 LFT Services, LLC	6. US EPA ID Number N/A	C. State Transporter's ID N/A D. Transporter's Phone 662-429-7335
7. Transporter 2 Company Name N/A	8. US EPA ID Number N/A	E. State Transporter's ID N/A F. Transporter's Phone N/A
9. Designated Facility Name and Site Address Tunica Landfill 6035 Bowdre Road Robinsonville, MS 38664	10. US EPA ID Number N/A	G. State Facility ID SW0720010459 H. State Facility Phone 662.363.2282

11. Description of Waste Materials	12. Containers No.	12. Containers Type	13. Total Quantity	14. Unit Wt./Vol.	I. Misc. Comments
a. PAH-Impacted Soil 4095 73MS WM Profile #		Dump Truck			
b. WM Profile #					
c. WM Profile #					
d. WM Profile #					

J. Additional Descriptions for Materials Listed Above	K. Disposal Location			
N/A	Cell		Level	
	Grid			

15. Special Handling Instructions and Additional Information

N/A

901-372-7962

Purchase Order # EnSite PO# 36584 EMERGENCY CONTACT / PHONE NO.: EnSite / Wesley Goodnight

16. GENERATOR'S CERTIFICATE:

I hereby certify that the above-described materials are not hazardous wastes as defined by 40 CFR Part 261 or any applicable state law, have been fully and accurately described, classified and packaged and are in proper condition for transportation according to applicable regulations.

Printed Name	Signature "On behalf of"	Month	Day	Year
Amon Martin III (Penrose, LLC)	Amon Martin III	01	26	24

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed Name	Signature	Month	Day	Year
Joe Avila	Joe Avila	01	31	24

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed Name	Signature	Month	Day	Year

FACILITY

19. Certificate of Final Treatment/Disposal

I certify, on behalf of the above listed treatment facility, that to the best of my knowledge, the above-described waste was managed in compliance with all applicable laws, regulations, permits and licenses on the dates listed above.

20. Facility Owner or Operator: Certification of receipt of non-hazardous materials covered by this manifest.

Printed Name	Signature	Month	Day	Year
		1	31	24

White- TREATMENT, STORAGE, DISPOSAL FACILITY COPY Blue- GENERATOR #2 COPY Yellow- GENERATOR #1 COPY

Pink- FACILITY USE ONLY Gold- TRANSPORTER #1 COPY

ENSAFE

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June 16, 2023

Mr. Brian Thomas
PennRose
675 Ponce de Leon Avenue NE, Suite 8500
Atlanta, Georgia 30308

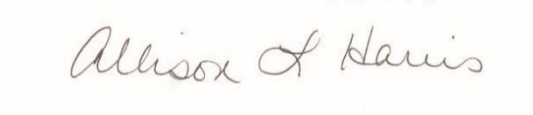
Re: *Phase I Environmental Site Assessment Report*
981 Peach Avenue, Block A of the Legends Park Subdivision — Memphis, Tennessee

Dear Mr. Thomas:

EnSafe Inc. is pleased to provide the enclosed *Phase I Environmental Site Assessment Report* for the above-referenced property. If you have any questions or require additional information, please contact me at 901-937-4268 or aharris@ensafe.com.

Respectfully submitted,

EnSafe Inc.



By: Allison Harris
Senior Project Manager

PHASE I ENVIRONMENTAL SITE ASSESSMENT REPORT UPDATE

981 PEACH AVENUE
BLOCK A OF THE LEGENDS PARK SUBDIVISION
MEMPHIS, TENNESSEE 38105

EnSafe Project Number
0888835467

Prepared for:

50 YEARS PENNROSE
Bricks & Mortar | Heart & Soul

PennRose
675 Ponce de Leon Avenue NE, Suite 8500
Atlanta, Georgia 30308

Issue Date: June 16, 2023

EnSafe Office Address
5724 Summer Trees Drive
Memphis, Tennessee 38134
901-372-7962 | 800-588-7962
www.ensafe.com

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PHASE I ENVIRONMENTAL SITE ASSESSMENT REPORT UPDATE

981 PEACH AVENUE
BLOCK A OF THE LEGENDS PARK SUBDIVISION
MEMPHIS, TENNESSEE 38105

EnSafe Project Number
0888835467

Prepared for:

PennRose
675 Ponce de Leon Avenue NE, Suite 8500
Atlanta, Georgia 30308

Report Issue Date: June 16, 2023

Allison Harris
Senior Project Manager
Environmental Professional

Signature

Environmental Professional Statement:
We declare that, to the best of our professional knowledge and belief, we meet the definition of Environmental Professional as defined in §312.10 of 40 CFR 312. We have the specific qualifications based on education, training, and experience to assess a property of the nature, history, and setting of the subject property. We have developed and performed all appropriate inquiries in conformance with the standards and practices set forth in 40 CFR Part 312.

Steffen Matthews
Environmental Scientist/Geologist

Signature

Prepared by:

EnSafe Inc.
5724 Summer Trees Drive
Memphis, Tennessee 38134
901-372-7962
800-588-7962
www.ensafe.com

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EXECUTIVE SUMMARY

EnSafe Inc. performed a Phase I Environmental Site Assessment (ESA) of the 981 Peach Avenue, Block A of the Legends Park Subdivision property in Memphis, Shelby County, Tennessee (subject property), in general conformance with the ASTM International (ASTM) *Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process* Designation E1527-13 (ASTM 2013).[1] The goal of this Phase I ESA is to identify evidence of *recognized environmental conditions*.[2] The findings, conclusions, and environmental professional opinion in this Phase I ESA report result from interviews; historical, government, and physical setting resource review; and subject property reconnaissance on June 7, 2023.

This environmental assessment has identified the following associated with the subject property:

- The subject property is within Block A of Legends Park, a 4.77-acre undeveloped property bounded by Peach Avenue to the north, Ayers Street to the west, Decatur Street to the east, and Delmar to the south. Block A of Legends Park currently has an address of 0 Peach Avenue on the Shelby County Tax Assessor and Registrar's websites, however, the address historically associated with Block A of Legends Park has been 945 Peach Avenue. Block A of Legends Park is being subdivided and the resulting subject property will have an address of 981 Peach Avenue.

- The subject property consists of 3.82 acres of a larger 4.77-acre vacant parcel identified as Shelby County Parcel 051017 00018 and is located within the 30.91-acre Legends Park Subdivision (former Dixie Homes housing complex). The subject property is adjoined to the north by Peach Avenue then Interstate 40, to the east by Decatur Street then multi-family residences and a church, to the south by multi-family townhomes, Red Sox Lane, and apartment buildings, and to the west by a portion of the vacant larger parcel.

- The subject property has been developed since at least 1897 with single and multi-family residential buildings. The subject property was part of the former Dixie Homes public housing development from 1937 until 2006 when the area was cleared for redevelopment as the Legends Park Subdivision.

- The Brownfields Voluntary Agreement (BVA) Site 79-846 includes the subject property. The BVA executed on September 29, 2009, outlines environmental conditions identified hydraulically upgradient (south) of the site that include: 1) chlorinated solvent and petroleum impacts to groundwater; and 2) the presence of hydrocarbons and drycleaning solvents in soil gas. Because the site may not have been fully characterized, a Notification of Land Use Restrictions has been imposed. As it applies to the subject property, the land use restrictions 1) prohibit the installation of water wells and use of groundwater at the subject property, 2) in the event of the discovery of contaminants in soil at the subject property, the soil must be managed in accordance with a Tennessee Department of Environment and Conservation (TDEC) approved soil management plan, and 3) may require

[1] ASTM issued E1527-21 on November 1, 2021; however, EnSafe will continue to use E1527-13 until the United States Environmental Protection Agency approves the use of E1527-21 to comply with the requirements for all appropriate inquiries under 40 Code of Federal Regulations 312.

[2] ASTM defines a *recognized environmental condition* as "the presence or likely presence of any hazardous substances or petroleum products in, on, or at a property: due to any release to the environment; under conditions indicative of a release to the environment; or under conditions that pose a material threat of a future release to the environment."

the installation of soil vapor mitigation systems for buildings constructed at the subject property.

- Minkie Jos, former clothes cleaner and presser, has been identified at the subject property in environmental database records and in a city directory for the year 1921 (EnSafe 2020). No additional information was provided in the database records; however, it is important to note that historical documents identify a storefront at this address, which could potentially have been operated as a dry cleaner.

- On the south-adjoining property, one address (311 Decatur Street) was identified in the 1932 city directory as Gordon Cleaners and Dyers, former clothes cleaner and presser. No additional information was identified in historical records reviewed; however, it is important to note that historical fire insurance maps identify a storefront at this address in 1907, and Gordon Cleaners and Dyers may have operated as a dry cleaner.

- The west- and south-adjoining properties are located within BVA Site ID 79-846. Based on TDEC records reviewed, petroleum polyaromatic hydrocarbon-impacted soils were used as geotechnical fill material on the west-adjoining property. To prevent exposure to petroleum polyaromatic hydrocarbons, the soil is contained beneath an orange "witness barrier" (i.e., safety fencing) and clean fill material.

- The surrounding area has been developed with residential, commercial, and light industrial properties since at least 1897. Various commercial/light industrial businesses such as gasoline stations, automobile repair and service shops, and dry cleaners have operated on surrounding area properties that are expected to have used and possibly stored hazardous substances and/or petroleum products including solvents and other hazardous substances/petroleum products. A total of 13 sites, beyond the subject property and adjoining properties, were identified on environmental databases as having documented releases of hazardous substances and/or petroleum products.

- Five soil gas samples were collected throughout the subject property in 2021. Benzene and naphthalene were detected at concentrations exceeding the United States Environmental Protection Agency residential Vapor Intrusion Screening Levels in one sample location (SG01) on the southeast portion of the subject property. Additionally, concentrations in SG01 exceeded the acceptable residential carcinogenic risk quotient of 1E-05 with a result of 1.20E-05. Seven additional soil gas samples were collected within a proposed building footprint at the subject property, on the northwest and west central portion of the subject property. Each of the detected concentrations was below residential and commercial Vapor Intrusion Screening Levels and below both the carcinogenic risk and hazard quotients of 1E-5 and 0.1, respectively. Soil vapor concentrations in the currently proposed building footprint are below levels which would prompt TDEC to require response actions; however, the intended use of the subject property and location of additional future structures will dictate further recommendations for soil vapor mitigation.

- In May 2023, soil samples were collected from across the subject property at various intervals (e.g., 0 to 1-foot below ground surface and 1 to 3-feet below ground surface) and analyzed for volatile organic compounds, polycyclic aromatic hydrocarbons (PAHs), and metals. Analytical results identified concentrations of PAHs which exceeded residential RSLs. A subsequent risk assessment found benzo(a)pyrene equivalency to be below the residential

screening value for all soil samples, except SB25 from 0 to 1-foot bgs and SB42 from 0 to 1-foot bgs and from 1 to 3-feet bgs. Under the new subject property BVA, subject property soils will be managed in accordance with a Soil Management Plan, which states that the PAH-impacted soils identified in the May 2023 report will either be moved directly under areas of hardscape or transported offsite for disposal during construction activities.

This assessment has revealed evidence of the following *recognized environmental condition* and *controlled recognized environmental condition* in connection with the subject property.[3]

- BVA Site ID 79-846 includes the subject property and adjoining properties to the west and south. The BVA outlines environmental conditions identified upgradient of these properties that include: 1) chlorinated solvent and petroleum impacts to groundwater, and 2) the presence of hydrocarbons and drycleaning solvents in soil gas. Additionally, numerous sites in the subject property surrounding area have reported releases of hazardous substances and/or petroleum products. Given the BVA and number of sites in the subject property area with reported releases of hazardous substances and/or petroleum products, the potential exists for regional groundwater contamination, which constitutes a *recognized environmental condition* for the subject property.

- As of this report's writing, a new BVA with land use restrictions was submitted to TDEC that 1) prohibits the installation of shallow wells and use of onsite groundwater at the subject property, except for environmental monitoring and remediation, 2) following construction of the proposed building, any additional building(s) or building expansion will require evaluation of potential vapor intrusion, and the evaluation will be shared with TDEC, and 3) if warranted, a vapor mitigation system will be proposed and approved by TDEC. Additionally, the subject property Soil Management Plan states that PAH-impacted soil identified at the subject property during construction activities will be placed beneath hardscape or transported offsite for disposal. Therefore, the current and proposed subject property land use restrictions are considered a *controlled recognized environmental condition*.

This Executive Summary is an excerpt of a detailed Phase I ESA report that includes elements necessary for proper interpretation, including any limitations, exceptions, and deletions to ASTM 2013 and established scope of work. As such, the Executive Summary should not be used independently of the Phase I ESA report and its supporting documentation.

[3] ASTM defines a *controlled recognized environmental condition* as "a *recognized environmental condition* resulting from a past release of hazardous substances or petroleum products that has been addressed to the satisfaction of the applicable regulatory authority (for example, as evidenced by the issuance of a no further action letter or equivalent, or meeting risk-based criteria established by regulatory authority), with hazardous substances or petroleum products allowed to remain in place subject to the implementation of required controls (for example, property use restrictions, activity and use limitations, institutional controls, or engineering controls)."

1.0 INTRODUCTION

EnSafe Inc. was retained by PennRose to conduct a Phase I Environmental Site Assessment (ESA) of 981 Peach Avenue in Block A of the Legends Park Subdivision property in Memphis, Shelby County, Tennessee (subject property), as shown on Figure 1 (Appendix A). The subject property is within Block A of Legends Park, a 4.77-acre vacant property bounded by Peach Avenue to the north, Ayers Street to the west, Decatur Street to the east, and Delmar to the south. Block A of Legends Park currently has an address of 0 Peach Avenue on the Shelby County Tax Assessor and Registrar's websites, however, the address historically associated with Block A of Legends Park has been 945 Peach Avenue. Block A of Legends Park is being subdivided and the resulting subject property will have an address of 981 Peach Avenue.

The subject property consists of 3.82 acres of a 4.77-acre vacant grass-covered parcel identified as Shelby County Parcel 051017 00018, which occupies approximately the east half of a city block bound by Peach Avenue, Decatur Street, Delmar Avenue, and Ayers Street. Additionally, the subject property is within the 30.91-acre Legends Park Subdivision (former Dixie Homes housing complex). Figure 2 (Appendix A) is a Site Vicinity Map, which shows the subject property and adjoining properties.

1.1 Purpose

The subject property was assessed with respect to the range of contaminants within the scope of the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA), and petroleum products. This assessment is intended to constitute all appropriate inquiries (AAI) into the previous ownership and uses of the property consistent with good commercial and customary practice as defined in 42 United States Code Section 9601 (35)(B) and promulgated at 40 Code of Federal Regulations Part 312 (AAI Final Rule). As such, the assessment is intended to permit the designated *user* to satisfy one of the requirements to qualify for the innocent landowner, bona fide prospective purchaser, or contiguous property owner limitations on CERCLA liability (hereinafter, the Landowner Liability Protections).

The ASTM International (ASTM) *Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process* Designation E1527-13 (ASTM 2013) is the current industry standard used to define good commercial and customary practice for conducting an environmental site assessment of a parcel of commercial real estate.[1] The goal of a Phase I ESA is to identify

[1] ASTM issued E1527-21 on November 1, 2021, and the United States Environmental Protection Agency approved its use to comply with the requirements for AAI under 40 Code of Federal Regulations 312 on December 15, 2022; ASTM E1527-13 may be used until February 13, 2024.

evidence of *recognized environmental conditions,* defined by ASTM as, "the presence or likely presence of any hazardous substances or petroleum products in, on, or at a property: (1) due to any release to the environment; (2) under conditions indicative of a release to the environment; or (3) under conditions that pose a material threat of a future release to the environment."

In accordance with ASTM 2013, this Phase I ESA was also intended to identify the following:

- *Controlled recognized environmental condition:* "a *recognized environmental condition* resulting from a past release of hazardous substances or petroleum products that has been addressed to the satisfaction of the applicable regulatory authority (for example, as evidenced by the issuance of a no further action letter or equivalent, or meeting risk-based criteria established by a regulatory authority), with hazardous substances or petroleum products allowed to remain in place subject to the implementation of required controls (for example, property use restrictions, activity and use limitations, institutional controls, or engineering controls)."

- *Historical recognized environmental condition:* "a past release of any hazardous substances or petroleum products that has occurred in connection with the property and has been addressed to the satisfaction of the applicable regulatory authority or meeting unrestricted use criteria established by a regulatory authority, without subjecting the property to any required controls (for example, property use restrictions, activity and use limitations, institutional controls, or engineering controls)."

- *Business environmental risk:* "a risk which can have a material environmental or environmentally-driven impact on the business associated with the current or planned use of a parcel of commercial real estate, not necessarily limited to those environmental issues required to be investigated in this practice."

- *De minimis condition:* "a condition that generally does not present a threat to human health or the environment and that generally would not be the subject of an enforcement action if brought to the attention of appropriate governmental agencies." A condition found to be *de minimis* is not a *recognized environmental condition* or *controlled recognized environmental condition*.

1.2 Scope of Services

The Phase I ESA includes the following:

- Visual assessment of the subject property June 7, 2023, by Mr. Steffen Matthews, of EnSafe under the direction of Ms. Allison Harris of EnSafe; resumes are included in Appendix B.

- Interviews with personnel discussed in Section 3.1.

- Review of standard and additional federal, state, and local environmental records sources for the subject property and properties within ASTM 2013 approximate minimum search distances (AMSDs). Database search information is provided in Appendix C.

- Review of the historical resources (i.e., United States Geological Survey topographic maps, aerial photographs, fire insurance maps, and city directories), land-use records included in a prior Phase I ESA, and regulatory files available through the Tennessee Department of Environment and Conservation (TDEC), dated February 2022 (EnSafe, February 2022).

- Review of regulatory information available from the United States Environmental Protection Agency (U.S. EPA) Envirofacts website, regulatory reports response from the City of Memphis Division of Fire Services, and a summary of the TDEC records request. Select information is provided in Appendix E.

- Review of historical, physical setting, and regulatory information from Phase I ESAs of the subject property dated November 2020, February 2022, September 2022, and January 2023 (EnSafe, November 2020, February 2022, September 2022, and January 2023). The January 2023 Phase I ESA is included in Appendix F of this Phase I ESA; the September 2022 Phase I ESA is included in Appendix E of the January 2023 Phase I ESA.

- Review of physical setting information obtained from the Environmental Risk Information Services Physical Setting Report; provided in Appendix D.

- Review of the user questionnaire provided to the Client and completed by Mr. Brian Thomas, PennRose Developer, as documented in Appendix E of the January 2023 Phase I ESA, which is included in Appendix F of this Phase I ESA.

- Review of information from the websites listed in Section 6.

1.3 Client Information and User Responsibilities

EnSafe was retained by PennRose to conduct the Phase I ESA. According to ASTM, the *user* shall make known the reason for the Phase I ESA. In contracting EnSafe for the Phase I ESA, Mr. Thomas indicated the Phase I ESA was being conducted as part of due diligence before purchase, to obtain financing, and in anticipation of a property/business ownership transaction.

The AAI Final Rule and Section 6.0 of ASTM 2013 describe tasks to be performed by the *user* that are required to qualify for Landowner Liability Protections to CERCLA liability. The information that results from those tasks should be provided to the environmental professional to consider with respect to identifying *recognized environmental conditions*. Appendix F contains a questionnaire provided to the *user* outlining those tasks.

1.4 Non-scope Items

In the User Questionnaire for the prior January 2023 Phase I ESA (Appendix F), Mr. Thomas initially requested EnSafe to address several environmental issues outside the scope of ASTM 2013, but EnSafe was subsequently instructed to not expand the Phase I ESA beyond ASTM 2013.

2.0 PHYSICAL SETTING

Table 1 summarizes information obtained from review of physical setting sources and other sources reviewed during the Phase I ESA listed in Section 1.2.

Table 1
Physical Setting Summary

Topography	
Elevation (feet above mean sea level)	255 to 270
Topography	The central portion of the subject property is higher in elevation than the property perimeter. Additionally, the central-east portion is higher than the central-west portion.
Evidence of landfilling (e.g., areas graded by non-natural causes or filled with fill of unknown origin, and mounds or depressions) or excavation	Soil from other areas within the Legends Park Subdivision was stockpiled and used as fill on the subject property, which is further discussed in Section 4.1.4. In addition, "abundant brick debris" was encountered at 4 to 6 feet below ground surface (bgs), and concrete was encountered at 6 feet bgs in boring SB02 advanced in the central-east portion of the subject property in 2021. Traces of brick, sand, and cinders were encountered at 10 feet bgs in boring SB03 in the central-north portion of the subject property (EnSafe 2021).
Adjoining — higher elevation	East-southeast
Adjoining — lower elevation	Southwest
Surface Water and Subject Property Drainage	
Subject property surface water features	None
Adjoining surface water features	None
Nearest water body	Quimby Bayou
Direction and approximate distance to nearest water body	Approximately 740 feet west
Storm water management	Storm water that does not infiltrate grass surfaces is expected to follow surface topography and flow toward curbside storm drains on adjoining streets.
Flood zone (summarized from Appendix D)	The subject property is not mapped within the 100- or 500-year flood zones.
Wetlands (summarized from Appendix D)	No wetlands are mapped on the subject property.
Geology	
Soil types (and estimated depths/thickness)	Five soil borings installed in 2021 to depths of 28 to 32 feet bgs encountered predominantly silty clay. Limited intervals of silty clay with gravel and sand or with pebbles and gravel were encountered in some of the borings. Alternating clay and silty clay were also encountered in a few borings at depths greater than 20 feet bgs (EnSafe 2021).
Bedrock (depth and type)	Not reported in sources reviewed for this assessment.

Table 1 **Physical Setting Summary**	
Hydrogeology	
Wells on subject property	Five temporary groundwater wells installed in 2021 were removed and abandoned by backfilling with bentonite chips after sampling (EnSafe 2021).
Approximate depth to groundwater (feet) at the subject property	Groundwater was observed at 12 to 25 feet bgs in 2021 (EnSafe 2021).
Reported direction of groundwater flow at the subject property	Not identified in sources reviewed for this assessment.
Relevant surrounding property wells	Two sentinel groundwater monitoring wells installed at 918 and 934 Poplar Avenue (within the Legends Park Subdivision) are approximately 0.20 and 0.25-mile southwest of the subject property.
Approximate depth to groundwater (feet)	12 to 25
Reported direction of groundwater flow	North to northwest

3.0 SUBJECT PROPERTY

Subject property information discussed below was obtained from interviews and sources identified in Section 1.2 and referenced in Section 6.

3.1 Interviews

Table 2 lists personnel interviewed, indicates their association with the subject property or this Phase I ESA, and summarizes topics discussed and information provided. Table 2 also lists local and state agencies from which EnSafe requested information and the results of those inquiries.

Table 2
Summary of Interviews

Name	Affiliation	Association with Subject Property	Time[(1)]	Information Provided/Section Discussed
Ms. Deborah Payne	Memphis Housing Authority	Key Site Manager	14	Ms. Payne provided information regarding current and historical subject property operations and development. Information provided is discussed in Sections 3 and 4. Ms. Payne also stated that operations at the subject property have not changed since the prior January 2023 Phase I Environmental Site Assessment.
Ms. Luretha Phillips	Memphis Housing Authority	Current Owner	26	Ms. Phillips provided information regarding current and historical subject property operations and development. Information provided is discussed in Sections 3 and 4.
Ms. Alison Campany	TDEC DOR	Local Official	20	Ms. Campany provided information regarding the subject property Brownfield Voluntary Agreement. Information provided is discussed in Section 3.6

Summary of Records Requests

Name	Agency	Result of Inquiry/Section Discussed
Ms. Erima Davis	TDEC — Division of Underground Storage Tanks	Provided records related to the surrounding area University of Tennessee Medical Center Emergency Generator Building site.
Ms. Patricia Alston	Memphis Division of Fire Prevention	No records were identified related to the subject property. No records related to adjoining or surrounding properties were identified.
Ms. Valencia Cambrice	TDEC DOR	Additional records beyond those obtained during the February 2022 Phase I ESA were not identified for the subject property or adjoining and surrounding properties.

Notes:
(1) Length of time or number of years the person has been affiliated or familiar with the subject property or surrounding area.
TDEC = Tennessee Department of Environment and Conservation
DOR = Division of Remediation

3.2 Prior Environmental Assessments

Prior environmental assessments that include the subject property have been conducted since 2003, including five Phase I ESAs, soil sampling summaries, and multiple Phase II ESA investigations. Reports summarized in this section are those evaluating the portion of the Legends Park Subdivision (former Dixie Homes) north of Delmar Avenue (i.e., portions of the Legends Park Subdivision site that include the subject property). Findings for the entire Legends Park Subdivision site are summarized in Section 3.6. A copy of the prior January 2023 Phase I ESA is included in Appendix F.

3.2.1 November 2020 — Phase I Environmental Site Assessment

A Phase I ESA for the approximate subject property boundary was performed in November 2020 (EnSafe 2020). The Phase I ESA identified that Legends Park Subdivision (including the subject property) lies within the Dixie Homes State Remediation Program (SRP) site 79-846 (discussed in Section 3.6); additionally, a Notice of Land Use Restriction was imposed on the Legends Park Subdivision as an institutional control to address groundwater contamination. The 2020 Phase I ESA identified the following *recognized environmental condition* and *controlled recognized environmental condition*:

- *"Given the BVA [Brownfields Voluntary Agreement] and number of sites in the subject property area with reported releases of hazardous substances and/or petroleum products, the potential exists for regional groundwater contamination which constitutes a recognized environmental condition for the subject property."*

- *"The subject property is subject to Land Use Restrictions that 1) prohibit the installation of water wells and use of groundwater at the subject property, 2) in the event of the discovery of contaminants in soil at the subject property, the soil must be managed in accordance with a TDEC-approved soil management plan, and 3) may require the installation of soil vapor mitigation systems on buildings constructed at the subject property. Therefore, the land use restrictions are considered a controlled recognized environmental condition."*

3.2.2 December 2021 — Phase II Environmental Site Assessment

In December 2021, a Phase II ESA was conducted to evaluate the site for potential chemicals of concern associated with historical operations. Five soil borings (SB01-SB05) were advanced at the subject property portion of the Brownfields Voluntary Agreement (BVA) site (EnSafe 2021). Two soil samples were collected from each soil boring location, and each was converted into a temporary monitoring well to collect a groundwater sample. Additionally, soil gas samples were collected from five locations across the subject property.

Metals data identified arsenic and chromium concentrations in soil above residential and industrial U.S. EPA Regional Screening Levels (RSLs). Arsenic concentrations exceeded the Tennessee background level (10 milligrams per kilogram [mg/kg]; TDEC 2001) in a single soil sample from 16 to 20 feet below ground surface (bgs). Chromium concentrations exceeded the Tennessee background level (20 mg/kg; TDEC 2001) in soil samples from three separate soil borings from 24 to 32 feet bgs. The Phase II ESA report concluded the concentrations of arsenic and chromium were not statistically higher than the Tennessee background levels. Polyaromatic hydrocarbon (PAH) data identified benzo(a)pyrene concentrations in soil from 4 to 8 feet bgs in one soil boring above residential and industrial RSLs. All other detected concentrations in soil were below RSLs, including volatile organic compounds (VOCs) and extractable petroleum hydrocarbons.

Groundwater samples did not have detected concentrations of metals, VOCs, PAHs, or extractable petroleum hydrocarbons above their respective U.S. EPA maximum contaminant level or tapwater RSLs.

Five soil gas samples (SG01-SG05) were collected throughout the subject property. The VOC data identified benzene (13.8 micrograms per cubic meter [µg/m^3]) and naphthalene (26.8 µg/m^3) concentrations in one soil gas sample location (SG01) above the U.S. EPA residential Vapor Intrusion Screening Levels (VISLs) of 12 µg/m^3 for benzene and 2.75 µg/m^3 for naphthalene. Additionally, naphthalene exceeded the commercial VISL of 12 µg/m^3. Concentrations detected at SG01 also exceeded the maximum U.S. EPA VISL carcinogenic risk, a calculated and location-specific unitless quotient, of 1E-05 with a risk of 1.20E-05. The Phase II ESA report concluded vapor mitigation should be considered for future development within sample area SG01 (southeast corner of the subject property), and the future use of the subject property will dictate further recommendations for, but not limited to, a passive mitigation system or vapor barrier.

3.2.3 February 2022 — Phase I Environmental Site Assessment

A Phase I ESA conducted in February 2022 included ASTM 2013 non-scope items concerning National Environmental Policy Act environmental factors (EnSafe 2022). The Phase I ESA identified the same *recognized environmental condition* related to the BVA and surrounding area properties and the same *controlled recognized environmental condition* related to the Notice of Land Use Restriction detailed in the 2020 Phase I ESA. Additionally, the February 2022 Phase I ESA stated the ASTM 2013 non-scope issues related to compliance with the National Environmental Policy Act were assessed under National Housing Trust Fund guidance, and the project was found to comply with ASTM non-scope issues.

3.2.4 September 2022 — Phase I Environmental Site Assessment

In September 2022, an update to the February 2022 Phase I ESA was conducted. The update identified no new findings related to the subject property and the surrounding area properties. Therefore, the September 2022 Phase I ESA identified the same *recognized environmental condition* related to the BVA and surrounding area properties and the same *controlled recognized environmental condition* related to the Notice of Land Use Restriction detailed in the previous Phase I ESAs.

3.2.5 January 2023 — Phase I Environmental Site Assessment

In January 2023, an update to the September 2022 Phase I ESA was conducted. The update identified no new findings related to the subject property and the surrounding area properties. Therefore, the January 2023 Phase I ESA identified the same *recognized environmental condition* related to the BVA and surrounding area properties and the same *controlled recognized environmental condition* related to the Notice of Land Use Restriction detailed in the previous Phase I ESAs.

3.2.6 March 2023 —– Soil Gas Sampling Report

In March 2023, EnSafe performed soil gas sampling within the planned building footprint on the subject property. Seven soil gas samples (SG06-SG12) were collected in the northwest and west central portions of the subject property. A total of 23 VOCs were reported with detected concentrations within the seven samples. The laboratory analytical results were compared to U.S. EPA VISLs for residential air and risk screening was evaluated using U.S. EPA's VISL calculator. Each detected concentration was below its respective VISL and 1E-5 for carcinogenic risk and a hazard quotient of 0.1. EnSafe concluded that the calculated carcinogenic risk and hazard quotient were below levels that would prompt TDEC to require response actions (i.e., installing a vapor mitigation system).

3.2.7 March 2023 — Soil Sampling for Lead and Asbestos Report

In March 2023, EnSafe performed soil sampling to ensure asbestos and lead did not remain onsite. This report summarized the laboratory analytical results for 24 surface (0 to 1-foot bgs) and 12 subsurface (1 to 3 feet bgs) soil samples collected for lead and asbestos analysis. Lead concentrations were below the residential RSL in each soil sample collected. Asbestos was not detected in any of the soil samples. No further action was recommended for lead and asbestos in soil at the subject property.

3.2.8 May 2023 — Soil Sampling for Volatile Organic Compounds, Polycyclic Aromatic Hydrocarbons, and Metals

In April 2023, EnSafe performed soil sampling to determine if VOCs, PAHs, and RCRA metals remained in subject property soil in concentrations causing human health risks. This report summarized the laboratory analytical results for 22 surface soil samples (0 to 1-foot bgs) and 11 subsurface soil samples (1 to 3-feet, 3 to 4-feet, 4 to 5-feet, and/or 8 to 9-feet bgs) in the area where soil would be removed during construction activities. The collected soil samples (SB25 to SB46) were analyzed for VOCs, PAHs, and RCRA metal concentrations. VOCs were below the residential RSL in each soil sample collected.

Concentrations of arsenic exceeded residential RSLs at six sample locations, and concentrations of cadmium exceeded the residential RSL in one sample. Elevated metal concentrations were primarily identified in surficial soils.

Four PAHs were detected at concentrations exceeding residential RSLs in 14 sample locations and benzo(a)pyrene exceeded the industrial RSL in one sample location. A subsequent risk assessment was conducted with PAH concentrations converted to a benzo(a)pyrene equivalency (BEQ) which was compared to the TDEC DOR residential soil screening value (1.15 mg/kg). The BEQ results were below the residential screening value for all soil samples, except SB25 from 0 to 1-foot bgs and SB42 from 0 to 1-foot bgs and from 1 to 3-feet bgs.

EnSafe concluded that, since the site will be cut and fill (i.e., soil will be moved around the site to adjust site elevations), the soil sample locations with the highest concentrations can be moved to areas covered by hardscape or removed from the site.

3.3 Historical Development and Uses

The historical document review and interviews were conducted to identify evidence of *recognized environmental conditions* in connection with past uses of the subject property.

3.3.1 Historical Development

The earliest historical resource reviewed for this Phase I ESA is an 1897 fire insurance map, included with historical sources obtained for the February 2022 Phase I ESA, included in the January 2023 Phase I ESA in Appendix F, which shows the subject property developed with numerous residential buildings along the east, south, and west portions, with a small stream traversing the north portion. The subject property remains primarily residential, except for a few shops/storefronts along Decatur Street, on the 1907 fire insurance map. Additionally, the small stream is no longer depicted by 1907. The 1916 and 1927 topographic maps depict multiple small structures in the central portion of the subject property and along the east and west property boundaries. A 1937 aerial photograph shows what appear to be multi-family residential buildings constructed throughout the subject property, except on the extreme eastern portion. The 1951 and 1952 fire insurance maps indicate the Dixie Homes Apartments residential buildings were constructed between 1936 and 1937, and apartment buildings on the east portion of the subject property were constructed in 1950. The subject property remains relatively unchanged in subsequent aerial photographs reviewed through 2006, except for the construction of Interstate 40 and rerouting of Peach Avenue along the north subject property boundary between 1969 and 1973. By 2007, the buildings have been razed and the subject property appears to be a vacant, unpaved, grass-covered lot. The 2010 aerial photograph shows the subject property cleared of most vegetation in preparation for development and construction activities, with several excavators visible. Grading and construction activities appear to continue until early 2012. By the November 2012 aerial photograph, the subject property is completely covered with grass. No significant changes were noted on aerial photographs reviewed from 2012 to 2023.

City directories obtained as part of the February 2022 Phase I ESA (EnSafe, February 2022) were reviewed at 3- to 6-year intervals from 1932 through 2020. The subject property had multiple addresses associated with residential buildings between 1932 and 2005: 945 to 1001 Peach Avenue, 319 to 347 Decatur Street, and 980 Delmar Avenue. The 2020 Phase I ESA (EnSafe 2020) identified one subject property address, 335 Decatur Street, as Minkie Jos, a potential former dry cleaner, which is listed in the 1921 city directory.

3.3.2 Historical Uses and Operations

Based on historical sources reviewed, the subject property has been developed since at least 1897. Historical records indicate the subject property was residential in 1897 and remained primarily residential until 2006. According to Ms. Luretha Phillips with the Memphis Housing Authority (MHA), the former Dixie Homes, a public housing development, began construction in 1938; the former public housing development included the subject property parcel and multiple parcels to the south. According to Ms. Deborah Payne of the MHA, the MHA acquired title to the Dixie Homes site from the U.S. Housing and Home Finance Agency and Public Housing Administration in April 1951 and 1953. Based on information provided by MHA representatives, the housing development remained relatively unchanged until the buildings were demolished in 2006. Based on environmental records reviewed (discussed in Section 3.6), pre-construction activities, including various environmental assessments and investigations, were conducted for the Legends Park Subdivision (including the subject property) between 2003 and 2012. According to Ms. Phillips, building construction within the Legends Park Subdivision began in 2009. A 2010 aerial photograph appears to show the subject property being used to stage construction materials and equipment for offsite construction. The subject property has remained vacant since approximately 2012.

3.4 Current Uses

The subject property was visually assessed on June 7, 2023, by Mr. Matthews of EnSafe. The purpose of the site reconnaissance was to determine current uses and to identify evidence of *recognized environmental conditions* in connection with the subject property. Photographs taken during the site visit are in Appendix G. EnSafe personnel walked throughout the subject property unaccompanied. Adjoining and surrounding area properties were observed from the subject property boundaries and nearby roads and driveways.

The subject property comprises 3.82 acres of vacant grass land within the Legends Park Subdivision with a fence comprising the north, east, and southeast subject property perimeter. Ms. Payne stated the subject property had no current operations or uses. MHA representatives had no knowledge of groundwater wells, septic tanks/systems, underground storage tanks, aboveground storage tanks, and/or utility services associated with the subject property.

3.5 Interior and Exterior Observations

Table 3 lists environmental issues and identifies those present or applicable to the subject property, based on EnSafe's visual observations of the interior and exterior, interviews, review of environmental records sources, regulatory research, and other publicly available and reasonably ascertainable

information. Each environmental issue present or applicable is discussed in sections as noted in the table.

Table 3
Subject Property Observations

Current or Past Use	Present or Applicable	Comment/Report Section
Hazardous Substances and Petroleum Products	**No**	—
Storage Tanks	**No**	—
Odors (strong, pungent, or noxious)	**No**	—
Pools of Liquids	**No**	—
Drums (5 gallons and larger)	**No**	—
Unidentified Substance Containers	**No**	—
Polychlorinated Biphenyls (associated with electric or hydraulic equipment)	**No**	—
Fuel Source for Heating and Cooling Systems	**No**	—
Stains or Corrosion (on building walls, floor, and ceilings)	**No**	—
Floor Drains, Sumps, and Pits	**No**	—
Pits, Ponds, or Lagoons	**No**	—
Stained Soil or Pavement	**No**	—
Stressed Vegetation	**No**	—
Solid Waste	**Yes**	Windblown trash (e.g., food wrappers, drink containers) was observed along the north, east, and south perimeter of the subject property. Additionally, discarded automobile tires were observed along the northeast and east fence line.
Hazardous Waste	**No**	—
Wastewater	**No**	—
Wells	**No**	—
Septic Systems or Cesspools	**No**	—

3.6 Environmental Records Review

EnSafe obtained standard environmental record source information directly from a commercial service, TDEC, and U.S. EPA databases. The Legends Park Subdivision (former Dixie Homes), which includes the subject property, was identified on the TDEC Voluntary Cleanup, Oversight and Assistance Program (VOAP), Brownfield, and Institutional Control databases.

The subject property is part of the Legends Park Subdivision/former Dixie Homes TDEC VOAP site. According to Ms. Alison Campany with the TDEC Division of Remediation, the MHA has entered into multiple BVAs to address impacts to soil, soil gas, and groundwater on various lots within the Legends Park Subdivision that are planned for future residential development and use. Based on the regulatory information reviewed, TDEC Division of Remediation site ID 79-846 (hereinafter referred to as the BVA site) includes the subject property. The BVA executed on September 29, 2009, outlines

environmental conditions identified hydraulically upgradient of the site that include 1) chlorinated solvent and petroleum impacts to groundwater, and 2) the presence of hydrocarbons and drycleaning solvents in soil gas. Based on TDEC records reviewed, groundwater samples were collected from two sentinel wells (SW-1 and SW-2) on the southwest corner of the BVA site, not on the subject property, between October 2010 and July 2012 for analysis of VOCs. Chlorinated solvent detections exceeded the U.S. EPA drinking water maximum contaminant levels. TDEC records indicate VOC impacts to BVA site groundwater likely originated from historical uses associated with properties farther south.

Because the BVA site may not have been fully characterized, a Notification of Land Use Restrictions has been imposed. As it applies to the subject property, the land use restriction 1) prohibits the installation of water wells and use of groundwater at the subject property, 2) in the event of the discovery of contaminants in soil at the subject property, other than PAHs, the soil must be managed in accordance with a TDEC-approved soil management plan, and 3) may require the installation of soil vapor mitigation systems for buildings constructed at the subject property.

The west-adjoining property (discussed in Section 4.1.4) is listed on the environmental database report as Legends Park North/West (79846S1) which includes the subject property. The Legends Park North/West site is a part of the larger BVA site and received a Notice of Land Use Restriction and No Further Action letter specific to the site on February 17, 2012.

The 2020 Phase I ESA (EnSafe 2020) identified one subject property address, 335 Decatur Street, in the environmental database for the year 1921. The occupant was listed as Minkie Jos, former clothes cleaner and presser. No additional information was provided in the 2020 database report; however, it is important to note that historical documents identify a storefront at this address and Minkie Jos may have operated as a dry cleaner. No additional information for this potential prior dry cleaner was identified as part of this Phase I ESA.

A Soil Management Plan for the subject property by EnSafe, dated May 25, 2023, states that EnSafe will be onsite during construction operations which may expose soil and soil gas in areas of suspected contamination, and EnSafe will screen, segregate, and stockpile suspected impacted soils. Stockpiled soils will be sampled to determine whether the soils will require offsite disposal. Additionally, soils identified at SB28 and SB42 (described in Section 3.2.8) will be excavated and moved directly beneath areas of hardscape to prevent resident and/or worker contact after development. Soil from SB25 will be removed form the ground, loaded directly onto dump trucks, and transported to a disposal facility in Robinsonville, Mississippi. The Soil Management Plan states

that a new Notice of Land Use Restriction is anticipated to be placed on the property deed which includes the following: 1) the installation of shallow wells and use of onsite groundwater at the subject property is prohibited, except for environmental monitoring and remediation. 2) Following construction of the proposed building, any additional building(s) or building expansion will require evaluation of potential vapor intrusion, and the evaluation will be shared with TDEC. 3) If warranted, a vapor mitigation system will be proposed and approved by TDEC. After system installation, verification sampling and reporting will be conducted and submitted to TDEC.

As of this report's writing, an updated BVA for the subject property, separate from the larger Legends Park Subdivision/former Dixie Homes, has been submitted to TDEC DOR. A public notice was issued on June 15, 2023 (Appendix F).

4.0 AREA RECONNAISSANCE

The current and historical uses of adjoining and surrounding area properties described below are based upon visual observations during the site reconnaissance and information obtained from interviews, historical research, and regulatory research conducted for the subject property. A commercial environmental database company provided a database search report that made environmental records for surrounding area properties within the ASTM-defined AMSDs reasonably ascertainable. Sites listed in the environmental records search within the ASTM-defined search distances for the databases on which they appear are discussed in Sections 4.1 through 4.3.

4.1 Adjoining Properties

The subject property is adjoined to the north by Peach Avenue then Interstate 40, beyond which are vacant grass-covered parcels and the former Carnes Elementary School; to the east by Decatur Street, beyond which are multi-family residences and Columbus Baptist Church; to the south (from east to west) by a vacant grass lot, Legends Park Townhomes, Delmar Avenue beyond which are Legends Parks Townhomes, Red Sox Lane beyond which is the Legends Park courtyard, and Legends Park Apartments; and to the west by a vacant grass lot which is a portion of the larger parcel encompassing the subject property.

4.1.1 North

The subject property is adjoined to the north, beyond Peach Avenue and Interstate 40, by vacant grass-covered parcels and the former Carnes Elementary School. Based on historical records reviewed, the north-adjoining properties were primarily residential, including a school, as early as 1897 and remained relatively unchanged through the early 1900s. However, a creek or drainage labeled "Run" is shown in the 1897 fire insurance map running through the north-adjoining properties, where Peach Avenue and Interstate 40 are present day, but this stream does not appear in subsequent records. The 1937 aerial photograph shows residential structures associated with the former Dixie Homes in the current location of Peach Avenue and Interstate 40, and it also shows two large buildings and numerous smaller buildings farther north. The 1951 fire insurance map shows primarily residential buildings, a church, and school buildings (the Former Carnes Elementary School) on the north-adjoining properties. The fire insurance map indicates that the school buildings were constructed in 1920, 1939, and 1944. The north-adjoining properties appear relatively unchanged until construction of Interstate 40 and the rerouting of Peach Avenue between 1969 and 1973. Except for the former Carnes Elementary School and associated additions, the north-adjoining properties beyond Interstate 40 remain either residential or vacant grass-covered lots.

No environmental records were identified for the north-adjoining properties.

4.1.2 East

The subject property is adjoined to the east, beyond Decatur Street, by multi-family residences and Columbus Baptist Church. Based on historical records reviewed, the east-adjoining properties were residentially developed as early as 1897. A church is depicted on the 1907 fire insurance map. City directories list primarily residential addresses for the east-adjoining properties from at least 1932 until 2005 and Columbus Baptist Church from at least 1940 to 2011.

No environmental records were identified for the east-adjoining properties.

4.1.3 South

The subject property is adjoined to the south (east to west) by a vacant lot, Legends Park Townhomes, Delmar Avenue beyond which are Legends Parks Townhomes, Red Sox Lane beyond which is the Legends Park courtyard, and Legends Park Apartments. Based on historical records reviewed, the south-adjoining properties were primarily residential with some shops as early as 1897 and 1907. The 1927 topographic map shows numerous small structures on the south-adjoining property, and by 1937 the property is redeveloped with residential structures associated with the former Dixie Homes. Based on historical records reviewed, the south-adjoining properties remained residential until 2007 when the area was cleared for redevelopment. The 2010 aerial photograph shows an apparent storm water detention basin on the western part of the south-adjoining property. The 2012 aerial photograph shows the detention basin has been filled, likely when the Legends Park Apartments were constructed. According to Ms. Phillips, the Legends Park Townhomes were constructed in 2009.

The south-adjoining properties are within the Legends Park Subdivision VOAP/BVA site as previously discussed in Section 3.6.

Gordon Cleaners and Dyers, at 311 Decatur Street, was identified as former clothes cleaner and presser in the 1932 historical city directory obtained for the February 2022 Phase I ESA. No additional information was identified in historical and database resources obtained for this Phase I ESA; however, it is important to note that historical fire insurance maps identify a storefront at this address in 1907 and Gordon Cleaners and Dyers may have operated as a dry cleaner.

4.1.4 West

The subject property is adjoined to the west by a vacant grass lot that is the west portion of Shelby County Parcel 051017 00018, which includes the subject property. Based on historical records reviewed, the west-adjoining property was previously developed with multi-family residential lots as

early as 1897. The 1907 fire insurance map and 1927 topographic map show numerous small structures on the west-adjoining property, with an area clear of structures on the west side. The 1937 aerial photograph shows at least two residential structures associated with the former Dixie Homes on the east half of the west-adjoining property, while the west half is clear of structures. The 1951 fire insurance map indicates the west portion of the west-adjoining property is a playground. Based on historical records reviewed, the west-adjoining property remained a residential and playground/park area until 2007 when the area was cleared for redevelopment. The 2010 aerial photograph shows an apparent storm water detention basin on the west-adjoining property. The 2012 aerial photograph shows the detention basin has been filled and the west-adjoining property is a vacant grass-covered area. According to Ms. Payne, the west-adjoining property was used to stockpile soil from the Legends Park Subdivision construction and environmental activities occurring from 2009 to 2012.

The west-adjoining property is located within the Legends Park North/West VOAP/BVA site within the larger Legends Park Subdivision BVA site, as previously discussed in Section 3.6. Based on TDEC records reviewed, PAH-impacted soils were used as geotechnical fill material on the west-adjoining property. In accordance with BVA Site ID 79-846, to prevent exposure to the PAH contaminants remaining in the soil, an orange plastic witness barrier was placed over impacted soil, then covered with at least 2 feet of clean fill material, between June and October 2010.

4.2 Surrounding Area Properties

The subject property is on the northeast side of downtown Memphis. The surrounding properties have been developed with residential, commercial, and light industrial properties since at least 1897. The environmental database search identified a total of 21 sites beyond the subject property and adjoining properties. Of these sites, 12 are within the ASTM-defined AMSDs; additionally, one relevant site within AMSDs was identified in prior 2022 and 2023 Phase I ESAs. The 13 sites identified within the ASTM-defined AMSDs are summarized in Table 4.

Table 4
Surrounding Area Environmental Database Listings

Facility Name	Address(es)	Approximate Distance from Subject Property	Database Listing(s)	Identification Number(s)	Status	Notes	Potential Impact to Subject Property
VA Medical Center	1030 Jefferson Avenue	0.25 miles south	SEMS and LUST	TNN000410932 and 790807	Closed	• One UST was removed in December 1998; TDEC DUST issued closure on November 5, 1999.	Not expected to have had contamination that migrated to subject property based on regulatory status and distance from subject property
Memphis Bulk Plant	432 North Dunlap Street	0.25 miles northwest	LUST, VCP, and SRP	790769 and 799001	Closed, Land Use Restrictions	• Petroleum constituents detected in soil, soil gas, and groundwater. • Groundwater flows generally to the west. • Site-specific standards issued • TDSWM approves closure with land-use restrictions in 2005.	Not expected to migrate to subject property based on groundwater flow direction
Church's Fried Chicken	925 Poplar Avenue	0.26 miles south-southwest	VCP and SRP	790379	Inactive, No Further Action	• Petroleum impacts in soil and shallow groundwater. • Groundwater flow reported to the north/northwest. • SRP issued no further action required for petroleum impacts on March 1, 2011.	Not expected to migrate to subject property based on site regulatory status and groundwater flow direction
Southern Steel	431 Dunlap Street	0.28 miles northwest	VCP, SRP, and Institutional Controls	791072	No Further Action	• Petroleum constituents detected in soil. VOCs and SVOCs detected in groundwater. • TDSWM approves closure with land-use restrictions in 2009.	Not expected to migrate to subject property based on site regulatory status and groundwater flow direction

Table 4
Surrounding Area Environmental Database Listings

Facility Name	Address(es)	Approximate Distance from Subject Property	Database Listing(s)	Identification Number(s)	Status	Notes	Potential Impact to Subject Property
Le Bonheur Hospital and Memphis Mental Health Institute	865 Poplar Avenue	0.28 miles southwest	VCP and SRP	792714 and 791119	Closed	• EPH detected in soil samples. • SRP issued no further action required status on November 17, 2009.	Not expected to migrate to subject property based on contamination being limited to soils and distance to subject property
Amoco/ Poplar Avenue BP	821 Poplar Avenue	0.38 miles southwest	LUST	791083	Case Closure	• Petroleum impacts identified in soil and groundwater. • TDEC DUST issued contaminated case closure on August 28, 2015.	Not expected to migrate to subject property based on distance from the subject property and groundwater flow direction
Memphis Steam Laundry and Cleaners	941 Jefferson Avenue	0.41 miles south-southwest	SRP	79855	Open	• Site identified along with Success Cleaners site as possible source of PCE detected in groundwater samples collected at the Legends Park Subdivision site. • TDEC files indicate a schedule for a sampling event was proposed for June 2009; however, records reviewed do not indicate if the event took place. At the time of this report's writing, the site is listed as "Pre-Remedial."	Potential for contamination to have migrated to the subject property based on possible drycleaning operations and groundwater flow direction

Table 4
Surrounding Area Environmental Database Listings

Facility Name	Address(es)	Approximate Distance from Subject Property	Database Listing(s)	Identification Number(s)	Status	Notes	Potential Impact to Subject Property
University of Tennessee Medical Center Emergency Generator Building	956 Court Avenue	0.41 miles south-southwest	LUST	792203	Completed Tank Closure	• One 2,000-gallon double-walled steel off road high sulfur diesel UST related to an emergency generator was closed in-place on November 30, 2022. • No leaks were detected.	No contamination detected during closure procedures.
Extra Express Market/ 7-Eleven/ Flash Oil Co #72	777 Poplar Avenue	0.42 miles southwest	LUST	791539	Contamination Case Closed	• Petroleum contaminated soil and groundwater identified. • TDEC DUST issued case closure on May 9, 2018.	Not expected to migrate to the subject property based on distance from the subject property, regulatory status, and groundwater flow direction
Auto-Chlor System	746 Poplar Avenue	0.43 miles southwest	LUST, VCP, and SRP	790057, 79774, and 791083	Closed	• Petroleum hydrocarbon, VOC, and PAH impacts in soil and groundwater • Radial groundwater flow to the northwest, northeast, and southwest. • TDEC DOR issued no further action with land-use restrictions on October 26, 2016.	Potential for contamination to have migrated to the subject property based on groundwater analysis and flow direction

Table 4
Surrounding Area Environmental Database Listings

Facility Name	Address(es)	Approximate Distance from Subject Property	Database Listing(s)	Identification Number(s)	Status	Notes	Potential Impact to Subject Property
Air Mask Service Unit	1010 Faxon Avenue	0.43 miles north	LUST	791109	Completed Tank Closure	• One 500-gallon diesel UST and associated piping drained and capped in September 1991. • Soil sample results collected from tank pit were non-detect or below applicable action levels for petroleum constituents. • TDEC DUST issued case closure on February 26, 1996.	Not expected to migrate to subject property based on contamination being limited to soils, distance to subject property, and groundwater flow direction
The Med Adam's Building	842 Jefferson Avenue	0.45 miles south-southwest	LUST	792354	Contamination Case Closed	• One 20,000-gallon UST and associated piping drained and capped in July 1999. • TDEC DUST issued case closure on February 6, 2002.	Not expected to have had contamination that migrated to the subject property based on regulatory status
Le Bonheur Faculty Office Building	824 Adams Avenue	0.46 miles southwest	LUST	799039	Completed Tank Closure	• One 1,000-gallon UST, one 500-gallon UST, and piping were removed in August 2015. • Soil samples collected from tank pit non-detect or below applicable action levels for petroleum constituents. • TDEC DUST issued case closure on August 18, 2015.	Not expected to have had contamination that migrated to the subject property based on soil analysis

Notes:

LUST = Leaking Underground Storage Tank
VCP = Voluntary Cleanup Program
SRP = State Remediation Program
TDSWM = Tennessee Division of Solid Waste Management
VOC = volatile organic compound
SVOCs = semi-volatile organic compounds
EPH = extractable petroleum hydrocarbon
SEMS = Superfund Enterprise Management System
UST = underground storage tank
TDEC = Tennessee Department of Environment and Conservation
DUST = Division of Underground Storage Tanks
PCE = tetrachloroethylene or perchloroethylene
PAH = polyaromatic hydrocarbon
DOR = Division of Remediation
DCERP = Drycleaner Environmental Response Program

4.3 Unmapped Sites

The environmental database search identified four sites with environmental records that it could not map due to poor or inadequate address information. Based on location information included in the database listings and online mapping tools, each site was determined to be beyond the ASTM-defined AMSDs for the databases on which it was listed and was not researched further.

5.0 RESULTS OF THE ENVIRONMENTAL PROFESSIONAL INQUIRY

EnSafe performed a Phase I ESA of the Block A of the Legends Park Subdivision property in Memphis, Shelby County, Tennessee, in general conformance with the scope and limitations of ASTM 2013. Any exceptions to, or deletions from, this practice mentioned throughout the report are discussed in Sections 5.3 and 5.4.

5.1 Summary of Findings and Conclusions

- The subject property is within Block A of Legends Park, a 4.77-acre vacant property bounded by Peach Avenue to the north, Ayers Street to the west, Decatur Street to the east, and Delmar to the south. Block A of Legends Park currently has an address of 0 Peach Avenue on the Shelby County Tax Assessor and Registrar's websites, however, the address historically associated with Block A of Legends Park has been 945 Peach Avenue. Block A of Legends Park is being subdivided and the resulting subject property will have an address of 981 Peach Avenue.

- The subject property consists of 3.82 acres of a larger 4.77-acre vacant parcel identified as Shelby County Parcel 051017 00018 and is located within the 30.91-acre Legends Park Subdivision (former Dixie Homes housing complex). The subject property is adjoined to the north by Peach Avenue then Interstate 40; to the east by Decatur Street then multi-family residences and a church; to the south by multi-family townhomes, Red Sox Lane, and apartment buildings; and to the west by a portion of the vacant larger parcel.

- The subject property has been developed since at least 1897 with single and multi-family residential buildings. The subject property was part of the former Dixie Homes public housing development from 1937, until 2006 when the area was cleared for redevelopment as the Legends Park Subdivision.

- The BVA Site 79-846 includes the subject property. The BVA executed on September 29, 2009, outlines environmental conditions identified hydraulically upgradient (south) of the site that include: 1) chlorinated solvent and petroleum impacts to groundwater; and 2) the presence of hydrocarbons and drycleaning solvents in soil gas. Because the site may not have been fully characterized, a Notification of Land Use Restrictions has been imposed. As it applies to the subject property, the land use restrictions 1) prohibit the installation of water wells and use of groundwater at the subject property, 2) in the event of the discovery of contaminants in soil at the subject property, the soil must be managed in

accordance with a TDEC-approved soil management plan, and 3) may require the installation of soil vapor mitigation systems for buildings constructed at the subject property.

- Minkie Jos, former clothes cleaner and presser, has been identified at the subject property in environmental database records and historical city directories for the year 1921. No additional information was provided in the database records; however, it is important to note that historical documents identify a storefront at this address, which could potentially have been operated as a dry cleaner.

- On the south-adjoining property, one address (311 Decatur Street) was identified in the 1932 city directory as Gordon Cleaners and Dyers, former clothes cleaner and presser. No additional information was identified in historical records reviewed; however, it is important to note that historical fire insurance maps identify a storefront at this address in 1907, and Gordon Cleaners and Dyers may have operated as a dry cleaner.

- The west and south-adjoining properties are located within BVA Site ID 79-846. Based on TDEC records reviewed, PAH-impacted soils were used as geotechnical fill material on the west-adjoining property. In accordance with BVA Site ID 79-846, to prevent exposure to the PAH contaminants, the soil is contained beneath an orange witness barrier and clean fill material.

- The surrounding area has been developed with residential, commercial, and light industrial properties since at least 1897. Various commercial/light industrial businesses such as gasoline stations, automobile repair and service shops, and dry cleaners have operated on surrounding area properties that are expected to have used and possibly stored regulated materials including solvents and other hazardous substances/petroleum products. A total of 13 sites, beyond the subject property and adjoining properties, were identified on environmental databases as having documented releases of hazardous substances and/or petroleum products. Two of these sites, Memphis Steam Laundry and Cleaners at 941 Jefferson Avenue and Auto-Chlor System at 746 Poplar Avenue have potential for contamination to have migrated to the subject property.

- Five soil gas samples were collected throughout the subject property in 2021. Benzene and naphthalene were detected at concentrations exceeding the United States Environmental Protection Agency residential Vapor Intrusion Screening Levels in one sample location (SG01) on the southeast portion of the subject property. Additionally, concentrations in SG01

exceeded the acceptable residential carcinogenic risk quotient of 1E-05 with a result of 1.20E 05. Seven additional soil gas samples were collected within a proposed building footprint at the subject property, on the northwest and west central portion of the subject property. Each of the detected concentrations was below residential and commercial Vapor Intrusion Screening Levels and below both the carcinogenic risk and hazard quotients of 1E-5 and 0.1, respectively. Soil vapor concentrations in the currently proposed building footprint are below levels which would prompt TDEC to require response actions; however, the intended use of the subject property and location of additional future structures will dictate further recommendations for soil vapor mitigation.

- In May 2023, soil samples were collected from across the subject property at various intervals (e.g., 0 to 1-foot below ground surface and 1 to 3-feet below ground surface) and analyzed for volatile organic compounds, polycyclic aromatic hydrocarbons (PAHs), and metals. Analytical results identified concentrations of PAHs which exceeded residential RSLs. A subsequent risk assessment found benzo(a)pyrene equivalency to be below the residential screening value for all soil samples, except SB25 from 0 to 1-foot bgs and SB42 from 0 to 1-foot bgs and from 1 to 3-feet bgs. Under the new subject property BVA, subject property soils will be managed in accordance with a Soil Management Plan, which states that the PAH-impacted soils identified in the May 2023 report will either be moved directly under areas of hardscape or transported offsite for disposal during construction activities.

5.2 Environmental Professional Opinion

This assessment has revealed evidence of the following *recognized environmental condition* and *controlled recognized environmental condition* in connection with the subject property:

- BVA Site ID 79-846 includes the subject property and adjoining properties west and south of the subject property. The BVA outlines environmental conditions identified upgradient of these properties that include 1) chlorinated solvent and petroleum impacts to groundwater, and 2) the presence of hydrocarbons and drycleaning solvents in soil gas. Additionally, numerous sites in the subject property surrounding area have reported releases of hazardous substances and/or petroleum products. Given the BVA and number of sites in the subject property area with reported releases of hazardous substances and/or petroleum products, the potential exists for regional groundwater contamination which constitutes a *recognized environmental condition* for the subject property.

- As of this report's writing, a new BVA with land use restrictions was submitted to TDEC that 1) prohibits the installation of shallow wells and use of onsite groundwater at the subject property, except for environmental monitoring and remediation, 2) following construction of the proposed building, any additional building(s) or building expansion will require evaluation of potential vapor intrusion, and the evaluation will be shared with TDEC, and 3) If warranted, a vapor mitigation system will be proposed and approved by TDEC. Additionally, the subject property Soil Management Plan states that PAH-impacted soil identified at the subject property during construction activities will be placed beneath hardscape or transported offsite for disposal. Therefore, the current and proposed subject property land use restrictions are considered a *controlled recognized environmental condition*.

5.3 Data Gaps

No data gaps were encountered that limited EnSafe's ability to identify *recognized environmental conditions*.

Limitations and exceptions detailed in Section 5.4 are also considered data gaps that may have limited EnSafe's ability to identify *recognized environmental conditions*, as indicated.

5.4 Limitations and Exceptions

EnSafe's Phase I ESA generally conforms to ASTM 2013. EnSafe did not sample soil, soil vapor, groundwater, or surface water as part of the Phase I ESA. Assessment of these items is based upon visual observations and sources as referenced throughout the report. This report should not be construed as verifying the present property owner or operator's compliance with federal, state, and local regulations or as a recommendation to purchase, sell, or develop the subject property.

5.5 Significant Assumptions

This report is a prudent, reasonable evaluation of the subject property's observed environmental condition. EnSafe assumes no responsibility for conditions or information not practically reviewable, or information not accurately disseminated by any party. The following significant assumptions were used to formulate the conclusions and opinions contained in this report:

- Groundwater flow generally follows topography.

- Environmental database information is accurate and complete.

- Conditions at the time of the site visit were representative of ordinary conditions at the subject property.

- The subject property boundaries depicted on figures and described herein are accurate.

5.6 User Reliance

The assessment was prepared under contract for the exclusive use of PennRose. Any other party's reliance on this report is at risk unless EnSafe grants authorization. In accordance with ASTM 2013, this Phase I ESA is presumed to be valid for 180 days from the date of completion. A Phase I ESA that meets or exceeds this practice and was completed more than 180 days previously may be used to the extent allowed in Sections 4.7 and 4.8 of ASTM 2013.

6.0 REFERENCES

Alston, P. (regulatory file review). Manager, Fire Prevention Bureau Memphis Fire Department, 2668 Avery Avenue, Memphis, Tennessee. 901-636-5401. 2023, June 9.

ASTM International. *Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process*. Designation E1527-13. 100 Barr Harbor Drive, West Conshohocken, Pennsylvania. November 2013.

Campany, A. (email interview). Remediation Project Manager, Tennessee Department of Environment and Conservation, Memphis Environmental Field Office, 8383 Wolf Lake Drive, Bartlett, Tennessee. 901-371-3040. 2023, June 13. alison.campany@tn.gov

Cambrice, V. (regulatory file review). Environmental Scientist, Tennessee Department of Environment and Conservation, Division of Remediation, 312 Rosa L. Parks Avenue, Nashville, Tennessee. 2023, April 28. valencia.cambrice@tn.gov

Davis, E. (regulatory file review). Environmental Scientist, Tennessee Department of Environment and Conservation, Division of Underground Storage Tanks, 312 Rosa L. Parks Avenue, Nashville, Tennessee. 2023, June 12. valencia.cambrice@tn.gov

EnSafe Inc. *Phase I Environmental Site Assessment Report, Block A of the Legends Park Subdivision, Memphis, Tennessee 38105*. 5724 Summer Trees Drive, Memphis, Tennessee. November 2020.

— *Phase II Environmental Site Assessment, Block A, Legends Park Subdivision, Memphis, Tennessee*. December 2021.

— *Phase I Environmental Site Assessment, Legends Park Subdivision, Block A, Memphis, Tennessee 38105*. 2022, February 28.

— *Phase I Environmental Site Assessment, Legends Park Subdivision, Block A, Memphis, Tennessee 38105*. 2022, September 21.

— *Phase I Environmental Site Assessment, Legends Park Subdivision, Block A, Memphis, Tennessee 38105*. 2023, January 31.

— *Soil Gas Sampling, Block A, Legends Park Subdivision, Memphis, Tennessee*. 2023, March 30.

— *Soil Sampling for Lead and Asbestos, Edgeview at Legends Park, Block A, 945 Peach Avenue, Memphis, Tennessee*. 2023, March 30.

— *Soil Sampling for Volatile Organic Compounds, Polycyclic Aromatic Hydrocarbons, and Metals, Edgeview at Legends Park, Legends Park, Block A, Memphis, Tennessee*. 2023, May 15.

— *Soil Management Plan, Block A, Legends Park*. May 2023.

Environmental Risk Information Services. *ERIS Database Report, Legends Park Block A Phase I ESA Update (June 2023), Legends Park Block A, Memphis TN*. Order No. 23052600072. 266 Elmwood Avenue, Box 930, Buffalo, New York. 866-517-5204. 2023, May 31.

— *Physical Setting Report*. Order No: 23052600072p. 2023, May 29.

Google Earth. (website). Aerial imagery. May 2023. Retrieved from: http://www.earth.google.com

Payne, D. (interview). Grant Analyst, Memphis Housing Authority, 700 Adams Avenue, Memphis, Tennessee. 901-544-1827. 2023, June 12. dpayne@memphisha.org

Phillips, L. (interview). Director of Development, Memphis Housing Authority, 700 Adams Avenue, Memphis, Tennessee. 2023, June 12. lphillips@memphisha.org

Shelby County Assessor of Property. (property information). May 2023. Retrieved from: https://www.assessor.shelby.tn.us/content.aspx

Tennessee Department of Environment and Conservation. 2001. Division of Geology. *Hazardous Trace Elements in Tennessee Soils and Other Regolith. Report of Investigations No. 49*. Nashville, Tennessee. 135 p.

Tennessee Department of Environment and Conservation, Division of Remediation. *Completion letter for Legends Park North/West [formerly a portion of Dixie Homes Housing Development [TN1-5 & TN1-9]*. 401 Church Street, 4th Floor L & C Annex, Nashville, Tennessee. 2012, February 17.

Tennessee Department of Environment and Conservation. (website). Public Records Request. May 2023. Retrieved from: https://www.tn.gov/environment/contacts/public-records-request.html

— (website). Division of Remediation Data and Map Viewer online records research. May 2023. Retrieved from: https://www.tn.gov/environment/about-tdec/tdec-dataviewers.html

The Commercial Appeal. Thursday June 15, 2023. *Public Notice, State of Tennessee Department of Environment and Conservation, Notice of an Approved Administrative Settlement Pursuant to 42 U.S.C. § 9613(f) Brownfield Redevelopment of 945 peach Avenue, Memphis, Tennessee (also known as Peach Avenue/Block A Site – DoR Site # 79-846S1)*. Memphis, Tennessee. 6B p.

United States Environmental Protection Agency. Envirofacts. (website). Regulatory information search. May 2023. Retrieved from: https://enviro.epa.gov/

United States Environmental Protection Agency Enforcement and Compliance History Online. (website). Regulatory information search. May 2023. Retrieved from: https://enviro.epa.gov/

Appendix A
Figures

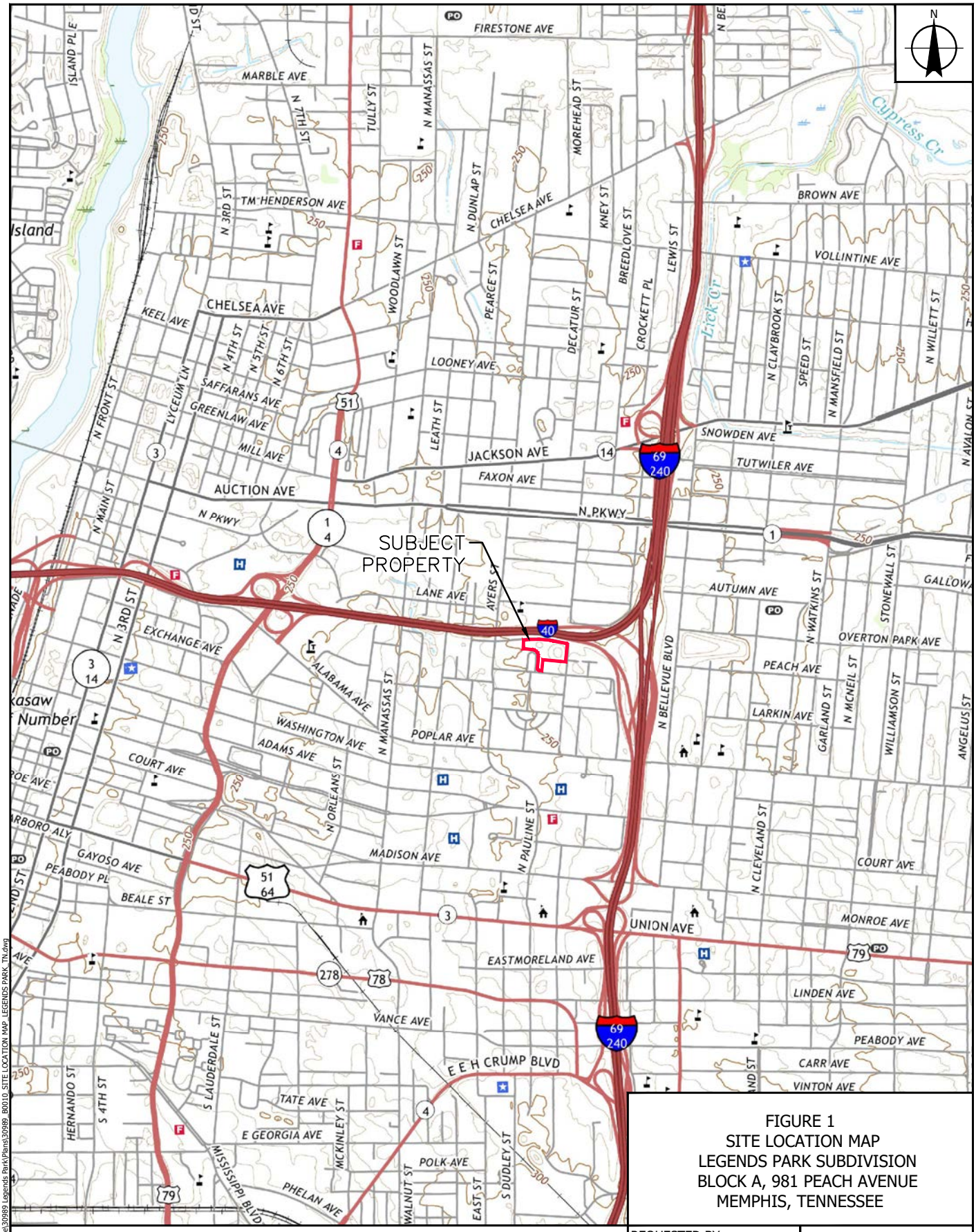

FIGURE 1
SITE LOCATION MAP
LEGENDS PARK SUBDIVISION
BLOCK A, 981 PEACH AVENUE
MEMPHIS, TENNESSEE

LEGEND

SUBJECT PROPERTY/REDUCED PARCEL BOUNDARY

NAD 1983
UTM ZONE 18 NORTH

0 1,000 2,000

SCALE IN FEET

REQUESTED BY:	SM
DRAWN BY:	SM
DATE:	6/13/2023
PROJECT:	0888835467

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Source: U.S. Geological Survey.Northwest Memphis Quadrangle, Tennessee [Map]. Photorevised 2019. 1:24,000. 7.5 Minute Series.

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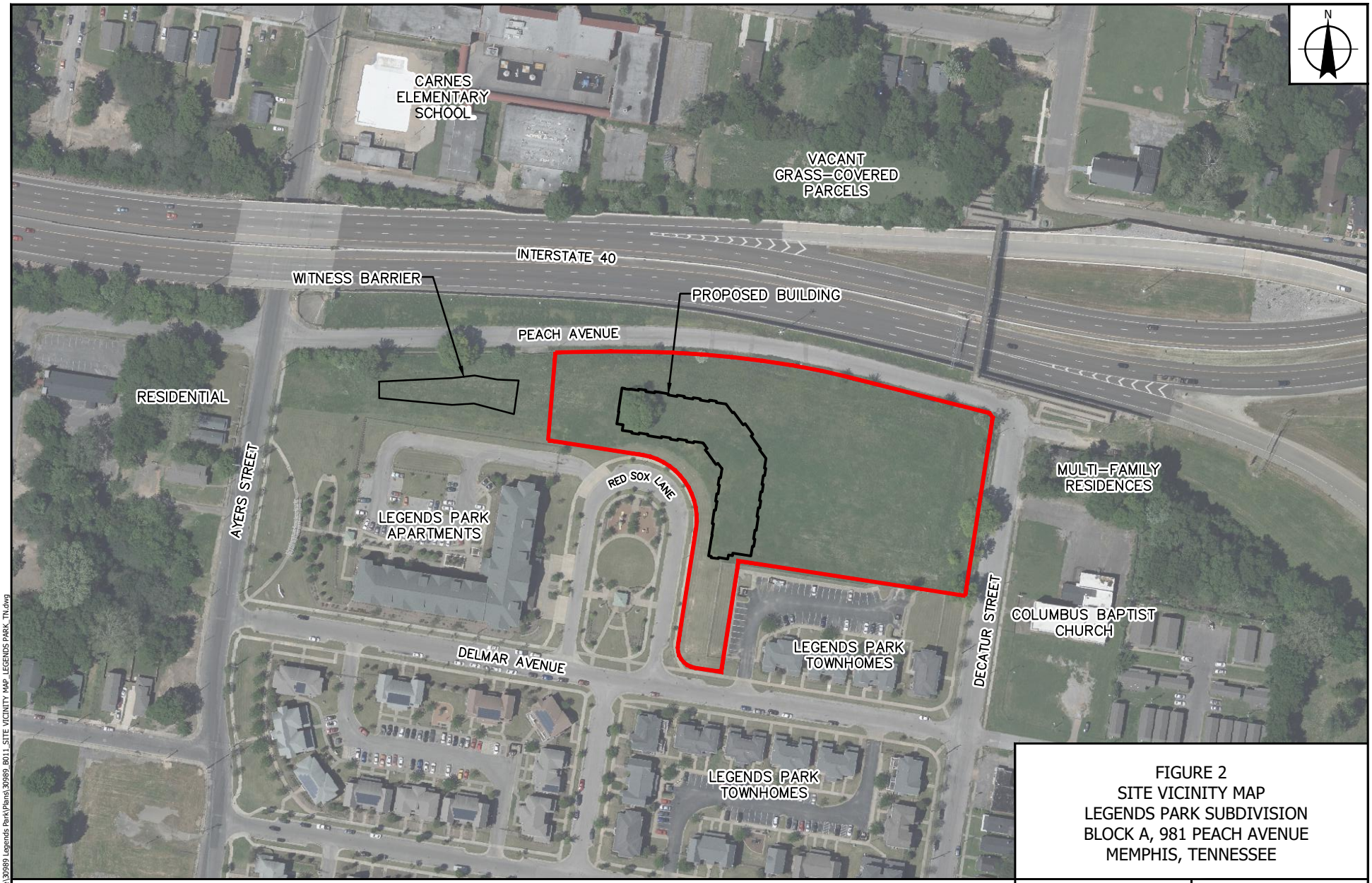

FIGURE 2
SITE VICINITY MAP
LEGENDS PARK SUBDIVISION
BLOCK A, 981 PEACH AVENUE
MEMPHIS, TENNESSEE

LEGENDS

SUBJECT PROPERTY/REDUCED PARCEL BOUNDARY

NAD 1983 STATE PLANE
TENNESSEE FEET

0 100 200

SCALE IN FEET

REQUESTED BY:	SM
DRAWN BY:	SM
DATE:	6/13/2023
PROJECT:	0888835467

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Appendix B
Resumes

ALLISON HARRIS, PG
Senior Geologist

EDUCATION

MS, Geology, University of Memphis, 1990

BS, Geology, University of Memphis, 1986

REGISTRATIONS

- Tennessee Professional Geologist, No. 788, 1989
- OSHA 1910.120 Health and Safety Training, including medical surveillance
- First aid and CPR certified, 2016

Allison has 29 years of experience in a variety of environmental programs. She is the project manager for multiple sites including Security Signals, an operable unit of the larger National Fireworks site where ammunitions were manufactured during World War II. As project manager, Allison is responsible for all aspects of this Superfund-Equivalent site. She ensures compliance with the Administrative Order of Consent, works closely with Tennessee Department of Environment and Conservation (TDEC) and USEPA regulators, and negotiates access agreements with offsite property owners. The investigation is being performed in phases to provide a cost-effective approach for the client and to allow for flexibility based on investigation findings. Known contamination includes trichloroethylene (TCE); suspected contaminants included perchlorate and various explosives.

RELEVANT EXPERIENCE

SUPERFUND PROJECTS

Remedial Investigation/Feasibility Study, US Navy, Naval Air Station (NAS) Pensacola, FL (2012-2018)

As task order manager, responsible for preparing remedial investigation/ feasibility study (RI/FS) planning documents, including Sampling and Analysis Plans, Investigation-Derived Waste (IDW) Plan, Proposed Plans, Records of Decision, and a Community Relations Plan. Other documents under her responsibility include RI Reports, Baseline Risk Assessments including Ecological Risk Assessments, FS Reports, and Site Characterization Reports. Managed CERCLA multi-phased field investigation of a 5.5-mile industrial waste sewer line including RCRA clean-closure of the industrial sewer line. The sewer line investigation included overseeing temporary and permanent monitoring well installations, monitoring well abandonment, and groundwater and soil sampling. This project was conducted under the Comprehensive Long-term Environmental Action Navy (CLEAN) program with USEPA Region 4 and the Florida Department of Environmental Protection (FDEP). Additional responsibilities included community relations activities, including establishing a Restoration Advisory Board and producing news releases, fact sheets, and public notices. Managed multidisciplinary staff from three separate offices. Specific project management responsibilities included proposal preparation, budgeting, cost tracking, invoicing, report generation, and client/agency liaison. Work performed at NAS Pensacola has earned one Secretary of the Navy and two Chief of Naval Operations awards.

TCE Remediation, Former ITT Telecomunications Facility, Milan, TN (2005-present)

Project manager for a chlorinated solvent investigation at an inactive facility contaminated by TCE and its breakdown products. The mile-long groundwater plume had previously impacted multiple private drinking water wells. Activities completed for the site include a focused FS evaluation of the source area and a human health risk assessment. National Contingency Plant (NCP) consistency activities included completing an Administrative Record, issuing a proposed plan and placing public notices announcing the comment period, and completing a Community Involvement Plan. The pilot test of an air sparge system determined that the system would be technically effective as well as cost-effective for the site, despite the great depth to groundwater.

Groundwater Monitoring, LaRoche Industries, Inc., Memphis, TN (2005)

Project manager for an RI/FS at a site investigated under the TDEC Division of Superfund. Responsibilities include assessment of an ongoing interim action for groundwater, finalizing the RI/FS report, monitoring well

installation, and groundwater sampling. This site was removed from the Tennessee Superfund list in November 2005.

Remedial Investigation/Feasibility Study, Tennessee Electroplating, Inc., Ripley, TN (2005)

Project manager for an RI/FS site being conducted under the TDEC Division of Superfund voluntary program. The investigation included delineating the extent of contamination in groundwater using direct-push technology (DPT), installing confirmation monitoring wells, and collecting soil and groundwater samples. Other responsibilities included completing a work plan, evaluating site data, negotiating with TDEC, and completing an RI/FS report.

BRAC Program Closure Investigation, US Navy, NAS Glenview, IL (2012)

As project geologist for Base Realignment and Closure (BRAC) program closure investigation at NAS Glenview, assisted with the field investigation and completed the RI/FS work plan. The investigation was conducted in accordance with CERCLA under the Navy's CLEAN program. Also coordinated the Administrative Record file for the facility. The Illinois Environmental Protection Agency and USEPA Region 5 were the regulatory agencies involved in the investigation.

Soil Sampling, Barmet Aluminum, Fort Hartford, KY (2016)

As project geologist responsible for logging and collecting soil samples from borings advanced across the site.

Subsurface Investigation, Amoco Corp. and Helena Chemical Co., Hayti, MO

This investigation included advancing soil borings for subsurface soil collection and installing onsite monitoring wells. Conducted onsite soil, sediment, and groundwater sampling and also assessed the presence of earthquake-induced liquefaction features at the facility. Compiled information and analytical data and wrote the report in accordance with a USEPA order. Met all USEPA deadlines for the report.

*Superfund Site, Waste Management Landfill, Anoka, MN (1991)

As project geologist for monitoring well and recovery well installations and soil boring investigation at this State of Minnesota Superfund site, responsible for overseeing subcontractors and completing boring logs of the complicated glacial lithology and bedrock.

CHLORINATED SOLVENT PROJECTS

Chlorinated Solvent Investigation, Bass, Berry & Sims, West Tennessee (2008)

Project geologist for a chlorinated solvent investigation at this active West Tennessee facility. This site has many challenges including complex geology, presence of dense non-aqueous-phase liquid (DNAPL), and an adjacent municipal wellfield. The investigation included advancing soil borings, installing onsite and offsite monitoring well nests, collecting soil and groundwater samples, performing a hydrogeologic investigation, and disposing of IDW.

Interim Remedial Action, former Spic N Span Cleaners, DCERP Project, Memphis, TN (2014-2016)

As project geologist, managed and conducted interim remedial action at this Dry Cleaner Environmental Response Program (DCERP) site in Memphis that is also under the Brownfields program. Work included injecting emulsified soybean oil into the source area. Duties included subcontractor selection and management and liaison with DCERP personnel. Project management included submitting reports to the state for approval and completing reimbursement applications for state payment.

PETROLEUM PROJECTS

Underground Storage Tank Investigation, Naval Support Activity Mid-South, Millington, TN (2007)

Task order manager for an underground storage tank (UST) investigation. The investigation included advancing soil borings using hollow-stem auger and DPT techniques, installing monitoring wells, collecting soil and groundwater samples, and disposing of IDW. Authored a contamination assessment report for the site. Because chlorinated solvent contamination was also detected onsite, the site was transferred to another program.

Underground Storage Tank Investigation, Carrier Corp., Brondby, Denmark (2009)
As project geologist for a UST investigation to assess whether the tank was leaking. Subsurface soil was assessed by advancing soil borings around the tank and collecting soil samples from beneath the tank. Authored a report detailing the investigation.

Underground Storage Tank Field Investigations, US Navy, NAS Kingsville, TX (2016)
Project geologist for field investigations at three UST sites. The field investigations included a soil-gas survey, soil boring advancement, monitoring well installation, and soil and groundwater sample collection. Authored a Contamination Assessment Report for one of the sites.

*Investigation and Remedial Activities, Clark Oil, Various Facilities in Minnesota (1991)
Project geologist for site investigations and remedial activities for various UST sites. Assimilated raw field data and analytical data into final technical reports. Also completed applications for the client to seek reimbursement from the state's Petrofund. Specific field experience included advancing soil borings, installing monitoring wells, organizing and supervising UST excavation and disposal, coordinating and monitoring contaminated soil excavation and disposal, onsite soil disposal, soil and groundwater sampling, and installation and maintenance of groundwater recovery and treatment systems.

*Tank Closures, Site Investigations, Remedial Activities, Ryder Truck Rental, Various Facilities in Florida, Wisconsin and Illinois (1991)
Project geologist for tank closures, site investigations, and remedial activities for six UST sites. Assimilated raw field data and analytical data into final technical reports in accordance with the applicable state regulations.

RCRA PROJECTS

Environmental Investigation, Lucite International, Olive Branch, MS (2010)
Project manager for investigation completed for two solid waste management units at this active facility. Authored work plan, coordinated field investigation, and authored final report. This facility received a no-further-action status upon completion of this investigation.

Naval Support Activity Mid-South, Millington, TN (2007)
Authored a RCRA Facility Investigation Report for a solid waste management unit at this facility undergoing realignment. This project was conducted under the Navy's CLEAN program with USEPA Region 4 and TDEC.

Comprehensive Sampling and Analysis Plan, Charleston Naval Shipyard RFI, Charleston, SC (2012-2013)
Assisted in preparing the RCRA Facility Assessment comprehensive work plan for the facility. Wrote the Comprehensive Sampling and Analysis Plan for field activities to be performed during the investigation.

BROWNFIELDS

Site Investigation, Memphis Biofuel, Memphis, TN (2007)
Project manager for site investigation at a former chemical manufacturing facility. The investigation included soil and groundwater sampling. Areas of identified toxaphene contamination in soil were managed under a Soil Management Plan. The Brownfields agreement was subsequently signed with the plan included as an appendix.

Site Investigation, Z-Mart, Memphis, TN (2002)
Project manager for site investigation at a former petroleum UST site. The site was proposed for inclusion in a Brownfields agreement for redevelopment with two other properties. After completing the investigation, managed the completion of the Removal Action Work Plan for the identified soil contamination. The plan was approved by TDEC with minimal comments. A Demolition Plan completed for the onsite building accounted for handling of contaminated materials that was encountered at the site. The building was demolished and a successful soil removal action was performed.

Site Investigation, Mid-South Nephrology Clinic, Memphis, TN (2005)
Project manager for site investigation at a former automatic transmission shop and cleaners site. The site was proposed for inclusion in a Brownfields agreement for redevelopment. The investigation included soil and groundwater sampling using DPT to delineate the nature and extent of contamination.

SOLID WASTE

*Soil Boring Investigation, Laidlaw Sanitary Landfill, Terra Haute, IN (1990)

Project geologist for monitoring well installations and soil boring investigation.

*Groundwater Monitoring System Work Plan, Northeast Otter Tail County Sanitary Landfill, New York Mills, MN (1991)

Hydrogeologist for the Northeast Otter Tail Sanitary Landfill. Authored a Groundwater Monitoring System Work Plan in accordance with Minnesota Solid Waste Rules.

SITE ASSESSMENTS

Property Transfer Investigation, Wright Medical, Arlington, TN (2006)

Project manager for a fast-track investigation of a potential property transfer. Investigation included DPT sampling of soil and groundwater, trenching of anomalies identified during a geophysical survey, and sediment sampling. Project was completed in approximately 30 days and met all of the client's objectives and data needs.

Hazardous Materials Sampling, Guardian Industries, Various Facilities in Tennessee, Missouri, and Arkansas (2008)

Project manager for a fast-track investigation of a potential stock transfer at various automotive manufacturing facilities. Investigation included DPT sampling of soil and groundwater and asbestos sampling. Project was completed in approximately 30 days and met all of the client's objectives and data needs.

Phase I Environmental Site Assessments, Great Smoky Mountain National Park, Gatlinburg, TN (2005)

Project manager for two Phase I Environmental Site Assessments (ESAs) as related to the Tapoca Land Exchange. One of the ESAs was completed for an area of approximately 110 acres, while the second area was approximately 281 acres. Responsibilities included proposal preparation, budgeting, cost-tracking, invoicing, report generation, and client liaison.

Phase I Environmental Site Assessment, National Park Service, St. John U.S. Virgin Islands (2001)

Project manager for a Phase I ESA for a 375-acre tract. Responsibilities included proposal preparation, budgeting, cost-tracking, invoicing, report generation, and client liaison.

Phase I and II ESAs, National Park Service, Stones River National Park, Murfreesboro, TN (2001)

Project manager for Phase I and II investigations completed on two tracts being considered for purchase by the National Park Service. Responsibilities included proposal preparation, budgeting, cost-tracking, invoicing, report generation, and client liaison.

Phase I Environmental Site Assessments, Bass, Berry & Sims, Alabama and Indiana (2006)

Project manager for Phase I ESAs completed on property considered for purchase by the client. Responsibilities included proposal preparation, budgeting, cost-tracking, invoicing, report generation, and client liaison.

Phase I Environmental Site Assessment, Bass, Berry & Sims, Arkansas (2006)

Project manager for Phase I ESA completed on property considered for purchase by the client. The property was a former tie manufacturing facility. Responsibilities included proposal preparation, budgeting, cost-tracking, invoicing, report generation, and client liaison.

Phase I and II Site Investigations, Bass, Berry & Sims, La Mirada, CA (2005)

Project manager for Phase I and II investigations completed on property considered for purchase by the client. Phase II activities included monitoring well installation, soil sampling, and groundwater sampling. Responsibilities included proposal preparation, budgeting, cost-tracking, invoicing, report generation, client liaison, and coordinating with other parties' consultants.

Phase I Environmental Site Assessments, Performance Food Group, Various Sites in Illinois, Mississippi, and Arkansas (2005)

Project manager for Phase I ESA completed on property considered for purchase by client. Responsibilities included proposal preparation, budgeting, cost-tracking, invoicing, report generation, and client liaison.

**indicates work for a previous employer*

STEFFEN MATTHEWS
ENVIRONMENTAL SCIENTIST/GEOLOGIST

EDUCATION
BA, Earth Science, The University of Memphis, 2020

AFFILIATIONS/ ORGANIZATIONS
American Society for Photogrammetry and Remote Sensing

Society of Exploration Geologists

Steffen is an experienced geologist specializing in seismic processing, ground penetrating radar, electrical resistivity tomography, QGIS and Esri GIS products, geologic mapping, field data collection, Python Coding, lidar processing, and data analysis. He is adept at management and technical writing and is skilled at public outreach. Specific services include water sampling, soil and soil gas sampling, and Phase I-type assessments. Steffen has been published in several university publications for his research in the Golddust Quadrangle and the Nodena Quadrangle.

RELEVANT EXPERIENCE

Environmental Due Diligence Phase I Environmental Site Assessments (ESAs), Multiple Sites, Axis Energy Services, Midland, TX (2021-2021)
Performed site visits for three Phase Is in San Angelo, Big Lake, and Snyder, Texas for an oil and gas equipment yard acquisition. Wrote a memo-style summary of site findings to be delivered to client as part of a status update.

Superior Well Services Phase I ESAs, Multiple Properties, B-29 Investments, LP., Fort Lupton, CO (2021-2022)
Providing research support for Phase I environmental site assessments. Assisting in support writing with the Houston office.

Buoy Street Environmental Closure of Two Hexane Underground Storage Tanks, Cargill, Memphis, TN (2021-2022)
Field team member for an underground storage tank (UST) closure at the Cargill facility on President's Island. Worked with a Geoprobe-type DPT rig to advance soil borings around the former area of the USTs; collected soil borings every 5 feet to analyze with a photoionization detector; collected the soil samples from the bottom 5 feet with Terracores to have a lab perform analyses for hexane concentrations.

Highway 178 Phase I ESA, Colliers, Olive Branch, MS (2021-2021)
Performed a Phase I ESA of a former cricket ranch with an expedited schedule to meet client objectives. Performed in accordance with ASTM standards or client-directed formats and include historical and regulatory research, evaluation of state and federal environmental databases, visual reconnaissance of the property to document indications of potential environmental impairment, and report preparation.

Metro Purple Line Project Area 3 Engineering Desktop Review of Hydrogen Sulfide and Methane Conditions, Los Angeles Metro, Century Ct/Beverly Hills, CA (2020-2022)
Worked with a horizontal drill at a construction site for an extension of the Los Angeles, California Purple Line subway. Collected soil samples from drill mud for every 20 feet the drill was advanced; collected PID readings for soil samples to detect and volatile organic compounds (VOCs) or methane; organized samples collected in jars and preserved to be sent to a laboratory off-site for further VOC analyses.

Block A Legends Park Phase I and II ESA Addendum, PennRose, LLC, Memphis, TN (2021-2022)
Steffen supported Phase I and II ESA activity, directing excavation to locate buried, impacted soil, mapping the extent of the buried, impacted soil, and as a deliverable to the client.

HECO Remedial Design/Remedial Action Support, Warner Norcross & Judd LLP, Dyersburg, TN (2020-2021)
Steffen supported remedial design/remediation action by delineating a former stream at the client site, taking measurements of the stream for ecological services.

Landfill Limited Environmental Reviews, Select Energy, Various Locations in Texas, North Dakota, Ohio, and Louisiana (2021-2022)
Performing environmental site assessments to establish baseline conditions and identify environmental concerns at oil and gas salt water disposal sites before the client's acquisition.

***Research, Auburn University, Auburn, AL (2020-2021)**
As a Teaching Assistant, Steffen examined the effectiveness of ground penetrating radar for identifying earthquake-related features. He developed GIS analyses for classifying surface features related to materials found in the subsurface, and wrote technical papers and prepared presentations on his findings.

***Groundwater Study, Center for Applied Earth Science and Engineering Research, Memphis, TN (2020)**
As a Senior Water Technician, Steffen led field work to conduct reconnaissance on hydrogeologic areas of interest. He also supervised and performed piezometric analyses of groundwater with relation to the Memphis aquifer, and produced maps in ArcGIS for use by the local water utility company.

**indicates work for a previous employer*

Appendix C
Environmental Database Search Report

DATABASE REPORT

Project Property:	*Legends Park Block A Phase I ESA Update (June 2023)* *Legends Park Block A* *Memphis TN*
Project No:	*Z000000005*
Report Type:	*Database Report*
Order No:	*23052600072*
Requested by:	*EnSafe Inc.*
Date Completed:	*May 31, 2023*

Environmental Risk Information Services
A division of Glacier Media Inc.
1.866.517.5204 | info@erisinfo.com | erisinfo.com

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Executive Summary

Property Information:

Project Property:	*Legends Park Block A Phase I ESA Update (June 2023)* *Legends Park Block A Memphis TN*
Project No:	*Z000000005*

Coordinates:

Latitude:	*35.14925064*
Longitude:	*-90.02690963*
UTM Northing:	*3,893,642.33*
UTM Easting:	*770,847.18*
UTM Zone:	*UTM Zone 15S*

Elevation: *259 FT*

Order Information:

Order No:	*23052600072*
Date Requested:	*May 26, 2023*
Requested by:	*EnSafe Inc.*
Report Type:	*Database Report*

Historicals/Products:

ERIS Xplorer	*ERIS Xplorer*
Excel Add-On	*Excel Add-On*
Physical Setting Report (PSR)	*Physical Setting Report (PSR)*

Executive Summary: Report Summary

Database	Searched	Search Radius	Project Property	Within 0.12mi	0.125mi to 0.25mi	0.25mi to 0.50mi	0.50mi to 1.00mi	Total
Standard Environmental Records								
Federal								
NPL	Y	1	0	0	0	0	0	0
PROPOSED NPL	Y	1	0	0	0	0	0	0
DELETED NPL	Y	0.5	0	0	0	0	-	0
SEMS	Y	0.5	0	0	0	**1**	-	**1**
ODI	Y	0.5	0	0	0	0	-	0
SEMS ARCHIVE	Y	0.5	0	0	0	0	-	0
CERCLIS	Y	0.5	0	0	0	0	-	0
IODI	Y	0.5	0	0	0	0	-	0
CERCLIS NFRAP	Y	0.5	0	0	0	0	-	0
CERCLIS LIENS	Y	PO	0	-	-	-	-	0
RCRA CORRACTS	Y	1	0	0	0	0	0	0
RCRA TSD	Y	0.5	0	0	0	0	-	0
RCRA LQG	Y	0.25	0	0	0	-	-	0
RCRA SQG	Y	0.25	0	0	0	-	-	0
RCRA VSQG	Y	0.25	0	0	0	-	-	0
RCRA NON GEN	Y	0.25	0	0	**5**	-	-	**5**
RCRA CONTROLS	Y	0.5	0	0	0	0	-	0
FED ENG	Y	0.5	0	0	0	0	-	0
FED INST	Y	0.5	0	0	0	0	-	0
LUCIS	Y	0.5	0	0	0	0	-	0
NPL IC	Y	0.5	0	0	0	0	-	0
ERNS 1982 TO 1986	Y	PO	0	-	-	-	-	0
ERNS 1987 TO 1989	Y	PO	0	-	-	-	-	0
ERNS	Y	PO	0	-	-	-	-	0
FED BROWNFIELDS	Y	0.5	0	0	0	0	-	0
FEMA UST	Y	0.25	0	0	0	-	-	0
FRP	Y	0.25	0	0	0	-	-	0

Database	Searched	Search Radius	Project Property	Within 0.12mi	0.125mi to 0.25mi	0.25mi to 0.50mi	0.50mi to 1.00mi	Total
DELISTED FRP	Y	0.25	0	0	0	-	-	0
HIST GAS STATIONS	Y	0.25	0	0	0	-	-	0
REFN	Y	0.25	0	0	0	-	-	0
BULK TERMINAL	Y	0.25	0	0	0	-	-	0
SEMS LIEN	Y	PO	0	-	-	-	-	0
SUPERFUND ROD	Y	1	0	0	0	0	0	0
DOE FUSRAP	Y	1	0	0	0	0	0	0
State								
SHWS	Y	1	0	0	0	0	0	0
DEL SHWS	Y	1	0	0	0	0	0	0
SWF/LF	Y	0.5	0	0	0	0	-	0
LUST	Y	0.5	0	0	**1**	**13**	-	**14**
LUST TRUST	Y	0.5	0	0	0	**4**	-	**4**
DELISTED LST	Y	0.5	0	0	0	**1**	-	**1**
HWRA	Y	0.5	0	0	0	0	-	0
DHWR	Y	0.5	0	0	0	0	-	0
UST	Y	0.25	0	0	**4**	-	-	**4**
DEL STORAGE TNK	Y	0.25	0	0	0	-	-	0
INST	Y	0.5	0	0	**1**	**1**	-	**2**
ENG	Y	0.5	0	0	0	0	-	0
VCP	Y	0.5	0	**1**	**2**	**5**	-	**8**
SRP	Y	0.5	0	0	**1**	**4**	-	**5**
REMEDIATION	Y	0.25	0	**1**	**1**	-	-	**2**
Tribal								
INDIAN LUST	Y	0.5	0	0	0	0	-	0
INDIAN UST	Y	0.25	0	0	0	-	-	0
DELISTED INDIAN LST	Y	0.5	0	0	0	0	-	0
DELISTED INDIAN UST	Y	0.25	0	0	0	-	-	0
County	***No County standard environmental record sources available for this State.***							

Additional Environmental Records

Federal

FINDS/FRS	Y	PO	0	-	-	-	-	0
TRIS	Y	PO	0	-	-	-	-	0

Database	Searched	Search Radius	Project Property	Within 0.12mi	0.125mi to 0.25mi	0.25mi to 0.50mi	0.50mi to 1.00mi	Total
PFAS NPL	Y	0.5	0	0	0	0	-	0
PFAS FED SITES	Y	0.5	0	0	0	0	-	0
PFAS SSEHRI	Y	0.5	0	0	0	0	-	0
ERNS PFAS	Y	0.5	0	0	0	0	-	0
PFAS NPDES	Y	0.5	0	0	0	0	-	0
PFAS TRI	Y	0.5	0	0	0	0	-	0
PFAS WATER	Y	0.5	0	0	0	0	-	0
PFAS TSCA	Y	0.5	0	0	0	0	-	0
PFAS E-MANIFEST	Y	0.5	0	0	0	0	-	0
PFAS IND	Y	0.5	0	0	0	**2**	-	**2**
HMIRS	Y	0.125	0	0	-	-	-	0
NCDL	Y	0.125	0	0	-	-	-	0
TSCA	Y	0.125	0	0	-	-	-	0
HIST TSCA	Y	0.125	0	0	-	-	-	0
FTTS ADMIN	Y	PO	0	-	-	-	-	0
FTTS INSP	Y	PO	0	-	-	-	-	0
PRP	Y	PO	0	-	-	-	-	0
SCRD DRYCLEANER	Y	0.5	0	0	0	0	-	0
ICIS	Y	PO	0	-	-	-	-	0
FED DRYCLEANERS	Y	0.25	0	0	0	-	-	0
DELISTED FED DRY	Y	0.25	0	0	0	-	-	0
FUDS	Y	1	0	0	0	0	0	0
FUDS MRS	Y	1	0	0	0	0	0	0
FORMER NIKE	Y	1	0	0	0	0	0	0
PIPELINE INCIDENT	Y	PO	0	-	-	-	-	0
MLTS	Y	PO	0	-	-	-	-	0
HIST MLTS	Y	PO	0	-	-	-	-	0
MINES	Y	0.25	0	0	0	-	-	0
SMCRA	Y	1	0	0	0	0	0	0
MRDS	Y	1	0	0	0	0	0	0
LM SITES	Y	1	0	0	0	0	0	0
ALT FUELS	Y	0.25	0	0	0	-	-	0
CONSENT DECREES	Y	0.25	0	0	0	-	-	0
AFS	Y	PO	0	-	-	-	-	0
SSTS	Y	0.25	0	0	0	-	-	0

Database	Searched	Search Radius	Project Property	Within 0.12mi	0.125mi to 0.25mi	0.25mi to 0.50mi	0.50mi to 1.00mi	Total
PCBT	Y	0.5	0	0	0	0	-	0
PCB	Y	0.5	0	0	0	0	-	0
State								
PRIORITY CLEAN	Y	0.25	0	0	0	-	-	0
DELISTED DCER	Y	0.25	0	0	0	-	-	0
DRYCLEANERS	Y	0.25	0	0	0	-	-	0
DELISTED DRYCLEANERS	Y	0.25	0	0	0	-	-	0
CDL	Y	PO	0	-	-	-	-	0
SPILLS	Y	0.125	0	0	-	-	-	0
SPILS	Y	0.125	0	0	-	-	-	0
SWM COMPLAINT	Y	0.25	0	0	**1**	-	-	**1**
HWM	Y	0.25	0	0	0	-	-	0
Tribal	***No Tribal additional environmental record sources available for this State.***							
County	***No County additional environmental record sources available for this State.***							
	Total:		0	**2**	**16**	**31**	0	**49**

**** PO – Property Only***
**** 'Property and adjoining properties' database search radii are set at 0.25 miles.***

Executive Summary: Site Report Summary - Project Property

Map Key	DB	Company/Site Name	Address	Direction	Distance (mi/ft)	Elev Diff (ft)	Page Number

No records found in the selected databases for the project property.

Executive Summary: Site Report Summary - Surrounding Properties

Map Key	DB	Company/Site Name	Address	Direction	Distance (mi/ft)	Elev Diff (ft)	Page Number
1	VCP	LEGENDS PARK NORTH/WEST	945 PEACH AVENUE MEMPHIS TN	WNW	0.04 / 211.83	-9	24
1	REMEDIATION	LEGENDS PARK NORTH/WEST	945 PEACH AVENUE MEMPHIS TN	WNW	0.04 / 211.83	-9	24
2	RCRA NON GEN	MEMPHIS LIGHT GAS AND WATER DIVISION	418 DECATUR LANE MEMPHIS TN 38105 ***EPA Handler ID:*** TNR000007278	NNE	0.14 / 732.41	3	24
3	RCRA NON GEN	COLLINS CHAPEL HOSP HLTH CTR	409 N AYERS ST MEMPHIS TN 38107 ***EPA Handler ID:*** TND081341950	NW	0.15 / 768.37	0	25
4	SWM COMPLAINT	McKenzie - Lane Auto Salvage	433 North Waldran Memphis TN	ENE	0.22 / 1,148.66	1	26
5	UST	Insulation And Refractories Services	1041 Galloway Avenue Memphis TN 38105 ***Facility ID | Facility Status:*** 9790417 | InActive ***Tank ID:*** 45985, 45986	NE	0.23 / 1,188.96	-1	26
5	UST	Insulation And Refractories Service	1041 Galloway Memphis TN 38105 ***Facility ID | Facility Status:*** 9790418 | InActive ***Tank ID:*** 45988, 45987	NE	0.23 / 1,188.96	-1	28
6	UST	Hardy's Service Station	955 Poplar Memphis TN 38105 ***Facility ID | Facility Status:*** 9790387 | InActive ***Tank ID:*** 45636, 45637, 45638, 45639	SSW	0.24 / 1,253.72	-14	30
7	LUST	Exxon/Mobile Bulk Terminal	432 North Dunlap Memphis TN ***Facility ID | Current Status:*** 9799001 | 8 Case Closed	WNW	0.24 / 1,281.26	-11	33
7	UST	Memphis Bulk Plant	432 North Dunlap St. Memphis TN 38105 ***Facility ID | Facility Status:*** 9790984 | InActive ***Tank ID:*** 48801, 48802, 48800, 48799	WNW	0.24 / 1,281.26	-11	33
7	SRP	MEMPHIS BULK PLANT	432 NORTH DUNLAP ST. MEMPHIS TN	WNW	0.24 / 1,281.26	-11	36
7	VCP	MEMPHIS BULK PLANT	432 NORTH DUNLAP ST. MEMPHIS TN	WNW	0.24 / 1,281.26	-11	36

Map Key	DB	Company/Site Name	Address	Direction	Distance (mi/ft)	Elev Diff (ft)	Page Number
8	RCRA NON GEN	REGAL OLDSMOBILE	850 POPLAR AVE MEMPHIS TN 38104 ***EPA Handler ID:*** TND034748475	WSW	0.24 / 1,283.05	-2	36
9	RCRA NON GEN	MITCHELL & SON INC	451 N WALDRAN MEMPHIS TN 38105 ***EPA Handler ID:*** TND000005884	NE	0.24 / 1,290.05	-2	37
10	RCRA NON GEN	MEMPHIS HOUSING AUTHORITY-DIXIE HOME DEV	916 POPLAR AVE MEMPHIS TN 38105 ***EPA Handler ID:*** TN0000033639	SSW	0.25 / 1,296.20	-13	38
10	VCP	DIXIE HOMES	916 POPLAR AVENUE MEMPHIS TN	SSW	0.25 / 1,296.20	-13	39
10	INST	DIXIE HOMES	916 POPLAR AVENUE MEMPHIS TN	SSW	0.25 / 1,296.20	-13	39
10	REMEDIATION	DIXIE HOMES	916 POPLAR AVENUE MEMPHIS TN	SSW	0.25 / 1,296.20	-13	40
11	SRP	CHURCH'S FRIED CHICKEN	925 POPLAR AVENUE MEMPHIS TN	SSW	0.26 / 1,352.09	-12	40
11	VCP	CHURCH'S FRIED CHICKEN	925 POPLAR AVENUE MEMPHIS TN	SSW	0.26 / 1,352.09	-12	40
12	PFAS IND	DIXIE MANUFACTURING COMPANY	MEMPHIS TN	NE	0.26 / 1,352.77	-7	40
13	INST	SOUTHERN STEEL	431 DUNLAP MEMPHIS TN	WNW	0.27 / 1,418.86	-13	41
13	SRP	SOUTHERN STEEL	431 DUNLAP MEMPHIS TN	WNW	0.27 / 1,418.86	-13	41
13	VCP	SOUTHERN STEEL	431 DUNLAP MEMPHIS TN	WNW	0.27 / 1,418.86	-13	41
14	SRP	MEMPHIS MENTAL HEALTH INSTITUTE	865 POPLAR AVENUE MEMPHIS TN	SW	0.31 / 1,626.09	-3	42

Map Key	DB	Company/Site Name	Address	Direction	Distance (mi/ft)	Elev Diff (ft)	Page Number
14	VCP	MEMPHIS MENTAL HEALTH INSTITUTE	865 POPLAR AVENUE MEMPHIS TN	SW	0.31 / 1,626.09	-3	42
15	LUST TRUST	BP STATION #767	821 POPLAR AVE Memphis TN 38105 ***Facility ID*	*Status:*** 9791083 | Closed	WSW	0.38 / 2,008.91	5	42
15	LUST	AMOCO STATION #767	821 POPLAR AVENUE Memphis TN 38105 ***Facility ID*	*Current Status:*** 9791083 | 8 Case Closed	WSW	0.38 / 2,008.91	5	42
15	LUST	BP/AMOCO #18440	821 Poplar Avenue Memphis TN 38105 ***Facility ID*	*Current Status:*** 9791083 | 8 Case Closed	WSW	0.38 / 2,008.91	5	43
15	LUST	Poplar Avenue BP	821 Poplar Avenue Memphis TN 38105 ***Facility ID*	*Current Status:*** 9791083 | 1d Completed Line Closure	WSW	0.38 / 2,008.91	5	43
15	LUST	Poplar Avenue BP	821 Poplar Avenue Memphis TN 38105 ***Facility ID*	*Current Status:*** 9791083 | 1a Completed Tank Closure	WSW	0.38 / 2,008.91	5	43
16	LUST	VA MEDICAL CENTER	1030 JEFFERSON AVENUE Memphis TN 38104 ***Facility ID*	*Current Status:*** 790807 | 1a Completed Tank Closure	SSE	0.42 / 2,227.26	7	43
16	SEMS	VA MEDICAL CENTER	1030 JEFFERSON AVENUE MEMPHIS TN 38104 ***EPA ID:*** TNN000410932		SSE	0.42 / 2,227.26	7	44
17	LUST	AIR MASK SERVICE UNIT	1010 FOXON Memphis TN 38105 ***Facility ID*	*Current Status:*** 9791109 | 1a Completed Tank Closure	NNE	0.43 / 2,285.02	-2	45
18	LUST TRUST	EXTRA EXPRESS MARKET	777 POPLAR AVE Memphis TN 38105 ***Facility ID*	*Status:*** 9791539 | Closed	WSW	0.44 / 2,311.93	9	45
18	LUST TRUST	7-ELEVEN #25559	777 POPLAR AVE Memphis TN ***Facility ID*	*Status:*** 9791539 | Closed	WSW	0.44 / 2,311.93	9	45
18	LUST TRUST	FLASH MARKET #72	777 POPLAR AVENUE Memphis TN ***Facility ID*	*Status:*** 9791539 | Closed	WSW	0.44 / 2,311.93	9	46
18	LUST	FLASH OIL CO #72	777 POPLAR AVE Memphis TN 38104 ***Facility ID*	*Current Status:*** 9791539 | 8 Case Closed	WSW	0.44 / 2,311.93	9	46
18	LUST	FLASH OIL CO #72	777 POPLAR AVE Memphis TN 38104		WSW	0.44 / 2,311.93	9	46

Map Key	DB	Company/Site Name	Address	Direction	Distance (mi/ft)	Elev Diff (ft)	Page Number
			***Facility ID*	*Current Status:*** 9791539 | 8 Case Closed			
18	DELISTED LST	FORMER EXTRA EXPRESS MART	777 Poplar Avenue Memphis TN 38104	WSW	0.44 / 2,311.93	9	46
18	LUST	EXTRA SEVEN ELEVEN, INC.	777 Poplar Avenue Memphis TN 38104	WSW	0.44 / 2,311.93	9	47
			***Facility ID*	*Current Status:*** 9791539 | 8 Case Closed			
19	LUST	THE MED ADAM'S BUILDING	842 JEFFERSON AVENUE Memphis TN 38103	SW	0.46 / 2,444.27	5	47
			***Facility ID*	*Current Status:*** 9792354 | 8 Case Closed			
20	SRP	AUTO-CHLOR, INC.	746 POPLAR AVENUE MEMPHIS TN	WSW	0.47 / 2,490.79	11	47
20	LUST	AUTO CLOR SYSTEM	746 POPLAR AVE Memphis TN 38105	WSW	0.47 / 2,490.79	11	48
			***Facility ID*	*Current Status:*** 9790057 | 1a Completed Tank Closure			
20	VCP	AUTO-CHLOR	746 POPLAR AVENUE MEMPHIS TN	WSW	0.47 / 2,490.79	11	48
20	VCP	AUTO-CHLOR, INC.	746 POPLAR AVENUE MEMPHIS TN	WSW	0.47 / 2,490.79	11	48
21	LUST	Le Bonhuer Faculty Office Building	824 Adams St. Memphis TN	SW	0.48 / 2,529.29	16	48
			***Facility ID*	*Current Status:*** 9799039 | 1a Completed Tank Closure			
22	LUST	UTHSC Medical Center Emergency Generator Building	956 Court Ave Memphis TN 38103-2814	SSW	0.49 / 2,566.25	-10	49
			***Facility ID*	*Current Status:*** 792203 | 1a Completed Tank Closure			
23	PFAS IND	AUTO-CHLOR SYSTEM	MEMPHIS TN	WSW	0.49 / 2,566.27	12	49

Executive Summary: Summary by Data Source

Standard

Federal

SEMS - SEMS List 8R Active Site Inventory

A search of the SEMS database, dated Jan 25, 2023 has found that there are 1 SEMS site(s) within approximately 0.50 miles of the project property.

Equal/Higher Elevation	Address	Direction	Distance (mi/ft)	Map Key
VA MEDICAL CENTER	1030 JEFFERSON AVENUE MEMPHIS TN 38104 ***EPA ID**: TNN000410932*	SSE	0.42 / 2,227.26	16

RCRA NON GEN - RCRA Non-Generators

A search of the RCRA NON GEN database, dated Jan 23, 2023 has found that there are 5 RCRA NON GEN site(s) within approximately 0.25 miles of the project property.

Equal/Higher Elevation	Address	Direction	Distance (mi/ft)	Map Key
MEMPHIS LIGHT GAS AND WATER DIVISION	418 DECATUR LANE MEMPHIS TN 38105 ***EPA Handler ID**: TNR000007278*	NNE	0.14 / 732.41	2

Lower Elevation	Address	Direction	Distance (mi/ft)	Map Key
COLLINS CHAPEL HOSP HLTH CTR	409 N AYERS ST MEMPHIS TN 38107 ***EPA Handler ID**: TND081341950*	NW	0.15 / 768.37	3
REGAL OLDSMOBILE	850 POPLAR AVE MEMPHIS TN 38104 ***EPA Handler ID**: TND034748475*	WSW	0.24 / 1,283.05	8
MITCHELL & SON INC	451 N WALDRAN MEMPHIS TN 38105 ***EPA Handler ID**: TND000005884*	NE	0.24 / 1,290.05	9
MEMPHIS HOUSING AUTHORITY-DIXIE HOME DEV	916 POPLAR AVE MEMPHIS TN 38105 ***EPA Handler ID**: TN0000033639*	SSW	0.25 / 1,296.20	10

State

LUST - Environmental Activities on USTs

A search of the LUST database, dated Apr 27, 2023 has found that there are 14 LUST site(s) within approximately 0.50 miles of the project property.

Equal/Higher Elevation	Address	Direction	Distance (mi/ft)	Map Key
Poplar Avenue BP	821 Poplar Avenue Memphis TN 38105	WSW	0.38 / 2,008.91	15
	***Facility ID | Current Status**: 9791083 | 1a Completed Tank Closure*			
Poplar Avenue BP	821 Poplar Avenue Memphis TN 38105	WSW	0.38 / 2,008.91	15
	***Facility ID | Current Status**: 9791083 | 1d Completed Line Closure*			
BP/AMOCO #18440	821 Poplar Avenue Memphis TN 38105	WSW	0.38 / 2,008.91	15
	***Facility ID | Current Status**: 9791083 | 8 Case Closed*			
AMOCO STATION #767	821 POPLAR AVENUE Memphis TN 38105	WSW	0.38 / 2,008.91	15
	***Facility ID | Current Status**: 9791083 | 8 Case Closed*			
VA MEDICAL CENTER	1030 JEFFERSON AVENUE Memphis TN 38104	SSE	0.42 / 2,227.26	16
	***Facility ID | Current Status**: 790807 | 1a Completed Tank Closure*			
EXTRA SEVEN ELEVEN, INC.	777 Poplar Avenue Memphis TN 38104	WSW	0.44 / 2,311.93	18
	***Facility ID | Current Status**: 9791539 | 8 Case Closed*			
FLASH OIL CO #72	777 POPLAR AVE Memphis TN 38104	WSW	0.44 / 2,311.93	18
	***Facility ID | Current Status**: 9791539 | 8 Case Closed*			
FLASH OIL CO #72	777 POPLAR AVE Memphis TN 38104	WSW	0.44 / 2,311.93	18
	***Facility ID | Current Status**: 9791539 | 8 Case Closed*			
THE MED ADAM'S BUILDING	842 JEFFERSON AVENUE Memphis TN 38103	SW	0.46 / 2,444.27	19
	***Facility ID | Current Status**: 9792354 | 8 Case Closed*			
AUTO CLOR SYSTEM	746 POPLAR AVE Memphis TN 38105	WSW	0.47 / 2,490.79	20
	***Facility ID | Current Status**: 9790057 | 1a Completed Tank Closure*			
Le Bonhuer Faculty Office Building	824 Adams St. Memphis TN	SW	0.48 / 2,529.29	21
	***Facility ID | Current Status**: 9799039 | 1a Completed Tank Closure*			

Lower Elevation	Address	Direction	Distance (mi/ft)	Map Key
Exxon/Mobile Bulk Terminal	432 North Dunlap Memphis TN	WNW	0.24 / 1,281.26	7
	***Facility ID | Current Status**: 9799001 | 8 Case Closed*			
AIR MASK SERVICE UNIT	1010 FOXON Memphis TN 38105	NNE	0.43 / 2,285.02	17

Lower Elevation	Address	Direction	Distance (mi/ft)	Map Key
	***Facility ID | Current Status**: 9791109 | 1a Completed Tank Closure*			
UTHSC Medical Center Emergency Generator Building	956 Court Ave Memphis TN 38103-2814	SSW	0.49 / 2,566.25	22
	***Facility ID | Current Status**: 792203 | 1a Completed Tank Closure*			

LUST TRUST - Tennessee Petroleum Underground Storage Tank Fund

A search of the LUST TRUST database, dated Apr 27, 2023 has found that there are 4 LUST TRUST site(s) within approximately 0.50 miles of the project property.

Equal/Higher Elevation	Address	Direction	Distance (mi/ft)	Map Key
BP STATION #767	821 POPLAR AVE Memphis TN 38105	WSW	0.38 / 2,008.91	15
	***Facility ID | Status**: 9791083 | Closed*			
7-ELEVEN #25559	777 POPLAR AVE Memphis TN	WSW	0.44 / 2,311.93	18
	***Facility ID | Status**: 9791539 | Closed*			
EXTRA EXPRESS MARKET	777 POPLAR AVE Memphis TN 38105	WSW	0.44 / 2,311.93	18
	***Facility ID | Status**: 9791539 | Closed*			
FLASH MARKET #72	777 POPLAR AVENUE Memphis TN	WSW	0.44 / 2,311.93	18
	***Facility ID | Status**: 9791539 | Closed*			

DELISTED LST - Delisted Leaking Storage Tanks

A search of the DELISTED LST database, dated Apr 27, 2023 has found that there are 1 DELISTED LST site(s) within approximately 0.50 miles of the project property.

Equal/Higher Elevation	Address	Direction	Distance (mi/ft)	Map Key
FORMER EXTRA EXPRESS MART	777 Poplar Avenue Memphis TN 38104	WSW	0.44 / 2,311.93	18

UST - Underground Storage Tanks

A search of the UST database, dated Apr 27, 2023 has found that there are 4 UST site(s) within approximately 0.25 miles of the project property.

Lower Elevation	Address	Direction	Distance (mi/ft)	Map Key
Insulation And Refractories Service	1041 Galloway Memphis TN 38105	NE	0.23 / 1,188.96	5
	***Facility ID | Facility Status**: 9790418 | InActive* ***Tank ID**: 45988, 45987*			
Insulation And Refractories Services	1041 Galloway Avenue Memphis TN 38105	NE	0.23 / 1,188.96	5

Lower Elevation	Address	Direction	Distance (mi/ft)	Map Key
	***Facility ID | Facility Status**: 9790417 | InActive* ***Tank ID**: 45985, 45986*			
Hardy's Service Station	955 Poplar Memphis TN 38105	SSW	0.24 / 1,253.72	6
	***Facility ID | Facility Status**: 9790387 | InActive* ***Tank ID**: 45636, 45637, 45638, 45639*			
Memphis Bulk Plant	432 North Dunlap St. Memphis TN 38105	WNW	0.24 / 1,281.26	7
	***Facility ID | Facility Status**: 9790984 | InActive* ***Tank ID**: 48801, 48802, 48800, 48799*			

INST - Sites Remediated with Institutional Controls

A search of the INST database, dated Mar 27, 2023 has found that there are 2 INST site(s) within approximately 0.50 miles of the project property.

Lower Elevation	Address	Direction	Distance (mi/ft)	Map Key
DIXIE HOMES	916 POPLAR AVENUE MEMPHIS TN	SSW	0.25 / 1,296.20	10
SOUTHERN STEEL	431 DUNLAP MEMPHIS TN	WNW	0.27 / 1,418.86	13

VCP - Voluntary Cleanup, Oversight and Assistance Program

A search of the VCP database, dated Mar 27, 2023 has found that there are 8 VCP site(s) within approximately 0.50 miles of the project property.

Equal/Higher Elevation	Address	Direction	Distance (mi/ft)	Map Key
AUTO-CHLOR, INC.	746 POPLAR AVENUE MEMPHIS TN	WSW	0.47 / 2,490.79	20
AUTO-CHLOR	746 POPLAR AVENUE MEMPHIS TN	WSW	0.47 / 2,490.79	20

Lower Elevation	Address	Direction	Distance (mi/ft)	Map Key
LEGENDS PARK NORTH/WEST	945 PEACH AVENUE MEMPHIS TN	WNW	0.04 / 211.83	1
MEMPHIS BULK PLANT	432 NORTH DUNLAP ST. MEMPHIS TN	WNW	0.24 / 1,281.26	7
DIXIE HOMES	916 POPLAR AVENUE MEMPHIS TN	SSW	0.25 / 1,296.20	10

Lower Elevation	Address	Direction	Distance (mi/ft)	Map Key
CHURCH'S FRIED CHICKEN	925 POPLAR AVENUE MEMPHIS TN	SSW	0.26 / 1,352.09	11
SOUTHERN STEEL	431 DUNLAP MEMPHIS TN	WNW	0.27 / 1,418.86	13
MEMPHIS MENTAL HEALTH INSTITUTE	865 POPLAR AVENUE MEMPHIS TN	SW	0.31 / 1,626.09	14

SRP - State Remediation Program List

A search of the SRP database, dated Mar 27, 2023 has found that there are 5 SRP site(s) within approximately 0.50 miles of the project property.

Equal/Higher Elevation	Address	Direction	Distance (mi/ft)	Map Key
AUTO-CHLOR, INC.	746 POPLAR AVENUE MEMPHIS TN	WSW	0.47 / 2,490.79	20

Lower Elevation	Address	Direction	Distance (mi/ft)	Map Key
MEMPHIS BULK PLANT	432 NORTH DUNLAP ST. MEMPHIS TN	WNW	0.24 / 1,281.26	7
CHURCH'S FRIED CHICKEN	925 POPLAR AVENUE MEMPHIS TN	SSW	0.26 / 1,352.09	11
SOUTHERN STEEL	431 DUNLAP MEMPHIS TN	WNW	0.27 / 1,418.86	13
MEMPHIS MENTAL HEALTH INSTITUTE	865 POPLAR AVENUE MEMPHIS TN	SW	0.31 / 1,626.09	14

REMEDIATION - Division of Remediation Sites

A search of the REMEDIATION database, dated Mar 27, 2023 has found that there are 2 REMEDIATION site(s) within approximately 0.25 miles of the project property.

Lower Elevation	Address	Direction	Distance (mi/ft)	Map Key
LEGENDS PARK NORTH/WEST	945 PEACH AVENUE MEMPHIS TN	WNW	0.04 / 211.83	1

Lower Elevation	Address	Direction	Distance (mi/ft)	Map Key
DIXIE HOMES	916 POPLAR AVENUE MEMPHIS TN	SSW	0.25 / 1,296.20	10

Non Standard

Federal

PFAS IND - PFAS Industry Sectors

A search of the PFAS IND database, dated Apr 16, 2023 has found that there are 2 PFAS IND site(s) within approximately 0.50 miles of the project property.

Equal/Higher Elevation	Address	Direction	Distance (mi/ft)	Map Key
AUTO-CHLOR SYSTEM	MEMPHIS TN	WSW	0.49 / 2,566.27	23

Lower Elevation	Address	Direction	Distance (mi/ft)	Map Key
DIXIE MANUFACTURING COMPANY	MEMPHIS TN	NE	0.26 / 1,352.77	12

State

SWM COMPLAINT - Solid Waste Management (SWM) Complaints

A search of the SWM COMPLAINT database, dated Jan 25, 2021 has found that there are 1 SWM COMPLAINT site(s) within approximately 0.25 miles of the project property.

Equal/Higher Elevation	Address	Direction	Distance (mi/ft)	Map Key
McKenzie - Lane Auto Salvage	433 North Waldran Memphis TN	ENE	0.22 / 1,148.66	4

Map: 1.0 Mile Radius

Order Number: 23052600072

Address: Legends Park Block A, Memphis, TN

ERIS

- Project Property
- Buffer Outline
- Sites with Higher Elevation
- Sites with Same Elevation
- Sites with Lower Elevation
- Sites with Unknown Elevation
- Areas with Higher Elevation
- Areas with Same Elevation
- Areas with Lower Elevation
- Areas with Unknown Elevation
- Freeways; Highways
- Traffic Circle; Ramp
- Major & Minor Arterial
- Traffic Circle; Ramp
- Local Road
- Rail
- State
- Country
- National Wetland
- Indian Reserve Land
- Plume
- 100 Year Flood Zone
- 500 Year Flood Zone
- FWS Special Designation Areas
- National Priorities List (Active, Delisted, Proposed, Institutional Control)

Source: © 2021 ESRI StreetMap Premium

© ERIS Information Inc.

Map: 0.5 Mile Radius

Order Number: 23052600072

Address: Legends Park Block A, Memphis, TN

ERIS

- Project Property
- Buffer Outline
- Sites with Higher Elevation
- Sites with Same Elevation
- Sites with Lower Elevation
- Sites with Unknown Elevation
- Areas with Higher Elevation
- Areas with Same Elevation
- Areas with Lower Elevation
- Areas with Unknown Elevation
- Freeways; Highways
- Traffic Circle; Ramp
- Major & Minor Arterial
- Traffic Circle; Ramp
- Local Road
- Rail
- State
- Country
- National Wetland
- Indian Reserve Land
- Plume
- 100 Year Flood Zone
- 500 Year Flood Zone
- FWS Special Designation Areas
- National Priorities List (Active, Delisted, Proposed, Institutional Control)

Source: © 2021 ESRI StreetMap Premium

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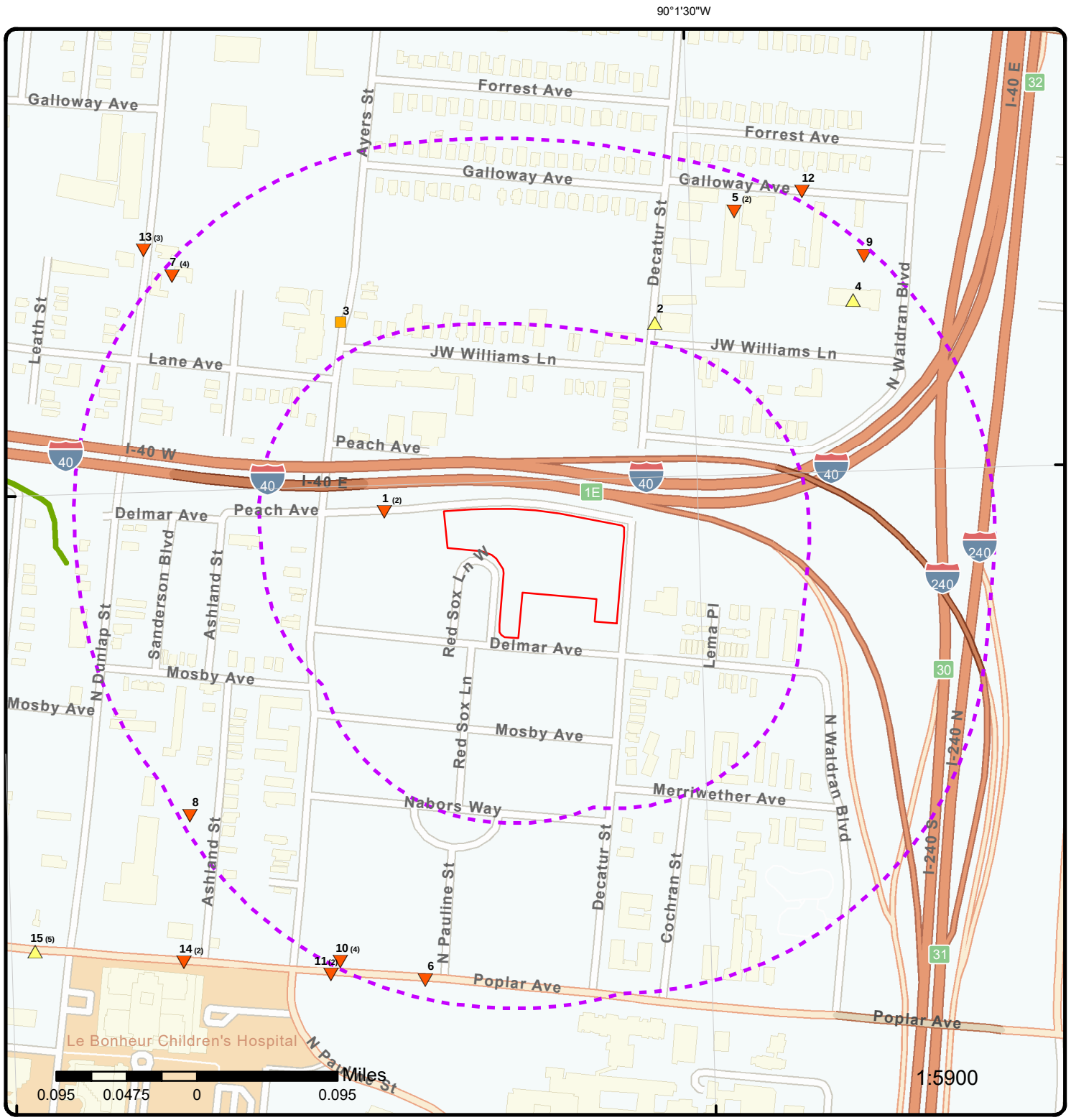

Map: 0.25 Mile Radius

Order Number: 23052600072

Address: Legends Park Block A, Memphis, TN

- Project Property
- Buffer Outline
- Sites with Higher Elevation
- Sites with Same Elevation
- Sites with Lower Elevation
- Sites with Unknown Elevation
- Areas with Higher Elevation
- Areas with Same Elevation
- Areas with Lower Elevation
- Areas with Unknown Elevation
- Freeways; Highways
- Traffic Circle; Ramp
- Major & Minor Arterial
- Traffic Circle; Ramp
- Local Road
- Rail
- State
- Country
- National Wetland
- Indian Reserve Land
- Plume
- 100 Year Flood Zone
- 500 Year Flood Zone
- FWS Special Designation Areas
- National Priorities List (Active, Delisted, Proposed, Institutional Control)

Source: © 2021 ESRI StreetMap Premium

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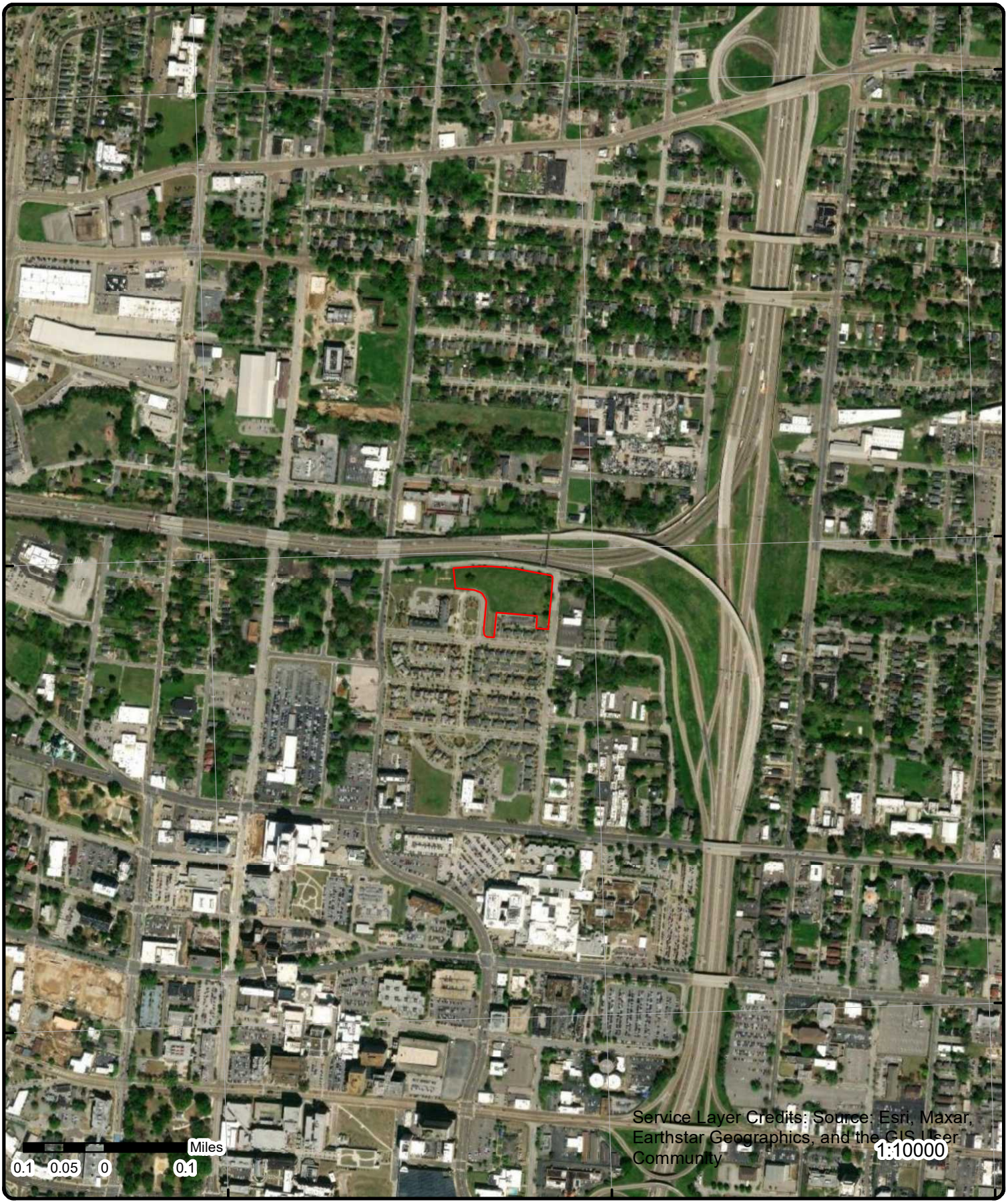


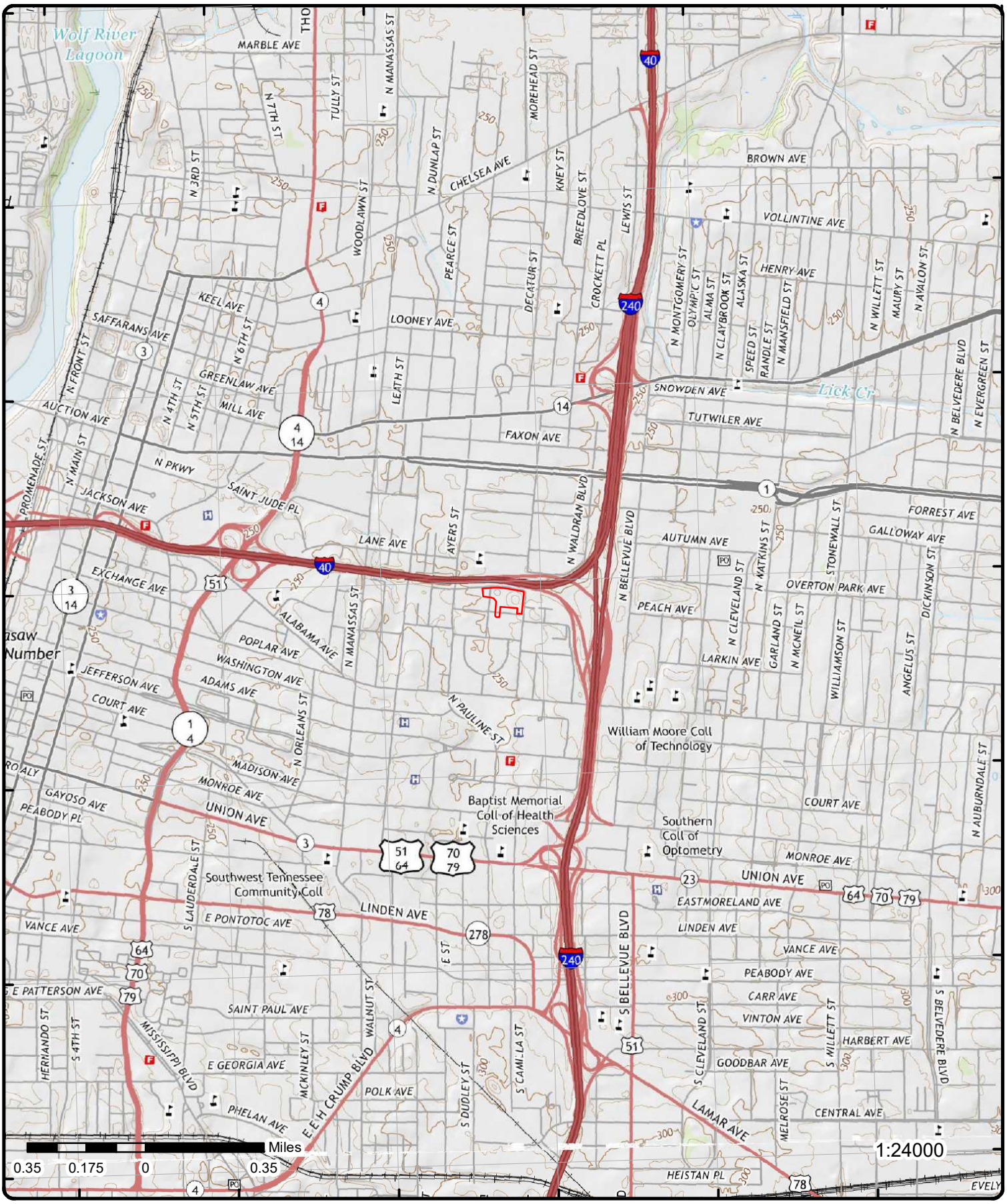
Aerial **Year: 2022**

Order Number: 23052600072

Address: Legends Park Block A, Memphis, TN

Source: ESRI World Imagery

© ERIS Information Inc.



Topographic Map

Year: 2016

Order Number: 23052600072

Address: Legends Park Block A, TN

Quadrangle(s): Northeast Memphis, TN; Northwest Memphis, TN; Southwest Memphis, TN

© ERIS Information Inc.

Source: USGS Topographic Map

Detail Report

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
1	1 of 2	WNW	0.04 / 211.83	250.28 / -9	LEGENDS PARK NORTH/WEST 945 PEACH AVENUE MEMPHIS TN	VCP

Site ID:	79846S1	**Program:**	VOLUNTARY
EPA Facility ID:		**EFO:**	MEMPHIS
EPA Registry ID:		**County:**	SHELBY
Status:	OPEN	**Latitude:**	35.147476
Acres:	1	**Longitude:**	-90.028673

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
1	2 of 2	WNW	0.04 / 211.83	250.28 / -9	LEGENDS PARK NORTH/WEST 945 PEACH AVENUE MEMPHIS TN	REMEDIATION

DOR Site ID:	79846S1	**DOR EFO:**	MEMPHIS
Status:	OPEN	**Program:**	VOLUNTARY
EPA Facility ID:		**County:**	SHELBY
EPA Registry ID:		**Latitude:**	35.147476
Delisted:		**Longitude:**	-90.028673
Promulgated Date:		**Acres:**	1

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
2	1 of 1	NNE	0.14 / 732.41	262.26 / 3	MEMPHIS LIGHT GAS AND WATER DIVISION 418 DECATUR LANE MEMPHIS TN 38105	RCRA NON GEN

EPA Handler ID:	TNR000007278
Gen Status Universe:	No Report
Contact Name:	MONICA DARBY
Contact Address:	418 DECATUR LANE , , MEMPHIS , TN, 38105 , US
Contact Phone No and Ext:	901-528-4423
Contact Email:	
Contact Country:	US
County Name:	SHELBY
EPA Region:	04
Land Type:	
Receive Date:	20000303
Location Latitude:	
Location Longitude:	

Violation/Evaluation Summary

Note:	NO RECORDS: As of Jan 2023, there are no Compliance Monitoring and Enforcement (violation) records associated with this facility (EPA ID).

Handler Summary

Importer Activity:	No
Mixed Waste Generator:	No
Transporter Activity:	No
Transfer Facility:	No
Onsite Burner Exemption:	No
Furnace Exemption:	No

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Underground Injection Activity:	No
Commercial TSD:	No
Used Oil Transporter:	No
Used Oil Transfer Facility:	No
Used Oil Processor:	No
Used Oil Refiner:	No
Used Oil Burner:	No
Used Oil Market Burner:	No
Used Oil Spec Marketer:	No

Hazardous Waste Handler Details

Sequence No:	1
Receive Date:	20000303
Handler Name:	MEMPHIS LIGHT GAS AND WATER DIVISION
Source Type:	Notification
Federal Waste Generator Code:	N
Generator Code Description:	Not a Generator, Verified

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
3	1 of 1	NW	0.15 / 768.37	259.18 / 0	COLLINS CHAPEL HOSP HLTH CTR 409 N AYERS ST MEMPHIS TN 38107	RCRA NON GEN

EPA Handler ID:	TND081341950
Gen Status Universe:	No Report
Contact Name:	COLLINS CHAPEL
Contact Address:	409 N AYERS ST , , MEMPHIS , TN, 38107 , US
Contact Phone No and Ext:	615-555-1212
Contact Email:	
Contact Country:	US
County Name:	SHELBY
EPA Region:	04
Land Type:	
Receive Date:	19801119
Location Latitude:	
Location Longitude:	

Violation/Evaluation Summary

Note:	NO RECORDS: As of Jan 2023, there are no Compliance Monitoring and Enforcement (violation) records associated with this facility (EPA ID).

Handler Summary

Importer Activity:	No
Mixed Waste Generator:	No
Transporter Activity:	No
Transfer Facility:	No
Onsite Burner Exemption:	No
Furnace Exemption:	No
Underground Injection Activity:	No
Commercial TSD:	No
Used Oil Transporter:	No
Used Oil Transfer Facility:	No
Used Oil Processor:	No
Used Oil Refiner:	No
Used Oil Burner:	No
Used Oil Market Burner:	No
Used Oil Spec Marketer:	No

Hazardous Waste Handler Details

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Sequence No: 1
Receive Date: 19801119
Handler Name: COLLINS CHAPEL HOSP HLTH CTR
Source Type: Notification
Federal Waste Generator Code: N
Generator Code Description: Not a Generator, Verified

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
4	1 of 1	ENE	0.22 / 1,148.66	260.61 / 1	McKenzie - Lane Auto Salvage 433 North Waldran Memphis TN	SWM COMPLAINT

Complaint ID: 46636
Facility ID: NRS790000198
Site ID: 7529
Permit No:
Investigated: FEB-27-2018
Status: NOV
Completed: MAR-20-2018
Received: FEB-02-2018
Site Owner: Donna Greer
Site Description: Auto Recycling

RCV Mon Year: FEB-2018
Calendar Days: 25
DIV: SWM
EFO: Memphis
County: Shelby
Other Counties:
Latitude:
Longitude:

Complaint

Complaint No: 46636
Assigned Date: FEB-23-2018
Date Received: FEB-02-2018
How Received: Phone
Concerning: Used Oil
Concering (Other):

Investigation

Status: NOV
Status Detail: Area where engines are pulled had some staining on the ground as well as a few puddles of antifreeze from incidental spillage. Once engines and transmissions are removed they are drained into an oil tank inside the building and used to power a used oil heater. Owner agreed to move the rack onto a concrete surface, remove the stained soil and institute procedures to minimize and contain spillage. An NOV will be sent.
NOV mailed 3/7/18
Responsible Party: Josh Smith-Lane Auto Parts
Resp Party Phone: 901-525-7278
Photos:
Date Investigated: FEB-27-2018
Date Completed: MAR-20-2018
Date Referred:
Referred to:
Last Updated: JUN-29-2018
Updated by: BG35162

Parent Site

Parent Site Name: McKenzie - Lane Auto Salvage
Site Location: 433 North Waldran
County: Shelby
EFO: Memphis
Latitude: 35.151498
Longitude: -90.022579

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
5	1 of 2	NE	0.23 / 1,188.96	258.92 / -1	Insulation And Refractories Services 1041 Galloway Avenue Memphis TN 38105	UST

Facility ID: 9790417
Tank Count: 2

Facility Status:	InActive	**Compart Cnt (Tdec):**	2
Facility County:		**Fac Status (Tdec):**	Inactive
Region:		**CIU (Tdec):**	0
Currently in Use:		**TOU (Tdec):**	0
Perm Out of Use:	2	**POU (Tdec):**	2
Temp Out of Servic:		**Region (Tdec):**	9
Reason Red Tagged:		**Latitude (Tdec):**	35.152756
Facilit Red Tagged:	Not Red-Tagged	**Longitude (Tdec):**	-90.02458899999999
Owner ID:	308246	**X:**	-90.02458312014154
Owner Type:	Private	**Y:**	35.15274950646475
Owner Name:	Insulation And Refractories Svc		
Facility Type:	Other or Unknown		
Facility Name:	Insulation And Refractories Services		
Facility Address1:	1041 Galloway Avenue		
Facility Address2:			
Facility City:	Memphis		
Facility Zip:	38105		
Fac Name (Comparments):	Insulation And Refractories Services		
Fac Address (Comparments):	1041 Galloway Avenue		
Fac Address2 (Comparments):			
Facility City (Comparments):	Memphis		
Facility Zip (Comparments):	38105		
Fac State (Comparments):	TN		

Tank Details

Tank ID:	45985	**Owner Type:**	Private
Tank No:	1	**Owner Status:**	InActive
Date Tank Installd:	JAN-01-1900	**Owner CIU Count:**	
Emergency Gen:		**Owner POU Count:**	4
Date Tank Closed:		**Owner TOU Count:**	
How Tank Closed:	Unkown	**Owner Tank Count:**	4
Facility Count:	2		
Owner Name:	Insulation And Refractories Svc		
Tank Construction:	Steel		
Category of Construction:			

Compartment Details

Compart ID:	46699	**Date Last Used:**	DEC-15-1987
Compart Letter:	A	**Regulated Status:**	
Compt Capacity:	999999	**Small Delivery:**	
Status:	Permanently Out of Use	**Overfill Preventn:**	
Product:	Not Listed	**Date Comprt Closed:**	
Overfill Device Installed:			
Spill Device Installed:			
Piping Material:	Steel		
Piping Type:			
Pipe Construction Type:			
Pipe Construction:			
Pipe Install or Rep Date:			
Leak Detection Cat:	None		
Leak Detection Periodic:	Pipe Leak Detection Not Listed		
Comprt Release Detectn:	Tank LD Not Listed		
Compart Overall Stat:			
Overfill Installation Date:			
Spill Bucket Installation Date:			
Spill Prevention:			
Address Line 1:	1041 Galloway		
Address Line 2:			
City:	Memphis		
State:	TN		
Zip:	38105		

Tank Details

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Tank ID: 45986
Tank No: 2
Date Tank Installd: JAN-01-1900
Emergency Gen:
Date Tank Closed:
How Tank Closed: Unkown
Facility Count: 2
Owner Name: Insulation And Refractories Svc
Tank Construction: Steel
Category of Construction:

Owner Type: Private
Owner Status: InActive
Owner CIU Count:
Owner POU Count: 4
Owner TOU Count:
Owner Tank Count: 4

Compartment Details

Compart ID: 46700
Compart Letter: A
Compt Capacity: 999999
Status: Permanently Out of Use
Product: Not Listed
Overfill Device Installed:
Spill Device Installed:
Piping Material: Steel
Piping Type:
Pipe Construction Type:
Pipe Construction:
Pipe Install or Rep Date:
Leak Detection Cat: None
Leak Detection Periodic: Pipe Leak Detection Not Listed
Comprt Release Detectn: Tank LD Not Listed
Compart Overall Stat:
Overfill Installation Date:
Spill Bucket Installation Date:
Spill Prevention:
Address Line 1: 1041 Galloway
Address Line 2:
City: Memphis
State: TN
Zip: 38105

Date Last Used: DEC-15-1987
Regulated Status:
Small Delivery:
Overfill Preventn:
Date Comprt Closed:

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
5	2 of 2	NE	0.23 / 1,188.96	258.92 / -1	Insulation And Refractories Service 1041 Galloway Memphis TN 38105	UST

Facility ID: 9790418
Facility Status: InActive
Facility County:
Region:
Currently in Use:
Perm Out of Use: 2
Temp Out of Servic:
Reason Red Tagged:
Facilit Red Tagged: Not Red-Tagged
Owner ID: 308246
Owner Type: Private
Owner Name: Insulation And Refractories Svc
Facility Type: Other or Unknown
Facility Name: Insulation And Refractories Service
Facility Address1: 1041 Galloway
Facility Address2:
Facility City: Memphis
Facility Zip: 38105
Fac Name (Comparments): Insulation And Refractories Service
Fac Address (Comparments): 1041 Galloway
Fac Address2 (Comparments):
Facility City (Comparments): Memphis
Facility Zip (Comparments): 38105

Tank Count: 2
Compart Cnt (Tdec): 2
Fac Status (Tdec): Inactive
CIU (Tdec): 0
TOU (Tdec): 0
POU (Tdec): 2
Region (Tdec): 9
Latitude (Tdec): 35.152747999999995
Longitude (Tdec): -90.0246
X: -90.02459412013907
Y: 35.15274150646678

Fac State (Comparments): TN

Tank Details

Tank ID: 45988
Tank No: 2
Date Tank Installd: JUL-13-1982
Emergency Gen:
Date Tank Closed: MAR-26-1988
How Tank Closed:
Facility Count: 2
Owner Name: Insulation And Refractories Svc
Tank Construction: Steel
Category of Construction:

Owner Type: Private
Owner Status: InActive
Owner CIU Count:
Owner POU Count: 4
Owner TOU Count:
Owner Tank Count: 4

Compartment Details

Compart ID: 46702
Compart Letter: A
Compt Capacity: 2000
Status: Permanently Out of Use
Product: Not Listed
Overfill Device Installed:
Spill Device Installed:
Piping Material: Steel
Piping Type:
Pipe Construction Type:
Pipe Construction:
Pipe Install or Rep Date:
Leak Detection Cat: None
Leak Detection Periodic: Pipe Leak Detection Not Listed
Comprt Release Detectn: Tank LD Not Listed
Compart Overall Stat:
Overfill Installation Date:
Spill Bucket Installation Date:
Spill Prevention:
Address Line 1: 1041 Galloway
Address Line 2:
City: Memphis
State: TN
Zip: 38105

Date Last Used: MAR-26-1988
Regulated Status:
Small Delivery:
Overfill Preventn:
Date Comprt Closed:

Tank Details

Tank ID: 45987
Tank No: 1
Date Tank Installd: JUL-13-1982
Emergency Gen:
Date Tank Closed: MAR-26-1988
How Tank Closed:
Facility Count: 2
Owner Name: Insulation And Refractories Svc
Tank Construction: Steel
Category of Construction:

Owner Type: Private
Owner Status: InActive
Owner CIU Count:
Owner POU Count: 4
Owner TOU Count:
Owner Tank Count: 4

Compartment Details

Compart ID: 46701
Compart Letter: A
Compt Capacity: 2000
Status: Permanently Out of Use
Product: Not Listed
Overfill Device Installed:
Spill Device Installed:

Date Last Used: MAR-26-1988
Regulated Status:
Small Delivery:
Overfill Preventn:
Date Comprt Closed:

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Piping Material: Steel
Piping Type:
Pipe Construction Type:
Pipe Construction:
Pipe Install or Rep Date:
Leak Detection Cat: None
Leak Detection Periodic: Pipe Leak Detection Not Listed
Comprt Release Detectn: Tank LD Not Listed
Compart Overall Stat:
Overfill Installation Date:
Spill Bucket Installation Date:
Spill Prevention:
Address Line 1: 1041 Galloway
Address Line 2:
City: Memphis
State: TN
Zip: 38105

6	1 of 1	SSW	0.24 / 1,253.72	245.05 / -14	Hardy's Service Station 955 Poplar Memphis TN 38105	UST

Facility ID: 9790387
Facility Status: InActive
Facility County:
Region:
Currently in Use:
Perm Out of Use: 4
Temp Out of Servic:
Reason Red Tagged:
Facilit Red Tagged: Not Red-Tagged
Owner ID: 308164
Owner Type: Private
Owner Name: Dr Justin H Adler
Facility Type: Gas Station or Truck Stop
Facility Name: Hardy's Service Station
Facility Address1: 955 Poplar
Facility Address2:
Facility City: Memphis
Facility Zip: 38105
Fac Name (Comparments): Hardy's Service Station
Fac Address (Comparments): 955 Poplar
Fac Address2 (Comparments):
Facility City (Comparments): Memphis
Facility Zip (Comparments): 38105
Fac State (Comparments): TN

Tank Count: 4
Compart Cnt (Tdec): 4
Fac Status (Tdec): Inactive
CIU (Tdec): 0
TOU (Tdec): 0
POU (Tdec): 4
Region (Tdec): 9
Latitude (Tdec): 35.145086
Longitude (Tdec): -90.028695
X: -90.0286891195121
Y: 35.145079508154836

Tank Details

Tank ID: 45636
Tank No: 1
Date Tank Installd: MAY-07-1969
Emergency Gen:
Date Tank Closed: JUL-01-1988
How Tank Closed: Removed from Ground
Facility Count: 1
Owner Name: Dr Justin H Adler
Tank Construction: Steel
Category of Construction:

Owner Type: Private
Owner Status: InActive
Owner CIU Count:
Owner POU Count: 4
Owner TOU Count:
Owner Tank Count: 4

Compartment Details

Compart ID: 46350
Compart Letter: A
Compt Capacity: 10000
Status: Permanently Out of Use

Date Last Used: JUL-01-1988
Regulated Status:
Small Delivery:
Overfill Preventn:

Product: Gasoline
Date Comprt Closed:
Overfill Device Installed:
Spill Device Installed:
Piping Material: Steel
Piping Type:
Pipe Construction Type:
Pipe Construction:
Pipe Install or Rep Date:
Leak Detection Cat: None
Leak Detection Periodic: Pipe Leak Detection Not Listed
Comprt Release Detectn: Tank LD Not Listed
Compart Overall Stat:
Overfill Installation Date:
Spill Bucket Installation Date:
Spill Prevention:
Address Line 1: c/o 1203 Poplar
Address Line 2:
City: Memphis
State: TN
Zip: 38103

Tank Details

Tank ID: 45637
Tank No: 2
Date Tank Installd: MAY-07-1969
Emergency Gen:
Date Tank Closed: JUL-01-1988
How Tank Closed: Removed from Ground
Facility Count: 1
Owner Name: Dr Justin H Adler
Tank Construction: Steel
Category of Construction:
Owner Type: Private
Owner Status: InActive
Owner CIU Count:
Owner POU Count: 4
Owner TOU Count:
Owner Tank Count: 4

Compartment Details

Compart ID: 46351
Compart Letter: A
Compt Capacity: 10000
Status: Permanently Out of Use
Product: Gasoline
Overfill Device Installed:
Spill Device Installed:
Piping Material: Steel
Piping Type:
Pipe Construction Type:
Pipe Construction:
Pipe Install or Rep Date:
Leak Detection Cat: None
Leak Detection Periodic: Pipe Leak Detection Not Listed
Comprt Release Detectn: Tank LD Not Listed
Compart Overall Stat:
Overfill Installation Date:
Spill Bucket Installation Date:
Spill Prevention:
Address Line 1: c/o 1203 Poplar
Address Line 2:
City: Memphis
State: TN
Zip: 38103
Date Last Used: JUL-01-1988
Regulated Status:
Small Delivery:
Overfill Preventn:
Date Comprt Closed:

Tank Details

Tank ID: 45638
Tank No: 3
Owner Type: Private
Owner Status: InActive

Date Tank Installd: MAY-07-1969
Emergency Gen:
Date Tank Closed: JUL-01-1988
How Tank Closed: Removed from Ground
Facility Count: 1
Owner Name: Dr Justin H Adler
Tank Construction: Steel
Category of Construction:

Owner CIU Count:
Owner POU Count: 4
Owner TOU Count:
Owner Tank Count: 4

Compartment Details

Compart ID: 46352
Compart Letter: A
Compt Capacity: 6000
Status: Permanently Out of Use
Product: Gasoline
Overfill Device Installed:
Spill Device Installed:
Piping Material: Steel
Piping Type:
Pipe Construction Type:
Pipe Construction:
Pipe Install or Rep Date:
Leak Detection Cat: None
Leak Detection Periodic: Pipe Leak Detection Not Listed
Comprt Release Detectn: Tank LD Not Listed
Compart Overall Stat:
Overfill Installation Date:
Spill Bucket Installation Date:
Spill Prevention:
Address Line 1: c/o 1203 Poplar
Address Line 2:
City: Memphis
State: TN
Zip: 38103

Date Last Used: JUL-01-1988
Regulated Status:
Small Delivery:
Overfill Preventn:
Date Comprt Closed:

Tank Details

Tank ID: 45639
Tank No: 4
Date Tank Installd: MAY-07-1969
Emergency Gen:
Date Tank Closed: JUL-01-1988
How Tank Closed: Removed from Ground
Facility Count: 1
Owner Name: Dr Justin H Adler
Tank Construction: Steel
Category of Construction:

Owner Type: Private
Owner Status: InActive
Owner CIU Count:
Owner POU Count: 4
Owner TOU Count:
Owner Tank Count: 4

Compartment Details

Compart ID: 46353
Compart Letter: A
Compt Capacity: 500
Status: Permanently Out of Use
Product: Waste or Used Oil
Overfill Device Installed:
Spill Device Installed:
Piping Material: Steel
Piping Type:
Pipe Construction Type:
Pipe Construction:
Pipe Install or Rep Date:
Leak Detection Cat: None
Leak Detection Periodic: Pipe Leak Detection Not Listed

Date Last Used: JUL-01-1988
Regulated Status:
Small Delivery:
Overfill Preventn:
Date Comprt Closed:

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Comprt Release Detectn: Tank LD Not Listed
Compart Overall Stat:
Overfill Installation Date:
Spill Bucket Installation Date:
Spill Prevention:
Address Line 1: c/o 1203 Poplar
Address Line 2:
City: Memphis
State: TN
Zip: 38103

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7 | **1 of 4** | **WNW** | **0.24 / 1,281.26** | **248.17 / -11** | **Exxon/Mobile Bulk Terminal**
432 North Dunlap
Memphis TN | **LUST**

Facility ID: 9799001
Site No: 1
County: Shelby
Case Manager: JJB
Section: FO
Cause: 7 Unknown
Current Status: 8 Case Closed
Product Released:
CAC Company:
Owner Name: ExxonMobil Refining and Supply Co.
Case Description:

Discovery Date: NOV-06-1990
How Discovered: 8 Other
Contact Title:
CAC contact:
Owner Contact:

---

7 | **2 of 4** | **WNW** | **0.24 / 1,281.26** | **248.17 / -11** | **Memphis Bulk Plant**
432 North Dunlap St.
Memphis TN 38105 | **UST**

Facility ID: 9790984
Facility Status: InActive
Facility County:
Region:
Currently in Use:
Perm Out of Use: 4
Temp Out of Servic:
Reason Red Tagged:
Facilit Red Tagged: Not Red-Tagged
Owner ID: 308813
Owner Type: Private
Owner Name: Mobil Oil Corporation
Facility Type: Industrial
Facility Name: Memphis Bulk Plant
Facility Address1: 432 North Dunlap St.
Facility Address2:
Facility City: Memphis
Facility Zip: 38105
Fac Name (Comparments): Memphis Bulk Plant
Fac Address (Comparments): 432 North Dunlap St.
Fac Address2 (Comparments):
Facility City (Comparments): Memphis
Facility Zip (Comparments): 38105
Fac State (Comparments): VA

Tank Count: 4
Compart Cnt (Tdec): 4
Fac Status (Tdec): Inactive
CIU (Tdec): 0
TOU (Tdec): 0
POU (Tdec): 4
Region (Tdec): 9
Latitude (Tdec): 35.152263
Longitude (Tdec): -90.031342
X: -90.03133611830864
Y: 35.15225650686147

Tank Details

Tank ID: 48801
Tank No: 3
Date Tank Installd: MAY-01-1961
Emergency Gen:
Date Tank Closed: MAY-01-1975
How Tank Closed: Removed from Ground
Facility Count: 1

Owner Type: Private
Owner Status: InActive
Owner CIU Count:
Owner POU Count: 4
Owner TOU Count:
Owner Tank Count: 4

Owner Name: Mobil Oil Corporation
Tank Construction: Steel
Category of Construction:

Compartment Details

Compart ID: 49535
Compart Letter: A
Compt Capacity: 10000
Status: Permanently Out of Use
Product: Not Listed
Overfill Device Installed:
Spill Device Installed:
Piping Material: Hazardous Substance
Piping Type:
Pipe Construction Type:
Pipe Construction:
Pipe Install or Rep Date:
Leak Detection Cat: None
Leak Detection Periodic: Pipe Leak Detection Not Listed
Comprt Release Detectn: Tank LD Not Listed
Compart Overall Stat:
Overfill Installation Date:
Spill Bucket Installation Date:
Spill Prevention:
Address Line 1: 3225 Gallows Road
Address Line 2:
City: Fairfax
State: VA
Zip: 22037

Date Last Used: MAY-01-1975
Regulated Status:
Small Delivery:
Overfill Preventn:
Date Comprt Closed:

Tank Details

Tank ID: 48802
Tank No: 4
Date Tank Installd: MAY-01-1961
Emergency Gen:
Date Tank Closed: MAY-01-1975
How Tank Closed: Removed from Ground
Facility Count: 1
Owner Name: Mobil Oil Corporation
Tank Construction: Steel
Category of Construction:

Owner Type: Private
Owner Status: InActive
Owner CIU Count:
Owner POU Count: 4
Owner TOU Count:
Owner Tank Count: 4

Compartment Details

Compart ID: 49536
Compart Letter: A
Compt Capacity: 10000
Status: Permanently Out of Use
Product: Not Listed
Overfill Device Installed:
Spill Device Installed:
Piping Material: Hazardous Substance
Piping Type:
Pipe Construction Type:
Pipe Construction:
Pipe Install or Rep Date:
Leak Detection Cat: None
Leak Detection Periodic: Pipe Leak Detection Not Listed
Comprt Release Detectn: Tank LD Not Listed
Compart Overall Stat:
Overfill Installation Date:
Spill Bucket Installation Date:
Spill Prevention:

Date Last Used: MAY-01-1975
Regulated Status:
Small Delivery:
Overfill Preventn:
Date Comprt Closed:

Address Line 1: 3225 Gallows Road
Address Line 2:
City: Fairfax
State: VA
Zip: 22037

Tank Details

Tank ID: 48800
Tank No: 2
Date Tank Installd: MAY-01-1961
Emergency Gen:
Date Tank Closed: JUL-01-1988
How Tank Closed: Removed from Ground
Facility Count: 1
Owner Name: Mobil Oil Corporation
Tank Construction: Steel
Category of Construction:
Owner Type: Private
Owner Status: InActive
Owner CIU Count:
Owner POU Count: 4
Owner TOU Count:
Owner Tank Count: 4

Compartment Details

Compart ID: 49534
Compart Letter: A
Compt Capacity: 7500
Status: Permanently Out of Use
Product: Gasoline
Overfill Device Installed:
Spill Device Installed:
Piping Material: Hazardous Substance
Piping Type:
Pipe Construction Type:
Pipe Construction:
Pipe Install or Rep Date:
Leak Detection Cat: None
Leak Detection Periodic: Pipe Leak Detection Not Listed
Comprt Release Detectn: Tank LD Not Listed
Compart Overall Stat:
Overfill Installation Date:
Spill Bucket Installation Date:
Spill Prevention:
Address Line 1: 3225 Gallows Road
Address Line 2:
City: Fairfax
State: VA
Zip: 22037
Date Last Used: JUL-01-1988
Regulated Status:
Small Delivery:
Overfill Preventn:
Date Comprt Closed:

Tank Details

Tank ID: 48799
Tank No: 1
Date Tank Installd: MAY-01-1961
Emergency Gen:
Date Tank Closed: JUL-01-1988
How Tank Closed: Removed from Ground
Facility Count: 1
Owner Name: Mobil Oil Corporation
Tank Construction: Steel
Category of Construction:
Owner Type: Private
Owner Status: InActive
Owner CIU Count:
Owner POU Count: 4
Owner TOU Count:
Owner Tank Count: 4

Compartment Details

Compart ID: 49533
Compart Letter: A
Compt Capacity: 7500
Date Last Used: JUL-01-1988
Regulated Status:
Small Delivery:

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Status: Permanently Out of Use
Product: ULS Diesel
Overfill Device Installed:
Spill Device Installed:
Piping Material: Hazardous Substance
Piping Type:
Pipe Construction Type:
Pipe Construction:
Pipe Install or Rep Date:
Leak Detection Cat: None
Leak Detection Periodic: Pipe Leak Detection Not Listed
Comprt Release Detectn: Tank LD Not Listed
Compart Overall Stat:
Overfill Installation Date:
Spill Bucket Installation Date:
Spill Prevention:
Address Line 1: 3225 Gallows Road
Address Line 2:
City: Fairfax
State: VA
Zip: 22037
Overfill Preventn:
Date Comprt Closed:

7	3 of 4	WNW	0.24 / 1,281.26	248.17 / -11	MEMPHIS BULK PLANT 432 NORTH DUNLAP ST. MEMPHIS TN	SRP

DOR Site ID: SRS790769
Status: CLOSED
EPA Facility ID:
EPA Registry ID:
Delisted:
Promulgated Date:
DOR EFO: MEMPHIS
Program: VOLUNTARY
County: SHELBY
Latitude: 35.152193
Longitude: -90.0314
Acres:

7	4 of 4	WNW	0.24 / 1,281.26	248.17 / -11	MEMPHIS BULK PLANT 432 NORTH DUNLAP ST. MEMPHIS TN	VCP

Site ID: SRS790769
EPA Facility ID:
EPA Registry ID:
Status: CLOSED
Acres:
Program: VOLUNTARY
EFO: MEMPHIS
County: SHELBY
Latitude: 35.152193
Longitude: -90.0314

8	1 of 1	WSW	0.24 / 1,283.05	257.72 / -2	REGAL OLDSMOBILE 850 POPLAR AVE MEMPHIS TN 38104	RCRA NON GEN

EPA Handler ID: TND034748475
Gen Status Universe: No Report
Contact Name: BILL PEARSON
Contact Address: 850 POPLAR AVE , , MEMPHIS , TN, 38104 , US
Contact Phone No and Ext: 901-527-5531
Contact Email:
Contact Country: US
County Name: SHELBY
EPA Region: 04
Land Type: Other
Receive Date: 20040714
Location Latitude:
Location Longitude:

Violation/Evaluation Summary

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Note: NO VIOLATIONS: All of the compliance records associated with this facility (EPA ID) indicate NO VIOLATIONS; Compliance Monitoring and Enforcement table dated Jan, 2023.

Evaluation Details

Evaluation Start Date: 19870313
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION ON-SITE
Violation Short Description:
Return to Compliance Date:
Evaluation Agency: State

Handler Summary

Importer Activity: No
Mixed Waste Generator: No
Transporter Activity: No
Transfer Facility: No
Onsite Burner Exemption: No
Furnace Exemption: No
Underground Injection Activity: No
Commercial TSD: No
Used Oil Transporter: No
Used Oil Transfer Facility: No
Used Oil Processor: No
Used Oil Refiner: No
Used Oil Burner: No
Used Oil Market Burner: No
Used Oil Spec Marketer: No

Hazardous Waste Handler Details

Sequence No: 1
Receive Date: 19870624
Handler Name: REGAL OLDSMOBILE
Source Type: Notification
Federal Waste Generator Code: N
Generator Code Description: Not a Generator, Verified

Hazardous Waste Handler Details

Sequence No: 2
Receive Date: 20040714
Handler Name: REGAL OLDSMOBILE
Source Type: Notification
Federal Waste Generator Code: N
Generator Code Description: Not a Generator, Verified

Historical Handler Details

Receive Dt: 19870624
Generator Code Description: Not a Generator, Verified
Handler Name: REGAL OLDSMOBILE

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
9	1 of 1	NE	0.24 / 1,290.05	257.21 / -2	MITCHELL & SON INC 451 N WALDRAN MEMPHIS TN 38105	RCRA NON GEN

EPA Handler ID: TND000005884
Gen Status Universe: No Report
Contact Name: MITCHELL & SON
Contact Address: 451 N WALDRAN , , MEMPHIS , TN, 38105 , US
Contact Phone No and Ext: 615-555-1212

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Contact Email:
Contact Country: US
County Name: SHELBY
EPA Region: 04
Land Type:
Receive Date: 19801119
Location Latitude:
Location Longitude:

Violation/Evaluation Summary

Note: NO RECORDS: As of Jan 2023, there are no Compliance Monitoring and Enforcement (violation) records associated with this facility (EPA ID).

Handler Summary

Importer Activity: No
Mixed Waste Generator: No
Transporter Activity: No
Transfer Facility: No
Onsite Burner Exemption: No
Furnace Exemption: No
Underground Injection Activity: No
Commercial TSD: No
Used Oil Transporter: No
Used Oil Transfer Facility: No
Used Oil Processor: No
Used Oil Refiner: No
Used Oil Burner: No
Used Oil Market Burner: No
Used Oil Spec Marketer: No

Hazardous Waste Handler Details

Sequence No: 1
Receive Date: 19801119
Handler Name: MITCHELL & SON INC
Source Type: Notification
Federal Waste Generator Code: N
Generator Code Description: Not a Generator, Verified

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
10	1 of 4	SSW	0.25 / 1,296.20	246.32 / -13	MEMPHIS HOUSING AUTHORITY-DIXIE HOME DEV 916 POPLAR AVE MEMPHIS TN 38105	RCRA NON GEN

EPA Handler ID: TN0000033639
Gen Status Universe: No Report
Contact Name: PATRICK HORTON
Contact Address: 916 POPLAR AVE , , MEMPHIS , TN, 38105 , US
Contact Phone No and Ext: 901-544-1148
Contact Email:
Contact Country: US
County Name: SHELBY
EPA Region: 04
Land Type:
Receive Date: 19990226
Location Latitude:
Location Longitude:

Violation/Evaluation Summary

Note: NO VIOLATIONS: All of the compliance records associated with this facility (EPA ID) indicate NO VIOLATIONS; Compliance Monitoring and Enforcement table dated Jan, 2023.

Evaluation Details

Evaluation Start Date:	19941214
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Violation Short Description:	
Return to Compliance Date:	
Evaluation Agency:	State

Handler Summary

Importer Activity:	No
Mixed Waste Generator:	No
Transporter Activity:	No
Transfer Facility:	No
Onsite Burner Exemption:	No
Furnace Exemption:	No
Underground Injection Activity:	No
Commercial TSD:	No
Used Oil Transporter:	No
Used Oil Transfer Facility:	No
Used Oil Processor:	No
Used Oil Refiner:	No
Used Oil Burner:	No
Used Oil Market Burner:	No
Used Oil Spec Marketer:	No

Hazardous Waste Handler Details

Sequence No:	1
Receive Date:	19990226
Handler Name:	MEMPHIS HOUSING AUTHORITY-DIXIE HOME DEV
Source Type:	Notification
Federal Waste Generator Code:	N
Generator Code Description:	Not a Generator, Verified

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10 ***2 of 4*** ***SSW*** ***0.25 / 1,296.20*** ***246.32 / -13*** ***DIXIE HOMES 916 POPLAR AVENUE MEMPHIS TN*** ***VCP***

Site ID:	79846	***Program:***	VOLUNTARY
EPA Facility ID:		***EFO:***	MEMPHIS
EPA Registry ID:		***County:***	SHELBY
Status:	OPEN	***Latitude:***	35.147476
Acres:	8.45	***Longitude:***	-90.028673

---

10 ***3 of 4*** ***SSW*** ***0.25 / 1,296.20*** ***246.32 / -13*** ***DIXIE HOMES 916 POPLAR AVENUE MEMPHIS TN*** ***INST***

DOR Site ID:	79846	***County:***	SHELBY
Site Status:	OPEN	***Site Latitude:***	35.147476
Total Site Acreage:	8.45	***Site Longitude:***	-90.028673
Tdec Field Office:	MEMPHIS		

Detail(s)

Date Control Recorded:	NOV-03-2009	***Control Acreage:***	2.11
Date Control Removed:		***Deed Book:***	08115216
Control Type:	INSTITUTIONAL	***Map:***	051017

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Control Description: LAND USE RESTRICTION
Control Latitude: 35.147
Control Longitude: -90.028
Page No:
Parcel: 2-7, 12

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10 | **4 of 4** | **SSW** | **0.25 / 1,296.20** | **246.32 / -13** | **DIXIE HOMES**
916 POPLAR AVENUE
MEMPHIS TN | **REMEDIATION**

DOR Site ID: 79846
Status: OPEN
EPA Facility ID:
EPA Registry ID:
Delisted:
Promulgated Date:
DOR EFO: MEMPHIS
Program: VOLUNTARY
County: SHELBY
Latitude: 35.147476
Longitude: -90.028673
Acres: 8.45

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11 | **1 of 2** | **SSW** | **0.26 / 1,352.09** | **247.33 / -12** | **CHURCH'S FRIED CHICKEN**
925 POPLAR AVENUE
MEMPHIS TN | **SRP**

DOR Site ID: SRS790379
Status: CLOSED
EPA Facility ID:
EPA Registry ID:
Delisted:
Promulgated Date:
DOR EFO: MEMPHIS
Program: VOLUNTARY
County: SHELBY
Latitude: 35.144968
Longitude: -90.029459
Acres:

---

11 | **2 of 2** | **SSW** | **0.26 / 1,352.09** | **247.33 / -12** | **CHURCH'S FRIED CHICKEN**
925 POPLAR AVENUE
MEMPHIS TN | **VCP**

Site ID: SRS790379
EPA Facility ID:
EPA Registry ID:
Status: CLOSED
Acres:
Program: VOLUNTARY
EFO: MEMPHIS
County: SHELBY
Latitude: 35.144968
Longitude: -90.029459

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12 | **1 of 1** | **NE** | **0.26 / 1,352.77** | **252.85 / -7** | **DIXIE MANUFACTURING COMPANY**

MEMPHIS TN | **PFAS IND**

Status: Inactive
Industry: Cleaning Product Mfg
Compliance Status: No Violation Identified
EPA Programs: RCRA
Federal Facility: No
Federal Agency: -
Fac Snc Flg: N
AIR Flag: N
NPDES Flag: N
SDWIS Flag: N
RCRAFlag: Y
TRI Flag: N
GHG Flag: N
TRI IDs: -
TRI Releases Trnsfrs: -
TRI on Site Releases: -
TRI off Site Trnsfrs: -
TRI Reporter: -
Fac Imp Water Flg: -
Fac Major Flag: -
Fac Active Flag: -
Fac Inspection Count: 0
Fac Fips Code: 47157
Fac Indian Cntry Flg: N
Fac Derived Huc: 08010210
Fac Derived Wbd: 080102100308
Fac Derived Cd113: 09
Fac Derived Cb2010: 471570024001032
Fac Informal Count: 0
Last Informal Action: -
Formal Action Count: 0
Last Formal Action: -
Fac Total Penalties: 0
Fac Penalty Count: -
Date Last Penalty: -
Last Penalty Amt: -
Fac Qtrs With Nc: 0
Programs With Snc: 0
Fac Percent Minority: 66.896
Fac Pop Den: 3612.37
Count: 1
Fac County: SHELBY
State Other :
Region: 04

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Date Last Inspection:	-	**Latitude:**	35.15275
Days Last Inspection:	-	**Longitude:**	-90.02371
Fac Derived Tribes:	-		
AIR IDs:	-		
CAA Permit Types:	-		
CAA NAICS:	-		
CAA SICS:	-		
NPDES IDs:	-		
CWA Permit Types:	-		
CWA NAICS:	-		
CWA SICS:	-		
RCRA IDs:	TND042113985		
RCRA Permit Types:	Other		
RCRA NAICS:	325612 42185		
SDWA IDs:	-		
SDWA System Types:	-		
SDWA Compliance Status:	-		
SDWA Snc Flag:	N		
Fac Collection Meth:	ADDRESS MATCHING-HOUSE NUMBER		
EJSCREEN Flag Us:	Y		
EJSCREEN Report:	https://ejscreen.epa.gov/mapper/mobile/EJSCREEN_mobile.aspx?geometry=%7B%22x%22:-90.02371,%22y%22:35.15275,%22spatialReference%22:%7B%22wkid%22:4326%7D%7D&unit=9035&areatype=&areaid=&basemap=streets&distance=1		
ECHO Facility Report:	https://echo.epa.gov/detailed-facility-report?fid=110011792300		

13	1 of 3	WNW	0.27 / 1,418.86	246.68 / -13	SOUTHERN STEEL 431 DUNLAP MEMPHIS TN	INST

DOR Site ID:	SRS791072	**County:**	SHELBY
Site Status:	CLOSED	**Site Latitude:**	35.152251
Total Site Acreage:	4.08	**Site Longitude:**	-90.031523
Tdec Field Office:	MEMPHIS		

Detail(s)

Date Control Recorded:	APR-02-2009	**Control Acreage:**	4.08
Date Control Removed:		**Deed Book:**	051009 00001C
Control Type:	INSTITUTIONAL	**Map:**	
Control Description:	LAND USE RESTRICTION	**Page No:**	
Control Latitude:	35.153	**Parcel:**	
Control Longitude:	-90.033		

13	2 of 3	WNW	0.27 / 1,418.86	246.68 / -13	SOUTHERN STEEL 431 DUNLAP MEMPHIS TN	SRP

DOR Site ID:	SRS791072	**DOR EFO:**	MEMPHIS
Status:	CLOSED	**Program:**	VOLUNTARY
EPA Facility ID:		**County:**	SHELBY
EPA Registry ID:		**Latitude:**	35.152251
Delisted:		**Longitude:**	-90.031523
Promulgated Date:		**Acres:**	4.08

13	3 of 3	WNW	0.27 / 1,418.86	246.68 / -13	SOUTHERN STEEL 431 DUNLAP MEMPHIS TN	VCP

Site ID:	SRS791072	**Program:**	VOLUNTARY
EPA Facility ID:		**EFO:**	MEMPHIS
EPA Registry ID:		**County:**	SHELBY

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Status: CLOSED
Acres: 4.08
Latitude: 35.152251
Longitude: -90.031523

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14 *1 of 2* **SW** *0.31 / 1,626.09* *256.43 / -3* ***MEMPHIS MENTAL HEALTH INSTITUTE*** ***865 POPLAR AVENUE*** ***MEMPHIS TN*** **SRP**

DOR Site ID: SRS791119
Status: CLOSED
EPA Facility ID:
EPA Registry ID:
Delisted:
Promulgated Date:
DOR EFO: MEMPHIS
Program: VOLUNTARY
County: SHELBY
Latitude: 35.144722
Longitude: -90.031389
Acres:

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14 *2 of 2* **SW** *0.31 / 1,626.09* *256.43 / -3* ***MEMPHIS MENTAL HEALTH INSTITUTE*** ***865 POPLAR AVENUE*** ***MEMPHIS TN*** **VCP**

Site ID: SRS791119
EPA Facility ID:
EPA Registry ID:
Status: CLOSED
Acres:
Program: VOLUNTARY
EFO: MEMPHIS
County: SHELBY
Latitude: 35.144722
Longitude: -90.031389

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15 *1 of 5* **WSW** *0.38 / 2,008.91* *264.41 / 5* ***BP STATION #767*** ***821 POPLAR AVE*** ***Memphis TN 38105*** **LUST TRUST**

Facility ID: 9791083
Case No: 1
Applic No: 94236
Owner ID: 349647
Facility Owner: Orion Federal Credit Union
Status: Closed
Paid Requested: $1,144,109.35
Paid Net Not Negotiable: $131,919.52
Paid Net Pay: $1,011,983.58
Paid Deductible: $20,000.00
Paid Payment: $991,983.57
Applied Requested:
Applied Not Negotiable:
Applied Net Pay:
Applied Deductible:
Applied Payment:

---

15 *2 of 5* **WSW** *0.38 / 2,008.91* *264.41 / 5* ***AMOCO STATION #767*** ***821 POPLAR AVENUE*** ***Memphis TN 38105*** **LUST**

Facility ID: 9791083
Site No: 1
County: Shelby
Case Manager: Roshanda Forsythe
Section: FO
Cause: 7 Unknown
Current Status: 8 Case Closed
Product Released:
CAC Company: CMD ASSOCIATES, INC.
Owner Name: BP Products North America
Case Description: SSS ON HOLD ECOVAC
Discovery Date: DEC-06-1991
How Discovered:
Contact Title:
CAC contact:
Owner Contact: Jim Smith

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
15	3 of 5	WSW	0.38 / 2,008.91	264.41 / 5	BP/AMOCO #18440 821 Poplar Avenue Memphis TN 38105	LUST

Facility ID: 9791083
Site No: 2
County: Shelby
Case Manager: Randy Mann
Section: FO
Cause:
Current Status: 8 Case Closed
Product Released:
CAC Company:
Owner Name: Georgia Commercial Stores, Inc.
Case Description: Suspected release

Discovery Date:
How Discovered: 2 Release Detection
Contact Title:
CAC contact:
Owner Contact: Ramzan Karimi

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
15	4 of 5	WSW	0.38 / 2,008.91	264.41 / 5	Poplar Avenue BP 821 Poplar Avenue Memphis TN 38105	LUST

Facility ID: 9791083
Site No: 3
County: Shelby
Case Manager: Roshanda Forsythe
Section: FO
Cause:
Current Status: 1d Completed Line Closure
Product Released:
CAC Company:
Owner Name:
Case Description:

Discovery Date:
How Discovered:
Contact Title:
CAC contact:
Owner Contact:

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
15	5 of 5	WSW	0.38 / 2,008.91	264.41 / 5	Poplar Avenue BP 821 Poplar Avenue Memphis TN 38105	LUST

Facility ID: 9791083
Site No: 4
County: Shelby
Case Manager: Roshanda Forsythe
Section: FO
Cause:
Current Status: 1a Completed Tank Closure
Product Released:
CAC Company: SCS Environemtal Group, LLC
Owner Name:
Case Description: Tanks removal

Discovery Date:
How Discovered:
Contact Title: Ms.
CAC contact: Shawn Pool
Owner Contact:

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
16	1 of 2	SSE	0.42 / 2,227.26	266.30 / 7	VA MEDICAL CENTER 1030 JEFFERSON AVENUE Memphis TN 38104	LUST

Facility ID: 790807
Site No: 1
County: Shelby
Case Manager: David Groce
Section: FO
Cause:
Current Status: 1a Completed Tank Closure
Product Released:
CAC Company:

Discovery Date:
How Discovered:
Contact Title:
CAC contact:
Owner Contact:

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
Owner Name:	VA MEDICAL CENTER					
Case Description:						

16	2 of 2	SSE	0.42 / 2,227.26	266.30 / 7	VA MEDICAL CENTER 1030 JEFFERSON AVENUE MEMPHIS TN 38104	SEMS

EPA ID:	TNN000410932	**Pgm Sys ID:**	TNN000410932
Primary Name(MAP):	VETERANS AFFAIRS MEDICAL CENTER	**Loc Address(MAP):**	1030 JEFFERSON AVE
City Name:	MEMPHIS	**Postal Code:**	38104
Site Name:	VA MEDICAL CENTER	**County Name:**	SHELBY
Street Address:	1030 JEFFERSON AVENUE	**Latitude83:**	35.14246
Street Address 2:		**Longitude83:**	-90.0254
City:	MEMPHIS	**PGM SYS ID(CalOES):**	TNN000410932
State:	TN	**Name(CalOES):**	VETERANS AFFAIRS MEDICAL CENTER
Zip:	38104	**Loc Addr(CalOES):**	1030 JEFFERSON AVE
County:	SHELBY	**City(CalOES):**	MEMPHIS
Latitude:	35.145034	**Postal(CalOES):**	38104
Longitude:	-90.043704	**County(CalOES):**	SHELBY
Latitude83(CalOES):	35.14246	**Longitude83(CalOES):**	-90.0254
Data Source:	EPA Superfund Data and Reports Active Site Inventory (List 8R Active);EPA FRS Interests Map - SEMS;CalOES EPA RCRA TSDF Map - SEMS		

Site Level Information

Site ID:	0410932	**Superfund Alt Agmt:**	No
NPL:	Not on the NPL	**FIPS Code:**	47157
Federal Facility:	Yes	**Cong District:**	
FF Docket:	Yes	**Region:**	04
Non NPL Status:	Fed Fac Preliminary Assessment Review Start Needed		

Action Information

Operable Units:	00	**Start Actual:**	01/31/2013
Action Code:	DS	**Finish Actual:**	01/31/2013
Action Name:	DISCVRY	**Qual:**	
SEQ:	1	**Curr Action Lead:**	EPA Perf In-Hse

REST Information

Registry ID:	110009445948	**Pgm Sys Acrnm:**	SEMS
Active Status:	NOT ON THE NPL	**Accuracy Value:**	30
Key Field:	SEMSTNN000410932	**HUC8 Code:**	08010210
Interest Type:	SUPERFUND (NON-NPL)	**HUC 12:**	
Fed Agency Name:		**Federal Land Ind:**	
Fed Facility Code:		**Public Ind:**	Y
EPA Region Code:	04	**Pgm Report:**	no data yet
Collect Mth Desc:	ADDRESS MATCHING-HOUSE NUMBER		
Ref Point Desc:	CENTER OF A FACILITY OR STATION		
Fac Url:	https://ofmpub.epa.gov/frs_public2/fii_query_detail.disp_program_facility?p_registry_id=110009445948		
Program Url:			
Pgm Report Url:	no data yet		
Fips Code:	47157		

CalOES EPA RCRA TSDF - SEMS

Registry ID:	110009445948	**HUC 12:**	
Interest Ttpe:	SUPERFUND (NON-NPL)	**Collect Method:**	ADDRESS MATCHING-HOUSE NUMBER
Active Status:	NOT ON THE NPL	**Accuracy Value:**	30
Pgm Sys Acrnm:	SEMS	**Ref Point Desc:**	CENTER OF A FACILITY OR STATION
Federal Ag:		**EPA Region:**	04
Federal La:		**Key Field:**	SEMSTNN000410932

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Fed Facility Cd:		**Create Dt:**	2021/10/26 00:00:00+00
Public Ind:	Y	**Update Dt:**	2021/11/24 13:48:56+00
FIPS Code:	47157	**Last Reported Dt:**	
HUC8 Code:	08010210		
Pgm Report:	no data yet		
Program Url:			
Fac Url:	https://ofmpub.epa.gov/frs_public2/fii_query_detail.disp_program_facility?p_registry_id=110009445948		

17	1 of 1	NNE	0.43 / 2,285.02	257.28 / -2	AIR MASK SERVICE UNIT 1010 FOXON Memphis TN 38105	LUST

Facility ID:	9791109	**Discovery Date:**	
Site No:	1	**How Discovered:**	
County:	Shelby	**Contact Title:**	
Case Manager:	Chuck Nance	**CAC contact:**	
Section:	FO	**Owner Contact:**	
Cause:			
Current Status:	1a Completed Tank Closure		
Product Released:			
CAC Company:			
Owner Name:	CITY OF MEMPHIS/PROP		
Case Description:			

18	1 of 7	WSW	0.44 / 2,311.93	268.04 / 9	EXTRA EXPRESS MARKET 777 POPLAR AVE Memphis TN 38105	LUST TRUST

Facility ID:	9791539
Case No:	3
Applic No:	11041
Owner ID:	331874
Facility Owner:	Samuel, Semert and Tsegay Haile
Status:	Closed
Paid Requested:	$367,296.85
Paid Net Not Negotiable:	$2,217.61
Paid Net Pay:	$365,079.24
Paid Deductible:	$17,592.40
Paid Payment:	$347,486.84
Applied Requested:	
Applied Not Negotiable:	
Applied Net Pay:	
Applied Deductible:	
Applied Payment:	

18	2 of 7	WSW	0.44 / 2,311.93	268.04 / 9	7-ELEVEN #25559 777 POPLAR AVE Memphis TN	LUST TRUST

Facility ID:	9791539
Case No:	1
Applic No:	93174
Owner ID:	331874
Facility Owner:	Samuel, Semert and Tsegay Haile
Status:	Closed
Paid Requested:	$292,969.14
Paid Net Not Negotiable:	$55,719.43
Paid Net Pay:	$237,249.71
Paid Deductible:	$50,000.00
Paid Payment:	$187,249.71
Applied Requested:	
Applied Not Negotiable:	
Applied Net Pay:	
Applied Deductible:	

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Applied Payment:

---

18 | **3 of 7** | **WSW** | **0.44 / 2,311.93** | **268.04 / 9** | **FLASH MARKET #72**
777 POPLAR AVENUE
Memphis TN | **LUST TRUST**

Facility ID: 9791539
Case No: 2
Applic No: 98178
Owner ID: 331874
Facility Owner: Samuel, Semert and Tsegay Haile
Status: Closed
Paid Requested: $202,521.40
Paid Net Not Negotiable: $6,438.46
Paid Net Pay: $196,082.94
Paid Deductible: $20,000.00
Paid Payment: $176,082.98
Applied Requested:
Applied Not Negotiable:
Applied Net Pay:
Applied Deductible:
Applied Payment:

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18 | **4 of 7** | **WSW** | **0.44 / 2,311.93** | **268.04 / 9** | **FLASH OIL CO #72**
777 POPLAR AVE
Memphis TN 38104 | **LUST**

Facility ID: 9791539
Site No: 1
County: Shelby
Case Manager: Alison Dunehew
Section: FO
Cause: 7 Unknown
Current Status: 8 Case Closed
Product Released:
CAC Company: Groundwater Technology, Inc.
Owner Name: LOEB BROTHERS REALTY
Case Description: See case # 2
ACTIVE-FORMER 7-ELEVEN

Discovery Date: AUG-10-1989
How Discovered: 7 Environmental Audit
Contact Title:
CAC contact:
Owner Contact:

---

18 | **5 of 7** | **WSW** | **0.44 / 2,311.93** | **268.04 / 9** | **FLASH OIL CO #72**
777 POPLAR AVE
Memphis TN 38104 | **LUST**

Facility ID: 9791539
Site No: 2
County: Shelby
Case Manager: Alison Dunehew
Section: FO
Cause: 5 Pipe Failure
Current Status: 8 Case Closed
Product Released:
CAC Company:
Owner Name: LOEB BROTHERS REALTY
Case Description: Former 7-eleven

Discovery Date: MAY-30-1997
How Discovered: 3 On-site Impact
Contact Title:
CAC contact:
Owner Contact:

---

18 | **6 of 7** | **WSW** | **0.44 / 2,311.93** | **268.04 / 9** | **FORMER EXTRA EXPRESS MART**
777 Poplar Avenue
Memphis TN 38104 | **DELISTED LST**

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Delisted Leaking Storage Tanks

Facility ID:	9791539	**County:**	Shelby
Applic No 1:		**Facility Owner:**	
Case No:		**Owner ID:**	
Site No:	4	**Owner Name:**	Flash Oil Company of Arkansas
Status:		**Owner Addr 1:**	
Cause:	-	**Owner Addr 2:**	
Discovery Date:	-	**Owner City:**	
How Discovered:		**Owner State:**	
Priority:		**Owner Zip:**	
Product Released:	-	**Owner Phone:**	
Case Manager:		**Contact:**	
Section:		**Contact Title:**	
Paid Requested:		**Contact Addr 1:**	
Pay Not Negotiable:		**Contact Addr 2:**	
Paid Net Pay:		**Contact City:**	
Paid Deductable:		**Contact State:**	
Paid Payment:		**Contact Zip:**	
Applied Requested:		**Contact Phone:**	
App Not Negotiable:		**Type:**	
Applied Net Pay:		**Type CAC:**	
Appl Deductable:		**CAC Company:**	-
Applied Payment:		**CAC Contact:**	
Case Description:	-		
Original Source:	LUST		
Record Date:	07-NOV-2017		

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
18	7 of 7	WSW	0.44 / 2,311.93	268.04 / 9	EXTRA SEVEN ELEVEN, INC. 777 Poplar Avenue Memphis TN 38104	LUST

Facility ID:	9791539	**Discovery Date:**	MAY-04-2011
Site No:	3	**How Discovered:**	8 Other
County:	Shelby	**Contact Title:**	
Case Manager:	Karim Bouzeid	**CAC contact:**	Steve Murphy
Section:	FO	**Owner Contact:**	
Cause:			
Current Status:	8 Case Closed		
Product Released:	Gasoline		
CAC Company:	SEMS, Inc.		
Owner Name:			
Case Description:	dispenser replacement		

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
19	1 of 1	SW	0.46 / 2,444.27	264.55 / 5	THE MED ADAM'S BUILDING 842 JEFFERSON AVENUE Memphis TN 38103	LUST

Facility ID:	9792354	**Discovery Date:**	NOV-01-1999
Site No:	1	**How Discovered:**	1 At Closure
County:	Shelby	**Contact Title:**	
Case Manager:	Jeff Phillips	**CAC contact:**	
Section:	FO	**Owner Contact:**	
Cause:	8 Other		
Current Status:	8 Case Closed		
Product Released:			
CAC Company:			
Owner Name:	REGIONAL MEDICAL CENTER MEMPHIS		
Case Description:	Tank Closure		

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
20	1 of 4	WSW	0.47 / 2,490.79	270.46 / 11	AUTO-CHLOR, INC. 746 POPLAR AVENUE MEMPHIS TN	SRP

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

DOR Site ID: SRS791083
Status: CLOSED
EPA Facility ID: TNR000025551
EPA Registry ID: 110033623238
Delisted:
Promulgated Date:
DOR EFO: MEMPHIS
Program: VOLUNTARY
County: SHELBY
Latitude: 35.146514
Longitude: -90.03565
Acres: 4.23

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20 | **2 of 4** | **WSW** | **0.47 / 2,490.79** | **270.46 / 11** | **AUTO CLOR SYSTEM**
746 POPLAR AVE
Memphis TN 38105 | **LUST**

Facility ID: 9790057
Site No: 1
County: Shelby
Case Manager: David Groce
Section: FO
Cause:
Current Status: 1a Completed Tank Closure
Product Released:
CAC Company:
Owner Name: AUTO CHLOR SYSTEM
Case Description: closed
Discovery Date:
How Discovered:
Contact Title:
CAC contact:
Owner Contact:

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20 | **3 of 4** | **WSW** | **0.47 / 2,490.79** | **270.46 / 11** | **AUTO-CHLOR**
746 POPLAR AVENUE
MEMPHIS TN | **VCP**

Site ID: 79774
EPA Facility ID: TNR000025551
EPA Registry ID: 110033623238
Status: CLOSED
Acres: 4.23
Program: VOLUNTARY
EFO: CENTRAL OFFICE
County: SHELBY
Latitude: 35.146514
Longitude: -90.03565

---

20 | **4 of 4** | **WSW** | **0.47 / 2,490.79** | **270.46 / 11** | **AUTO-CHLOR, INC.**
746 POPLAR AVENUE
MEMPHIS TN | **VCP**

Site ID: SRS791083
EPA Facility ID: TNR000025551
EPA Registry ID: 110033623238
Status: CLOSED
Acres: 4.23
Program: VOLUNTARY
EFO: MEMPHIS
County: SHELBY
Latitude: 35.146514
Longitude: -90.03565

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21 | **1 of 1** | **SW** | **0.48 / 2,529.29** | **275.16 / 16** | **Le Bonhuer Faculty Office Building**
824 Adams St.
Memphis TN | **LUST**

Facility ID: 9799039
Site No: 1
County: Shelby
Case Manager: Jarrod Slaughter
Section: FO
Cause:
Current Status: 1a Completed Tank Closure
Product Released:
CAC Company:
Owner Name:
Case Description: Case Closed
Discovery Date:
How Discovered: 7 Environmental Audit
Contact Title:
CAC contact:
Owner Contact:

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
22	1 of 1	SSW	0.49 / 2,566.25	249.45 / -10	UTHSC Medical Center Emergency Generator Building 956 Court Ave Memphis TN 38103-2814	LUST

Facility ID:	792203	**Discovery Date:**	
Site No:	1	**How Discovered:**	
County:	Shelby	**Contact Title:**	
Case Manager:	Susan Watts	**CAC contact:**	Wesley Goodnight
Section:	FO	**Owner Contact:**	
Cause:			
Current Status:	1a Completed Tank Closure		
Product Released:			
CAC Company:	Ensafe, Inc.		
Owner Name:			
Case Description:			

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
23	1 of 1	WSW	0.49 / 2,566.27	271.08 / 12	AUTO-CHLOR SYSTEM MEMPHIS TN	PFAS IND

Status:	Inactive	**Fac Fips Code:**	47157
Industry:	Metal Machinery Mfg	**Fac Indian Cntry Flg:**	N
Compliance Status:	No Violation Identified	**Fac Derived Huc:**	08010210
EPA Programs:	RCRA	**Fac Derived Wbd:**	080101000703
Federal Facility:	No	**Fac Derived Cd113:**	09
Federal Agency:	-	**Fac Derived Cb2010:**	471570113001094
Fac Snc Flg:	N	**Fac Informal Count:**	0
AIR Flag:	N	**Last Informal Action:**	-
NPDES Flag:	N	**Formal Action Count:**	0
SDWIS Flag:	N	**Last Formal Action:**	-
RCRAFlag:	Y	**Fac Total Penalties:**	0
TRI Flag:	N	**Fac Penalty Count:**	-
GHG Flag:	N	**Date Last Penalty:**	-
TRI IDs:	-	**Last Penalty Amt:**	-
TRI Releases Trnsfrs:	-	**Fac Qtrs With Nc:**	0
TRI on Site Releases:	-	**Programs With Snc:**	0
TRI off Site Trnsfrs:	-	**Fac Percent Minority:**	68.043
TRI Reporter:	-	**Fac Pop Den:**	3436.47
Fac Imp Water Flg:	-	**Count:**	1
Fac Major Flag:	-	**Fac County:**	SHELBY
Fac Active Flag:	-	**State Other :**	
Fac Inspection Count:	0	**Region:**	04
Date Last Inspection:	-	**Latitude:**	35.146135
Days Last Inspection:	-	**Longitude:**	-90.035685
Fac Derived Tribes:	-		
AIR IDs:	-		
CAA Permit Types:	-		
CAA NAICS:	-		
CAA SICS:	-		
NPDES IDs:	-		
CWA Permit Types:	-		
CWA NAICS:	-		
CWA SICS:	-		
RCRA IDs:	TND007019482		
RCRA Permit Types:	Other		
RCRA NAICS:	332999		
SDWA IDs:	-		
SDWA System Types:	-		
SDWA Compliance Status:	-		
SDWA Snc Flag:	N		
Fac Collection Meth:	ADDRESS MATCHING-HOUSE NUMBER		
EJSCREEN Flag Us:	Y		
EJSCREEN Report:	https://ejscreen.epa.gov/mapper/mobile/EJSCREEN_mobile.aspx?geometry=%7B%22x%22:-90.035685,%22y%22:35.146135,%22spatialReference%22:%7B%22wkid%22:4326%7D%7D&unit=9035&areatype=&areaid=&basemap=streets&distance=1		
ECHO Facility Report:	https://echo.epa.gov/detailed-facility-report?fid=110013323607		

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Unplottable Summary

Total: 6 Unplottable sites

DB	Company Name/Site Name	Address	City	Zip	ERIS ID
CERCLIS	WEAKLEY SUBDIVISION	NORTH END OF DECATUR ST ***Site EPA ID:*** TND980838585	MEMPHIS TN	38107	805435076
CERCLIS NFRAP	WEAKLEY SUBDIVISION	NORTH END OF DECATUR ST ***Site EPA ID:*** TND980838585	MEMPHIS TN	38107	805470651
LUST TRUST	EXXON #5-4230	AIRLINE RD & I-40 EAST ***Facility ID	Status:*** 9791301 | Closed	Memphis TN		818986653
REMEDIATION	EPIC SITE-17 WEAKLEY SUB.	DECATUR ST	MEMPHIS TN		874036972
SEMS ARCHIVE	WEAKLEY SUBDIVISION	NORTH END OF DECATUR ST ***EPA ID:*** TND980838585	MEMPHIS TN	38107	828880524
SPILLS		I-40 west mm 6 ***Incident NO	Date Closed:*** IR2014-5955 | 07-Jan-14	MEMPHIS TN		818996635

Unplottable Report

Site: ***WEAKLEY SUBDIVISION***
NORTH END OF DECATUR ST MEMPHIS TN 38107

CERCLIS

Site ID:	0404016	***RNPL Status Code:***	N
Site EPA ID:	TND980838585	***NPL Status:***	Not on the NPL
Site Street Address 2:		***RFED Facility Code:***	N
Site County Name:	SHELBY	***RFED Facility Desc:***	Not a Federal Facility
Site FIPS Code:	47157	***USGS Hydro Unit No.:***	08010210
Region Code:	04	***Site Cong. Dist. Code:***	09
Site SMSA No.:	4920	***ROT Desc:***	Other
Site Prim. Latitude:	35D08M23S	***FR NPL Update No.:***	
Site Prim. Longitude:	090D01M27S	***RFRA Code:***	
Lat Long Source:			

RNON NPL Status Desc: NFRAP-Site does not qualify for the NPL based on existing information

CERCLIS Assess History

OU ID:	00	***RALT Short Name:***	State (Fund)
Act Code ID:	001	***Act Start Date:***	
RAT Code:	PA	***Act Complete Date:***	8/27/1986 00:00:00
RAT Short Name:	PA	***AGT Order No.:***	130
RAT Name:	PRELIMINARY ASSESSMENT	***SH OU:***	
RAT Hist. Only Flag:		***SH Code:***	
RAT NSI Indicator:	B	***SH Seq:***	
RAT Level:	1	***SH Start Date:***	
RAT DEF OU:	00	***SH Complete Date:***	
RFBS Code:	P	***SH Lead:***	
SPA Code:	13		

RAT Def: Collection of diverse existing information about the source and nature of the site hazard. It is EPA policy to complete the preliminary assessment within one year of site discovery.

Site Desc:
Site Alias:

CERCLIS Assess History

OU ID:	00	***RALT Short Name:***	EPA Fund
Act Code ID:	001	***Act Start Date:***	
RAT Code:	DS	***Act Complete Date:***	12/1/1979 00:00:00
RAT Short Name:	DISCVRY	***AGT Order No.:***	10
RAT Name:	DISCOVERY	***SH OU:***	
RAT Hist. Only Flag:		***SH Code:***	
RAT NSI Indicator:	B	***SH Seq:***	
RAT Level:	1	***SH Start Date:***	
RAT DEF OU:	00	***SH Complete Date:***	
RFBS Code:		***SH Lead:***	
SPA Code:	13		

RAT Def: The process by which a potential hazardous waste site is brought to the attention of the EPA. The process can occur through the use of several mechanisms such as a phone call or referral by another government agency.

Site Desc:
Site Alias:

CERCLIS Assess History

OU ID:	00	***RALT Short Name:***	EPA In-House
Act Code ID:	001	***Act Start Date:***	
RAT Code:	VS	***Act Complete Date:***	8/27/1986 00:00:00
RAT Short Name:	ARCH SITE	***AGT Order No.:***	1500
RAT Name:	ARCHIVE SITE	***SH OU:***	
RAT Hist. Only Flag:		***SH Code:***	

RAT NSI Indicator:	B	***SH Seq:***	
RAT Level:	1	***SH Start Date:***	
RAT DEF OU:	00	***SH Complete Date:***	
RFBS Code:		***SH Lead:***	
SPA Code:	13		
RAT Def:	The decision is made that no further activity is planned at the site.		
Site Desc:			
Site Alias:			

CERCLIS Assess History

OU ID:	00	***RALT Short Name:***	
Act Code ID:		***Act Start Date:***	
RAT Code:		***Act Complete Date:***	
RAT Short Name:		***AGT Order No.:***	0
RAT Name:		***SH OU:***	
RAT Hist. Only Flag:		***SH Code:***	
RAT NSI Indicator:		***SH Seq:***	
RAT Level:		***SH Start Date:***	
RAT DEF OU:		***SH Complete Date:***	
RFBS Code:		***SH Lead:***	
SPA Code:			
RAT Def:			
Site Desc:	No description available .		
Site Alias:	WEAKLEY SUBDIVISION,,SHELBY,TN,;		

Site: ***WEAKLEY SUBDIVISION***
NORTH END OF DECATUR ST MEMPHIS TN 38107

CERCLIS NFRAP

Site ID:	404016	***Site FIPS Code:***	47157
Site EPA ID:	TND980838585	***Region Code:***	4
Site Parent ID:		***Site Cong. Dist. Code:***	9
Site County Name:	SHELBY	***Federal Facility:***	
Parent Site Name:			

CERCLIS-NFRAP Assess History

OU ID:	0	***Act Start Date:***	
Act Code ID:	1	***Act Complete Date:***	8/27/1986
RAT Code:	VS	***AGT Order No.:***	1500
RAT Short Name:	ARCH SITE	***SH OU:***	
RAT Name:	ARCHIVE SITE	***SH Code:***	
RAT Hist. Only Flag:		***SH Seq:***	
RAT NSI Indicator:	B	***SH Start Date:***	
RAT Level:	1	***SH Complete Date:***	
RAT DEF OU:	00	***SH Lead:***	
RFBS Code:		***SH Qual:***	
SPA Code:	13	***RAQ Act. Qual Short:***	
RALT Short Name:	EPA In-House	***RNPL Status Code:***	N
RAT Def:	The decision is made that no further activity is planned at the site.		
RNON NPL Status Desc:	NFRAP-Site does not qualify for the NPL based on existing information		

CERCLIS-NFRAP Assess History

OU ID:	0	***Act Start Date:***	
Act Code ID:	1	***Act Complete Date:***	12/1/1979
RAT Code:	DS	***AGT Order No.:***	10
RAT Short Name:	DISCVRY	***SH OU:***	
RAT Name:	DISCOVERY	***SH Code:***	
RAT Hist. Only Flag:		***SH Seq:***	
RAT NSI Indicator:	B	***SH Start Date:***	
RAT Level:	1	***SH Complete Date:***	
RAT DEF OU:	00	***SH Lead:***	
RFBS Code:		***SH Qual:***	
SPA Code:	13	***RAQ Act. Qual Short:***	
RALT Short Name:	EPA Fund	***RNPL Status Code:***	N
RAT Def:	The process by which a potential hazardous waste site is brought to the attention of the EPA. The process can		

occur through the use of several mechanisms such as a phone call or referral by another government agency.

RNON NPL Status Desc: NFRAP-Site does not qualify for the NPL based on existing information

CERCLIS-NFRAP Assess History

OU ID:	0	***Act Start Date:***	
Act Code ID:	1	***Act Complete Date:***	8/27/1986
RAT Code:	PA	***AGT Order No.:***	130
RAT Short Name:	PA	***SH OU:***	
RAT Name:	PRELIMINARY ASSESSMENT	***SH Code:***	
RAT Hist. Only Flag:		***SH Seq:***	
RAT NSI Indicator:	B	***SH Start Date:***	
RAT Level:	1	***SH Complete Date:***	
RAT DEF OU:	00	***SH Lead:***	
RFBS Code:	P	***SH Qual:***	
SPA Code:	13	***RAQ Act. Qual Short:***	NFRAP
RALT Short Name:	State (Fund)	***RNPL Status Code:***	N

RAT Def: Collection of diverse existing information about the source and nature of the site hazard. It is EPA policy to complete the preliminary assessment within one year of site discovery.

RNON NPL Status Desc: NFRAP-Site does not qualify for the NPL based on existing information

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Site: ***EXXON #5-4230***
AIRLINE RD & I-40 EAST Memphis TN

LUST TRUST

Facility ID:	9791301
Case No:	1
Applic No:	99212
Owner ID:	
Facility Owner:	
Status:	Closed
Paid Requested:	$289,705.30
Paid Net Not Negotiable:	-$586.78
Paid Net Pay:	$290,292.08
Paid Deductible:	$75,000.00
Paid Payment:	$215,292.08
Applied Requested:	
Applied Not Negotiable:	
Applied Net Pay:	
Applied Deductible:	
Applied Payment:	

Site: ***EPIC SITE-17 WEAKLEY SUB.***
DECATUR ST MEMPHIS TN

REMEDIATION

DOR Site ID:	79748	***DOR EFO:***	MEMPHIS
Status:	CLOSED	***Program:***	LIABLE PARTY FUNDED
EPA Facility ID:	TND980838585	***County:***	SHELBY
EPA Registry ID:		***Latitude:***	
Delisted:		***Longitude:***	
Promulgated Date:		***Acres:***	

Site: ***WEAKLEY SUBDIVISION***
NORTH END OF DECATUR ST MEMPHIS TN 38107

SEMS ARCHIVE

Site ID:	0404016	***FIPS Code:***	47157
EPA ID:	TND980838585	***Cong District:***	09
Superfund Alt Agmt:	No	***Region:***	04
Federal Facility:	No	***County:***	SHELBY
FF Docket:	No		

NPL: Not on the NPL

Non NPL Status: NFRAP-Site does not qualify for the NPL based on existing information

Action Information

Operable Units:	00	***Qual:***	

Action Code:	DS	***SEQ:***	1
Action Name:	DISCVRY	***FF:***	N
Start Actual:	12/01/1979	***FF Docket:***	N
Finish Actual:	12/01/1979	***Region:***	04
Curr Action Lead:	EPA Perf		

Operable Units:	00	***Qual:***	N
Action Code:	PA	***SEQ:***	1
Action Name:	PA	***FF:***	N
Start Actual:		***FF Docket:***	N
Finish Actual:	08/27/1986	***Region:***	04
Curr Action Lead:	St Perf		

Operable Units:	00	***Qual:***	
Action Code:	VS	***SEQ:***	1
Action Name:	ARCH SITE	***FF:***	N
Start Actual:		***FF Docket:***	N
Finish Actual:	08/27/1986	***Region:***	04
Curr Action Lead:	EPA Perf In-Hse		

Site:

I-40 west mm 6 MEMPHIS TN

SPILLS

Incident NO:	IR2014-5955
Incident Type:	SPILL
Date Received:	07-Jan-14
Time Received:	00-Jan-00
Incident Date:	01-Jan-14
Incident County:	SHELBY
Incident Mile Marker:	
Incid Highway Name:	
Incident Short Desc:	TRACTOR TRAILER WRECK / INCIDENT
Affected Area Type:	ROAD SURFACE
Carrier Type:	
Carrier Name:	
Responsible Party:	Empire Express
Res Party Phone:	901-830-4571
Material Released:	Diesel
Estimated Amount:	10 to 100 Gallons
Date Closed:	07-Jan-14
Condition Of Closure:	NFA
Closed By:	Jason Simpson
Damages:	FALSE
Fire:	FALSE
Explosion:	FALSE
Evacuation:	FALSE
Exposure:	FALSE
Fish kill:	FALSE
Drinking Water Impacted:	FALSE
ER Guide:	128
Specific Chemical ID NO:	IRT-1086
Incident Notes:	

Appendix: Database Descriptions

Environmental Risk Information Services (ERIS) can search the following databases. The extent of historical information varies with each database and current information is determined by what is publicly available to ERIS at the time of update. ERIS updates databases as set out in ASTM Standard E1527-13 and E1527-21, Section 8.1.8 Sources of Standard Source Information:

"Government information from nongovernmental sources may be considered current if the source updates the information at least every 90 days, or, for information that is updated less frequently than quarterly by the government agency, within 90 days of the date the government agency makes the information available to the public."

Standard Environmental Record Sources

Federal

National Priority List: NPL

Sites on the United States Environmental Protection Agency (EPA)'s National Priorities List of the most serious uncontrolled or abandoned hazardous waste sites identified for possible long-term remedial action under the Superfund program. The NPL, which EPA is required to update at least once a year, is based primarily on the score a site receives from EPA's Hazard Ranking System. A site must be on the NPL to receive money from the Superfund Trust Fund for remedial action. Sites are represented by boundaries where available in the EPA Superfund Site Boundaries maintained by the Shared Enterprise Geodata and Services (SEGS). Site boundaries represent the footprint of a whole site, the sum of all of the Operable Units and the current understanding of the full extent of contamination; for Federal Facility sites, the total site polygon may be the Facility boundary. Where there is no polygon boundary data available for a given site, the site is represented as a point.

Government Publication Date: Jan 25, 2023

National Priority List - Proposed: PROPOSED NPL

Sites proposed by the United States Environmental Protection Agency (EPA), the state agency, or concerned citizens for addition to the National Priorities List (NPL) due to contamination by hazardous waste and identified by the EPA as a candidate for cleanup because it poses a risk to human health and/or the environment. Sites are represented by boundaries where available in the EPA Superfund Site Boundaries maintained by the Shared Enterprise Geodata and Services (SEGS). Site boundaries represent the footprint of a whole site, the sum of all of the Operable Units and the current understanding of the full extent of contamination; for Federal Facility sites, the total site polygon may be the Facility boundary. Where there is no polygon boundary data available for a given site, the site is represented as a point.

Government Publication Date: Jan 25, 2023

Deleted NPL: DELETED NPL

Sites deleted from the United States Environmental Protection Agency (EPA)'s National Priorities List. The National Oil and Hazardous Substances Pollution Contingency Plan (NCP) establishes the criteria that the EPA uses to delete sites from the NPL. In accordance with 40 CFR 300.425.(e), sites may be deleted from the NPL where no further response is appropriate. Sites are represented by boundaries where available in the EPA Superfund Site Boundaries maintained by the Shared Enterprise Geodata and Services (SEGS). Site boundaries represent the footprint of a whole site, the sum of all of the Operable Units and the current understanding of the full extent of contamination; for Federal Facility sites, the total site polygon may be the Facility boundary. Where there is no polygon boundary data available for a given site, the site is represented as a point.

Government Publication Date: Jan 25, 2023

SEMS List 8R Active Site Inventory: SEMS

The U.S. Environmental Protection Agency's (EPA) Superfund Program has deployed the Superfund Enterprise Management System (SEMS), which integrates multiple legacy systems into a comprehensive tracking and reporting tool. This inventory contains active sites evaluated by the Superfund program that are either proposed to be or are on the National Priorities List (NPL) as well as sites that are in the screening and assessment phase for possible inclusion on the NPL. The Active Site Inventory Report displays site and location information at active SEMS sites. An active site is one at which site assessment, removal, remedial, enforcement, cost recovery, or oversight activities are being planned or conducted. This data includes SEMS sites from the List 8R Active file as well as applicable sites from the SEMS GIS/REST file layer obtained from EPA's Facility Registry Service.

Government Publication Date: Jan 25, 2023

Inventory of Open Dumps, June 1985: ODI

The Resource Conservation and Recovery Act (RCRA) provides for publication of an inventory of open dumps. The Act defines "open dumps" as facilities which do not comply with EPA's "Criteria for Classification of Solid Waste Disposal Facilities and Practices" (40 CFR 257).

Government Publication Date: Jun 1985

SEMS List 8R Archive Sites: SEMS ARCHIVE

The U.S. Environmental Protection Agency's (EPA) Superfund Enterprise Management System (SEMS) Archived Site Inventory displays site and location information at sites archived from SEMS. An archived site is one at which EPA has determined that assessment has been completed and no further remedial action is planned under the Superfund program at this time. This data includes sites from the List 8R Archived site file.

Government Publication Date: Jan 25, 2023

Comprehensive Environmental Response, Compensation and Liability Information System - CERCLIS: CERCLIS

Superfund is a program administered by the United States Environmental Protection Agency (EPA) to locate, investigate, and clean up the worst hazardous waste sites throughout the United States. CERCLIS is a database of potential and confirmed hazardous waste sites at which the EPA Superfund program has some involvement. It contains sites that are either proposed to be or are on the National Priorities List (NPL) as well as sites that are in the screening and assessment phase for possible inclusion on the NPL. The EPA administers the Superfund program in cooperation with individual states and tribal governments; this database is made available by the EPA.

Government Publication Date: Oct 25, 2013

EPA Report on the Status of Open Dumps on Indian Lands: IODI

Public Law 103-399, The Indian Lands Open Dump Cleanup Act of 1994, enacted October 22, 1994, identified congressional concerns that solid waste open dump sites located on American Indian or Alaska Native (AI/AN) lands threaten the health and safety of residents of those lands and contiguous areas. The purpose of the Act is to identify the location of open dumps on Indian lands, assess the relative health and environment hazards posed by those sites, and provide financial and technical assistance to Indian tribal governments to close such dumps in compliance with Federal standards and regulations or standards promulgated by Indian Tribal governments or Alaska Native entities.

Government Publication Date: Dec 31, 1998

CERCLIS - No Further Remedial Action Planned: CERCLIS NFRAP

An archived site is one at which EPA has determined that assessment has been completed and no further remedial action is planned under the Superfund program at this time. The Archive designation means that, to the best of EPA's knowledge, assessment at a site has been completed and that EPA has determined no further steps will be taken to list this site on the National Priorities List (NPL). This decision does not necessarily mean that there is no hazard associated with a given site; it only means that, based upon available information, the location is not judged to be a potential NPL site.

Government Publication Date: Oct 25, 2013

CERCLIS Liens: CERCLIS LIENS

A Federal Superfund lien exists at any property where EPA has incurred Superfund costs to address contamination ("Superfund site") and has provided notice of liability to the property owner. A Federal CERCLA ("Superfund") lien can exist by operation of law at any site or property at which EPA has spent Superfund monies. This database is made available by the United States Environmental Protection Agency (EPA). This database was provided by the United States Environmental Protection Agency (EPA). Refer to SEMS LIEN as the current data source for Superfund Liens.

Government Publication Date: Jan 30, 2014

RCRA CORRACTS-Corrective Action: RCRA CORRACTS

RCRA Info is the U.S. Environmental Protection Agency's (EPA) comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. At these sites, the Corrective Action Program ensures that cleanups occur. EPA and state regulators work with facilities and communities to design remedies based on the contamination, geology, and anticipated use unique to each site.

Government Publication Date: Jan 23, 2023

RCRA non-CORRACTS TSD Facilities: RCRA TSD

RCRA Info is the U.S. Environmental Protection Agency's (EPA) comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. This database includes Non-Corrective Action sites listed as treatment, storage and/or disposal facilities of hazardous waste as defined by RCRA.

Government Publication Date: Jan 23, 2023

RCRA Generator List: RCRA LQG

RCRA Info is the U.S. Environmental Protection Agency's (EPA) comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. RCRA Info replaces the data recording and reporting abilities of the Resource Conservation and Recovery Information System (RCRIS) and the Biennial Reporting System (BRS). A hazardous waste generator is any person or site whose processes and actions create hazardous waste (see 40 CFR 260.10). Large Quantity Generators (LQGs) generate 1,000 kilograms per month or more of hazardous waste or more than one kilogram per month of acutely hazardous waste.

Government Publication Date: Jan 23, 2023

RCRA Small Quantity Generators List: RCRA SQG

RCRA Info is the U.S. Environmental Protection Agency's (EPA) comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. RCRA Info replaces the data recording and reporting abilities of the Resource Conservation and Recovery Information System (RCRIS) and the Biennial Reporting System (BRS). A hazardous waste generator is any person or site whose processes and actions create hazardous waste (see 40 CFR 260.10). Small Quantity Generators (SQGs) generate more than 100 kilograms, but less than 1,000 kilograms, of hazardous waste per month.

Government Publication Date: Jan 23, 2023

RCRA Very Small Quantity Generators List: RCRA VSQG

RCRA Info is the U.S. Environmental Protection Agency's (EPA) comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. A hazardous waste generator is any person or site whose processes and actions create hazardous waste (see 40 CFR 260.10). Very Small Quantity Generators (VSQG) generate 100 kilograms or less per month of hazardous waste, or one kilogram or less per month of acutely hazardous waste. Additionally, VSQG may not accumulate more than 1,000 kilograms of hazardous waste at any time.

Government Publication Date: Jan 23, 2023

RCRA Non-Generators: RCRA NON GEN

RCRA Info is the U.S. Environmental Protection Agency's (EPA) comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. RCRA Info replaces the data recording and reporting abilities of the Resource Conservation and Recovery Information System (RCRIS) and the Biennial Reporting System (BRS). A hazardous waste generator is any person or site whose processes and actions create hazardous waste (see 40 CFR 260.10). Non-Generators do not presently generate hazardous waste.

Government Publication Date: Jan 23, 2023

RCRA Sites with Controls: RCRA CONTROLS

List of Resource Conservation and Recovery Act (RCRA) facilities with institutional controls in place. RCRA gives the U.S. Environmental Protection Agency (EPA) the authority to control hazardous waste from the "cradle-to-grave." This includes the generation, transportation, treatment, storage, and disposal of hazardous waste. RCRA also set forth a framework for the management of non-hazardous solid wastes. The 1986 amendments to RCRA enabled EPA to address environmental problems that could result from underground tanks storing petroleum and other hazardous substances.

Government Publication Date: Jan 23, 2023

Federal Engineering Controls-ECs: FED ENG

This list of Engineering controls (ECs) is provided by the United States Environmental Protection Agency (EPA). ECs encompass a variety of engineered and constructed physical barriers (e.g., soil capping, sub-surface venting systems, mitigation barriers, fences) to contain and/or prevent exposure to contamination on a property. The EC listing includes remedy component data from Superfund decision documents issued in fiscal years 1982-2020 for applicable sites on the final or deleted on the National Priorities List (NPL); and sites with a Superfund Alternative Approach (SAA) Agreement in place. The only sites included that are not on the NPL; proposed for NPL; or removed from proposed NPL, are those with an SAA Agreement in place.

Government Publication Date: Feb 23, 2023

Federal Institutional Controls- ICs: FED INST

This list of Institutional controls (ICs) is provided by the United States Environmental Protection Agency (EPA). ICs are non-engineered instruments, such as administrative and legal controls, that help minimize the potential for human exposure to contamination and/or protect the integrity of the remedy. Although it is EPA's expectation that treatment or engineering controls will be used to address principal threat wastes and that groundwater will be returned to its beneficial use whenever practicable, ICs play an important role in site remedies because they reduce exposure to contamination by limiting land or resource use and guide human behavior at a site. The IC listing includes remedy component data from Superfund decision documents issued in fiscal years 1982-2020 for applicable sites on the final or deleted on the National Priorities List (NPL); and sites with a Superfund Alternative Approach (SAA) Agreement in place. The only sites included that are not on the NPL; proposed for NPL; or removed from proposed NPL, are those with an SAA Agreement in place.

Government Publication Date: Feb 23, 2023

Land Use Control Information System: LUCIS

The LUCIS database is maintained by the U.S. Department of the Navy and contains information for former Base Realignment and Closure (BRAC) properties across the United States.

Government Publication Date: Sep 1, 2006

Institutional Control Boundaries at NPL sites: NPL IC

Boundaries of Institutional Control areas at sites on the United States Environmental Protection Agency (EPA)'s National Priorities List, or Proposed or Deleted, made available by the EPA's Shared Enterprise Geodata and Services (SEGS). United States Environmental Protection Agency (EPA)'s National Priorities List of the most serious uncontrolled or abandoned hazardous waste sites identified for possible long-term remedial action under the Superfund program. Institutional controls are non-engineered instruments such as administrative and legal controls that help minimize the potential for human exposure to contamination and/or protect the integrity of the remedy.

Government Publication Date: Jan 25, 2023

Emergency Response Notification System: ERNS 1982 TO 1986

Database of oil and hazardous substances spill reports controlled by the National Response Center. The primary function of the National Response Center is to serve as the sole national point of contact for reporting oil, chemical, radiological, biological, and etiological discharges into the environment anywhere in the United States and its territories.

Government Publication Date: 1982-1986

Emergency Response Notification System: ERNS 1987 TO 1989

Database of oil and hazardous substances spill reports controlled by the National Response Center. The primary function of the National Response Center is to serve as the sole national point of contact for reporting oil, chemical, radiological, biological, and etiological discharges into the environment anywhere in the United States and its territories.

Government Publication Date: 1987-1989

Emergency Response Notification System: ERNS

Database of oil and hazardous substances spill reports made available by the United States Coast Guard National Response Center (NRC). The NRC fields initial reports for pollution and railroad incidents and forwards that information to appropriate federal/state agencies for response. These data contain initial incident data that has not been validated or investigated by a federal/state response agency.

Government Publication Date: Jan 16, 2023

The Assessment, Cleanup and Redevelopment Exchange System (ACRES) Brownfield Database: FED BROWNFIELDS

Brownfields are real property, the expansion, redevelopment, or reuse of which may be complicated by the presence or potential presence of a hazardous substance, pollutant, or contaminant. Cleaning up and reinvesting in these properties protects the environment, reduces blight, and takes development pressures off greenspaces and working lands. This data is provided by the United States Environmental Protection Agency (EPA) and includes Brownfield sites from the Cleanups in My Community (CIMC) web application.

Government Publication Date: Sep 13, 2022

FEMA Underground Storage Tank Listing: FEMA UST

The Federal Emergency Management Agency (FEMA) of the Department of Homeland Security maintains a list of FEMA owned underground storage tanks.

Government Publication Date: Dec 31, 2017

Facility Response Plan: FRP

This listing contains facilities that have submitted Facility Response Plans (FRPs) to the U.S. Environmental Protection Agency (EPA). Facilities that could reasonably be expected to cause "substantial harm" to the environment by discharging oil into or on navigable waters are required to prepare and submit FRPs. Harm is determined based on total oil storage capacity, secondary containment and age of tanks, oil transfer activities, history of discharges, proximity to a public drinking water intake or sensitive environments. This listing includes FRP facilities from an applicable EPA FOIA file and Homeland Infrastructure Foundation-Level Data (HIFLD) data file.

Government Publication Date: Aug 8, 2022

Delisted Facility Response Plans: DELISTED FRP

Facilities that once appeared in - and have since been removed from - the list of facilities that have submitted Facility Response Plans (FRP) to EPA. Facilities that could reasonably be expected to cause "substantial harm" to the environment by discharging oil into or on navigable waters are required to prepare and submit Facility Response Plans (FRPs). Harm is determined based on total oil storage capacity, secondary containment and age of tanks, oil transfer activities, history of discharges, proximity to a public drinking water intake or sensitive environments.

Government Publication Date: Aug 8, 2022

Historical Gas Stations: HIST GAS STATIONS

This historic directory of service stations is provided by the Cities Service Company. The directory includes Cities Service filling stations that were located throughout the United States in 1930.

Government Publication Date: Jul 1, 1930

Petroleum Refineries: REFN

List of petroleum refineries from the U.S. Energy Information Administration (EIA) Refinery Capacity Report. Includes operating and idle petroleum refineries (including new refineries under construction) and refineries shut down during the previous year located in the 50 States, the District of Columbia, Puerto Rico, the Virgin Islands, Guam, and other U.S. possessions. Survey locations adjusted using public data.

Government Publication Date: Aug 30, 2022

Petroleum Product and Crude Oil Rail Terminals: BULK TERMINAL

List of petroleum product and crude oil rail terminals made available by the U.S. Energy Information Administration (EIA). Includes operable bulk petroleum product terminals located in the 50 States and the District of Columbia with a total bulk shell storage capacity of 50,000 barrels or more, and/or the ability to receive volumes from tanker, barge, or pipeline; also rail terminals handling the loading and unloading of crude oil that were active between 2017 and 2018. Petroleum product terminals comes from the EIA-815 Bulk Terminal and Blender Report, which includes working, shell in operation, and shell idle for several major product groupings. Survey locations adjusted using public data.

Government Publication Date: Jun 29, 2022

LIEN on Property: SEMS LIEN

The U.S. Environmental Protection Agency's (EPA) Superfund Enterprise Management System (SEMS) provides Lien details on applicable properties, such as the Superfund lien on property activity, the lien property information, and the parties associated with the lien.

Government Publication Date: Jan 25, 2023

Superfund Decision Documents: SUPERFUND ROD

This database contains a list of decision documents for Superfund sites. Decision documents serve to provide the reasoning for the choice of (or) changes to a Superfund Site cleanup plan. The decision documents include completed Records of Decision (ROD), ROD Amendments, Explanations of Significant Differences (ESD) for active and archived sites stored in the Superfund Enterprise Management System (SEMS), along with other associated memos and files. This information is maintained and made available by the U.S. Environmental Protection Agency.

Government Publication Date: Mar 23, 2023

Formerly Utilized Sites Remedial Action Program: DOE FUSRAP

The U.S. Department of Energy (DOE) established the Formerly Utilized Sites Remedial Action Program (FUSRAP) in 1974 to remediate sites where radioactive contamination remained from the Manhattan Project and early U.S. Atomic Energy Commission (AEC) operations. The DOE Office of Legacy Management (LM) established long-term surveillance and maintenance (LTS&M) requirements for remediated FUSRAP sites. DOE evaluates the final site conditions of a remediated site on the basis of risk for different future uses. DOE then confirms that LTS&M requirements will maintain protectiveness.

Government Publication Date: Mar 4, 2017

State

Promulgated Sites: SHWS

The Promulgated List made available by Tennessee's Department of Environment and Conservation (TDEC) is a List of Inactive Hazardous Substance Sites. 'Inactive hazardous substance sites that constitute an imminent, substantial danger' is an inactive hazardous substance site where there is a threat of danger to the public health, safety, or environment which is both real and presently existing. This database is state equivalent NPL.

Government Publication Date: Mar 27, 2023

Delisted State Hazardous Waste Sites: DEL SHWS

This database contains a list of sites which have removed from The Promulgated Sites Listing maintained by Tennessee's Department of Environment and Conservation (TDEC).

Government Publication Date: Mar 27, 2023

Solid Waste Disposal Facilities and Landfills: SWF/LF

A list of permitted solid waste and landfill facilities made available by Tennessee's Department of Environment Conservation (TDEC).

Government Publication Date: May 4, 2023

Environmental Activities on USTs: LUST

The Tennessee Department of Environment and Conservation (TDEC) has made available a list of facilities where any type of environment-related activity has occurred due to a tank closure, or a suspected or confirmed release. The information in this list includes the facility's name and address when the environmental activities began, and the as well as the current status of the activities taking place.

Government Publication Date: Apr 27, 2023

Tennessee Petroleum Underground Storage Tank Fund: LUST TRUST

A list of facilities which have applied for reimbursement from the Tennessee Petroleum Underground Storage Tank Fund, made available by Tennessee Department of Environment and Conservation (TDEC).

Government Publication Date: Apr 27, 2023

Delisted Leaking Storage Tanks: DELISTED LST

This database contains a list of leaking storage tank sites and their Funds for reimbursement of costs related to assessment and cleanup that were removed from the Department of Environment and Conservation (TDEC) database.

Government Publication Date: Apr 27, 2023

Hazardous Waste Remedial Action Fund: HWRA

List of sites under the Hazardous Waste Remedial Action Fund (HWARF) program, maintained by Tennessee Department of Environement and Conservation (TDEC). The Division of Remediation uses the Fund to investigate and cleanup environmental problems caused by the release of hazardous substances into the environment.

Government Publication Date: Mar 27, 2023

Delisted Hazardous Waste Remedial Action Fund: DHWR

List of sites which once appeared on - and have since been removed from - the list of sites participating in the Hazardous Waste Remedial Action Fund, made available by Tennessee's Department of Environment and Conservation (TDEC).

Government Publication Date: Dec 20, 2022

Underground Storage Tanks: UST

A list of tank compartments that have been reported to the Division of Underground Storage Tanks in the Department of Environment and Conservation (DEC). Some of the compartments listed, are not regulated by state or federal regulations, because of the substance stored, the size of the compartment, its use, etc. This list is maintained by Tennessee Division of Underground Storage Tanks in DEC.

Government Publication Date: Apr 27, 2023

Delisted Storage Tanks: DEL STORAGE TNK

List of tank compartments is maintained by the Division of Underground Storage Tanks in the Department of Environment and Conservation (DEC). The department would remove a record if the compartment is not regulated. This list contains the non-regulated tank compartments that been removed from the department's tank database.

Government Publication Date: Apr 27, 2023

Sites Remediated with Institutional Controls: INST

List of remediated sites that have institutional controls in place. This list has been made available by Tennessee's Department of Environment and Conservation (TDEC).

Government Publication Date: Mar 27, 2023

Sites Remediated with Engineering Controls: ENG

This list made available by Tennessee's Department of Environment and Conservation (TDEC) is comprised of remediated sites that have engineering controls.

Government Publication Date: Mar 27, 2023

Voluntary Cleanup, Oversight and Assistance Program: VCP

The Voluntary Cleanup Oversight and Assistance Program (VOAP) overlooked by Tennessee's Department of Environment and Conservation (TDEC) offers people the opportunity to work proactively with state government to address necessary cleanup of a property to return it to productive use. In return for their efforts, participants can receive a No Further Action letter and a release of liability for areas where investigation and cleanup is conducted. This list is maintained by the Division of Remediation in Department of Environment and Conservation.

Government Publication Date: Mar 27, 2023

State Remediation Program List: SRP

The State Remediation Program (SRP) was established in 1994 within the Division of Solid Waste Management of the Department of Environmental Conservation (DEC) for the purpose of providing owners, prospective purchasers and other interested parties the means to voluntarily investigate, clean up or monitor contaminated sites not regulated under RCRA, CERCLA or the Tennessee Division of Underground Tanks (UST). This list maintained by Department of Environment and Conservation, Division of Solid waste Management - Site Remediation Program.
Government Publication Date: Mar 27, 2023

Division of Remediation Sites: REMEDIATION

List of remediation sites that are or have been under any of the program in Division of Remediation, Tennessee's Department of Environment and Conservation, including VOAP, DCERP, SRP, etc.
Government Publication Date: Mar 27, 2023

Tribal

Leaking Underground Storage Tanks (LUSTs) on Indian Lands: INDIAN LUST

This list of leaking underground storage tanks (LUSTs) on Tribal/Indian Lands in Region 4, which includes Tennessee, is made available by the United States Environmental Protection Agency (EPA). There are no federally recognized Tribes in Tennessee, according to the U.S. Department of Interior, Bureau of Indian Affairs.
Government Publication Date: Apr 12, 2019

Underground Storage Tanks (USTs) on Indian Lands: INDIAN UST

This list of underground storage tanks (USTs) on Tribal/Indian Lands in Region 4, which includes Tennessee, is made available by the United States Environmental Protection Agency (EPA). There are no federally recognized Tribes in Tennessee, according to the U.S. Department of Interior, Bureau of Indian Affairs.
Government Publication Date: Oct 14, 2017

Delisted Tribal Leaking Storage Tanks: DELISTED INDIAN LST

Leaking Underground Storage Tank (LUST) facilities which once appeared on - and have since been removed from - the Regional Tribal/Indian LUST lists made available by the United States Environmental Protection Agency (EPA).
Government Publication Date: Apr 19, 2023

Delisted Tribal Underground Storage Tanks: DELISTED INDIAN UST

Underground Storage Tank (UST) facilities which once appeared on - and have since been removed from - the Regional Tribal/Indian UST lists made available by the United States Environmental Protection Agency (EPA).
Government Publication Date: Apr 19, 2023

County

No County standard environmental record sources available for this State.

Additional Environmental Record Sources

Federal

Facility Registry Service/Facility Index: FINDS/FRS

The Facility Registry Service (FRS) is a centrally managed database that identifies facilities, sites, or places subject to environmental regulations or of environmental interest. FRS creates high-quality, accurate, and authoritative facility identification records through rigorous verification and management procedures that incorporate information from program national systems, state master facility records, and data collected from EPA's Central Data Exchange registrations and data management personnel. This list is made available by the Environmental Protection Agency (US EPA).
Government Publication Date: Aug 18, 2022

Toxics Release Inventory (TRI) Program: TRIS

The U.S. Environmental Protection Agency's Toxics Release Inventory (TRI) is a database containing data on disposal or other releases of toxic chemicals from U.S. facilities and information about how facilities manage those chemicals through recycling, energy recovery, and treatment. There are currently 770 individually listed chemicals and 33 chemical categories covered by the TRI Program. Facilities that manufacture, process or otherwise use these chemicals in amounts above established levels must submit annual reporting forms for each chemical. Note that the TRI chemical list does not include all toxic chemicals used in the U.S. One of TRI's primary purposes is to inform communities about toxic chemical releases to the environment.

Government Publication Date: Oct 19, 2022

PFOA/PFOS Contaminated Sites: PFAS NPL

List of National Priorities List (NPL) and related Superfund Alternative Agreement (SAA) sites where PFOA or PFOS contaminants have been found in water and/or soil. The site listing is provided by the Federal Environmental Protection Agency (EPA).

Government Publication Date: Mar 28, 2023

Federal Agency Locations with Known or Suspected PFAS Detections: PFAS FED SITES

List of Federal agency locations with known or suspected detections of Per- and Polyfluoroalkyl Substances (PFAS), made available by the U.S. Environmental Protection Agency (EPA) in their PFAS Analytic Tools data. EPA outlines that these data are gathered from several federal entities, such as the Federal Superfund program, Department of Defense (DOD), National Aeronautics and Space Administration, Department of Transportation, and Department of Energy. Sites on this list do not necessarily reflect the source/s of contamination and detections do not indicate level of risk or human exposure at the site. Agricultural notifications in this data are limited to DOD sites only. At this time, the EPA is aware that this list is not comprehensive of all Federal agencies.

Government Publication Date: Jun 30, 2022

SSEHRI PFAS Contamination Sites: PFAS SSEHRI

This PFAS Contamination Site Tracker database is compiled by the Social Science Environmental Health Research Institute (SSEHRI) at Northeastern University. According to the SSEHRI, the database records qualitative and quantitative data from each known site of PFAS contamination, including timeline of discovery, sources, levels, health impacts, community response, and government response. The goal of this database is to compile information and support public understanding of the rapidly unfolding issue of PFAS contamination. All data presented was extracted from government websites, news articles, or publicly available documents, and this is cited in the tracker. Disclaimer: The source conveys this database undergoes regular updates as new information becomes available, some sites may be missing and/or contain information that is incorrect or outdated, as well as their information represents all contamination sites SSEHRI is aware of, not all possible contamination sites. This data is not intended to be used for legal purposes. Limited location details are available with this data. Access the following for the most current informations https://pfasproject.com/pfas-contamination-site-tr acker/

Government Publication Date: Dec 12, 2019

National Response Center PFAS Spills: ERNS PFAS

National Response Center (NRC) calls from 1990 to the most recent complete calendar year where there is indication of Aqueous Film Forming Foam (AFFF) usage. NRC calls may reference AFFF usage in the "Material Involved" or "Incident Description" fields. Data made available by the US Environmental Protection Agency (EPA). Disclaimer: dataset may include initial or misidentified incident data not yet validated or investigated by a federal/state response agency.

Government Publication Date: Feb 23, 2022

PFAS NPDES Discharge Monitoring: PFAS NPDES

This list of National Pollutant Discharge Elimination System (NPDES) permitted facilities with required monitoring for Per- and Polyfluoroalkyl (PFAS) Substances is made available via the U.S. Environmental Protection Agency (EPA)'s PFAS Analytic Tools. Any point-source wastewater discharger to waters of the United States must have a NPDES permit, which defines a set of parameters for pollutants and monitoring to ensure that the discharge does not degrade water quality or impair human health. This list includes NPDES permitted facilities associated with permits that monitor for Per- and Polyfluoroalkyl Substances (PFAS), limited to the years 2007 - present. EPA further advises the following regarding these data: currently, fewer than half of states have required PFAS monitoring for at least one of their permittees, and fewer states have established PFAS effluent limits for permittees. For states that may have required monitoring, some reporting and data transfer issues may exist on a state-by-state basis.

Government Publication Date: Feb 19, 2023

Perfluorinated Alkyl Substances (PFAS) from Toxic Release Inventory: PFAS TRI

List of Toxics Release Inventory (TRI) facilities at which the reported chemical is a Per- or polyfluorinated alkyl substance (PFAS) included in the Environmental Protection Agency (EPA)'s consolidated PFAS Master List of PFAS Substances. The EPA's Toxics Release Inventory (TRI) is a database containing data on disposal or other releases of over 650 toxic chemicals from thousands of U.S. facilities and information about how facilities manage those chemicals through recycling, energy recovery, and treatment.

Government Publication Date: Aug 24, 2021

Perfluorinated Alkyl Substances (PFAS) Water Quality: PFAS WATER

The Water Quality Portal (WQP) is a cooperative service sponsored by the United States Geological Survey (USGS), the Environmental Protection Agency (EPA), and the National Water Quality Monitoring Council (NWQMC). This listing includes records from the Water Quality Portal where the characteristic (environmental measurement) is in the Environmental Protection Agency (EPA)'s consolidated Master List of PFAS Substances.

Government Publication Date: Jul 20, 2020

PFAS TSCA Manufacture and Import Facilities: PFAS TSCA

The U.S. Environmental Protection Agency (EPA) issued the Chemical Data Reporting (CDR) Rule under the Toxic Substances Control Act (TSCA) and requires chemical manufacturers and facilities that manufacture or import chemical substances to report data to EPA. This list is specific only to TSCA Manufacture and Import Facilities with reported per- and poly-fluoroalkyl (PFAS) substances. Data file is sourced from EPA's PFAS Analytic Tools TSCA dataset which includes CDR/Inventory Update Reporting data from 1998 up to 2020. Disclaimer: This data file includes production and importation data for chemicals identified in EPA's CompTox Chemicals Dashboard list of PFAS without explicit structures and list of PFAS structures in DSSTox. Note that some regulations have specific chemical structure requirements that define PFAS differently than the lists in EPA's CompTox Chemicals Dashboard. Reporting information on manufactured or imported chemical substance amounts should not be compared between facilities, as some companies claim Chemical Data Reporting Rule data fields for PFAS information as Confidential Business Information.

Government Publication Date: Jan 5, 2023

PFAS Waste Transfers from RCRA e-Manifest : PFAS E-MANIFEST

This Per- and Poly-Fluoroalkyl Substances (PFAS) Waste Transfers dataset is made available via the U.S. Environmental Protection Agency's (EPA) PFAS Analytic Tools. Every shipment of hazardous waste in the U.S. must be accompanied by a shipment manifest, which is a critical component of the cradle-to-grave tracking of wastes mandated by the Resource Conservation and Recovery Act (RCRA). According to the EPA, currently no Federal Waste Code exists for any PFAS compounds. To work around the lack of PFAS waste codes in the RCRA database, EPA developed the PFAS Transfers dataset by mining e-Manifest records containing at least one of these common PFAS keywords: • PFAS • PFOA • PFOS • PERFL • AFFF • GENX • GEN-X (plus the Vermont state-specific waste codes). Limitations: Amount or concentration of PFAS being transferred cannot be determined from the manifest information. Keyword searches may misidentify some manifest records that do not contain PFAS. This dataset should also not be considered to be exhaustive of all PFAS waste transfers.

Government Publication Date: Apr 9, 2023

PFAS Industry Sectors: PFAS IND

This Per- and Poly-Fluoroalkyl Substances (PFAS) Industry Sectors dataset is made available via the U.S. Environmental Protection Agency's (EPA) PFAS Analytic Tools. The EPA developed the dataset from various sources that show which industries may be handling PFAS including: EPA's Enforcement and Compliance History Online (ECHO) records restricted to potential PFAS-handling industry sectors; ECHO records for Fire Training Sites identified where fire-fighting foam may have been used in training exercises; and 14 CFR Part 139 Airports compiled from historic and current records from the FAA Airport Data and Information Portal. Since July 2006, all certificated Part 139 Airports are required to have fire-fighting foam onsite that meet certain military specifications, which to date have been fluorinated (Aqueous Film Forming Foam). Limitations: Inclusion in this dataset does not indicate that PFAS are being manufactured, processed, used, or released by the facility. Listed facilities potentially handle PFAS based on their industrial profile, but are unconfirmed by the EPA. Keyword searches in ECHO for Fire Training sites may misidentify some facilities and should not be considered to be an exhaustive list of fire training facilities in the U.S.

Government Publication Date: Apr 16, 2023

Hazardous Materials Information Reporting System: HMIRS

US DOT - Department of Transportation Pipeline and Hazardous Materials Safety Administration (PHMSA) Incidents Reports Database taken from Hazmat Intelligence Portal, U.S. Department of Transportation.

Government Publication Date: Sep 1, 2020

National Clandestine Drug Labs: NCDL

The U.S. Department of Justice ("the Department"), Drug Enforcement Administration (DEA), provides this data as a public service. It contains addresses of some locations where law enforcement agencies reported they found chemicals or other items that indicated the presence of either clandestine drug laboratories or dumpsites. In most cases, the source of the entries is not the Department, and the Department has not verified the entry and does not guarantee its accuracy.

Government Publication Date: Feb 8, 2023

Toxic Substances Control Act: TSCA

The Environmental Protection Agency (EPA) is amending the Toxic Substances Control Act (TSCA) section 8(a) Inventory Update Reporting (IUR) rule and changing its name to the Chemical Data Reporting (CDR) rule.
The CDR enables EPA to collect and publish information on the manufacturing, processing, and use of commercial chemical substances and mixtures (referred to hereafter as chemical substances) on the TSCA Chemical Substance Inventory (TSCA Inventory). This includes current information on chemical substance production volumes, manufacturing sites, and how the chemical substances are used. This information helps the Agency determine whether people or the environment are potentially exposed to reported chemical substances. EPA publishes submitted CDR data that is not Confidential Business Information (CBI).
Government Publication Date: Apr 11, 2019

Hist TSCA: HIST TSCA
The Environmental Protection Agency (EPA) is amending the Toxic Substances Control Act (TSCA) section 8(a) Inventory Update Reporting (IUR) rule and changing its name to the Chemical Data Reporting (CDR) rule.
The 2006 IUR data summary report includes information about chemicals manufactured or imported in quantities of 25,000 pounds or more at a single site during calendar year 2005. In addition to the basic manufacturing information collected in previous reporting cycles, the 2006 cycle is the first time EPA collected information to characterize exposure during manufacturing, processing and use of organic chemicals. The 2006 cycle also is the first time manufacturers of inorganic chemicals were required to report basic manufacturing information.
Government Publication Date: Dec 31, 2006

FTTS Administrative Case Listing: FTTS ADMIN
An administrative case listing from the Federal Insecticide, Fungicide, & Rodenticide Act (FIFRA) and Toxic Substances Control Act (TSCA), together known as FTTS. This database was obtained from the Environmental Protection Agency's (EPA) National Compliance Database (NCDB). The FTTS and NCDB was shut down in 2006.
Government Publication Date: Jan 19, 2007

FTTS Inspection Case Listing: FTTS INSP
An inspection case listing from the Federal Insecticide, Fungicide, & Rodenticide Act (FIFRA) and Toxic Substances Control Act (TSCA), together known as FTTS. This database was obtained from the Environmental Protection Agency's (EPA) National Compliance Database (NCDB). The FTTS and NCDB was shut down in 2006.
Government Publication Date: Jan 19, 2007

Potentially Responsible Parties List: PRP
Early in the site cleanup process, the U.S. Environmental Protection Agency (EPA) conducts a search to find the Potentially Responsible Parties (PRPs). The EPA looks for evidence to determine liability by matching wastes found at the site with parties that may have contributed wastes to the site. This listing contains PRPs, Noticed Parties, at sites in the EPA's Superfund Enterprise Management System (SEMS).
Government Publication Date: Jan 25, 2023

State Coalition for Remediation of Drycleaners Listing: SCRD DRYCLEANER
The State Coalition for Remediation of Drycleaners (SCRD) was established in 1998, with support from the U.S. Environmental Protection Agency (EPA) Office of Superfund Remediation and Technology Innovation. Coalition members are states with mandated programs and funding for drycleaner site remediation. Current members are Alabama, Connecticut, Florida, Illinois, Kansas, Minnesota, Missouri, North Carolina, Oregon, South Carolina, Tennessee, Texas, and Wisconsin. Since 2017, the SCRD no longer maintains this data, refer to applicable state source data where available.
Government Publication Date: Nov 08, 2017

Integrated Compliance Information System (ICIS): ICIS
The U.S. Environmental Protection Agency's Enforcement and Compliance History Online system incorporates data from the Integrated Compliance Information System - National Pollutant Discharge Elimination System (ICIS-NPDES). ICIS-NPDES is an information management system maintained by the Office of Compliance to track permit compliance and enforcement status of facilities regulated by the NPDES under the Clean Water Act. This data includes permit, inspection, violation and enforcement action information for applicable ICIS records.
Government Publication Date: Oct 15, 2022

Drycleaner Facilities: FED DRYCLEANERS
A list of drycleaner facilities from Enforcement and Compliance History Online (ECHO) data as made available by the U.S. Environmental Protection Agency (EPA), sourced from the ECHO Exporter file. The EPA tracks facilities that possess NAIC and SIC codes that classify businesses as drycleaner establishments.
Government Publication Date: Dec 11, 2022

Delisted Drycleaner Facilities: DELISTED FED DRY
List of sites removed from the list of Drycleaner Facilities (sites in the EPA's Integrated Compliance Information System (ICIS) with NAIC or SIC codes identifying the business as a drycleaner establishment).

Government Publication Date: Dec 11, 2022

Formerly Used Defense Sites: FUDS

Formerly Used Defense Sites (FUDS) are properties that were formerly owned by, leased to, or otherwise possessed by and under the jurisdiction of the Secretary of Defense prior to October 1986, where the Department of Defense (DOD) is responsible for an environmental restoration. The FUDS Annual Report to Congress (ARC) is published by the U.S. Army Corps of Engineers (USACE). This data is compiled from the USACE's Geospatial FUDS data layers and Homeland Infrastructure Foundation-Level Data (HIFLD) FUDS dataset.

Government Publication Date: Jul 12, 2022

FUDS Munitions Response Sites: FUDS MRS

Boundaries of Munitions Response Sites (MRS), published with the Formerly Used Defense Sites (FUDS) Annual Report to Congress (ARC) by the U.S. Army Corps of Engineers (USACE). An MRS is a discrete location within a Munitions response area (MRA) that is known to require a munitions response. An MRA means any area on a defense site that is known or suspected to contain unexploded ordnance (UXO), discarded military munitions (DMM), or munitions constituents (MC). This data is compiled from the USACE's Geospatial MRS data layers and Homeland Infrastructure Foundation-Level Data (HIFLD) MRS dataset.

Government Publication Date: Jul 12, 2022

Former Military Nike Missile Sites: FORMER NIKE

This information was taken from report DRXTH-AS-IA-83A016 (Historical Overview of the Nike Missile System, 12/1984) which was performed by Environmental Science and Engineering, Inc. for the U.S. Army Toxic and Hazardous Materials Agency Assessment Division. The Nike system was deployed between 1954 and the mid-1970's. Among the substances used or stored on Nike sites were liquid missile fuel (JP-4); starter fluids (UDKH, aniline, and furfuryl alcohol); oxidizer (IRFNA); hydrocarbons (motor oil, hydraulic fluid, diesel fuel, gasoline, heating oil); solvents (carbon tetrachloride, trichloroethylene, trichloroethane, stoddard solvent); and battery electrolyte. The quantities of material a disposed of and procedures for disposal are not documented in published reports. Virtually all information concerning the potential for contamination at Nike sites is confined to personnel who were assigned to Nike sites. During deactivation most hardware was shipped to depot-level supply points. There were reportedly instances where excess materials were disposed of on or near the site itself at closure. There was reportedly no routine site decontamination.

Government Publication Date: Dec 2, 1984

PHMSA Pipeline Safety Flagged Incidents: PIPELINE INCIDENT

A list of flagged pipeline incidents made available by the U.S. Department of Transportation (US DOT) Pipeline and Hazardous Materials Safety Administration (PHMSA). PHMSA regulations require incident and accident reports for five different pipeline system types.

Government Publication Date: Mar 31, 2021

Material Licensing Tracking System (MLTS): MLTS

A list of sites that store radioactive material subject to the Nuclear Regulatory Commission (NRC) licensing requirements. This list is maintained by the NRC. As of September 2016, the NRC no longer releases location information for sites. Site locations were last received in July 2016.

Government Publication Date: May 11, 2021

Historic Material Licensing Tracking System (MLTS) sites: HIST MLTS

A historic list of sites that have inactive licenses and/or removed from the Material Licensing Tracking System (MLTS). In some cases, a site is removed from the MLTS when the state becomes an "Agreement State". An Agreement State is a State that has signed an agreement with the Nuclear Regulatory Commission (NRC) authorizing the State to regulate certain uses of radioactive materials within the State.

Government Publication Date: Jan 31, 2010

Mines Master Index File: MINES

The Master Index File (MIF) is provided by the United State Department of Labor, Mine Safety and Health Administration (MSHA). This file, which was originally created in the 1970's, contained many Mine-IDs that were invalid. MSHA removes invalid IDs from the MIF upon discovery. MSHA applicable data includes the following: all Coal and Metal/Non-Metal mines under MSHA's jurisdiction since 1/1/1970; mine addresses for all mines in the database except for Abandoned mines prior to 1998 from MSHA's legacy system (addresses may or may not correspond with the physical location of the mine itself); violations that have been assessed penalties as a result of MSHA inspections beginning on 1/1/2000; and violations issued as a result of MSHA inspections conducted beginning on 1/1/2000.

Government Publication Date: Nov 7, 2022

Surface Mining Control and Reclamation Act Sites: SMCRA

An inventory of land and water impacted by past mining (primarily coal mining) is maintained by the Office of Surface Mining Reclamation and Enforcement (OSMRE) to provide information needed to implement the Surface Mining Control and Reclamation Act of 1977 (SMCRA). The inventory contains information on the location, type, and extent of Abandoned Mine Land (AML) impacts, as well as information on the cost associated with the reclamation of those problems. The inventory is based upon field surveys by State, Tribal, and OSMRE program officials. It is dynamic to the extent that it is modified as new problems are identified and existing problems are reclaimed.

Government Publication Date: Aug 18, 2022

Mineral Resource Data System: MRDS

The Mineral Resource Data System (MRDS) is a collection of reports describing metallic and nonmetallic mineral resources throughout the world. Included are deposit name, location, commodity, deposit description, geologic characteristics, production, reserves, resources, and references. This database contains the records previously provided in the Mineral Resource Data System (MRDS) of USGS and the Mineral Availability System/Mineral Industry Locator System (MAS/MILS) originated in the U.S. Bureau of Mines, which is now part of USGS. The USGS has ceased systematic updates of the MRDS database with their focus more recently on deposits of critical minerals while providing a well-documented baseline of historical mine locations from USGS topographic maps.

Government Publication Date: Mar 15, 2016

DOE Legacy Management Sites: LM SITES

The U.S. Department of Energy (DOE) Office of Legacy Management (LM) currently manages radioactive and chemical waste, environmental contamination, and hazardous material at over 100 sites across the U.S. The LM manages sites with diverse regulatory drivers (statutes or programs that direct cleanup and management requirements at DOE sites) or as part of internal DOE or congressionally-recognized programs, such as but not limited to: Formerly Utilized Sites Remedial Action Program (FUSRAP), Uranium Mill Tailings Radiation Control Act (UMTRCA Title I, Tile II), Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA), Resource Conservation and Recovery Act (RCRA), Decontamination and Decommissioning (D&D), Nuclear Waste Policy Act (NWPA). This site listing includes data exported from the DOE Office of LM's Geospatial Environmental Mapping System (GEMS). GEMS Data disclaimer: The DOE Office of LM makes no representation or warranty, expressed or implied, regarding the use, accuracy, availability, or completeness of the data presented herein.

Government Publication Date: Dec 1, 2022

Alternative Fueling Stations: ALT FUELS

This list of alternative fueling stations is sourced from the Alternative Fuels Data Center (AFDC). The U.S. Department of Energy's Office of Energy Efficiency & Renewable Energy launched the AFDC in 1991 as a repository for alternative fuel vehicle performance data, which provides a wealth of information and data on alternative and renewable fuels, advanced vehicles, fuel-saving strategies, and emerging transportation technologies. The data includes Biodiesel (B20 and above), Compressed Natural Gas (CNG), Electric, Ethanol (E85), Hydrogen, Liquefied Natural Gas (LNG), Propane (LPG), and Renewable Diesel (R20 and above) fuel type locations.

Government Publication Date: Mar 23, 2023

Superfunds Consent Decrees: CONSENT DECREES

This list of Superfund consent decrees is provided by the Department of Justice, Environment & Natural Resources Division (ENRD) through a Freedom of Information Act (FOIA) applicable file. This listing includes Consent Decrees for CERCLA or Superfund Sites filed and/or as proposed within the ENRD's Case Management System (CMS) since 2010. CMS may not reflect the latest developments in a case nor can the agency guarantee the accuracy of the data. ENRD Disclaimer: Congress excluded three discrete categories of law enforcement and national security records from the requirements of the FOIA; response is limited to those records that are subject to the requirements of the FOIA; however, this should not be taken as an indication that excluded records do, or do not, exist.

Government Publication Date: Apr 19, 2023

Air Facility System: AFS

This EPA retired Air Facility System (AFS) dataset contains emissions, compliance, and enforcement data on stationary sources of air pollution. Regulated sources cover a wide spectrum; from large industrial facilities to relatively small operations such as dry cleaners. AFS does not contain data on facilities that are solely asbestos demolition and/or renovation contractors, or landfills. ECHO Clean Air Act data from AFS are frozen and reflect data as of October 17, 2014; the EPA retired this system for Clean Air Act stationary sources and transitioned to ICIS-Air.

Government Publication Date: Oct 17, 2014

Registered Pesticide Establishments: SSTS

List of active EPA-registered foreign and domestic pesticide-producing and device-producing establishments based on data from the Section Seven Tracking System (SSTS). The Federal Insecticide, Fungicide, and Rodenticide Act (FIFRA) Section 7 requires that facilities producing pesticides, active ingredients, or devices be registered. The list of establishments is made available by the EPA.

Government Publication Date: Mar 30, 2022

Polychlorinated Biphenyl (PCB) Transformers: PCBT

Locations of Transformers Containing Polychlorinated Biphenyls (PCBs) registered with the United States Environmental Protection Agency. PCB transformer owners must register their transformer(s) with EPA. Although not required, PCB transformer owners who have removed and properly disposed of a registered PCB transformer may notify EPA to have their PCB transformer de-registered. Data made available by EPA.

Government Publication Date: Oct 15, 2019

Polychlorinated Biphenyl (PCB) Notifiers: PCB

Facilities included in the national list of facilities that have notified the United States Environmental Protection Agency (EPA) of Polychlorinated Biphenyl (PCB) activities. Any company or person storing, transporting or disposing of PCBs or conducting PCB research and development must notify the EPA and receive an identification number.

Government Publication Date: Nov 3, 2022

State

Drycleaner Environmental Response Program Remediation Sites: PRIORITY CLEAN

Tennessee's Department of Environment and Conservation (TDEC) Division of Remediation operates a program called the Drycleaner Environmental Response Program (DCERP). This program keeps a list of DCERP remediation sites.

Government Publication Date: Mar 27, 2023

Delisted Drycleaner Environmental Response Program Remediation Sites: DELISTED DCER

The list of Drycleaner Environmental Response Program, maintained by the Tennessee's Department of Environment and Conservation Division of Remediation, would remove a record if the program finished the remediation. This list contains all such records that has finished remediation.

Government Publication Date: Dec 20, 2022

Registered Drycleaner Facilities List: DRYCLEANERS

The Drycleaner Environmental Response Program (DCERP) of the Department of Environment and Conservation maintains a list of registered drycleaner facilities.

Government Publication Date: Mar 24, 2023

Delisted Drycleaners List: DELISTED DRYCLEANERS

List of sites removed from the drycleaners database made available by the Department of Environmental and Conservation.

Government Publication Date: Mar 24, 2023

Registry of Contaminated Properties: CDL

The Department of Environment and Conservation (DEC) maintains a registry of all properties reported by a law enforcement agency that have been under order of quarantine for at least sixty (60) days. These properties have been quarantined due to the criminal activities associated with Clandestine Methamphetamine Laboratories (CML). This list is maintained by The Department of Environment and Conservation (TDEC).

Government Publication Date: Mar 1, 2023

Spills, Emergency Response Data: SPILLS

An inventory of spill locations reported to Tennessee Emergency Management Agency. This list made available by Tennessee Emergency Management Agency (TEMA).

Government Publication Date: Jul 22, 2015

Statewide Petroleum Incident Logging Section (SPILS) List: SPILS

Tenneessee's Statewide Petroleum Incident Logging Section (SPILS) is a new program within the Tennessee Department of Environment and Conservation (TDEC)'s Division of Solid Waste Management (DSWM). The SPILS program log incidents along Tennessee's roadways where a reportable quantity of petroleum products is released to the environment, ensuring that appropriate cleanup standards are applied, remediation activities are completed, and final reports detailing the response are received and reviewed.

Government Publication Date: May 16, 2023

Solid Waste Management (SWM) Complaints: SWM COMPLAINT

List of Solid Waste Management (SWM) complaints in the Tennessee Department of Environment & Conservation (TDEC) Dataviewer.

Government Publication Date: Jan 25, 2021

Hazardous Waste Management Facilities: HWM

List of Hazardous Waste Management Facilities made available by Tennessee's Department of Environment and Conservation. Includes Active, Inactive, Closed, Open, Operating, and Not Operating facilities. This is not a complete list of hazardous waste management facilities permits in the state of Tennessee.

Government Publication Date: May 16, 2023

Tribal

No Tribal additional environmental record sources available for this State.

County

No County additional environmental record sources available for this State.

Definitions

Database Descriptions: This section provides a detailed explanation for each database including: source, information available, time coverage, and acronyms used. They are listed in alphabetic order.

Detail Report: This is the section of the report which provides the most detail for each individual record. Records are summarized by location, starting with the project property followed by records in closest proximity.

Distance: The distance value is the distance between plotted points, not necessarily the distance between the sites' boundaries. All values are an approximation.

Direction: The direction value is the compass direction of the site in respect to the project property and/or center point of the report.

Elevation: The elevation value is taken from the location at which the records for the site address have been plotted. All values are an approximation. Source: Google Elevation API.

Executive Summary: This portion of the report is divided into 3 sections:

'Report Summary'- Displays a chart indicating how many records fall on the project property and, within the report search radii.

'Site Report Summary'-Project Property'- This section lists all the records which fall on the project property. For more details, see the 'Detail Report' section.

'Site Report Summary-Surrounding Properties'- This section summarizes all records on adjacent properties, listing them in order of proximity from the project property. For more details, see the 'Detail Report' section.

Map Key: The map key number is assigned according to closest proximity from the project property. Map Key numbers always start at #1. The project property will always have a map key of '1' if records are available. If there is a number in brackets beside the main number, this will indicate the number of records on that specific property. If there is no number in brackets, there is only one record for that property.

The symbol and colour used indicates 'elevation': the red inverted triangle will dictate 'ERIS Sites with Lower Elevation', the yellow triangle will dictate 'ERIS Sites with Higher Elevation' and the orange square will dictate 'ERIS Sites with Same Elevation.'

Unplottables: These are records that could not be mapped due to various reasons, including limited geographic information. These records may or may not be in your study area, and are included as reference.

Appendix D
Physical Setting Documents

PSR
PHYSICAL SETTING REPORT

Property Information

Order Number:		23052600072p
Date Completed:		May 29, 2023
Project Number:		Z000000005
Project Property:		Legends Park Block A Phase I ESA Update (June 2023) Legends Park Block A Memphis TN
Coordinates:		
	Latitude:	35.14925064
	Longitude:	-90.02690963
	UTM Northing:	3893642.33315 Meters
	UTM Easting:	770847.184375 Meters
	UTM Zone:	UTM Zone 15S
	Elevation:	259.42 ft
	Slope Direction:	W

Topographic Information....2
Hydrologic Information....4
Geologic Information....7
Soil Information....9
Wells and Additional Sources....12
  Summary....13
  Detail Report....17
Radon Information....95
Appendix....96
Liability Notice....98

The ERIS ***Physical Setting Report - PSR*** provides comprehensive information about the physical setting around a site and includes a complete overview of topography and surface topology, in addition to hydrologic, geologic and soil characteristics. The location and detailed attributes of oil and gas wells, water wells, public water systems and radon are also included for review.

The compilation of both physical characteristics of a site and additional attribute data is useful in assessing the impact of migration of contaminants and subsequent impact on soils and groundwater.

Disclaimer

This Report does not provide a full environmental evaluation for the site or adjacent properties. Please see the terms and disclaimer at the end of the Report for greater detail.

Topographic Information

Current USGS Topo (2019)

0 0.2 0.4 0.8 Miles

N

Quadrangle(s): Northwest Memphis, TN

Source: USGS 7.5 Minute Topographic Map

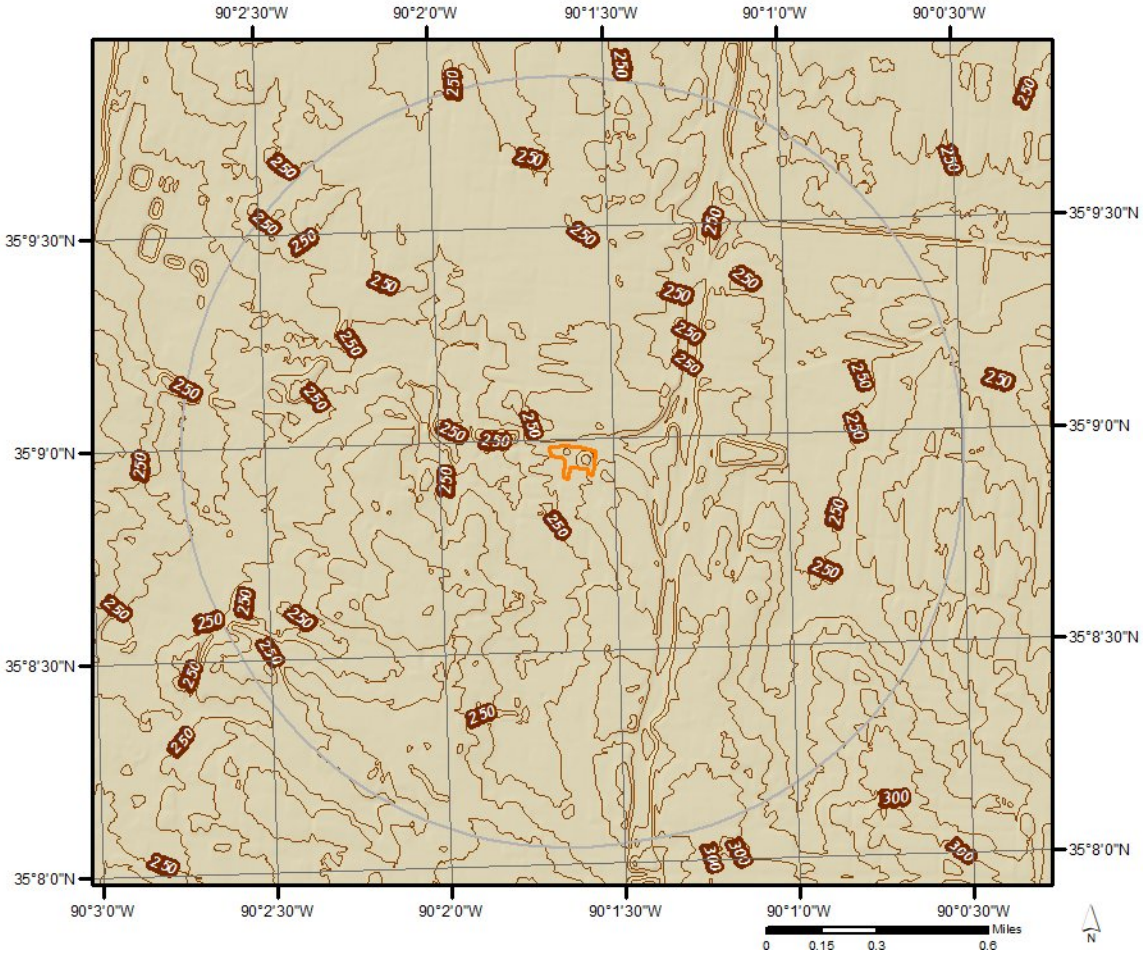
ERIS

Topographic Information

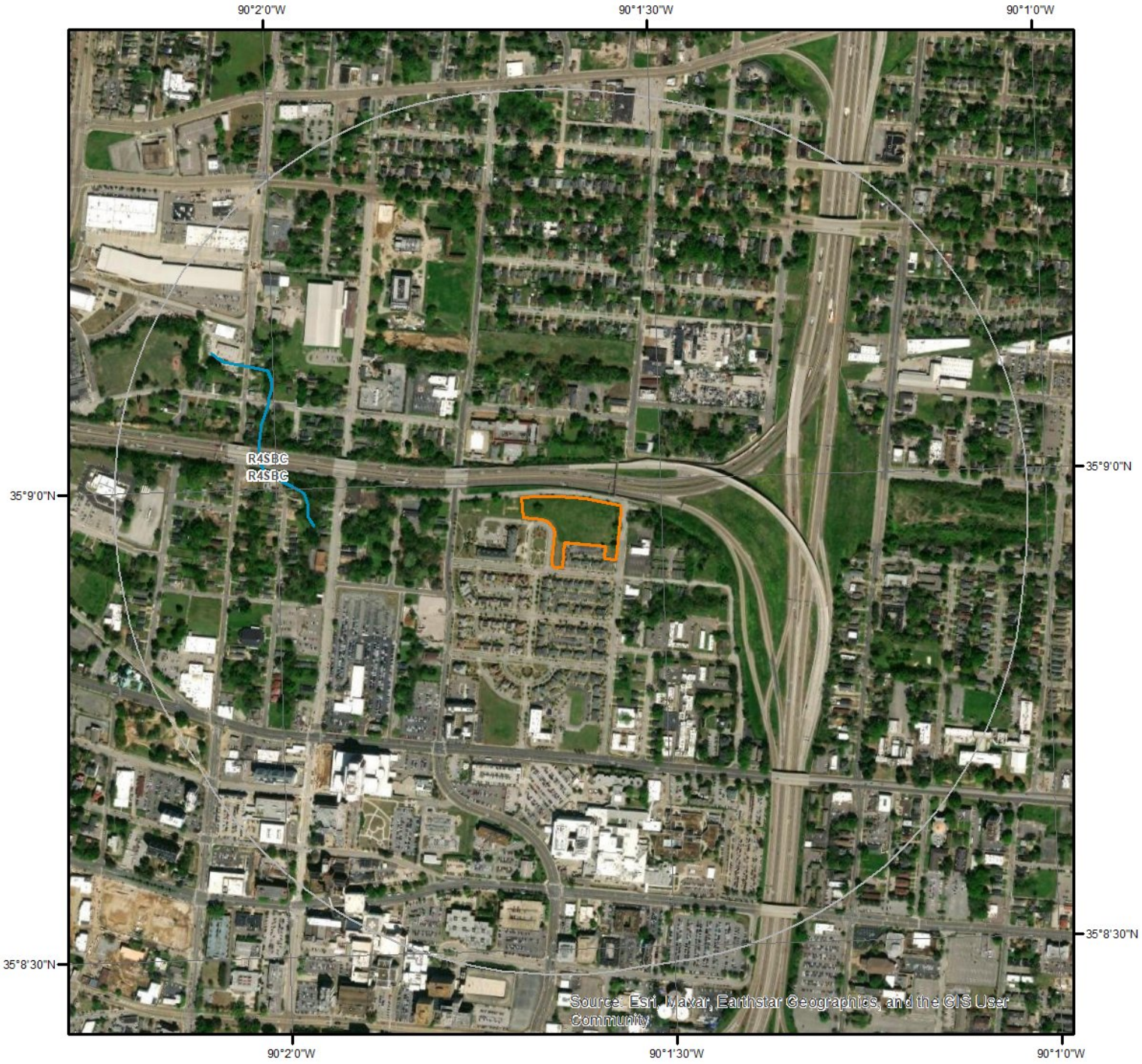
The previous topographic map(s) are created by seamlessly merging and cutting current USGS topographic data. Below are shaded relief map(s), derived from USGS elevation data to show surrounding topography in further detail.

Topographic information at project property:

Elevation:	259.42 ft
Slope Direction:	W



Hydrologic Information



Wetland

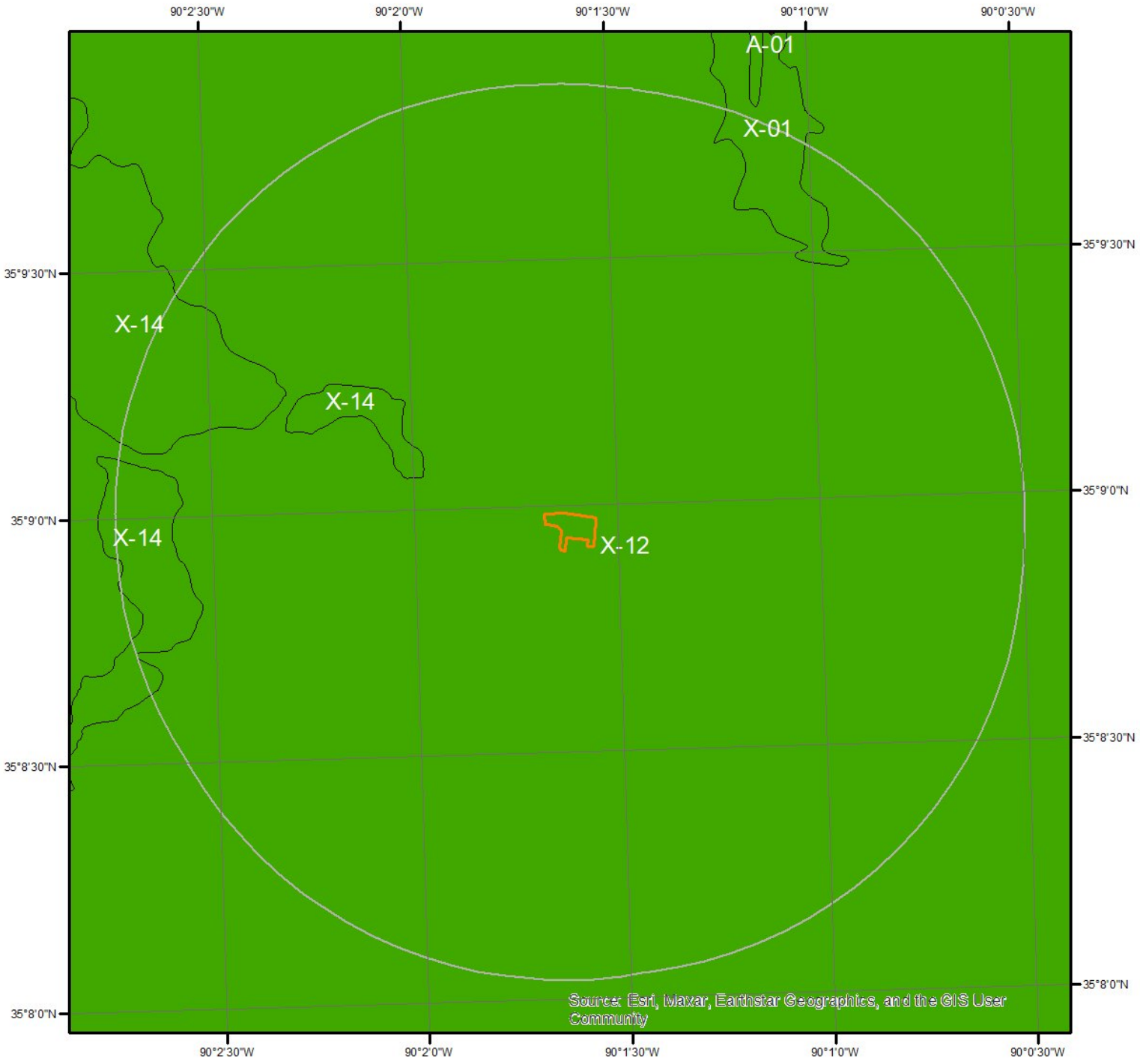
Miles
0 0.075 0.15 0.3
N

This map shows wetland existence using data from US Fish & Wildlife.
Data coverage is shown to the right. Gray indicates no data available in the area.

- Estuarine and Marine Deepwater
- Estuarine and Marine Wetland
- Freshwater Emergent Wetland
- Freshwater Forested/Shrub Wetland
- Freshwater Pond
- Lake
- Other
- Riverine

ERIS

Hydrologic Information



Flood Hazard Zones

Miles
0 0.2 0.4

This map shows FEMA flood hazard zones. FIRM panels are shown to the right, and blank indicates no data is available.

A	AO	X
A99	V	OPEN WATER
AE	VE	NOT POPULATED
AH	D	AREA NOT INCLUDED

N

47157C0270F
05035C0375E

Quadrangle(s): Northwest Memphis,TN

ERIS

Hydrologic Information

The Wetland Type map shows wetland existence overlaid on an aerial imagery. The Flood Hazard Zones map shows FEMA flood hazard zones overlaid on an aerial imagery. Relevant FIRM panels and detailed zone information is provided below.
For detailed Zone descriptions please click the link: https://floodadvocate.com/fema-zone-definitions

Available FIRM Panels in area:	47157C0270F(effective:2007-09-28) 05035C0375E(effective:2011-05-03)

Flood Zone X-01

Zone:	X
Zone subtype:	0.2 PCT ANNUAL CHANCE FLOOD HAZARD

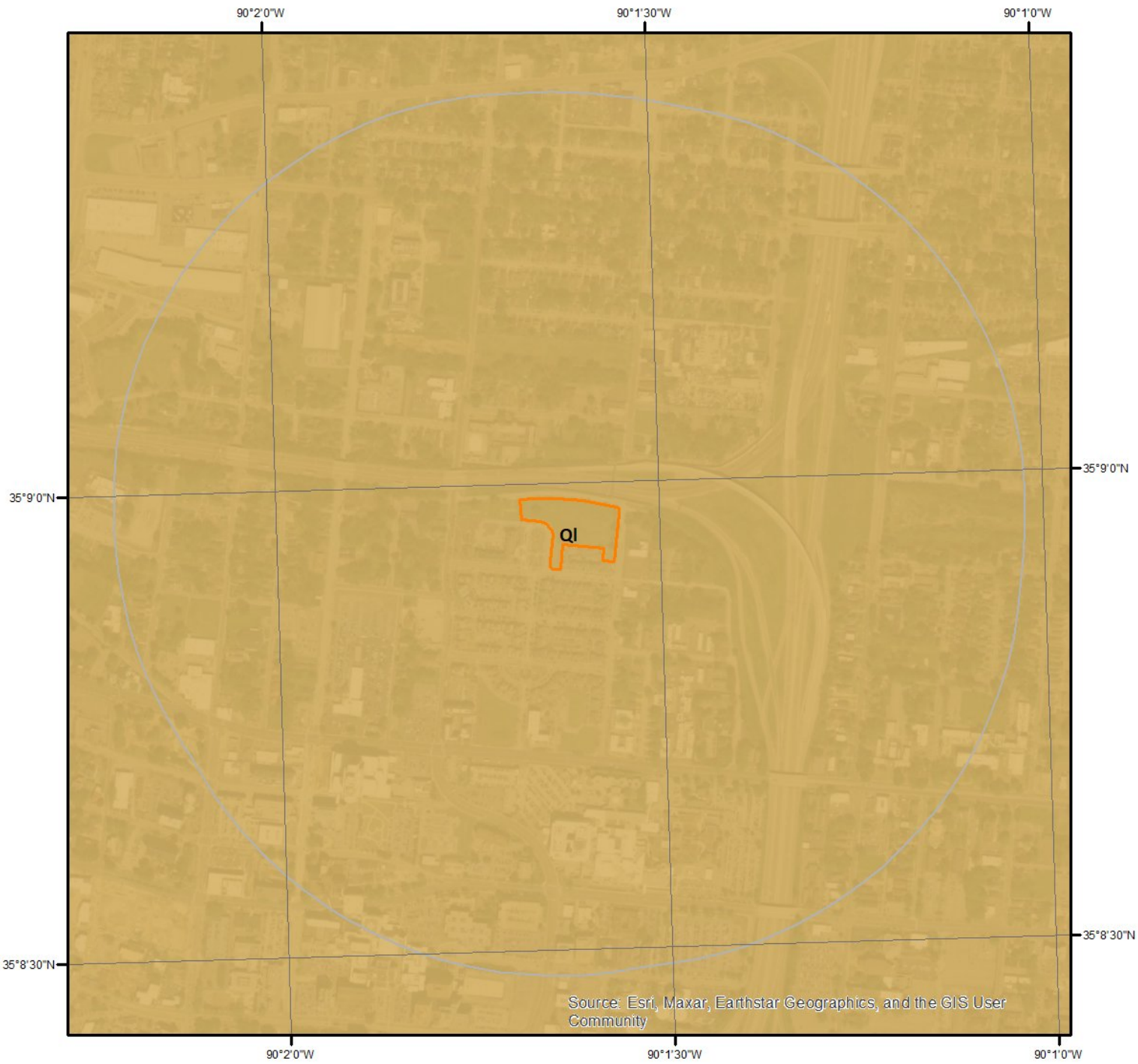
Flood Zone X-12

Zone:	X
Zone subtype:	AREA OF MINIMAL FLOOD HAZARD

Flood Zone X-14

Zone:	X
Zone subtype:	AREA WITH REDUCED FLOOD RISK DUE TO LEVEE

Geologic Information



0 0.225 0.45 Miles

N

Geologic Units

This maps shows geologic units in the area. Please refer to the report for detailed descriptions.

ERIS

0 0.3 0.6 Miles

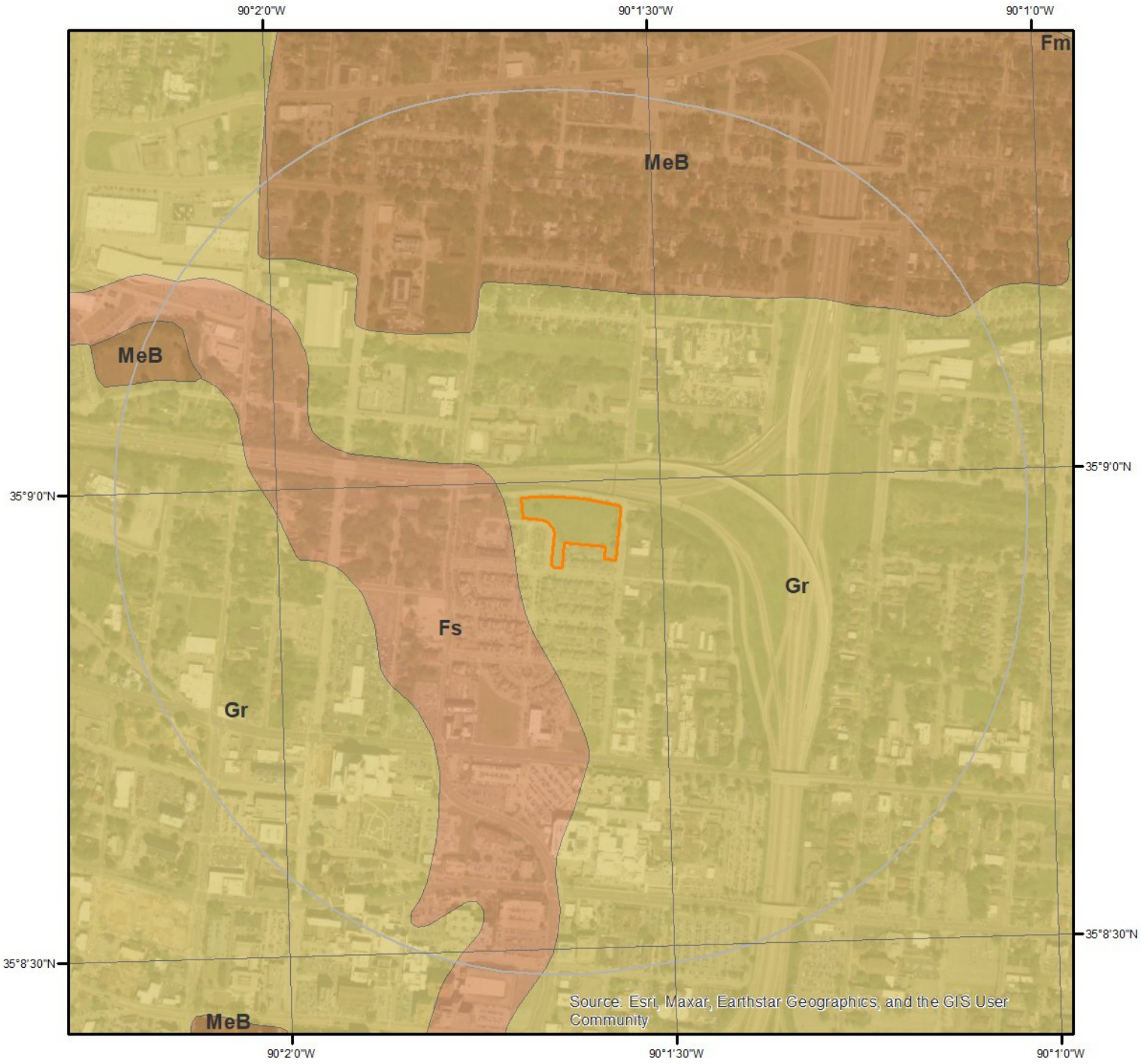
Geologic Information

The previous page shows USGS geology information. Detailed information about each unit is provided below.

Geologic Unit Ql

Unit Name:	Loess
Unit Age:	Quaternary
Primary Rock Type:	silt
Secondary Rock Type:	
Unit Description:	Loess - Clayey and sandy silt, gray to brown, massive. Maximum thickness about 100 feet along bluffs of Mississippi River; thins eastward. (Minimum mapped thickness 4 feet.)

Soil Information



SSURGO Soils

0 0.2 0.4 Miles N

This maps shows SSURGO soil units around the target property. Please refer to the report for detailed soil descriptions.

ERIS

Soil Information

The previous page shows a soil map using SSURGO data from USDA Natural Resources Conservation Service. Detailed information about each unit is provided below.

Map Unit Fs (4.2%)

Map Unit Name:	Filled land, silty (udorthent, silty)
Bedrock Depth - Min:	
Watertable Depth - Annual Min:	
Drainage Class - Dominant:	Well drained
Hydrologic Group - Dominant:	
Major components are printed below	
Udorthents, silty(100%)	
horizon H1(0cm to 152cm)	Silt loam

Component Description:

Minor map unit components are excluded from this report.

Map Unit: Fs - Filled land, silty (udorthent, silty)

Component: Udorthents, silty (100%)
Generated brief soil descriptions are created for major soil components. The Udorthents, silty is a miscellaneous area.

Map Unit Gr (36.61%)

Map Unit Name:	Graded land, silty materials(udorthent, silty)
Bedrock Depth - Min:	
Watertable Depth - Annual Min:	
Drainage Class - Dominant:	Well drained
Hydrologic Group - Dominant:	
Major components are printed below	
Udorthents, silty(100%)	
horizon H1(0cm to 152cm)	Silt loam

Component Description:

Minor map unit components are excluded from this report.

Map Unit: Gr - Graded land, silty materials(udorthent, silty)

Component: Udorthents, silty (100%)
Generated brief soil descriptions are created for major soil components. The Udorthents, silty is a miscellaneous area.

Map Unit MeB (59.19%)

Map Unit Name:	Memphis silt loam, 2 to 5 percent slopes, northern phase
Bedrock Depth - Min:	
Watertable Depth - Annual Min:	
Drainage Class - Dominant:	Well drained
Hydrologic Group - Dominant:	B - Soils in this group have moderately low runoff potential when thoroughly wet. Water transmission through the soil is unimpeded.
Major components are printed below	

Soil Information

Memphis(100%)

horizon Ap(0cm to 18cm)	Silt loam
horizon Bt1(18cm to 46cm)	Silty clay loam
horizon Bt2(46cm to 188cm)	Silt loam
horizon C(188cm to 274cm)	Silt loam

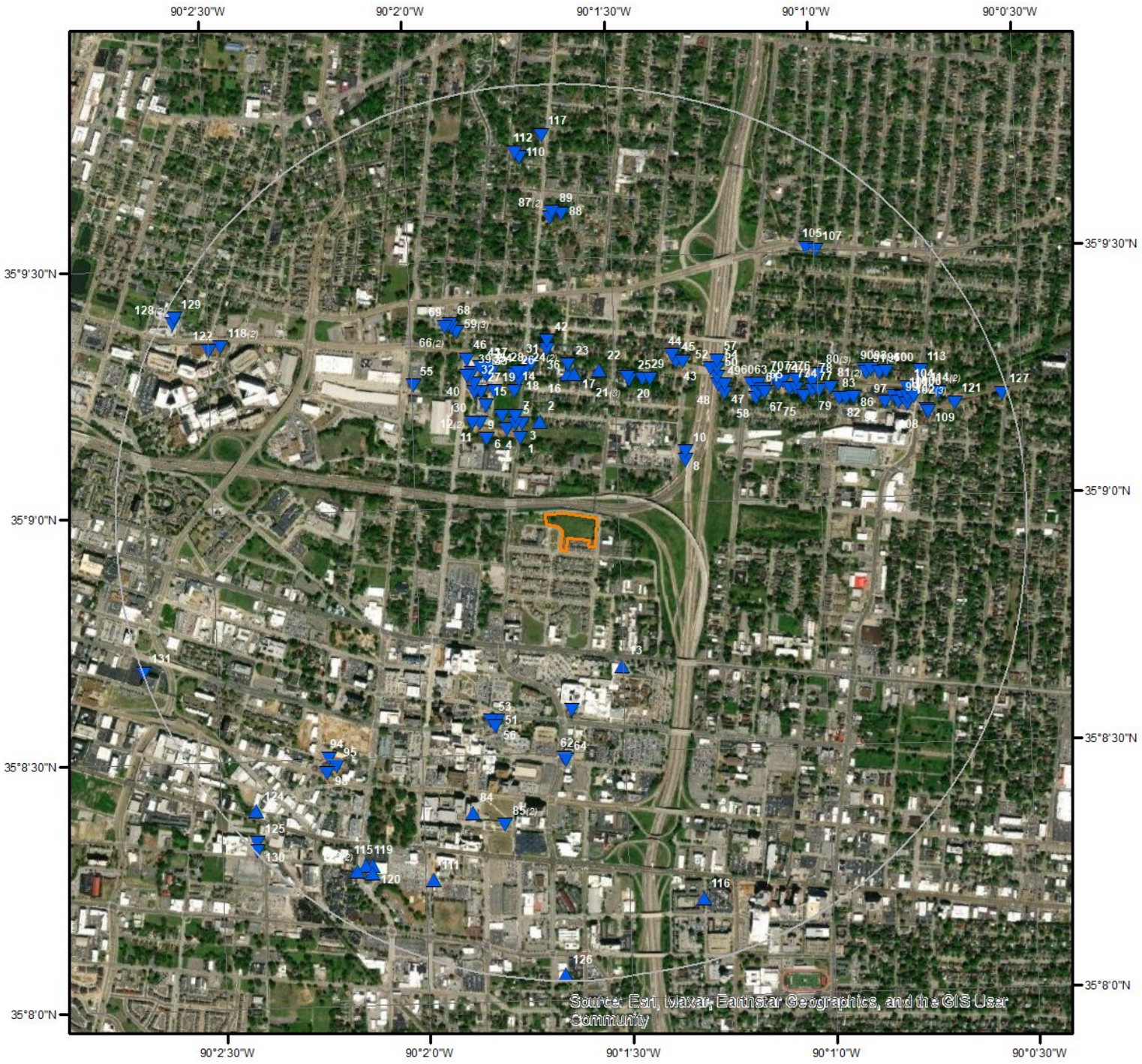
Component Description:

Minor map unit components are excluded from this report.

Map Unit: MeB - Memphis silt loam, 2 to 5 percent slopes, northern phase

Component: Memphis (100%)
The Memphis component makes up 100 percent of the map unit. Slopes are 2 to 5 percent. This component is on loess hills on plains. The parent material consists of fine-silty noncalcareous loess. Depth to a root restrictive layer is greater than 60 inches. The natural drainage class is well drained. Water movement in the most restrictive layer is moderately high. Available water to a depth of 60 inches (or restricted depth) is very high. Shrink-swell potential is low. This soil is not flooded. It is not ponded. There is no zone of water saturation within a depth of 72 inches. Organic matter content in the surface horizon is about 2 percent. This component is in the F134XY002AL Northern Deep Loess Summit - Provisional ecological site. Nonirrigated land capability classification is 2e. This soil does not meet hydric criteria.

Wells and Additional Sources



Wells & Additional Sources

N

0 0.15 0.3 0.6 Miles

- Sites with Higher Elevation
- Sites with Same Elevation
- Sites with Lower Elevation
- Sites with Unknown Elevation
- OGW Sites with Higher Elevation
- OGW Sites with Same Elevation
- OGW Sites with Lower Elevation
- OGW Sites with Unknown Elevation

ERIS

Wells and Additional Sources Summary

Federal Sources

Public Water Systems Violations and Enforcement Data

Map Key	PWS ID	Distance (ft)	Direction
116	TN0008230	4524.11	SSE

Safe Drinking Water Information System (SDWIS)

Map Key	ID	Distance (ft)	Direction
	No records found		

USGS National Water Information System

Map Key	Site Number	Distance (ft)	Direction
1	USGS-350908090014401	979.67	NNW
2	USGS-350910090014101	1144.60	NNW
4	USGS-350909090014601	1130.10	NW
6	USGS-350908090014901	1163.80	NW
11	USGS-350910090015001	1377.36	NW
12	USGS-350910090015101	1425.21	NW
12	USGS-350910090015102	1425.21	NW
13	USGS-350840090013001	1501.91	SSE
15	USGS-350912090014901	1510.26	NW
18	USGS-350915090014401	1672.10	NNW
21	USGS-350915090012804	1772.49	NNE
21	USGS-350915090012801	1772.49	NNE
21	USGS-350915090012800	1772.49	NNE
22	USGS-350916090013201	1799.33	N
24	USGS-350916090014302	1761.43	NNW
24	USGS-350916090014301	1761.43	NNW
28	USGS-350916090014401	1772.04	NNW
31	USGS-350917090014201	1855.68	NNW
34	USGS-350916090014801	1851.55	NNW
35	USGS-350916090014901	1880.11	NNW
39	USGS-350916090015100	1946.60	NNW
39	USGS-350916090015101	1946.60	NNW
44	USGS-350917090012000	2207.06	NNE
56	USGS-350833090014901	2318.26	SSW
58	USGS-350912090010901	2454.78	NE
59	USGS-350921090015302	2475.25	NNW
59	USGS-350921090015301	2475.25	NNW
59	USGS-350921090015300	2475.25	NNW
62	USGS-350829090013901	2545.42	S
65	USGS-350913090100801	2581.30	NE
68	USGS-350922090015401	2601.81	NNW
70	USGS-350914090010601	2775.21	NE
72	USGS-350914090010503	2842.99	NE
73	USGS-350913090010401	2856.34	ENE
74	USGS-350913090010302	2926.96	ENE
75	USGS-350914090010501	2948.12	ENE
76	USGS-350914090010301	2980.86	ENE
81	USGS-350913090005801	3288.80	ENE
81	USGS-350913090005802	3288.80	ENE
85	USGS-350821090014801	3451.05	SSW
85	USGS-350821090014800	3451.05	SSW

88	USGS-350935090013701	3672.53	N
89	USGS-350936090013901	3697.97	N
90	USGS-350915090005302	3750.72	ENE
92	USGS-350911090005001	3815.42	ENE
93	USGS-350915090005201	3824.68	ENE
98	USGS-350829090021401	3971.02	SW
99	USGS-350911090004803	3971.74	ENE
99	USGS-350911090004801	3971.74	ENE
101	USGS-350912090004801	4032.50	ENE
105	USGS-350930090010101	4197.80	NE
108	USGS-350910090004401	4256.50	ENE
110	USGS-350942090014301	4385.71	N
114	USGS-350912090004200	4476.06	ENE
114	USGS-350912090004201	4476.06	ENE
118	USGS-350920090022801	4476.56	WNW
118	USGS-350920090022800	4476.56	WNW
123	USGS-350816090021000	4672.72	SSW
123	USGS-350816090021001	4672.72	SSW
128	USGS-350923090023501	5132.41	WNW
128	USGS-350923090023500	5132.41	WNW

Wells from NWIS

Map Key	ID	Distance (ft)	Direction
	No records found		

State Sources

County Water Wells

Map Key	Well No	Distance (ft)	Direction
3	15709651	1137.89	NNW
5	15709608	1158.30	NNW
7	15709607	1255.83	NNW
8	15709519	1305.92	ENE
9	15709711	1308.44	NNW
10	15709518	1361.49	NE
14	15709671	1550.93	NNW
16	15709615	1720.04	N
17	15709616	1726.47	N
19	15709648	1621.29	NNW
20	15709726	1747.90	NNE
23	15709663	1821.13	N
25	15709617	1798.57	NNE
26	20082152	1749.11	NNW
27	15709675	1687.20	NW
29	15709618	1829.09	NNE
30	15709649	1725.09	NW
32	15709650	1814.74	NW
33	15709653	1839.75	NNW
36	15709614	2018.68	N
37	15709611	1934.68	NNW
38	15709576	1969.01	S
40	15709712	1942.54	NW
41	15709610	1964.42	NNW
42	15709613	2119.92	N
43	15709620	2156.10	NNE
45	15709619	2197.41	NNE
46	20171720	2123.81	NNW
47	15709622	2195.81	NE

48	15709666	2207.57	NE
49	15709621	2265.76	NE
50	15701038	2281.65	NE
51	15709563	2244.61	SSW
52	15709652	2304.40	NE
53	15709564	2277.69	SSW
54	15709605	2357.48	NE
55	15701028	2254.15	NW
57	15709606	2435.40	NE
60	15709624	2513.32	NE
61	20161087	2516.71	NE
63	15709623	2577.97	NE
64	15709690	2577.16	S
66	15709612	2560.79	NNW
66	15709720	2560.79	NNW
67	15709722	2584.18	NE
69	15709658	2596.53	NNW
71	15709727	2778.45	NE
77	15709625	3077.73	ENE
78	15709660	3128.02	ENE
79	15709626	3150.47	ENE
80	15701030	3251.17	ENE
80	15701037	3251.17	ENE
80	15701029	3251.17	ENE
82	15709715	3328.79	ENE
83	15709628	3404.26	ENE
84	15709504	3402.10	SSW
86	15709627	3480.33	ENE
87	15709667	3637.06	N
87	20041112	3637.06	N
91	15709719	3760.03	ENE
91	15709723	3760.03	ENE
94	15709549	3838.71	SW
95	15709548	3843.25	SW
96	15709630	3908.96	ENE
97	15709714	3942.51	ENE
100	15709629	3984.07	ENE
102	20172132	4065.19	ENE
102	15709581	4065.19	ENE
102	20161086	4065.19	ENE
103	15709631	4098.28	ENE
104	15709632	4133.69	ENE
106	15709665	4176.60	ENE
107	15709600	4243.69	NE
109	15709729	4273.29	ENE
111	15709517	4338.51	SSW
112	15709668	4456.72	N
113	15701036	4363.71	ENE
115	15709514	4508.94	SSW
117	15709661	4648.72	N
119	15709512	4554.25	SSW
120	15709513	4594.45	SSW
121	15709633	4620.63	ENE
122	15709496	4583.78	WNW
124	15709547	4930.03	SW
125	15709495	5193.63	SW
126	15709569	5208.51	S
127	15709634	5207.55	ENE
129	15709681	5142.05	WNW
130	15709591	5262.40	SW
131	15709575	5263.00	WSW

Oil and Gas Wells

Map Key	ID	Distance (ft)	Direction

Wells and Additional Sources Summary

No records found

Public Water Systems Violations and Enforcement Data

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
116	SSE	0.86	4,524.11	288.97	PWSV

Address Line 2:
State Code: TN
Zip Code: 38104
City Name: MEMPHIS
Address Line 1: 205 PASADENA PLACE
PWS ID: TN0008230
PWS Type Code: CWS
PWS Type Description: Community Water System
Primary Source Code: GWP
Primary Source Desc: Purchased groundwater
PWS Activity Code: I
PWS Activity Description: Inactive
PWS Deactivation Date: 19/04/2007
Phone Number:

--Details--
Population Served Count: 572
City Served:
County Served: Shelby
State Served: TN
Zip Code Served:

USGS National Water Information System

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
1	NNW	0.19	979.67	254.83	FED USGS

Reporting Agency: USGS Tennessee Water Science Center
Site Number: USGS-350908090014401
Station Name: SH:O-172
Site Type: Well
Latitude: 35.15231190000000
Longitude: -90.0289795000000
Date Drilled:
Well Depth: 1389
Well Depth Unit: ft
Well Hole Depth: 1389
W Hole Depth Unit: ft
Formation Type: Fort Pillow Sand of Wilcox Group

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
2	NNW	0.22	1,144.60	262.85	FED USGS

Reporting Agency:	USGS Tennessee Water Science Center
Site Number:	USGS-350910090014101
Station Name:	SH:O-219
Site Type:	Well
Latitude:	35.15286746000000
Longitude:	-90.0281461900000
Date Drilled:	19730821
Well Depth:	797
Well Depth Unit:	ft
Well Hole Depth:	859
W Hole Depth Unit:	ft
Formation Type:	Memphis Sand

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
4	NW	0.21	1,130.10	255.01	FED USGS

Reporting Agency:	USGS Tennessee Water Science Center
Site Number:	USGS-350909090014601
Station Name:	SH:O-169
Site Type:	Well
Latitude:	35.15258969000000
Longitude:	-90.0295351000000
Date Drilled:	
Well Depth:	2634
Well Depth Unit:	ft
Well Hole Depth:	2656
W Hole Depth Unit:	ft
Formation Type:	McNairy Formation

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
6	NW	0.22	1,163.80	253.01	FED USGS

Reporting Agency:	USGS Tennessee Water Science Center
Site Number:	USGS-350908090014901
Station Name:	Sh:O-129 DUP
Site Type:	Well
Latitude:	35.15231190000000
Longitude:	-90.0303685000000
Date Drilled:	
Well Depth:	477
Well Depth Unit:	ft
Well Hole Depth:	
W Hole Depth Unit:	

Formation Type: Memphis Sand

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
11	NW	0.26	1,377.36	249.04	FED USGS

Reporting Agency: USGS Tennessee Water Science Center
Site Number: USGS-350910090015001
Station Name: SH:O-197
Site Type: Well
Latitude: 35.15286747000000
Longitude: -90.0306463000000
Date Drilled:
Well Depth: 575
Well Depth Unit: ft
Well Hole Depth: 575
W Hole Depth Unit: ft
Formation Type: Memphis Sand

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
12	NW	0.27	1,425.21	251.32	FED USGS

Reporting Agency: USGS Tennessee Water Science Center
Site Number: USGS-350910090015101
Station Name: SH:O-170 DUP
Site Type: Well
Latitude: 35.15286748000000
Longitude: -90.0309240000000
Date Drilled:
Well Depth:
Well Depth Unit:
Well Hole Depth:
W Hole Depth Unit:
Formation Type: McNairy Formation

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
12	NW	0.27	1,425.21	251.32	FED USGS

Reporting Agency: USGS Tennessee Water Science Center
Site Number: USGS-350910090015102
Station Name: Sh:O-170
Site Type: Well
Latitude: 35.15286748000000
Longitude: -90.0309240000000
Date Drilled: 19251201
Well Depth: 1381

Well Depth Unit: ft
Well Hole Depth: 1384
W Hole Depth Unit: ft
Formation Type: Fort Pillow Sand of Wilcox Group

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
13	SSE	0.28	1,501.91	260.63	FED USGS

Reporting Agency: USGS Tennessee Water Science Center
Site Number: USGS-350840090013001
Station Name: SH:O-200
Site Type: Well
Latitude: 35.14453427000000
Longitude: -90.0250906000000
Date Drilled:
Well Depth: 49
Well Depth Unit: ft
Well Hole Depth:
W Hole Depth Unit:
Formation Type:

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
15	NW	0.29	1,510.26	246.59	FED USGS

Reporting Agency: USGS Tennessee Water Science Center
Site Number: USGS-350912090014901
Station Name: SH:O-129
Site Type: Well
Latitude: 35.15342300000000
Longitude: -90.0303685000000
Date Drilled:
Well Depth: 477
Well Depth Unit: ft
Well Hole Depth:
W Hole Depth Unit:
Formation Type: Memphis Sand

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
18	NNW	0.32	1,672.10	254.96	FED USGS

Reporting Agency: USGS Tennessee Water Science Center
Site Number: USGS-350915090014401
Station Name: SH:O-193
Site Type: Well
Latitude: 35.15425630000000

Longitude: -90.0289795000000
Date Drilled:
Well Depth: 536
Well Depth Unit: ft
Well Hole Depth: 536
W Hole Depth Unit: ft
Formation Type:

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
21	NNE	0.34	1,772.49	258.95	FED USGS

Reporting Agency: USGS Tennessee Water Science Center
Site Number: USGS-350915090012804
Station Name: SH:O-225
Site Type: Well
Latitude: 35.15425630000000
Longitude: -90.0245350000000
Date Drilled:
Well Depth:
Well Depth Unit:
Well Hole Depth: 829
W Hole Depth Unit: ft
Formation Type:

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
21	NNE	0.34	1,772.49	258.95	FED USGS

Reporting Agency: USGS Tennessee Water Science Center
Site Number: USGS-350915090012801
Station Name: SH:O-211
Site Type: Well
Latitude: 35.15425630000000
Longitude: -90.0245350000000
Date Drilled:
Well Depth: 716
Well Depth Unit: ft
Well Hole Depth:
W Hole Depth Unit:
Formation Type:

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
21	NNE	0.34	1,772.49	258.95	FED USGS

Reporting Agency: USGS Tennessee Water Science Center
Site Number: USGS-350915090012800

Wells and Additional Sources Detail Report

Station Name:	SH:O-211 DUP
Site Type:	Well
Latitude:	35.15425630000000
Longitude:	-90.0245350000000
Date Drilled:	
Well Depth:	716
Well Depth Unit:	ft
Well Hole Depth:	
W Hole Depth Unit:	
Formation Type:	Claiborne Group

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
22	N	0.34	1,799.33	260.83	FED USGS

Reporting Agency:	USGS Tennessee Water Science Center
Site Number:	USGS-350916090013201
Station Name:	SH:O-185
Site Type:	Well
Latitude:	35.15453408000000
Longitude:	-90.0256461000000
Date Drilled:	
Well Depth:	1357
Well Depth Unit:	ft
Well Hole Depth:	
W Hole Depth Unit:	
Formation Type:	Fort Pillow Sand of Wilcox Group

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
24	NNW	0.33	1,761.43	253.74	FED USGS

Reporting Agency:	USGS Tennessee Water Science Center
Site Number:	USGS-350916090014302
Station Name:	SH:O-128
Site Type:	Well
Latitude:	35.15453410000000
Longitude:	-90.0287018000000
Date Drilled:	
Well Depth:	508
Well Depth Unit:	ft
Well Hole Depth:	
W Hole Depth Unit:	
Formation Type:	Memphis Sand

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
24	NNW	0.33	1,761.43	253.74	FED USGS

Reporting Agency: USGS Tennessee Water Science Center
Site Number: USGS-350916090014301
Station Name: SH:O-125
Site Type: Well
Latitude: 35.15453410000000
Longitude: -90.0287018000000
Date Drilled:
Well Depth: 476
Well Depth Unit: ft
Well Hole Depth:
W Hole Depth Unit:
Formation Type: Memphis Sand

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
28	NNW	0.34	1,772.04	255.36	FED USGS

Reporting Agency: USGS Tennessee Water Science Center
Site Number: USGS-350916090014401
Station Name: SH:O-173
Site Type: Well
Latitude: 35.15453410000000
Longitude: -90.0289795000000
Date Drilled:
Well Depth: 1391
Well Depth Unit: ft
Well Hole Depth: 1395
W Hole Depth Unit: ft
Formation Type: Fort Pillow Sand of Wilcox Group

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
31	NNW	0.35	1,855.68	255.45	FED USGS

Reporting Agency: USGS Tennessee Water Science Center
Site Number: USGS-350917090014201
Station Name: SH:O-201
Site Type: Well
Latitude: 35.15481187000000
Longitude: -90.0284240000000
Date Drilled:
Well Depth:
Well Depth Unit:
Well Hole Depth: 555
W Hole Depth Unit: ft
Formation Type:

Wells and Additional Sources Detail Report

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
34	NNW	0.35	1,851.55	256.78	FED USGS

Reporting Agency:	USGS Tennessee Water Science Center
Site Number:	USGS-350916090014801
Station Name:	SH:O-174
Site Type:	Well
Latitude:	35.15453410000000
Longitude:	-90.0300907000000
Date Drilled:	
Well Depth:	1398
Well Depth Unit:	ft
Well Hole Depth:	
W Hole Depth Unit:	
Formation Type:	Fort Pillow Sand of Wilcox Group

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
35	NNW	0.36	1,880.11	256.40	FED USGS

Reporting Agency:	USGS Tennessee Water Science Center
Site Number:	USGS-350916090014901
Station Name:	SH:O-244
Site Type:	Well
Latitude:	35.15453410000000
Longitude:	-90.0303685000000
Date Drilled:	
Well Depth:	93.0
Well Depth Unit:	ft
Well Hole Depth:	107
W Hole Depth Unit:	ft
Formation Type:	Terrace Deposits

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
39	NNW	0.37	1,946.60	251.62	FED USGS

Reporting Agency:	USGS Tennessee Water Science Center
Site Number:	USGS-350916090015100
Station Name:	SH:O-220
Site Type:	Well
Latitude:	35.15453410000000
Longitude:	-90.0309240000000
Date Drilled:	
Well Depth:	
Well Depth Unit:	
Well Hole Depth:	

W Hole Depth Unit:
Formation Type:

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
39	NNW	0.37	1,946.60	251.62	FED USGS

Reporting Agency: USGS Tennessee Water Science Center
Site Number: USGS-350916090015101
Station Name: SH:O-220 DUP
Site Type: Well
Latitude: 35.15453410000000
Longitude: -90.0309240000000
Date Drilled:
Well Depth:
Well Depth Unit:
Well Hole Depth: 854
W Hole Depth Unit: ft
Formation Type:

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
44	NNE	0.42	2,207.06	251.07	FED USGS

Reporting Agency: USGS Tennessee Water Science Center
Site Number: USGS-350917090012000
Station Name: Sh:O-231
Site Type: Well
Latitude: 35.15494238000000
Longitude: -90.0226433000000
Date Drilled: 196707
Well Depth: 523
Well Depth Unit: ft
Well Hole Depth: 557
W Hole Depth Unit: ft
Formation Type: Memphis Sand

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
56	SSW	0.44	2,318.26	255.99	FED USGS

Reporting Agency: USGS Tennessee Water Science Center
Site Number: USGS-350833090014901
Station Name: SH:O-082
Site Type: Well
Latitude: 35.14258990000000
Longitude: -90.0303685000000
Date Drilled:

Well Depth: 397
Well Depth Unit: ft
Well Hole Depth: 480
W Hole Depth Unit: ft
Formation Type:

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
58	NE	0.46	2,454.78	256.26	FED USGS

Reporting Agency: USGS Tennessee Water Science Center
Site Number: USGS-350912090010901
Station Name: SH:O-143
Site Type: Well
Latitude: 35.15342295000000
Longitude: -90.0192570000000
Date Drilled:
Well Depth: 383
Well Depth Unit: ft
Well Hole Depth: 574
W Hole Depth Unit: ft
Formation Type:

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
59	NNW	0.47	2,475.25	255.87	FED USGS

Reporting Agency: USGS Tennessee Water Science Center
Site Number: USGS-350921090015302
Station Name: SH:O-132
Site Type: Well
Latitude: 35.15592297000000
Longitude: -90.0314796000000
Date Drilled:
Well Depth: 1349
Well Depth Unit: ft
Well Hole Depth: 1387
W Hole Depth Unit: ft
Formation Type:

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
59	NNW	0.47	2,475.25	255.87	FED USGS

Reporting Agency: USGS Tennessee Water Science Center
Site Number: USGS-350921090015301
Station Name: SH:O-179 Observation
Site Type: Well

Latitude: 35.15592297000000
Longitude: -90.0314796000000
Date Drilled:
Well Depth:
Well Depth Unit:
Well Hole Depth:
W Hole Depth Unit:
Formation Type: Fort Pillow Sand of Wilcox Group

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
59	NNW	0.47	2,475.25	255.87	FED USGS

Reporting Agency: USGS Tennessee Water Science Center
Site Number: USGS-350921090015300
Station Name: Sh:O-179
Site Type: Well
Latitude: 35.155923
Longitude: -90.0314796
Date Drilled:
Well Depth: 472
Well Depth Unit: ft
Well Hole Depth: 482
W Hole Depth Unit: ft
Formation Type: Claiborne Group

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
62	S	0.48	2,545.42	251.70	FED USGS

Reporting Agency: USGS Tennessee Water Science Center
Site Number: USGS-350829090013901
Station Name: SH:O-217
Site Type: Well
Latitude: 35.14147879000000
Longitude: -90.0275906900000
Date Drilled:
Well Depth: 65
Well Depth Unit: ft
Well Hole Depth:
W Hole Depth Unit:
Formation Type: Terrace Deposits

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
65	NE	0.49	2,581.30	255.58	FED USGS

Reporting Agency: USGS Tennessee Water Science Center

Wells and Additional Sources Detail Report

Site Number:	USGS-350913090100801
Station Name:	Sh:O-207
Site Type:	Well
Latitude:	35.15370070000000
Longitude:	-90.0189793000000
Date Drilled:	19720316
Well Depth:	758.5
Well Depth Unit:	ft
Well Hole Depth:	790
W Hole Depth Unit:	ft
Formation Type:	Memphis Sand

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
68	NNW	0.49	2,601.81	251.39	FED USGS

Reporting Agency:	USGS Tennessee Water Science Center
Site Number:	USGS-350922090015401
Station Name:	SH:O-204
Site Type:	Well
Latitude:	35.15620075000000
Longitude:	-90.0317574000000
Date Drilled:	
Well Depth:	
Well Depth Unit:	
Well Hole Depth:	510
W Hole Depth Unit:	ft
Formation Type:	

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
70	NE	0.53	2,775.21	251.33	FED USGS

Reporting Agency:	USGS Tennessee Water Science Center
Site Number:	USGS-350914090010601
Station Name:	Sh:O-212
Site Type:	Well
Latitude:	35.15397849000000
Longitude:	-90.0184237000000
Date Drilled:	
Well Depth:	742
Well Depth Unit:	ft
Well Hole Depth:	760
W Hole Depth Unit:	ft
Formation Type:	Memphis Sand

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
72	NE	0.54	2,842.99	249.60	FED USGS

Reporting Agency:	USGS Tennessee Water Science Center
Site Number:	USGS-350914090010503
Station Name:	SH:O-181 DUP
Site Type:	Well
Latitude:	35.15397849000000
Longitude:	-90.0181459000000
Date Drilled:	
Well Depth:	1373
Well Depth Unit:	ft
Well Hole Depth:	1373
W Hole Depth Unit:	ft
Formation Type:	Wilcox Group

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
73	ENE	0.54	2,856.34	249.43	FED USGS

Reporting Agency:	USGS Tennessee Water Science Center
Site Number:	USGS-350913090010401
Station Name:	Sh:O-238
Site Type:	Well
Latitude:	35.15370070000000
Longitude:	-90.0178682000000
Date Drilled:	19630429
Well Depth:	517
Well Depth Unit:	ft
Well Hole Depth:	517
W Hole Depth Unit:	ft
Formation Type:	Memphis Sand

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
74	ENE	0.55	2,926.96	250.92	FED USGS

Reporting Agency:	USGS Tennessee Water Science Center
Site Number:	USGS-350913090010302
Station Name:	Sh:O-229
Site Type:	Well
Latitude:	35.15370070000000
Longitude:	-90.0175904000000
Date Drilled:	1977
Well Depth:	120
Well Depth Unit:	ft
Well Hole Depth:	120.5
W Hole Depth Unit:	ft
Formation Type:	Terrace Deposits

Wells and Additional Sources Detail Report

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
75	ENE	0.56	2,948.12	249.47	FED USGS

Reporting Agency:	USGS Tennessee Water Science Center
Site Number:	USGS-350914090010501
Station Name:	SH:O-181
Site Type:	Well
Latitude:	35.15342294000000
Longitude:	-90.0173126000000
Date Drilled:	19410530
Well Depth:	1376.4
Well Depth Unit:	ft
Well Hole Depth:	1377
W Hole Depth Unit:	ft
Formation Type:	Fort Pillow Sand of Wilcox Group

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
76	ENE	0.56	2,980.86	247.75	FED USGS

Reporting Agency:	USGS Tennessee Water Science Center
Site Number:	USGS-350914090010301
Station Name:	Sh:O-228
Site Type:	Well: Extensometer well
Latitude:	35.15397848000000
Longitude:	-90.0175904000000
Date Drilled:	19771020
Well Depth:	1100
Well Depth Unit:	ft
Well Hole Depth:	1100
W Hole Depth Unit:	ft
Formation Type:	

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
81	ENE	0.62	3,288.80	243.31	FED USGS

Reporting Agency:	USGS Tennessee Water Science Center
Site Number:	USGS-350913090005801
Station Name:	SH:O-223
Site Type:	Well
Latitude:	35.15370070000000
Longitude:	-90.0162015000000
Date Drilled:	
Well Depth:	772
Well Depth Unit:	ft

Well Hole Depth:
W Hole Depth Unit:
Formation Type: Memphis Sand

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
81	ENE	0.62	3,288.80	243.31	FED USGS

Reporting Agency: USGS Tennessee Water Science Center
Site Number: USGS-350913090005802
Station Name: SH:O-223 DUP
Site Type: Well
Latitude: 35.15370070000000
Longitude: -90.0162015000000
Date Drilled:
Well Depth:
Well Depth Unit:
Well Hole Depth: 830
W Hole Depth Unit: ft
Formation Type:

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
85	SSW	0.65	3,451.05	245.66	FED USGS

Reporting Agency: USGS Tennessee Water Science Center
Site Number: USGS-350821090014801
Station Name: SH:O-021
Site Type: Well
Latitude: 35.13925660000000
Longitude: -90.0300908000000
Date Drilled:
Well Depth: 490
Well Depth Unit: ft
Well Hole Depth:
W Hole Depth Unit:
Formation Type: Memphis Sand

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
85	SSW	0.65	3,451.05	245.66	FED USGS

Reporting Agency: USGS Tennessee Water Science Center
Site Number: USGS-350821090014800
Station Name: SH:O-021 DUP
Site Type: Well
Latitude: 35.13925660000000
Longitude: -90.0300908000000

Date Drilled:
Well Depth:
Well Depth Unit:
Well Hole Depth:
W Hole Depth Unit:
Formation Type:

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
88	N	0.70	3,672.53	254.46	FED USGS

Reporting Agency: USGS Tennessee Water Science Center
Site Number: USGS-350935090013701
Station Name: SH:O-182
Site Type: Well
Latitude: 35.15981176000000
Longitude: -90.0270350000000
Date Drilled:
Well Depth:
Well Depth Unit:
Well Hole Depth:
W Hole Depth Unit:
Formation Type: Memphis Sand

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
89	N	0.70	3,697.97	254.08	FED USGS

Reporting Agency: USGS Tennessee Water Science Center
Site Number: USGS-350936090013901
Station Name: Sh:O-251
Site Type: Well
Latitude: 35.15988889000000
Longitude: -90.0274167000000
Date Drilled:
Well Depth:
Well Depth Unit:
Well Hole Depth: 1557
W Hole Depth Unit: ft
Formation Type: Memphis Sand

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
90	ENE	0.71	3,750.72	241.15	FED USGS

Reporting Agency: USGS Tennessee Water Science Center
Site Number: USGS-350915090005302
Station Name: SH:O-203

Wells and Additional Sources Detail Report

Site Type: Well
Latitude: 35.15425624000000
Longitude: -90.0148125000000
Date Drilled:
Well Depth:
Well Depth Unit:
Well Hole Depth: 530
W Hole Depth Unit: ft
Formation Type:

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
92	ENE	0.72	3,815.42	246.38	FED USGS

Reporting Agency: USGS Tennessee Water Science Center
Site Number: USGS-350911090005001
Station Name: SH:O-187
Site Type: Well
Latitude: 35.15314514000000
Longitude: -90.0139792000000
Date Drilled:
Well Depth: 1330
Well Depth Unit: ft
Well Hole Depth: 1373
W Hole Depth Unit: ft
Formation Type:

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
93	ENE	0.72	3,824.68	242.42	FED USGS

Reporting Agency: USGS Tennessee Water Science Center
Site Number: USGS-350915090005201
Station Name: SH:O-245
Site Type: Well
Latitude: 35.15425624000000
Longitude: -90.0145347000000
Date Drilled: 19870501
Well Depth: 80.0
Well Depth Unit: ft
Well Hole Depth: 82.0
W Hole Depth Unit: ft
Formation Type: Terrace Deposits

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
98	SW	0.75	3,971.02	258.01	FED USGS

Wells and Additional Sources Detail Report

Reporting Agency:	USGS Tennessee Water Science Center
Site Number:	USGS-350829090021401
Station Name:	SH:O-067
Site Type:	Well
Latitude:	35.14120108000000
Longitude:	-90.0373131000000
Date Drilled:	
Well Depth:	401
Well Depth Unit:	ft
Well Hole Depth:	408
W Hole Depth Unit:	ft
Formation Type:	

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
99	ENE	0.75	3,971.74	247.46	FED USGS

Reporting Agency:	USGS Tennessee Water Science Center
Site Number:	USGS-350911090004803
Station Name:	SH:O-222
Site Type:	Well
Latitude:	35.15314514000000
Longitude:	-90.0134236000000
Date Drilled:	
Well Depth:	
Well Depth Unit:	
Well Hole Depth:	832
W Hole Depth Unit:	ft
Formation Type:	

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
99	ENE	0.75	3,971.74	247.46	FED USGS

Reporting Agency:	USGS Tennessee Water Science Center
Site Number:	USGS-350911090004801
Station Name:	SH:O-151
Site Type:	Well
Latitude:	35.15314514000000
Longitude:	-90.0134236000000
Date Drilled:	
Well Depth:	527
Well Depth Unit:	ft
Well Hole Depth:	
W Hole Depth Unit:	
Formation Type:	Memphis Sand

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
101	ENE	0.76	4,032.50	245.65	FED USGS

Reporting Agency:	USGS Tennessee Water Science Center
Site Number:	USGS-350912090004801
Station Name:	Sh:O-258
Site Type:	Well
Latitude:	35.15330556000000
Longitude:	-90.0132778000000
Date Drilled:	20170925
Well Depth:	
Well Depth Unit:	
Well Hole Depth:	1032
W Hole Depth Unit:	ft
Formation Type:	Memphis Sand

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
105	NE	0.80	4,197.80	234.48	FED USGS

Reporting Agency:	USGS Tennessee Water Science Center
Site Number:	USGS-350930090010101
Station Name:	SH:O-119
Site Type:	Well
Latitude:	35.15842284000000
Longitude:	-90.0170348000000
Date Drilled:	
Well Depth:	108
Well Depth Unit:	ft
Well Hole Depth:	108
W Hole Depth Unit:	ft
Formation Type:	

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
108	ENE	0.81	4,256.50	249.57	FED USGS

Reporting Agency:	USGS Tennessee Water Science Center
Site Number:	USGS-350910090004401
Station Name:	SH:O-216
Site Type:	Well
Latitude:	35.15286736000000
Longitude:	-90.0123125000000
Date Drilled:	
Well Depth:	
Well Depth Unit:	
Well Hole Depth:	800
W Hole Depth Unit:	ft

Wells and Additional Sources Detail Report

Formation Type:

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
110	N	0.83	4,385.71	249.41	FED USGS

Reporting Agency:	USGS Tennessee Water Science Center
Site Number:	USGS-350942090014301
Station Name:	SH:O-190
Site Type:	Well
Latitude:	35.16175618000000
Longitude:	-90.0287017000000
Date Drilled:	
Well Depth:	638
Well Depth Unit:	ft
Well Hole Depth:	
W Hole Depth Unit:	
Formation Type:	Memphis Sand

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
114	ENE	0.85	4,476.06	228.85	FED USGS

Reporting Agency:	USGS Tennessee Water Science Center
Site Number:	USGS-350912090004200
Station Name:	SH:O-153
Site Type:	Well
Latitude:	35.15342290000000
Longitude:	-90.0117569000000
Date Drilled:	
Well Depth:	
Well Depth Unit:	
Well Hole Depth:	
W Hole Depth Unit:	
Formation Type:	

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
114	ENE	0.85	4,476.06	228.85	FED USGS

Reporting Agency:	USGS Tennessee Water Science Center
Site Number:	USGS-350912090004201
Station Name:	SH:O-153 DUP
Site Type:	Well
Latitude:	35.15342290000000
Longitude:	-90.0117569000000
Date Drilled:	
Well Depth:	522

Well Depth Unit: ft
Well Hole Depth: 573
W Hole Depth Unit: ft
Formation Type: Memphis Sand

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
118	WNW	0.85	4,476.56	232.81	FED USGS

Reporting Agency: USGS Tennessee Water Science Center
Site Number: USGS-350920090022801
Station Name: SH:O-013
Site Type: Well
Latitude: 35.15564526000000
Longitude: -90.0412020000000
Date Drilled:
Well Depth: 396
Well Depth Unit: ft
Well Hole Depth:
W Hole Depth Unit:
Formation Type: Memphis Sand

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
118	WNW	0.85	4,476.56	232.81	FED USGS

Reporting Agency: USGS Tennessee Water Science Center
Site Number: USGS-350920090022800
Station Name: SH:O- 13
Site Type: Well
Latitude: 35.15564526000000
Longitude: -90.0412020000000
Date Drilled:
Well Depth:
Well Depth Unit:
Well Hole Depth:
W Hole Depth Unit:
Formation Type:

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
123	SSW	0.88	4,672.72	276.94	FED USGS

Reporting Agency: USGS Tennessee Water Science Center
Site Number: USGS-350816090021000
Station Name: SH:O-030 DUP
Site Type: Well
Latitude: 35.13786780000000

Longitude: -90.0362020000000
Date Drilled:
Well Depth:
Well Depth Unit:
Well Hole Depth:
W Hole Depth Unit:
Formation Type:

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
123	SSW	0.88	4,672.72	276.94	FED USGS

Reporting Agency: USGS Tennessee Water Science Center
Site Number: USGS-350816090021001
Station Name: SH:O-030
Site Type: Well
Latitude: 35.13786780000000
Longitude: -90.0362020000000
Date Drilled:
Well Depth: 524
Well Depth Unit: ft
Well Hole Depth:
W Hole Depth Unit:
Formation Type: Memphis Sand

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
128	WNW	0.97	5,132.41	227.03	FED USGS

Reporting Agency: USGS Tennessee Water Science Center
Site Number: USGS-350923090023501
Station Name: SH:0-124 DUP
Site Type: Well
Latitude: 35.15647859000000
Longitude: -90.0431465000000
Date Drilled:
Well Depth:
Well Depth Unit:
Well Hole Depth:
W Hole Depth Unit:
Formation Type:

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
128	WNW	0.97	5,132.41	227.03	FED USGS

Reporting Agency: USGS Tennessee Water Science Center
Site Number: USGS-350923090023500

Wells and Additional Sources Detail Report

Station Name:	SH:O-124
Site Type:	Well
Latitude:	35.15647859000000
Longitude:	-90.0431465000000
Date Drilled:	19270501
Well Depth:	
Well Depth Unit:	
Well Hole Depth:	
W Hole Depth Unit:	
Formation Type:	Claiborne Group

County Water Wells

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
3	NNW	0.22	1,137.89	253.64	WATER WELLS

Well No:	15709651	Work Type:	
License Code:	740	County Name:	SHELBY
Well Use:		Description:	
Driller Report ID:	1443069	Finish Type:	
Driller Tag No:		Finish from Ft:	
Well No R4:	9651	Finish to Ft:	
Quad No:	0404NE	Quality:	Unknown
Quad Name:	NORTHWEST-MEMPHIS	Casing Type:	
Quad Nth:		Latitude DD:	35.152778
Cmpltn Date:		Longitude DD:	-90.02888899999999
Cmpltn Stati Level:	68	Lat DD:	35
Cmpltn Tot Depth:	1392	Lat MM:	9
Cmpltn Est Yield:		Lat SS:	10
Inspection Tag No:		Lon DD:	90
Inspection Date:		Lon MM:	1
Casing Ft Bel Grnd:		Lon SS:	44
WBZ:		Latitude:	350910
Q9th Orphan:		Longitude:	900144
Form Log:	N	X:	-90.02888899999999
Accuracy:	S	Y:	35.15277800000001
Accuracy Desc:	Nearest second		
Owner Name:			
Location:			
Link ID:	https://dataviewers.tdec.tn.gov/dataviewers/f?p=2005:39930:::::P39930_WELL_REPORT_NUMBER:15709651		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
5	NNW	0.22	1,158.30	254.10	WATER WELLS

Well No:	15709608	Work Type:	
License Code:	740	County Name:	SHELBY

Wells and Additional Sources Detail Report

Well Use:		Description:	
Driller Report ID:	1443027	Finish Type:	
Driller Tag No:		Finish from Ft:	
Well No R4:	9608	Finish to Ft:	
Quad No:	0404NE	Quality:	Good
Quad Name:	NORTHWEST-MEMPHIS	Casing Type:	
Quad Nth:		Latitude DD:	35.152778
Cmpltn Date:		Longitude DD:	-90.029167
Cmpltn Stati Level:		Lat DD:	35
Cmpltn Tot Depth:	508	Lat MM:	9
Cmpltn Est Yield:		Lat SS:	10
Inspection Tag No:		Lon DD:	90
Inspection Date:		Lon MM:	1
Casing Ft Bel Grnd:		Lon SS:	45
WBZ:		Latitude:	350910
Q9th Orphan:		Longitude:	900145
Form Log:	N	X:	-90.02916699999997
Accuracy:	S	Y:	35.15277800000001
Accuracy Desc:	Nearest second		
Owner Name:			
Location:			
Link ID:	https://dataviewers.tdec.tn.gov/dataviewers/f?p=2005:39930:::::P39930_WELL_REPORT_NUMBER:15709608		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
7	NNW	0.24	1,255.83	255.03	WATER WELLS

Well No:	15709607	Work Type:	
License Code:	740	County Name:	SHELBY
Well Use:		Description:	
Driller Report ID:	1443026	Finish Type:	
Driller Tag No:		Finish from Ft:	
Well No R4:	9607	Finish to Ft:	
Quad No:	0404NE	Quality:	Good
Quad Name:	NORTHWEST-MEMPHIS	Casing Type:	
Quad Nth:		Latitude DD:	35.153056
Cmpltn Date:		Longitude DD:	-90.029167
Cmpltn Stati Level:		Lat DD:	35
Cmpltn Tot Depth:	545	Lat MM:	9
Cmpltn Est Yield:		Lat SS:	11
Inspection Tag No:		Lon DD:	90
Inspection Date:		Lon MM:	1
Casing Ft Bel Grnd:		Lon SS:	45
WBZ:		Latitude:	350911
Q9th Orphan:		Longitude:	900145
Form Log:	N	X:	-90.02916699999997
Accuracy:	S	Y:	35.15305599999999

Accuracy Desc:	Nearest second
Owner Name:	
Location:	
Link ID:	https://dataviewers.tdec.tn.gov/dataviewers/f?p=2005:39930:::::P39930_WELL_REPORT_NUMBER:15709607

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
8	ENE	0.25	1,305.92	243.82	WATER WELLS

Well No:	15709519	Work Type:	New Well
License Code:	29	County Name:	SHELBY
Well Use:	Industrial	Description:	
Driller Report ID:	1442940	Finish Type:	
Driller Tag No:		Finish from Ft:	
Well No R4:	9519	Finish to Ft:	
Quad No:	0404NE	Quality:	Good
Quad Name:	NORTHWEST-MEMPHIS	Casing Type:	
Quad Nth:		Latitude DD:	35.151389
Cmpltn Date:		Longitude DD:	-90.022222
Cmpltn Stati Level:	70	Lat DD:	35
Cmpltn Tot Depth:	475	Lat MM:	9
Cmpltn Est Yield:		Lat SS:	5
Inspection Tag No:		Lon DD:	90
Inspection Date:		Lon MM:	1
Casing Ft Bel Grnd:		Lon SS:	20
WBZ:		Latitude:	350905
Q9th Orphan:		Longitude:	900120
Form Log:	N	X:	-90.02221612088543
Accuracy:	S	Y:	35.151382506628345
Accuracy Desc:	Nearest second		
Owner Name:			
Location:			
Link ID:	https://dataviewers.tdec.tn.gov/dataviewers/f?p=2005:39930:::::P39930_WELL_REPORT_NUMBER:15709519		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
9	NNW	0.25	1,308.44	255.06	WATER WELLS

Well No:	15709711	Work Type:	
License Code:	29	County Name:	SHELBY
Well Use:		Description:	
Driller Report ID:	1443125	Finish Type:	
Driller Tag No:		Finish from Ft:	
Well No R4:	9711	Finish to Ft:	
Quad No:	0404NE	Quality:	
Quad Name:	NORTHWEST-MEMPHIS	Casing Type:	
Quad Nth:		Latitude DD:	35.153056

Cmpltn Date:		Longitude DD:	-90.02972199999999
Cmpltn Stati Level:		Lat DD:	35
Cmpltn Tot Depth:	855	Lat MM:	9
Cmpltn Est Yield:		Lat SS:	11
Inspection Tag No:		Lon DD:	90
Inspection Date:		Lon MM:	1
Casing Ft Bel Grnd:		Lon SS:	47
WBZ:		Latitude:	350911
Q9th Orphan:		Longitude:	900147
Form Log:	N	X:	-90.02972199999999
Accuracy:	S	Y:	35.15305599999999
Accuracy Desc:	Nearest second		
Owner Name:			
Location:			
Link ID:	https://dataviewers.tdec.tn.gov/dataviewers/f?p=2005:39930:::::P39930_WELL_REPORT_NUMBER:15709711		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
10	NE	0.26	1,361.49	253.20	WATER WELLS

Well No:	15709518	Work Type:	New Well
License Code:	740	County Name:	SHELBY
Well Use:	Industrial	Description:	
Driller Report ID:	1442939	Finish Type:	
Driller Tag No:		Finish from Ft:	
Well No R4:	9518	Finish to Ft:	
Quad No:	0404NE	Quality:	Good
Quad Name:	NORTHWEST-MEMPHIS	Casing Type:	
Quad Nth:		Latitude DD:	35.151667
Cmpltn Date:		Longitude DD:	-90.022222
Cmpltn Stati Level:	90	Lat DD:	35
Cmpltn Tot Depth:	492	Lat MM:	9
Cmpltn Est Yield:		Lat SS:	6
Inspection Tag No:		Lon DD:	90
Inspection Date:		Lon MM:	1
Casing Ft Bel Grnd:		Lon SS:	20
WBZ:		Latitude:	350906
Q9th Orphan:		Longitude:	900120
Form Log:	N	X:	-90.02221612086714
Accuracy:	S	Y:	35.151660506573656
Accuracy Desc:	Nearest second		
Owner Name:			
Location:			
Link ID:	https://dataviewers.tdec.tn.gov/dataviewers/f?p=2005:39930:::::P39930_WELL_REPORT_NUMBER:15709518		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
14	NNW	0.29	1,550.93	257.00	WATER WELLS

Well No:	15709671	Work Type:	
License Code:	740	County Name:	SHELBY
Well Use:		Description:	
Driller Report ID:	1443089	Finish Type:	
Driller Tag No:		Finish from Ft:	
Well No R4:	9671	Finish to Ft:	
Quad No:	0404NE	Quality:	Good
Quad Name:	NORTHWEST-MEMPHIS	Casing Type:	
Quad Nth:		Latitude DD:	35.153889
Cmpltn Date:	9/12/1962, 8:00 PM	Longitude DD:	-90.029167
Cmpltn Stati Level:		Lat DD:	35
Cmpltn Tot Depth:	536	Lat MM:	9
Cmpltn Est Yield:		Lat SS:	14
Inspection Tag No:		Lon DD:	90
Inspection Date:		Lon MM:	1
Casing Ft Bel Grnd:		Lon SS:	45
WBZ:		Latitude:	350914
Q9th Orphan:		Longitude:	900145
Form Log:	N	X:	-90.02916699999997
Accuracy:	S	Y:	35.15388899999999
Accuracy Desc:	Nearest second		
Owner Name:			
Location:			
Link ID:	https://dataviewers.tdec.tn.gov/dataviewers/f?p=2005:39930:::::P39930_WELL_REPORT_NUMBER:15709671		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
16	N	0.33	1,720.04	260.15	WATER WELLS

Well No:	15709615	Work Type:	
License Code:	740	County Name:	SHELBY
Well Use:		Description:	
Driller Report ID:	1443033	Finish Type:	
Driller Tag No:		Finish from Ft:	
Well No R4:	9615	Finish to Ft:	
Quad No:	0404NE	Quality:	Good
Quad Name:	NORTHWEST-MEMPHIS	Casing Type:	
Quad Nth:		Latitude DD:	35.154444
Cmpltn Date:		Longitude DD:	-90.026944
Cmpltn Stati Level:		Lat DD:	35
Cmpltn Tot Depth:	522	Lat MM:	9
Cmpltn Est Yield:		Lat SS:	16
Inspection Tag No:		Lon DD:	90
Inspection Date:		Lon MM:	1
Casing Ft Bel Grnd:		Lon SS:	37

WBZ:		Latitude:	350916
Q9th Orphan:		Longitude:	900137
Form Log:	N	X:	-90.02694400000001
Accuracy:	S	Y:	35.15444400000001
Accuracy Desc:	Nearest second		
Owner Name:			
Location:			
Link ID:	https://dataviewers.tdec.tn.gov/dataviewers/f?p=2005:39930:::::P39930_WELL_REPORT_NUMBER:15709615		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
17	N	0.33	1,726.47	260.20	WATER WELLS

Well No:	15709616	Work Type:	
License Code:	740	County Name:	SHELBY
Well Use:		Description:	
Driller Report ID:	1443034	Finish Type:	
Driller Tag No:		Finish from Ft:	
Well No R4:	9616	Finish to Ft:	
Quad No:	0404NE	Quality:	Good
Quad Name:	NORTHWEST-MEMPHIS	Casing Type:	
Quad Nth:		Latitude DD:	35.154444
Cmpltn Date:	6/27/1942, 8:00 PM	Longitude DD:	-90.02666699999999
Cmpltn Stati Level:		Lat DD:	35
Cmpltn Tot Depth:	538	Lat MM:	9
Cmpltn Est Yield:		Lat SS:	16
Inspection Tag No:		Lon DD:	90
Inspection Date:		Lon MM:	1
Casing Ft Bel Grnd:		Lon SS:	36
WBZ:		Latitude:	350916
Q9th Orphan:		Longitude:	900136
Form Log:	N	X:	-90.02666699999997
Accuracy:	S	Y:	35.15444400000001
Accuracy Desc:	Nearest second		
Owner Name:			
Location:			
Link ID:	https://dataviewers.tdec.tn.gov/dataviewers/f?p=2005:39930:::::P39930_WELL_REPORT_NUMBER:15709616		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
19	NNW	0.31	1,621.29	253.98	WATER WELLS

Well No:	15709648	Work Type:	
License Code:	740	County Name:	SHELBY
Well Use:		Description:	
Driller Report ID:	1443066	Finish Type:	
Driller Tag No:		Finish from Ft:	

Wells and Additional Sources Detail Report

Well No R4:	9648	Finish to Ft:	
Quad No:	0404NE	Quality:	Unknown
Quad Name:	NORTHWEST-MEMPHIS	Casing Type:	
Quad Nth:		Latitude DD:	35.153889
Cmpltn Date:	5/5/1942, 8:00 PM	Longitude DD:	-90.03
Cmpltn Stati Level:		Lat DD:	35
Cmpltn Tot Depth:	2634	Lat MM:	9
Cmpltn Est Yield:		Lat SS:	14
Inspection Tag No:		Lon DD:	90
Inspection Date:		Lon MM:	1
Casing Ft Bel Grnd:		Lon SS:	48
WBZ:		Latitude:	350914
Q9th Orphan:		Longitude:	900148
Form Log:	N	X:	-90.02999999999997
Accuracy:	S	Y:	35.15388999999999
Accuracy Desc:	Nearest second		
Owner Name:			
Location:			
Link ID:	https://dataviewers.tdec.tn.gov/dataviewers/f?p=2005:39930:::::P39930_WELL_REPORT_NUMBER:15709648		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
20	NNE	0.33	1,747.90	258.12	WATER WELLS

Well No:	15709726	Work Type:	New Well
License Code:	740	County Name:	SHELBY
Well Use:	Other	Description:	
Driller Report ID:	1443140	Finish Type:	
Driller Tag No:		Finish from Ft:	
Well No R4:	9726	Finish to Ft:	
Quad No:	0404NE	Quality:	
Quad Name:	NORTHWEST-MEMPHIS	Casing Type:	
Quad Nth:		Latitude DD:	35.154167
Cmpltn Date:		Longitude DD:	-90.024444
Cmpltn Stati Level:		Lat DD:	35
Cmpltn Tot Depth:	716	Lat MM:	9
Cmpltn Est Yield:		Lat SS:	15
Inspection Tag No:		Lon DD:	90
Inspection Date:		Lon MM:	1
Casing Ft Bel Grnd:		Lon SS:	28
WBZ:		Latitude:	350915
Q9th Orphan:		Longitude:	900128
Form Log:	N	X:	-90.02443812008882
Accuracy:	S	Y:	35.154160506180844
Accuracy Desc:	Nearest second		
Owner Name:			
Location:			

Wells and Additional Sources Detail Report

Link ID: https://dataviewers.tdec.tn.gov/dataviewers/f?p=2005:39930:::::P39930_WELL_REPORT_NUMBER:15709726

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
23	N	0.34	1,821.13	257.85	WATER WELLS

Well No:	15709663	Work Type:	
License Code:	740	County Name:	SHELBY
Well Use:		Description:	
Driller Report ID:	1443081	Finish Type:	
Driller Tag No:		Finish from Ft:	
Well No R4:	9663	Finish to Ft:	
Quad No:	0404NE	Quality:	Unknown
Quad Name:	NORTHWEST-MEMPHIS	Casing Type:	
Quad Nth:		Latitude DD:	35.154722
Cmpltn Date:		Longitude DD:	-90.026944
Cmpltn Stati Level:	80	Lat DD:	35
Cmpltn Tot Depth:	1357	Lat MM:	9
Cmpltn Est Yield:		Lat SS:	17
Inspection Tag No:		Lon DD:	90
Inspection Date:		Lon MM:	1
Casing Ft Bel Grnd:		Lon SS:	37
WBZ:		Latitude:	350917
Q9th Orphan:		Longitude:	900137
Form Log:	N	X:	-90.02694400000001
Accuracy:	S	Y:	35.15472199999999
Accuracy Desc:	Nearest second		
Owner Name:			
Location:			
Link ID:	https://dataviewers.tdec.tn.gov/dataviewers/f?p=2005:39930:::::P39930_WELL_REPORT_NUMBER:15709663		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
25	NNE	0.34	1,798.57	255.08	WATER WELLS

Well No:	15709617	Work Type:	
License Code:	740	County Name:	SHELBY
Well Use:		Description:	
Driller Report ID:	1443035	Finish Type:	
Driller Tag No:		Finish from Ft:	
Well No R4:	9617	Finish to Ft:	
Quad No:	0404NE	Quality:	Good
Quad Name:	NORTHWEST-MEMPHIS	Casing Type:	
Quad Nth:		Latitude DD:	35.154167
Cmpltn Date:		Longitude DD:	-90.023889
Cmpltn Stati Level:		Lat DD:	35
Cmpltn Tot Depth:	541	Lat MM:	9

Cmpltn Est Yield:		Lat SS:	15
Inspection Tag No:		Lon DD:	90
Inspection Date:		Lon MM:	1
Casing Ft Bel Grnd:		Lon SS:	26
WBZ:		Latitude:	350915
Q9th Orphan:		Longitude:	900126
Form Log:	N	X:	-90.023889
Accuracy:	S	Y:	35.15416699999997
Accuracy Desc:	Nearest second		
Owner Name:			
Location:			
Link ID:	https://dataviewers.tdec.tn.gov/dataviewers/f?p=2005:39930:::::P39930_WELL_REPORT_NUMBER:15709617		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
26	NNW	0.33	1,749.11	255.53	WATER WELLS

Well No:	20082152	Work Type:	
License Code:	879	County Name:	SHELBY
Well Use:		Description:	
Driller Report ID:	1513230	Finish Type:	Screen
Driller Tag No:	D0081331	Finish from Ft:	410
Well No R4:	2152	Finish to Ft:	510
Quad No:	0404NE	Quality:	Clear
Quad Name:	NORTHWEST-MEMPHIS	Casing Type:	Steel
Quad Nth:	9	Latitude DD:	35.154444
Cmpltn Date:	7/1/2008, 8:00 PM	Longitude DD:	-90.029167
Cmpltn Stati Level:	125	Lat DD:	35
Cmpltn Tot Depth:	514	Lat MM:	9
Cmpltn Est Yield:	1400	Lat SS:	16
Inspection Tag No:		Lon DD:	90
Inspection Date:		Lon MM:	1
Casing Ft Bel Grnd:	405	Lon SS:	45
WBZ:		Latitude:	350916
Q9th Orphan:		Longitude:	900145
Form Log:	Y	X:	-90.02916699999997
Accuracy:		Y:	35.15444400000001
Accuracy Desc:			
Owner Name:			
Location:	515 AYERS STREET		
Link ID:	https://dataviewers.tdec.tn.gov/dataviewers/f?p=2005:39930:::::P39930_WELL_REPORT_NUMBER:20082152		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
27	NW	0.32	1,687.20	251.63	WATER WELLS

Well No:	15709675	Work Type:	

Wells and Additional Sources Detail Report

License Code:	740	County Name:	SHELBY
Well Use:		Description:	
Driller Report ID:	1443093	Finish Type:	
Driller Tag No:		Finish from Ft:	
Well No R4:	9675	Finish to Ft:	
Quad No:	0404NE	Quality:	Good
Quad Name:	NORTHWEST-MEMPHIS	Casing Type:	
Quad Nth:		Latitude DD:	35.153889
Cmpltn Date:	4/7/1963, 7:00 PM	Longitude DD:	-90.03055599999999
Cmpltn Stati Level:		Lat DD:	35
Cmpltn Tot Depth:	576	Lat MM:	9
Cmpltn Est Yield:		Lat SS:	14
Inspection Tag No:		Lon DD:	90
Inspection Date:		Lon MM:	1
Casing Ft Bel Grnd:		Lon SS:	50
WBZ:		Latitude:	350914
Q9th Orphan:		Longitude:	900150
Form Log:	N	X:	-90.03055599999999
Accuracy:	S	Y:	35.15388899999999
Accuracy Desc:	Nearest second		
Owner Name:			
Location:			
Link ID:	https://dataviewers.tdec.tn.gov/dataviewers/f?p=2005:39930:::::P39930_WELL_REPORT_NUMBER:15709675		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
29	NNE	0.35	1,829.09	253.08	WATER WELLS

Well No:	15709618	Work Type:	
License Code:	740	County Name:	SHELBY
Well Use:		Description:	
Driller Report ID:	1443036	Finish Type:	
Driller Tag No:		Finish from Ft:	
Well No R4:	9618	Finish to Ft:	
Quad No:	0404NE	Quality:	Good
Quad Name:	NORTHWEST-MEMPHIS	Casing Type:	
Quad Nth:		Latitude DD:	35.154167
Cmpltn Date:	3/26/1936, 7:00 PM	Longitude DD:	-90.023611
Cmpltn Stati Level:		Lat DD:	35
Cmpltn Tot Depth:	521	Lat MM:	9
Cmpltn Est Yield:		Lat SS:	15
Inspection Tag No:		Lon DD:	90
Inspection Date:		Lon MM:	1
Casing Ft Bel Grnd:		Lon SS:	25
WBZ:		Latitude:	350915
Q9th Orphan:		Longitude:	900125
Form Log:	N	X:	-90.02361100000002

Accuracy:	S	Y:	35.15416699999997
Accuracy Desc:	Nearest second		
Owner Name:			
Location:			
Link ID:	https://dataviewers.tdec.tn.gov/dataviewers/f?p=2005:39930:::::P39930_WELL_REPORT_NUMBER:15709618		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
30	NW	0.33	1,725.09	249.68	WATER WELLS

Well No:	15709649	Work Type:	
License Code:	740	County Name:	SHELBY
Well Use:		Description:	
Driller Report ID:	1443067	Finish Type:	
Driller Tag No:		Finish from Ft:	
Well No R4:	9649	Finish to Ft:	
Quad No:	0404NE	Quality:	Unknown
Quad Name:	NORTHWEST-MEMPHIS	Casing Type:	
Quad Nth:		Latitude DD:	35.153889
Cmpltn Date:		Longitude DD:	-90.030833
Cmpltn Stati Level:		Lat DD:	35
Cmpltn Tot Depth:	1387	Lat MM:	9
Cmpltn Est Yield:		Lat SS:	14
Inspection Tag No:		Lon DD:	90
Inspection Date:		Lon MM:	1
Casing Ft Bel Grnd:		Lon SS:	51
WBZ:		Latitude:	350914
Q9th Orphan:		Longitude:	900151
Form Log:	N	X:	-90.03083299999997
Accuracy:	S	Y:	35.15388899999999
Accuracy Desc:	Nearest second		
Owner Name:			
Location:			
Link ID:	https://dataviewers.tdec.tn.gov/dataviewers/f?p=2005:39930:::::P39930_WELL_REPORT_NUMBER:15709649		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
32	NW	0.34	1,814.74	255.75	WATER WELLS

Well No:	15709650	Work Type:	
License Code:	740	County Name:	SHELBY
Well Use:		Description:	
Driller Report ID:	1443068	Finish Type:	
Driller Tag No:		Finish from Ft:	
Well No R4:	9650	Finish to Ft:	
Quad No:	0404NE	Quality:	Good
Quad Name:	NORTHWEST-MEMPHIS	Casing Type:	

Quad Nth:		Latitude DD:	35.154167
Cmpltn Date:		Longitude DD:	-90.030833
Cmpltn Stati Level:		Lat DD:	35
Cmpltn Tot Depth:	1387	Lat MM:	9
Cmpltn Est Yield:		Lat SS:	15
Inspection Tag No:		Lon DD:	90
Inspection Date:		Lon MM:	1
Casing Ft Bel Grnd:		Lon SS:	51
WBZ:		Latitude:	350915
Q9th Orphan:		Longitude:	900151
Form Log:	N	X:	-90.03083299999997
Accuracy:	S	Y:	35.15416699999997
Accuracy Desc:	Nearest second		
Owner Name:			
Location:			
Link ID:	https://dataviewers.tdec.tn.gov/dataviewers/f?p=2005:39930:::::P39930_WELL_REPORT_NUMBER:15709650		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
33	NNW	0.35	1,839.75	257.68	WATER WELLS

Well No:	15709653	Work Type:	
License Code:	740	County Name:	SHELBY
Well Use:		Description:	
Driller Report ID:	1443071	Finish Type:	
Driller Tag No:		Finish from Ft:	
Well No R4:	9653	Finish to Ft:	
Quad No:	0404NE	Quality:	
Quad Name:	NORTHWEST-MEMPHIS	Casing Type:	
Quad Nth:		Latitude DD:	35.154444
Cmpltn Date:		Longitude DD:	-90.030278
Cmpltn Stati Level:	52	Lat DD:	35
Cmpltn Tot Depth:	1398	Lat MM:	9
Cmpltn Est Yield:		Lat SS:	16
Inspection Tag No:		Lon DD:	90
Inspection Date:		Lon MM:	1
Casing Ft Bel Grnd:		Lon SS:	49
WBZ:		Latitude:	350916
Q9th Orphan:		Longitude:	900149
Form Log:	N	X:	-90.03027800000001
Accuracy:	S	Y:	35.15444400000001
Accuracy Desc:	Nearest second		
Owner Name:			
Location:			
Link ID:	https://dataviewers.tdec.tn.gov/dataviewers/f?p=2005:39930:::::P39930_WELL_REPORT_NUMBER:15709653		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
36	N	0.38	2,018.68	254.86	WATER WELLS

Well No:	15709614	Work Type:	
License Code:	740	County Name:	SHELBY
Well Use:		Description:	
Driller Report ID:	1443032	Finish Type:	
Driller Tag No:		Finish from Ft:	
Well No R4:	9614	Finish to Ft:	
Quad No:	0404NE	Quality:	Good
Quad Name:	NORTHWEST-MEMPHIS	Casing Type:	
Quad Nth:		Latitude DD:	35.155277999999996
Cmpltn Date:	1/17/1941, 7:00 PM	Longitude DD:	-90.027778
Cmpltn Stati Level:		Lat DD:	35
Cmpltn Tot Depth:	505	Lat MM:	9
Cmpltn Est Yield:		Lat SS:	19
Inspection Tag No:		Lon DD:	90
Inspection Date:		Lon MM:	1
Casing Ft Bel Grnd:		Lon SS:	40
WBZ:		Latitude:	350919
Q9th Orphan:		Longitude:	900140
Form Log:	N	X:	-90.02777800000001
Accuracy:	S	Y:	35.15527800000001
Accuracy Desc:	Nearest second		
Owner Name:			
Location:			
Link ID:	https://dataviewers.tdec.tn.gov/dataviewers/f?p=2005:39930:::::P39930_WELL_REPORT_NUMBER:15709614		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
37	NNW	0.37	1,934.68	254.27	WATER WELLS

Well No:	15709611	Work Type:	
License Code:	740	County Name:	SHELBY
Well Use:		Description:	
Driller Report ID:	1443029	Finish Type:	
Driller Tag No:		Finish from Ft:	
Well No R4:	9611	Finish to Ft:	
Quad No:	0404NE	Quality:	Good
Quad Name:	NORTHWEST-MEMPHIS	Casing Type:	
Quad Nth:		Latitude DD:	35.154722
Cmpltn Date:		Longitude DD:	-90.030278
Cmpltn Stati Level:	111	Lat DD:	35
Cmpltn Tot Depth:	479	Lat MM:	9
Cmpltn Est Yield:		Lat SS:	17
Inspection Tag No:		Lon DD:	90
Inspection Date:		Lon MM:	1

Casing Ft Bel Grnd:		Lon SS:	49
WBZ:		Latitude:	350917
Q9th Orphan:		Longitude:	900149
Form Log:	N	X:	-90.03027800000001
Accuracy:	S	Y:	35.15472199999999
Accuracy Desc:	Nearest second		
Owner Name:			
Location:			
Link ID:	https://dataviewers.tdec.tn.gov/dataviewers/f?p=2005:39930:::::P39930_WELL_REPORT_NUMBER:15709611		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
38	S	0.37	1,969.01	246.62	WATER WELLS

Well No:	15709576	Work Type:	New Well
License Code:	30	County Name:	SHELBY
Well Use:	Industrial	Description:	
Driller Report ID:	1442996	Finish Type:	
Driller Tag No:		Finish from Ft:	
Well No R4:	9576	Finish to Ft:	
Quad No:	0404NE	Quality:	
Quad Name:	NORTHWEST-MEMPHIS	Casing Type:	
Quad Nth:		Latitude DD:	35.143056
Cmpltn Date:		Longitude DD:	-90.027222
Cmpltn Stati Level:	20	Lat DD:	35
Cmpltn Tot Depth:	460	Lat MM:	8
Cmpltn Est Yield:		Lat SS:	35
Inspection Tag No:		Lon DD:	90
Inspection Date:		Lon MM:	1
Casing Ft Bel Grnd:		Lon SS:	38
WBZ:		Latitude:	350835
Q9th Orphan:		Longitude:	900138
Form Log:	N	X:	-90.0272161200525
Accuracy:	S	Y:	35.14304950848856
Accuracy Desc:	Nearest second		
Owner Name:			
Location:			
Link ID:	https://dataviewers.tdec.tn.gov/dataviewers/f?p=2005:39930:::::P39930_WELL_REPORT_NUMBER:15709576		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
40	NW	0.37	1,942.54	247.46	WATER WELLS

Well No:	15709712	Work Type:	
License Code:	29	County Name:	SHELBY
Well Use:		Description:	
Driller Report ID:	1443126	Finish Type:	

Driller Tag No:		Finish from Ft:	
Well No R4:	9712	Finish to Ft:	
Quad No:	0404NE	Quality:	
Quad Name:	NORTHWEST-MEMPHIS	Casing Type:	
Quad Nth:		Latitude DD:	35.154444
Cmpltn Date:	6/11/1973, 8:00 PM	Longitude DD:	-90.031111
Cmpltn Stati Level:		Lat DD:	35
Cmpltn Tot Depth:	820	Lat MM:	9
Cmpltn Est Yield:		Lat SS:	16
Inspection Tag No:		Lon DD:	90
Inspection Date:		Lon MM:	1
Casing Ft Bel Grnd:		Lon SS:	52
WBZ:		Latitude:	350916
Q9th Orphan:		Longitude:	900152
Form Log:	N	X:	-90.03111100000001
Accuracy:	S	Y:	35.15444400000001
Accuracy Desc:	Nearest second		
Owner Name:			
Location:			
Link ID:	https://dataviewers.tdec.tn.gov/dataviewers/f?p=2005:39930:::::P39930_WELL_REPORT_NUMBER:15709712		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
41	NNW	0.37	1,964.42	253.30	WATER WELLS

Well No:	15709610	Work Type:	
License Code:	740	County Name:	SHELBY
Well Use:		Description:	
Driller Report ID:	1443028	Finish Type:	
Driller Tag No:		Finish from Ft:	
Well No R4:	9610	Finish to Ft:	
Quad No:	0404NE	Quality:	Good
Quad Name:	NORTHWEST-MEMPHIS	Casing Type:	
Quad Nth:		Latitude DD:	35.154722
Cmpltn Date:		Longitude DD:	-90.03055599999999
Cmpltn Stati Level:		Lat DD:	35
Cmpltn Tot Depth:	519	Lat MM:	9
Cmpltn Est Yield:		Lat SS:	17
Inspection Tag No:		Lon DD:	90
Inspection Date:		Lon MM:	1
Casing Ft Bel Grnd:		Lon SS:	50
WBZ:		Latitude:	350917
Q9th Orphan:		Longitude:	900150
Form Log:	N	X:	-90.03055599999999
Accuracy:	S	Y:	35.15472199999999
Accuracy Desc:	Nearest second		
Owner Name:			

Wells and Additional Sources Detail Report

Location:
Link ID: https://dataviewers.tdec.tn.gov/dataviewers/f?p=2005:39930:::::P39930_WELL_REPORT_NUMBER:15709610

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
42	N	0.40	2,119.92	254.05	WATER WELLS

Well No:	15709613	Work Type:	
License Code:	740	County Name:	SHELBY
Well Use:		Description:	
Driller Report ID:	1443031	Finish Type:	
Driller Tag No:		Finish from Ft:	
Well No R4:	9613	Finish to Ft:	
Quad No:	0404NE	Quality:	Good
Quad Name:	NORTHWEST-MEMPHIS	Casing Type:	
Quad Nth:		Latitude DD:	35.155556
Cmpltn Date:		Longitude DD:	-90.027778
Cmpltn Stati Level:		Lat DD:	35
Cmpltn Tot Depth:	508	Lat MM:	9
Cmpltn Est Yield:		Lat SS:	20
Inspection Tag No:		Lon DD:	90
Inspection Date:		Lon MM:	1
Casing Ft Bel Grnd:		Lon SS:	40
WBZ:		Latitude:	350920
Q9th Orphan:		Longitude:	900140
Form Log:	N	X:	-90.02777800000001
Accuracy:	S	Y:	35.15555599999999
Accuracy Desc:	Nearest second		
Owner Name:			
Location:			

Link ID: https://dataviewers.tdec.tn.gov/dataviewers/f?p=2005:39930:::::P39930_WELL_REPORT_NUMBER:15709613

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
43	NNE	0.41	2,156.10	245.32	WATER WELLS

Well No:	15709620	Work Type:	
License Code:	740	County Name:	SHELBY
Well Use:		Description:	
Driller Report ID:	1443038	Finish Type:	
Driller Tag No:		Finish from Ft:	
Well No R4:	9620	Finish to Ft:	
Quad No:	0404NE	Quality:	Good
Quad Name:	NORTHWEST-MEMPHIS	Casing Type:	
Quad Nth:		Latitude DD:	35.154722
Cmpltn Date:		Longitude DD:	-90.02250000000001
Cmpltn Stati Level:		Lat DD:	35

Cmpltn Tot Depth:	493	Lat MM:	9
Cmpltn Est Yield:		Lat SS:	17
Inspection Tag No:		Lon DD:	90
Inspection Date:		Lon MM:	1
Casing Ft Bel Grnd:		Lon SS:	21
WBZ:		Latitude:	350917
Q9th Orphan:		Longitude:	900121
Form Log:	N	X:	-90.02249999999998
Accuracy:	S	Y:	35.15472199999999
Accuracy Desc:	Nearest second		
Owner Name:			
Location:			
Link ID:	https://dataviewers.tdec.tn.gov/dataviewers/f?p=2005:39930:::::P39930_WELL_REPORT_NUMBER:15709620		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
45	NNE	0.42	2,197.41	245.34	WATER WELLS

Well No:	15709619	Work Type:	
License Code:	740	County Name:	SHELBY
Well Use:		Description:	
Driller Report ID:	1443037	Finish Type:	
Driller Tag No:		Finish from Ft:	
Well No R4:	9619	Finish to Ft:	
Quad No:	0404NE	Quality:	Good
Quad Name:	NORTHWEST-MEMPHIS	Casing Type:	
Quad Nth:		Latitude DD:	35.154722
Cmpltn Date:		Longitude DD:	-90.022222
Cmpltn Stati Level:		Lat DD:	35
Cmpltn Tot Depth:	495	Lat MM:	9
Cmpltn Est Yield:		Lat SS:	17
Inspection Tag No:		Lon DD:	90
Inspection Date:		Lon MM:	1
Casing Ft Bel Grnd:		Lon SS:	20
WBZ:		Latitude:	350917
Q9th Orphan:		Longitude:	900120
Form Log:	N	X:	-90.022222
Accuracy:	S	Y:	35.15472199999999
Accuracy Desc:	Nearest second		
Owner Name:			
Location:			
Link ID:	https://dataviewers.tdec.tn.gov/dataviewers/f?p=2005:39930:::::P39930_WELL_REPORT_NUMBER:15709619		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
46	NNW	0.40	2,123.81	250.14	WATER WELLS

Wells and Additional Sources Detail Report

Well No:	20171720	Work Type:	Backfill and Abandon
License Code:	1024	County Name:	SHELBY
Well Use:		Description:	
Driller Report ID:	1541588	Finish Type:	
Driller Tag No:	BA003719	Finish from Ft:	
Well No R4:	1720	Finish to Ft:	
Quad No:	0404NE	Quality:	
Quad Name:	NORTHWEST-MEMPHIS	Casing Type:	
Quad Nth:	9	Latitude DD:	35.155
Cmpltn Date:	8/9/2017, 8:00 PM	Longitude DD:	-90.031111
Cmpltn Stati Level:	112	Lat DD:	35
Cmpltn Tot Depth:	759	Lat MM:	9
Cmpltn Est Yield:		Lat SS:	18
Inspection Tag No:		Lon DD:	90
Inspection Date:		Lon MM:	1
Casing Ft Bel Grnd:		Lon SS:	52
WBZ:		Latitude:	350918
Q9th Orphan:		Longitude:	900152
Form Log:	N	X:	-90.03110511819236
Accuracy:		Y:	35.15499350631315
Accuracy Desc:			
Owner Name:			
Location:	514 N DUNLAP		
Link ID:	https://dataviewers.tdec.tn.gov/dataviewers/f?p=2005:39930:::::P39930_WELL_REPORT_NUMBER:20171720		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
47	NE	0.42	2,195.81	254.20	WATER WELLS

Well No:	15709622	Work Type:	
License Code:	740	County Name:	SHELBY
Well Use:		Description:	
Driller Report ID:	1443040	Finish Type:	
Driller Tag No:		Finish from Ft:	
Well No R4:	9622	Finish to Ft:	
Quad No:	0404NE	Quality:	Good
Quad Name:	NORTHWEST-MEMPHIS	Casing Type:	
Quad Nth:		Latitude DD:	35.153611
Cmpltn Date:	8/26/1930, 8:00 PM	Longitude DD:	-90.020556
Cmpltn Stati Level:		Lat DD:	35
Cmpltn Tot Depth:	526	Lat MM:	9
Cmpltn Est Yield:		Lat SS:	13
Inspection Tag No:		Lon DD:	90
Inspection Date:		Lon MM:	1
Casing Ft Bel Grnd:		Lon SS:	14
WBZ:		Latitude:	350913
Q9th Orphan:		Longitude:	900114

Form Log:	N	X:	-90.020556
Accuracy:	S	Y:	35.15361100000001
Accuracy Desc:	Nearest second		
Owner Name:			
Location:			
Link ID:	https://dataviewers.tdec.tn.gov/dataviewers/f?p=2005:39930:::::P39930_WELL_REPORT_NUMBER:15709622		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
48	NE	0.42	2,207.57	236.36	WATER WELLS

Well No:	15709666	Work Type:	
License Code:	740	County Name:	SHELBY
Well Use:		Description:	
Driller Report ID:	1443084	Finish Type:	
Driller Tag No:		Finish from Ft:	
Well No R4:	9666	Finish to Ft:	
Quad No:	0404NE	Quality:	Good
Quad Name:	NORTHWEST-MEMPHIS	Casing Type:	
Quad Nth:		Latitude DD:	35.153889
Cmpltn Date:	1/23/1946, 7:00 PM	Longitude DD:	-90.020833
Cmpltn Stati Level:	64	Lat DD:	35
Cmpltn Tot Depth:	1383	Lat MM:	9
Cmpltn Est Yield:		Lat SS:	14
Inspection Tag No:		Lon DD:	90
Inspection Date:		Lon MM:	1
Casing Ft Bel Grnd:		Lon SS:	15
WBZ:		Latitude:	350914
Q9th Orphan:		Longitude:	900115
Form Log:	N	X:	-90.02083299999998
Accuracy:	S	Y:	35.15388899999999
Accuracy Desc:	Nearest second		
Owner Name:			
Location:			
Link ID:	https://dataviewers.tdec.tn.gov/dataviewers/f?p=2005:39930:::::P39930_WELL_REPORT_NUMBER:15709666		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
49	NE	0.43	2,265.76	252.95	WATER WELLS

Well No:	15709621	Work Type:	
License Code:	740	County Name:	SHELBY
Well Use:		Description:	
Driller Report ID:	1443039	Finish Type:	
Driller Tag No:		Finish from Ft:	
Well No R4:	9621	Finish to Ft:	
Quad No:	0404NE	Quality:	Good

Wells and Additional Sources Detail Report

Quad Name:	NORTHWEST-MEMPHIS	Casing Type:	
Quad Nth:		Latitude DD:	35.153889
Cmpltn Date:		Longitude DD:	-90.020556
Cmpltn Stati Level:	70	Lat DD:	35
Cmpltn Tot Depth:	525	Lat MM:	9
Cmpltn Est Yield:		Lat SS:	14
Inspection Tag No:		Lon DD:	90
Inspection Date:		Lon MM:	1
Casing Ft Bel Grnd:		Lon SS:	14
WBZ:		Latitude:	350914
Q9th Orphan:		Longitude:	900114
Form Log:	N	X:	-90.020556
Accuracy:	S	Y:	35.15388899999999
Accuracy Desc:	Nearest second		
Owner Name:			
Location:			
Link ID:	https://dataviewers.tdec.tn.gov/dataviewers/f?p=2005:39930:::::P39930_WELL_REPORT_NUMBER:15709621		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
50	NE	0.43	2,281.65	236.42	WATER WELLS

Well No:	15701038	Work Type:	
License Code:	30	County Name:	SHELBY
Well Use:		Description:	
Driller Report ID:	1441862	Finish Type:	Screen
Driller Tag No:		Finish from Ft:	655
Well No R4:	1038	Finish to Ft:	755
Quad No:	0404NE	Quality:	Good
Quad Name:	NORTHWEST-MEMPHIS	Casing Type:	Steel
Quad Nth:	9	Latitude DD:	35.154167
Cmpltn Date:		Longitude DD:	-90.020833
Cmpltn Stati Level:	138	Lat DD:	35
Cmpltn Tot Depth:	760	Lat MM:	9
Cmpltn Est Yield:	2500	Lat SS:	15
Inspection Tag No:		Lon DD:	90
Inspection Date:		Lon MM:	1
Casing Ft Bel Grnd:	650	Lon SS:	15
WBZ:		Latitude:	350915
Q9th Orphan:		Longitude:	900115
Form Log:	N	X:	-90.02083299999998
Accuracy:	F	Y:	35.15416699999997
Accuracy Desc:	Nearest 15 seconds		
Owner Name:			
Location:	BELLEVUE		
Link ID:	https://dataviewers.tdec.tn.gov/dataviewers/f?p=2005:39930:::::P39930_WELL_REPORT_NUMBER:15701038		

Wells and Additional Sources Detail Report

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
51	SSW	0.43	2,244.61	254.80	WATER WELLS

Well No:	15709563	Work Type:	New Well
License Code:	740	County Name:	SHELBY
Well Use:	Commercial	Description:	
Driller Report ID:	1442983	Finish Type:	
Driller Tag No:		Finish from Ft:	
Well No R4:	9563	Finish to Ft:	
Quad No:	0404NE	Quality:	Good
Quad Name:	NORTHWEST-MEMPHIS	Casing Type:	
Quad Nth:		Latitude DD:	35.142778
Cmpltn Date:		Longitude DD:	-90.030278
Cmpltn Stati Level:	60	Lat DD:	35
Cmpltn Tot Depth:	463	Lat MM:	8
Cmpltn Est Yield:		Lat SS:	34
Inspection Tag No:		Lon DD:	90
Inspection Date:		Lon MM:	1
Casing Ft Bel Grnd:		Lon SS:	49
WBZ:		Latitude:	350834
Q9th Orphan:		Longitude:	900149
Form Log:	N	X:	-90.0302721192267
Accuracy:	S	Y:	35.142771508678834
Accuracy Desc:	Nearest second		
Owner Name:			
Location:			
Link ID:	https://dataviewers.tdec.tn.gov/dataviewers/f?p=2005:39930:::::P39930_WELL_REPORT_NUMBER:15709563		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
52	NE	0.44	2,304.40	237.82	WATER WELLS

Well No:	15709652	Work Type:	
License Code:	740	County Name:	SHELBY
Well Use:		Description:	
Driller Report ID:	1443070	Finish Type:	
Driller Tag No:		Finish from Ft:	
Well No R4:	9652	Finish to Ft:	
Quad No:	0404NE	Quality:	Unknown
Quad Name:	NORTHWEST-MEMPHIS	Casing Type:	
Quad Nth:		Latitude DD:	35.154444
Cmpltn Date:	5/19/1926, 8:00 PM	Longitude DD:	-90.02111099999999
Cmpltn Stati Level:	58	Lat DD:	35
Cmpltn Tot Depth:	1392	Lat MM:	9
Cmpltn Est Yield:		Lat SS:	16
Inspection Tag No:		Lon DD:	90

Inspection Date:		Lon MM:	1
Casing Ft Bel Grnd:		Lon SS:	16
WBZ:		Latitude:	350916
Q9th Orphan:		Longitude:	900116
Form Log:	N	X:	-90.02111100000002
Accuracy:	S	Y:	35.15444400000001
Accuracy Desc:	Nearest second		
Owner Name:			
Location:			
Link ID:	https://dataviewers.tdec.tn.gov/dataviewers/f?p=2005:39930:::::P39930_WELL_REPORT_NUMBER:15709652		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
53	SSW	0.43	2,277.69	258.06	WATER WELLS

Well No:	15709564	Work Type:	New Well
License Code:	740	County Name:	SHELBY
Well Use:	Industrial	Description:	
Driller Report ID:	1442984	Finish Type:	
Driller Tag No:		Finish from Ft:	
Well No R4:	9564	Finish to Ft:	
Quad No:	0404NE	Quality:	Good
Quad Name:	NORTHWEST-MEMPHIS	Casing Type:	
Quad Nth:		Latitude DD:	35.142778
Cmpltn Date:		Longitude DD:	-90.030556
Cmpltn Stati Level:	122	Lat DD:	35
Cmpltn Tot Depth:	480	Lat MM:	8
Cmpltn Est Yield:		Lat SS:	34
Inspection Tag No:		Lon DD:	90
Inspection Date:		Lon MM:	1
Casing Ft Bel Grnd:		Lon SS:	50
WBZ:		Latitude:	350834
Q9th Orphan:		Longitude:	900150
Form Log:	N	X:	-90.0305501191499
Accuracy:	S	Y:	35.142771508691176
Accuracy Desc:	Nearest second		
Owner Name:			
Location:			
Link ID:	https://dataviewers.tdec.tn.gov/dataviewers/f?p=2005:39930:::::P39930_WELL_REPORT_NUMBER:15709564		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
54	NE	0.45	2,357.48	236.88	WATER WELLS

Well No:	15709605	Work Type:	
License Code:	740	County Name:	SHELBY
Well Use:		Description:	

Wells and Additional Sources Detail Report

Driller Report ID:	1443024	Finish Type:	
Driller Tag No:		Finish from Ft:	
Well No R4:	9605	Finish to Ft:	
Quad No:	0404NE	Quality:	Unknown
Quad Name:	NORTHWEST-MEMPHIS	Casing Type:	
Quad Nth:		Latitude DD:	35.154444
Cmpltn Date:		Longitude DD:	-90.020833
Cmpltn Stati Level:	69	Lat DD:	35
Cmpltn Tot Depth:	476	Lat MM:	9
Cmpltn Est Yield:		Lat SS:	16
Inspection Tag No:		Lon DD:	90
Inspection Date:		Lon MM:	1
Casing Ft Bel Grnd:		Lon SS:	15
WBZ:		Latitude:	350916
Q9th Orphan:		Longitude:	900115
Form Log:	N	X:	-90.02083299999998
Accuracy:	S	Y:	35.15444400000001
Accuracy Desc:	Nearest second		
Owner Name:			
Location:			
Link ID:	https://dataviewers.tdec.tn.gov/dataviewers/f?p=2005:39930:::::P39930_WELL_REPORT_NUMBER:15709605		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
55	NW	0.43	2,254.15	246.72	WATER WELLS

Well No:	15701028	Work Type:	
License Code:	29	County Name:	SHELBY
Well Use:		Description:	
Driller Report ID:	1441852	Finish Type:	Slotted
Driller Tag No:		Finish from Ft:	494
Well No R4:	1028	Finish to Ft:	594
Quad No:	0404NE	Quality:	Good
Quad Name:	NORTHWEST-MEMPHIS	Casing Type:	Steel
Quad Nth:		Latitude DD:	35.154167
Cmpltn Date:	10/9/1973, 8:00 PM	Longitude DD:	-90.033333
Cmpltn Stati Level:	138	Lat DD:	35
Cmpltn Tot Depth:	706	Lat MM:	9
Cmpltn Est Yield:		Lat SS:	15
Inspection Tag No:		Lon DD:	90
Inspection Date:		Lon MM:	2
Casing Ft Bel Grnd:	594	Lon SS:	0
WBZ:		Latitude:	350915
Q9th Orphan:		Longitude:	900200
Form Log:	N	X:	-90.03333300000003
Accuracy:	T	Y:	35.15416699999997
Accuracy Desc:	Nearest 30 seconds		

Wells and Additional Sources Detail Report

Owner Name:
Location: 1043 N. PARKWAY
Link ID: https://dataviewers.tdec.tn.gov/dataviewers/f?p=2005:39930:::::P39930_WELL_REPORT_NUMBER:15701028

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
57	NE	0.46	2,435.40	237.17	WATER WELLS

Well No:	15709606	Work Type:	
License Code:	740	County Name:	SHELBY
Well Use:		Description:	
Driller Report ID:	1443025	Finish Type:	
Driller Tag No:		Finish from Ft:	
Well No R4:	9606	Finish to Ft:	
Quad No:	0404NE	Quality:	Good
Quad Name:	NORTHWEST-MEMPHIS	Casing Type:	
Quad Nth:		Latitude DD:	35.154722
Cmpltn Date:		Longitude DD:	-90.020833
Cmpltn Stati Level:		Lat DD:	35
Cmpltn Tot Depth:	468	Lat MM:	9
Cmpltn Est Yield:		Lat SS:	17
Inspection Tag No:		Lon DD:	90
Inspection Date:		Lon MM:	1
Casing Ft Bel Grnd:		Lon SS:	15
WBZ:		Latitude:	350917
Q9th Orphan:		Longitude:	900115
Form Log:	N	X:	-90.02083299999998
Accuracy:	S	Y:	35.15472199999999
Accuracy Desc:	Nearest second		
Owner Name:			
Location:			
Link ID:	https://dataviewers.tdec.tn.gov/dataviewers/f?p=2005:39930:::::P39930_WELL_REPORT_NUMBER:15709606		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
60	NE	0.48	2,513.32	256.33	WATER WELLS

Well No:	15709624	Work Type:	
License Code:	740	County Name:	SHELBY
Well Use:		Description:	
Driller Report ID:	1443042	Finish Type:	
Driller Tag No:		Finish from Ft:	
Well No R4:	9624	Finish to Ft:	
Quad No:	0404NE	Quality:	Good
Quad Name:	NORTHWEST-MEMPHIS	Casing Type:	
Quad Nth:		Latitude DD:	35.153889
Cmpltn Date:	8/10/1941, 8:00 PM	Longitude DD:	-90.019444

Cmpltn Stati Level:	87	Lat DD:	35
Cmpltn Tot Depth:	521	Lat MM:	9
Cmpltn Est Yield:		Lat SS:	14
Inspection Tag No:		Lon DD:	90
Inspection Date:		Lon MM:	1
Casing Ft Bel Grnd:		Lon SS:	10
WBZ:		Latitude:	350914
Q9th Orphan:		Longitude:	900110
Form Log:	N	X:	-90.01944400000002
Accuracy:	S	Y:	35.15388899999999
Accuracy Desc:	Nearest second		
Owner Name:			
Location:			
Link ID:	https://dataviewers.tdec.tn.gov/dataviewers/f?p=2005:39930:::::P39930_WELL_REPORT_NUMBER:15709624		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
61	NE	0.48	2,516.71	256.84	WATER WELLS

Well No:	20161087	Work Type:	Backfill and Abandon
License Code:	1024	County Name:	SHELBY
Well Use:	Commercial	Description:	
Driller Report ID:	1537748	Finish Type:	
Driller Tag No:	BA3467	Finish from Ft:	695
Well No R4:	1087	Finish to Ft:	795
Quad No:	0404NE	Quality:	
Quad Name:	NORTHWEST-MEMPHIS	Casing Type:	
Quad Nth:	9	Latitude DD:	35.153611
Cmpltn Date:	5/18/2016, 8:00 PM	Longitude DD:	-90.019167
Cmpltn Stati Level:	19	Lat DD:	35
Cmpltn Tot Depth:	145	Lat MM:	9
Cmpltn Est Yield:		Lat SS:	13
Inspection Tag No:		Lon DD:	90
Inspection Date:		Lon MM:	1
Casing Ft Bel Grnd:	644	Lon SS:	9
WBZ:		Latitude:	350913
Q9th Orphan:		Longitude:	900109
Form Log:	N	X:	-90.01916112158312
Accuracy:		Y:	35.15360450605591
Accuracy Desc:			
Owner Name:			
Location:	1195 N PARKWAY AVE		
Link ID:	https://dataviewers.tdec.tn.gov/dataviewers/f?p=2005:39930:::::P39930_WELL_REPORT_NUMBER:20161087		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
63	NE	0.49	2,577.97	256.02	WATER WELLS

Wells and Additional Sources Detail Report

Well No:	15709623	Work Type:	
License Code:	740	County Name:	SHELBY
Well Use:		Description:	
Driller Report ID:	1443041	Finish Type:	
Driller Tag No:		Finish from Ft:	
Well No R4:	9623	Finish to Ft:	
Quad No:	0404NE	Quality:	Good
Quad Name:	NORTHWEST-MEMPHIS	Casing Type:	
Quad Nth:		Latitude DD:	35.153889
Cmpltn Date:		Longitude DD:	-90.019167
Cmpltn Stati Level:		Lat DD:	35
Cmpltn Tot Depth:	544	Lat MM:	9
Cmpltn Est Yield:		Lat SS:	14
Inspection Tag No:		Lon DD:	90
Inspection Date:		Lon MM:	1
Casing Ft Bel Grnd:		Lon SS:	9
WBZ:		Latitude:	350914
Q9th Orphan:		Longitude:	900109
Form Log:	N	X:	-90.01916699999998
Accuracy:	S	Y:	35.15388899999999
Accuracy Desc:	Nearest second		
Owner Name:			
Location:			
Link ID:	https://dataviewers.tdec.tn.gov/dataviewers/f?p=2005:39930:::::P39930_WELL_REPORT_NUMBER:15709623		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
64	S	0.49	2,577.16	252.19	WATER WELLS

Well No:	15709690	Work Type:	
License Code:	212	County Name:	SHELBY
Well Use:		Description:	
Driller Report ID:	1443108	Finish Type:	
Driller Tag No:		Finish from Ft:	
Well No R4:	9690	Finish to Ft:	
Quad No:	0404NE	Quality:	Good
Quad Name:	NORTHWEST-MEMPHIS	Casing Type:	Plastic
Quad Nth:		Latitude DD:	35.141389
Cmpltn Date:		Longitude DD:	-90.0275
Cmpltn Stati Level:		Lat DD:	35
Cmpltn Tot Depth:	80	Lat MM:	8
Cmpltn Est Yield:		Lat SS:	29
Inspection Tag No:		Lon DD:	90
Inspection Date:		Lon MM:	1
Casing Ft Bel Grnd:	80	Lon SS:	39
WBZ:		Latitude:	350829

Q9th Orphan:		Longitude:	900139
Form Log:	N	X:	-90.02749999999997
Accuracy:	S	Y:	35.141389000000004
Accuracy Desc:	Nearest second		
Owner Name:			
Location:			
Link ID:	https://dataviewers.tdec.tn.gov/dataviewers/f?p=2005:39930:::::P39930_WELL_REPORT_NUMBER:15709690		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
66	NNW	0.48	2,560.79	254.52	WATER WELLS

Well No:	15709612	Work Type:	
License Code:	740	County Name:	SHELBY
Well Use:		Description:	
Driller Report ID:	1443030	Finish Type:	
Driller Tag No:		Finish from Ft:	
Well No R4:	9612	Finish to Ft:	
Quad No:	0404NE	Quality:	Unknown
Quad Name:	NORTHWEST-MEMPHIS	Casing Type:	
Quad Nth:		Latitude DD:	35.156110999999996
Cmpltn Date:		Longitude DD:	-90.031667
Cmpltn Stati Level:		Lat DD:	35
Cmpltn Tot Depth:	1383	Lat MM:	9
Cmpltn Est Yield:		Lat SS:	22
Inspection Tag No:		Lon DD:	90
Inspection Date:		Lon MM:	1
Casing Ft Bel Grnd:		Lon SS:	54
WBZ:		Latitude:	350922
Q9th Orphan:		Longitude:	900154
Form Log:	N	X:	-90.03166700000003
Accuracy:	S	Y:	35.15611100000001
Accuracy Desc:	Nearest second		
Owner Name:			
Location:			
Link ID:	https://dataviewers.tdec.tn.gov/dataviewers/f?p=2005:39930:::::P39930_WELL_REPORT_NUMBER:15709612		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
66	NNW	0.48	2,560.79	254.52	WATER WELLS

Well No:	15709720	Work Type:	
License Code:	740	County Name:	SHELBY
Well Use:		Description:	
Driller Report ID:	1443134	Finish Type:	
Driller Tag No:		Finish from Ft:	
Well No R4:	9720	Finish to Ft:	

Wells and Additional Sources Detail Report

Quad No:	0404NE	Quality:	
Quad Name:	NORTHWEST-MEMPHIS	Casing Type:	
Quad Nth:		Latitude DD:	35.156110999999996
Cmpltn Date:	6/18/1969, 8:00 PM	Longitude DD:	-90.031667
Cmpltn Stati Level:		Lat DD:	35
Cmpltn Tot Depth:	510	Lat MM:	9
Cmpltn Est Yield:		Lat SS:	22
Inspection Tag No:		Lon DD:	90
Inspection Date:		Lon MM:	1
Casing Ft Bel Grnd:		Lon SS:	54
WBZ:		Latitude:	350922
Q9th Orphan:		Longitude:	900154
Form Log:	N	X:	-90.03166700000003
Accuracy:	S	Y:	35.15611100000001
Accuracy Desc:	Nearest second		
Owner Name:			
Location:			
Link ID:	https://dataviewers.tdec.tn.gov/dataviewers/f?p=2005:39930:::::P39930_WELL_REPORT_NUMBER:15709720		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
67	NE	0.49	2,584.18	255.85	WATER WELLS

Well No:	15709722	Work Type:	
License Code:	30	County Name:	SHELBY
Well Use:		Description:	
Driller Report ID:	1443136	Finish Type:	
Driller Tag No:		Finish from Ft:	
Well No R4:	9722	Finish to Ft:	
Quad No:	0404NE	Quality:	
Quad Name:	NORTHWEST-MEMPHIS	Casing Type:	
Quad Nth:		Latitude DD:	35.153611
Cmpltn Date:	10/8/1971, 8:00 PM	Longitude DD:	-90.018889
Cmpltn Stati Level:		Lat DD:	35
Cmpltn Tot Depth:	790	Lat MM:	9
Cmpltn Est Yield:		Lat SS:	13
Inspection Tag No:		Lon DD:	90
Inspection Date:		Lon MM:	1
Casing Ft Bel Grnd:		Lon SS:	8
WBZ:		Latitude:	350913
Q9th Orphan:		Longitude:	900108
Form Log:	N	X:	-90.018889
Accuracy:	S	Y:	35.15361100000001
Accuracy Desc:	Nearest second		
Owner Name:			
Location:			
Link ID:	https://dataviewers.tdec.tn.gov/dataviewers/f?p=2005:39930:::::P39930_WELL_REPORT_NUMBER:15709722		

Wells and Additional Sources Detail Report

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
69	NNW	0.49	2,596.53	251.32	WATER WELLS

Well No:	15709658	Work Type:	
License Code:	740	County Name:	SHELBY
Well Use:		Description:	
Driller Report ID:	1443076	Finish Type:	
Driller Tag No:		Finish from Ft:	
Well No R4:	9658	Finish to Ft:	
Quad No:	0404NE	Quality:	
Quad Name:	NORTHWEST-MEMPHIS	Casing Type:	
Quad Nth:		Latitude DD:	35.156110999999996
Cmpltn Date:		Longitude DD:	-90.031944
Cmpltn Stati Level:		Lat DD:	35
Cmpltn Tot Depth:	472	Lat MM:	9
Cmpltn Est Yield:		Lat SS:	22
Inspection Tag No:		Lon DD:	90
Inspection Date:		Lon MM:	1
Casing Ft Bel Grnd:		Lon SS:	55
WBZ:		Latitude:	350922
Q9th Orphan:		Longitude:	900155
Form Log:	N	X:	-90.03194400000001
Accuracy:	S	Y:	35.15611100000001
Accuracy Desc:	Nearest second		
Owner Name:			
Location:			
Link ID:	https://dataviewers.tdec.tn.gov/dataviewers/f?p=2005:39930:::::P39930_WELL_REPORT_NUMBER:15709658		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
71	NE	0.53	2,778.45	250.69	WATER WELLS

Well No:	15709727	Work Type:	New Well
License Code:	740	County Name:	SHELBY
Well Use:		Description:	
Driller Report ID:	1443141	Finish Type:	
Driller Tag No:		Finish from Ft:	
Well No R4:	9727	Finish to Ft:	
Quad No:	0404NE	Quality:	
Quad Name:	NORTHWEST-MEMPHIS	Casing Type:	
Quad Nth:		Latitude DD:	35.153889
Cmpltn Date:		Longitude DD:	-90.018333
Cmpltn Stati Level:		Lat DD:	35
Cmpltn Tot Depth:	760	Lat MM:	9
Cmpltn Est Yield:		Lat SS:	14

Inspection Tag No:		Lon DD:	90
Inspection Date:		Lon MM:	1
Casing Ft Bel Grnd:		Lon SS:	6
WBZ:		Latitude:	350914
Q9th Orphan:		Longitude:	900106
Form Log:	N	X:	-90.01832712179522
Accuracy:	S	Y:	35.153882505964226
Accuracy Desc:	Nearest second		
Owner Name:			
Location:			
Link ID:	https://dataviewers.tdec.tn.gov/dataviewers/f?p=2005:39930:::::P39930_WELL_REPORT_NUMBER:15709727		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
77	ENE	0.58	3,077.73	246.74	WATER WELLS

Well No:	15709625	Work Type:	
License Code:	740	County Name:	SHELBY
Well Use:		Description:	
Driller Report ID:	1443043	Finish Type:	
Driller Tag No:		Finish from Ft:	
Well No R4:	9625	Finish to Ft:	
Quad No:	0404NE	Quality:	Good
Quad Name:	NORTHWEST-MEMPHIS	Casing Type:	
Quad Nth:		Latitude DD:	35.153611
Cmpltn Date:		Longitude DD:	-90.016944
Cmpltn Stati Level:		Lat DD:	35
Cmpltn Tot Depth:		Lat MM:	9
Cmpltn Est Yield:		Lat SS:	13
Inspection Tag No:		Lon DD:	90
Inspection Date:		Lon MM:	1
Casing Ft Bel Grnd:		Lon SS:	1
WBZ:		Latitude:	350913
Q9th Orphan:		Longitude:	900101
Form Log:	N	X:	-90.01694400000002
Accuracy:	S	Y:	35.15361100000001
Accuracy Desc:	Nearest second		
Owner Name:			
Location:			
Link ID:	https://dataviewers.tdec.tn.gov/dataviewers/f?p=2005:39930:::::P39930_WELL_REPORT_NUMBER:15709625		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
78	ENE	0.59	3,128.02	244.54	WATER WELLS

Well No:	15709660	Work Type:	
License Code:	740	County Name:	SHELBY

Wells and Additional Sources Detail Report

Well Use:		Description:	
Driller Report ID:	1443078	Finish Type:	
Driller Tag No:		Finish from Ft:	
Well No R4:	9660	Finish to Ft:	
Quad No:	0404NE	Quality:	
Quad Name:	NORTHWEST-MEMPHIS	Casing Type:	
Quad Nth:		Latitude DD:	35.153889
Cmpltn Date:		Longitude DD:	-90.016944
Cmpltn Stati Level:	51	Lat DD:	35
Cmpltn Tot Depth:	1376	Lat MM:	9
Cmpltn Est Yield:		Lat SS:	14
Inspection Tag No:		Lon DD:	90
Inspection Date:		Lon MM:	1
Casing Ft Bel Grnd:		Lon SS:	1
WBZ:		Latitude:	350914
Q9th Orphan:		Longitude:	900101
Form Log:	N	X:	-90.01694400000002
Accuracy:	S	Y:	35.15388899999999
Accuracy Desc:	Nearest second		
Owner Name:			
Location:			
Link ID:	https://dataviewers.tdec.tn.gov/dataviewers/f?p=2005:39930:::::P39930_WELL_REPORT_NUMBER:15709660		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
79	ENE	0.60	3,150.47	245.67	WATER WELLS

Well No:	15709626	Work Type:	
License Code:	740	County Name:	SHELBY
Well Use:		Description:	
Driller Report ID:	1443044	Finish Type:	
Driller Tag No:		Finish from Ft:	
Well No R4:	9626	Finish to Ft:	
Quad No:	0404NE	Quality:	Good
Quad Name:	NORTHWEST-MEMPHIS	Casing Type:	
Quad Nth:		Latitude DD:	35.153611
Cmpltn Date:	4/27/1941, 8:00 PM	Longitude DD:	-90.016667
Cmpltn Stati Level:	85	Lat DD:	35
Cmpltn Tot Depth:	490	Lat MM:	9
Cmpltn Est Yield:		Lat SS:	13
Inspection Tag No:		Lon DD:	90
Inspection Date:		Lon MM:	1
Casing Ft Bel Grnd:		Lon SS:	0
WBZ:		Latitude:	350913
Q9th Orphan:		Longitude:	900100
Form Log:	N	X:	-90.01666699999998
Accuracy:	S	Y:	35.15361100000001

Accuracy Desc:	Nearest second
Owner Name:	
Location:	
Link ID:	https://dataviewers.tdec.tn.gov/dataviewers/f?p=2005:39930:::::P39930_WELL_REPORT_NUMBER:15709626

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
80	ENE	0.62	3,251.17	243.84	WATER WELLS

Well No:	15701030	Work Type:	
License Code:	29	County Name:	SHELBY
Well Use:		Description:	
Driller Report ID:	1441854	Finish Type:	Slotted
Driller Tag No:		Finish from Ft:	679
Well No R4:	1030	Finish to Ft:	779
Quad No:	0404NE	Quality:	Good
Quad Name:	NORTHWEST-MEMPHIS	Casing Type:	Steel
Quad Nth:		Latitude DD:	35.154167
Cmpltn Date:	7/19/1973, 8:00 PM	Longitude DD:	-90.016667
Cmpltn Stati Level:	133	Lat DD:	35
Cmpltn Tot Depth:	779	Lat MM:	9
Cmpltn Est Yield:		Lat SS:	15
Inspection Tag No:		Lon DD:	90
Inspection Date:		Lon MM:	1
Casing Ft Bel Grnd:	647	Lon SS:	0
WBZ:		Latitude:	350915
Q9th Orphan:		Longitude:	900100
Form Log:	N	X:	-90.01666699999998
Accuracy:	F	Y:	35.15416699999997
Accuracy Desc:	Nearest 15 seconds		
Owner Name:			
Location:	PARKWAY/WATKINS		
Link ID:	https://dataviewers.tdec.tn.gov/dataviewers/f?p=2005:39930:::::P39930_WELL_REPORT_NUMBER:15701030		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
80	ENE	0.62	3,251.17	243.84	WATER WELLS

Well No:	15701037	Work Type:	
License Code:	30	County Name:	SHELBY
Well Use:		Description:	
Driller Report ID:	1441861	Finish Type:	Screen
Driller Tag No:		Finish from Ft:	430
Well No R4:	1037	Finish to Ft:	510
Quad No:	0404NE	Quality:	Good
Quad Name:	NORTHWEST-MEMPHIS	Casing Type:	Steel
Quad Nth:	9	Latitude DD:	35.154167

Wells and Additional Sources Detail Report

Cmpltn Date:		Longitude DD:	-90.016667
Cmpltn Stati Level:	120	Lat DD:	35
Cmpltn Tot Depth:	512	Lat MM:	9
Cmpltn Est Yield:	2500	Lat SS:	15
Inspection Tag No:		Lon DD:	90
Inspection Date:		Lon MM:	1
Casing Ft Bel Grnd:	421	Lon SS:	0
WBZ:		Latitude:	350915
Q9th Orphan:		Longitude:	900100
Form Log:	N	X:	-90.01666699999998
Accuracy:	F	Y:	35.15416699999997
Accuracy Desc:	Nearest 15 seconds		
Owner Name:			
Location:	WATKINS AT LENRR		
Link ID:	https://dataviewers.tdec.tn.gov/dataviewers/f?p=2005:39930:::::P39930_WELL_REPORT_NUMBER:15701037		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
80	ENE	0.62	3,251.17	243.84	WATER WELLS

Well No:	15701029	Work Type:	
License Code:	29	County Name:	SHELBY
Well Use:		Description:	
Driller Report ID:	1441853	Finish Type:	Slotted
Driller Tag No:		Finish from Ft:	672
Well No R4:	1029	Finish to Ft:	772
Quad No:	0404NE	Quality:	
Quad Name:	NORTHWEST-MEMPHIS	Casing Type:	Steel
Quad Nth:		Latitude DD:	35.154167
Cmpltn Date:	8/23/1973, 8:00 PM	Longitude DD:	-90.016667
Cmpltn Stati Level:	138	Lat DD:	35
Cmpltn Tot Depth:	772	Lat MM:	9
Cmpltn Est Yield:		Lat SS:	15
Inspection Tag No:		Lon DD:	90
Inspection Date:		Lon MM:	1
Casing Ft Bel Grnd:	650	Lon SS:	0
WBZ:		Latitude:	350915
Q9th Orphan:		Longitude:	900100
Form Log:	N	X:	-90.01666699999998
Accuracy:	F	Y:	35.15416699999997
Accuracy Desc:	Nearest 15 seconds		
Owner Name:			
Location:	1293 CLAYBROOK		
Link ID:	https://dataviewers.tdec.tn.gov/dataviewers/f?p=2005:39930:::::P39930_WELL_REPORT_NUMBER:15701029		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
82	ENE	0.63	3,328.79	240.34	WATER WELLS

Well No:	15709715	Work Type:	
License Code:	29	County Name:	SHELBY
Well Use:		Description:	
Driller Report ID:	1443129	Finish Type:	
Driller Tag No:		Finish from Ft:	
Well No R4:	9715	Finish to Ft:	
Quad No:	0404NE	Quality:	
Quad Name:	NORTHWEST-MEMPHIS	Casing Type:	
Quad Nth:		Latitude DD:	35.153332999999996
Cmpltn Date:	7/24/1973, 8:00 PM	Longitude DD:	-90.015833
Cmpltn Stati Level:		Lat DD:	35
Cmpltn Tot Depth:	818	Lat MM:	9
Cmpltn Est Yield:		Lat SS:	12
Inspection Tag No:		Lon DD:	90
Inspection Date:		Lon MM:	0
Casing Ft Bel Grnd:		Lon SS:	57
WBZ:		Latitude:	350912
Q9th Orphan:		Longitude:	900057
Form Log:	N	X:	-90.01583299999999
Accuracy:	S	Y:	35.153332999999975
Accuracy Desc:	Nearest second		
Owner Name:			
Location:			
Link ID:	https://dataviewers.tdec.tn.gov/dataviewers/f?p=2005:39930:::::P39930_WELL_REPORT_NUMBER:15709715		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
83	ENE	0.64	3,404.26	240.23	WATER WELLS

Well No:	15709628	Work Type:	
License Code:	740	County Name:	SHELBY
Well Use:		Description:	
Driller Report ID:	1443046	Finish Type:	
Driller Tag No:		Finish from Ft:	
Well No R4:	9628	Finish to Ft:	
Quad No:	0404NE	Quality:	Good
Quad Name:	NORTHWEST-MEMPHIS	Casing Type:	
Quad Nth:		Latitude DD:	35.153332999999996
Cmpltn Date:		Longitude DD:	-90.01555599999999
Cmpltn Stati Level:	87	Lat DD:	35
Cmpltn Tot Depth:	521	Lat MM:	9
Cmpltn Est Yield:		Lat SS:	12
Inspection Tag No:		Lon DD:	90
Inspection Date:		Lon MM:	0
Casing Ft Bel Grnd:		Lon SS:	56

WBZ:		Latitude:	350912
Q9th Orphan:		Longitude:	900056
Form Log:	N	X:	-90.015556
Accuracy:	S	Y:	35.153332999999975
Accuracy Desc:	Nearest second		
Owner Name:			
Location:			
Link ID:	https://dataviewers.tdec.tn.gov/dataviewers/f?p=2005:39930:::::P39930_WELL_REPORT_NUMBER:15709628		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
84	SSW	0.64	3,402.10	264.41	WATER WELLS

Well No:	15709504	Work Type:	New Well
License Code:	29	County Name:	SHELBY
Well Use:	Commercial	Description:	
Driller Report ID:	1442925	Finish Type:	
Driller Tag No:		Finish from Ft:	
Well No R4:	9504	Finish to Ft:	
Quad No:	0404NE	Quality:	Unknown
Quad Name:	NORTHWEST-MEMPHIS	Casing Type:	
Quad Nth:		Latitude DD:	35.139722
Cmpltn Date:		Longitude DD:	-90.031389
Cmpltn Stati Level:	77	Lat DD:	35
Cmpltn Tot Depth:	490	Lat MM:	8
Cmpltn Est Yield:		Lat SS:	23
Inspection Tag No:		Lon DD:	90
Inspection Date:		Lon MM:	1
Casing Ft Bel Grnd:		Lon SS:	53
WBZ:		Latitude:	350823
Q9th Orphan:		Longitude:	900153
Form Log:	N	X:	-90.0313831191208
Accuracy:	S	Y:	35.13971550932898
Accuracy Desc:	Nearest second		
Owner Name:			
Location:			
Link ID:	https://dataviewers.tdec.tn.gov/dataviewers/f?p=2005:39930:::::P39930_WELL_REPORT_NUMBER:15709504		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
86	ENE	0.66	3,480.33	240.34	WATER WELLS

Well No:	15709627	Work Type:	
License Code:	740	County Name:	SHELBY
Well Use:		Description:	
Driller Report ID:	1443045	Finish Type:	
Driller Tag No:		Finish from Ft:	

Well No R4:	9627	Finish to Ft:	
Quad No:	0404NE	Quality:	Good
Quad Name:	NORTHWEST-MEMPHIS	Casing Type:	
Quad Nth:		Latitude DD:	35.153332999999996
Cmpltn Date:		Longitude DD:	-90.015278
Cmpltn Stati Level:		Lat DD:	35
Cmpltn Tot Depth:	532	Lat MM:	9
Cmpltn Est Yield:		Lat SS:	12
Inspection Tag No:		Lon DD:	90
Inspection Date:		Lon MM:	0
Casing Ft Bel Grnd:		Lon SS:	55
WBZ:		Latitude:	350912
Q9th Orphan:		Longitude:	900055
Form Log:	N	X:	-90.01527800000002
Accuracy:	S	Y:	35.153332999999975
Accuracy Desc:	Nearest second		
Owner Name:			
Location:			
Link ID:	https://dataviewers.tdec.tn.gov/dataviewers/f?p=2005:39930:::::P39930_WELL_REPORT_NUMBER:15709627		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
87	N	0.69	3,637.06	254.42	WATER WELLS

Well No:	15709667	Work Type:	
License Code:	29	County Name:	SHELBY
Well Use:		Description:	
Driller Report ID:	1443085	Finish Type:	
Driller Tag No:		Finish from Ft:	
Well No R4:	9667	Finish to Ft:	
Quad No:	0404NE	Quality:	Good
Quad Name:	NORTHWEST-MEMPHIS	Casing Type:	
Quad Nth:		Latitude DD:	35.159721999999995
Cmpltn Date:	4/15/1948, 7:00 PM	Longitude DD:	-90.0275
Cmpltn Stati Level:		Lat DD:	35
Cmpltn Tot Depth:	572	Lat MM:	9
Cmpltn Est Yield:		Lat SS:	35
Inspection Tag No:		Lon DD:	90
Inspection Date:		Lon MM:	1
Casing Ft Bel Grnd:		Lon SS:	39
WBZ:		Latitude:	350935
Q9th Orphan:		Longitude:	900139
Form Log:	N	X:	-90.02749999999997
Accuracy:	S	Y:	35.15972199999999
Accuracy Desc:	Nearest second		
Owner Name:			
Location:			

Wells and Additional Sources Detail Report

Link ID: https://dataviewers.tdec.tn.gov/dataviewers/f?p=2005:39930:::::P39930_WELL_REPORT_NUMBER:15709667

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
87	N	0.69	3,637.06	254.42	WATER WELLS

Well No:	20041112	Work Type:	
License Code:	29	County Name:	SHELBY
Well Use:		Description:	
Driller Report ID:	1491830	Finish Type:	Screen
Driller Tag No:	D0066954	Finish from Ft:	485
Well No R4:	1112	Finish to Ft:	595
Quad No:	0404NE	Quality:	Clear
Quad Name:	NORTHWEST-MEMPHIS	Casing Type:	Steel
Quad Nth:	9	Latitude DD:	35.159721999999995
Cmpltn Date:	3/31/2004, 7:00 PM	Longitude DD:	-90.0275
Cmpltn Stati Level:	100	Lat DD:	35
Cmpltn Tot Depth:	601	Lat MM:	9
Cmpltn Est Yield:	1400	Lat SS:	35
Inspection Tag No:		Lon DD:	90
Inspection Date:		Lon MM:	1
Casing Ft Bel Grnd:	480	Lon SS:	39
WBZ:		Latitude:	350935
Q9th Orphan:		Longitude:	900139
Form Log:	Y	X:	-90.02749999999997
Accuracy:		Y:	35.15972199999999
Accuracy Desc:			
Owner Name:			
Location:	720 AYERS STREET		
Link ID:	https://dataviewers.tdec.tn.gov/dataviewers/f?p=2005:39930:::::P39930_WELL_REPORT_NUMBER:20041112		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
91	ENE	0.71	3,760.03	241.38	WATER WELLS

Well No:	15709719	Work Type:	
License Code:	740	County Name:	SHELBY
Well Use:		Description:	
Driller Report ID:	1443133	Finish Type:	
Driller Tag No:		Finish from Ft:	
Well No R4:	9719	Finish to Ft:	
Quad No:	0404NE	Quality:	
Quad Name:	NORTHWEST-MEMPHIS	Casing Type:	
Quad Nth:		Latitude DD:	35.154167
Cmpltn Date:		Longitude DD:	-90.01472199999999
Cmpltn Stati Level:		Lat DD:	35
Cmpltn Tot Depth:	530	Lat MM:	9

Cmpltn Est Yield:		Lat SS:	15
Inspection Tag No:		Lon DD:	90
Inspection Date:		Lon MM:	0
Casing Ft Bel Grnd:		Lon SS:	53
WBZ:		Latitude:	350915
Q9th Orphan:		Longitude:	900053
Form Log:	N	X:	-90.014722
Accuracy:	S	Y:	35.15416699999997
Accuracy Desc:	Nearest second		
Owner Name:			
Location:			
Link ID:	https://dataviewers.tdec.tn.gov/dataviewers/f?p=2005:39930:::::P39930_WELL_REPORT_NUMBER:15709719		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
91	ENE	0.71	3,760.03	241.38	WATER WELLS

Well No:	15709723	Work Type:	
License Code:	30	County Name:	SHELBY
Well Use:		Description:	
Driller Report ID:	1443137	Finish Type:	
Driller Tag No:		Finish from Ft:	
Well No R4:	9723	Finish to Ft:	
Quad No:	0404NE	Quality:	
Quad Name:	NORTHWEST-MEMPHIS	Casing Type:	
Quad Nth:		Latitude DD:	35.154167
Cmpltn Date:	11/14/1971, 7:00 PM	Longitude DD:	-90.01472199999999
Cmpltn Stati Level:		Lat DD:	35
Cmpltn Tot Depth:	761	Lat MM:	9
Cmpltn Est Yield:		Lat SS:	15
Inspection Tag No:		Lon DD:	90
Inspection Date:		Lon MM:	0
Casing Ft Bel Grnd:		Lon SS:	53
WBZ:		Latitude:	350915
Q9th Orphan:		Longitude:	900053
Form Log:	N	X:	-90.014722
Accuracy:	S	Y:	35.15416699999997
Accuracy Desc:	Nearest second		
Owner Name:			
Location:			
Link ID:	https://dataviewers.tdec.tn.gov/dataviewers/f?p=2005:39930:::::P39930_WELL_REPORT_NUMBER:15709723		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
94	SW	0.73	3,838.71	255.12	WATER WELLS

Well No:	15709549	Work Type:	New Well

Wells and Additional Sources Detail Report

License Code:	740	County Name:	SHELBY
Well Use:	Residential	Description:	
Driller Report ID:	1442970	Finish Type:	
Driller Tag No:		Finish from Ft:	
Well No R4:	9549	Finish to Ft:	
Quad No:	0404NE	Quality:	Good
Quad Name:	NORTHWEST-MEMPHIS	Casing Type:	
Quad Nth:		Latitude DD:	35.141667
Cmpltn Date:	5/10/1946, 8:00 PM	Longitude DD:	-90.037222
Cmpltn Stati Level:		Lat DD:	35
Cmpltn Tot Depth:	408	Lat MM:	8
Cmpltn Est Yield:		Lat SS:	30
Inspection Tag No:		Lon DD:	90
Inspection Date:		Lon MM:	2
Casing Ft Bel Grnd:		Lon SS:	14
WBZ:		Latitude:	350830
Q9th Orphan:		Longitude:	900214
Form Log:	N	X:	-90.03721611738183
Accuracy:	S	Y:	35.141660509205394
Accuracy Desc:	Nearest second		
Owner Name:			
Location:			
Link ID:	https://dataviewers.tdec.tn.gov/dataviewers/f?p=2005:39930:::::P39930_WELL_REPORT_NUMBER:15709549		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
95	SW	0.73	3,843.25	255.31	WATER WELLS

Well No:	15709548	Work Type:	New Well
License Code:	740	County Name:	SHELBY
Well Use:	Industrial	Description:	
Driller Report ID:	1442969	Finish Type:	
Driller Tag No:		Finish from Ft:	
Well No R4:	9548	Finish to Ft:	
Quad No:	0404NE	Quality:	Good
Quad Name:	NORTHWEST-MEMPHIS	Casing Type:	
Quad Nth:		Latitude DD:	35.141389
Cmpltn Date:		Longitude DD:	-90.036944
Cmpltn Stati Level:		Lat DD:	35
Cmpltn Tot Depth:	473	Lat MM:	8
Cmpltn Est Yield:		Lat SS:	29
Inspection Tag No:		Lon DD:	90
Inspection Date:		Lon MM:	2
Casing Ft Bel Grnd:		Lon SS:	13
WBZ:		Latitude:	350829
Q9th Orphan:		Longitude:	900213
Form Log:	N	X:	-90.03693811747692

Accuracy:	S	Y:	35.141382509247734
Accuracy Desc:	Nearest second		
Owner Name:			
Location:			
Link ID:	https://dataviewers.tdec.tn.gov/dataviewers/f?p=2005:39930:::::P39930_WELL_REPORT_NUMBER:15709548		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
96	ENE	0.74	3,908.96	243.13	WATER WELLS

Well No:	15709630	Work Type:	
License Code:	740	County Name:	SHELBY
Well Use:		Description:	
Driller Report ID:	1443048	Finish Type:	
Driller Tag No:		Finish from Ft:	
Well No R4:	9630	Finish to Ft:	
Quad No:	0404NE	Quality:	Good
Quad Name:	NORTHWEST-MEMPHIS	Casing Type:	
Quad Nth:		Latitude DD:	35.154167
Cmpltn Date:		Longitude DD:	-90.014167
Cmpltn Stati Level:	72	Lat DD:	35
Cmpltn Tot Depth:	484	Lat MM:	9
Cmpltn Est Yield:		Lat SS:	15
Inspection Tag No:		Lon DD:	90
Inspection Date:		Lon MM:	0
Casing Ft Bel Grnd:		Lon SS:	51
WBZ:		Latitude:	350915
Q9th Orphan:		Longitude:	900051
Form Log:	N	X:	-90.01416699999999
Accuracy:	S	Y:	35.15416699999997
Accuracy Desc:	Nearest second		
Owner Name:			
Location:			
Link ID:	https://dataviewers.tdec.tn.gov/dataviewers/f?p=2005:39930:::::P39930_WELL_REPORT_NUMBER:15709630		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
97	ENE	0.75	3,942.51	246.16	WATER WELLS

Well No:	15709714	Work Type:	
License Code:	29	County Name:	SHELBY
Well Use:		Description:	
Driller Report ID:	1443128	Finish Type:	
Driller Tag No:		Finish from Ft:	
Well No R4:	9714	Finish to Ft:	
Quad No:	0404NE	Quality:	
Quad Name:	NORTHWEST-MEMPHIS	Casing Type:	

Quad Nth:		Latitude DD:	35.153332999999996
Cmpltn Date:	6/28/1973, 8:00 PM	Longitude DD:	-90.013611
Cmpltn Stati Level:		Lat DD:	35
Cmpltn Tot Depth:	830	Lat MM:	9
Cmpltn Est Yield:		Lat SS:	12
Inspection Tag No:		Lon DD:	90
Inspection Date:		Lon MM:	0
Casing Ft Bel Grnd:		Lon SS:	49
WBZ:		Latitude:	350912
Q9th Orphan:		Longitude:	900049
Form Log:	N	X:	-90.01361100000003
Accuracy:	S	Y:	35.153332999999975
Accuracy Desc:	Nearest second		
Owner Name:			
Location:			
Link ID:	https://dataviewers.tdec.tn.gov/dataviewers/f?p=2005:39930:::::P39930_WELL_REPORT_NUMBER:15709714		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
100	ENE	0.75	3,984.07	243.06	WATER WELLS

Well No:	15709629	Work Type:	
License Code:	740	County Name:	SHELBY
Well Use:		Description:	
Driller Report ID:	1443047	Finish Type:	
Driller Tag No:		Finish from Ft:	
Well No R4:	9629	Finish to Ft:	
Quad No:	0404NE	Quality:	Good
Quad Name:	NORTHWEST-MEMPHIS	Casing Type:	
Quad Nth:		Latitude DD:	35.154167
Cmpltn Date:		Longitude DD:	-90.01388899999999
Cmpltn Stati Level:		Lat DD:	35
Cmpltn Tot Depth:	495	Lat MM:	9
Cmpltn Est Yield:		Lat SS:	15
Inspection Tag No:		Lon DD:	90
Inspection Date:		Lon MM:	0
Casing Ft Bel Grnd:		Lon SS:	50
WBZ:		Latitude:	350915
Q9th Orphan:		Longitude:	900050
Form Log:	N	X:	-90.013889
Accuracy:	S	Y:	35.15416699999997
Accuracy Desc:	Nearest second		
Owner Name:			
Location:			
Link ID:	https://dataviewers.tdec.tn.gov/dataviewers/f?p=2005:39930:::::P39930_WELL_REPORT_NUMBER:15709629		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
102	ENE	0.77	4,065.19	247.49	WATER WELLS

Well No:	20172132	Work Type:	
License Code:	1024	County Name:	SHELBY
Well Use:		Description:	
Driller Report ID:	1542099	Finish Type:	Screen
Driller Tag No:	D0107866	Finish from Ft:	580
Well No R4:	2132	Finish to Ft:	680
Quad No:	0404NE	Quality:	Clear
Quad Name:	NORTHWEST-MEMPHIS	Casing Type:	Steel
Quad Nth:	9	Latitude DD:	35.153056
Cmpltn Date:	11/16/2017, 7:00 PM	Longitude DD:	-90.01305599999999
Cmpltn Stati Level:	90	Lat DD:	35
Cmpltn Tot Depth:	680	Lat MM:	9
Cmpltn Est Yield:	1400	Lat SS:	11
Inspection Tag No:		Lon DD:	90
Inspection Date:		Lon MM:	0
Casing Ft Bel Grnd:	575	Lon SS:	47
WBZ:		Latitude:	350911
Q9th Orphan:		Longitude:	900047
Form Log:	Y	X:	-90.013056
Accuracy:		Y:	35.15305599999999
Accuracy Desc:			
Owner Name:			
Location:	1377 NORHT PARKWAY		
Link ID:	https://dataviewers.tdec.tn.gov/dataviewers/f?p=2005:39930:::::P39930_WELL_REPORT_NUMBER:20172132		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
102	ENE	0.77	4,065.19	247.49	WATER WELLS

Well No:	15709581	Work Type:	New Well
License Code:	29	County Name:	SHELBY
Well Use:	Commercial	Description:	
Driller Report ID:	1443001	Finish Type:	
Driller Tag No:		Finish from Ft:	
Well No R4:	9581	Finish to Ft:	
Quad No:	0404NE	Quality:	
Quad Name:	NORTHWEST-MEMPHIS	Casing Type:	
Quad Nth:		Latitude DD:	35.153056
Cmpltn Date:		Longitude DD:	-90.013056
Cmpltn Stati Level:	61	Lat DD:	35
Cmpltn Tot Depth:	526	Lat MM:	9
Cmpltn Est Yield:		Lat SS:	11
Inspection Tag No:		Lon DD:	90
Inspection Date:		Lon MM:	0

Casing Ft Bel Grnd:		Lon SS:	47
WBZ:		Latitude:	350911
Q9th Orphan:		Longitude:	900047
Form Log:	N	X:	-90.01305012330789
Accuracy:	S	Y:	35.15304950589375
Accuracy Desc:	Nearest second		
Owner Name:			
Location:			
Link ID:	https://dataviewers.tdec.tn.gov/dataviewers/f?p=2005:39930:::::P39930_WELL_REPORT_NUMBER:15709581		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
102	ENE	0.77	4,065.19	247.49	WATER WELLS

Well No:	20161086	Work Type:	New Well
License Code:	1024	County Name:	SHELBY
Well Use:	Commercial	Description:	
Driller Report ID:	1537747	Finish Type:	
Driller Tag No:	BA3466	Finish from Ft:	646
Well No R4:	1086	Finish to Ft:	746
Quad No:	0404NE	Quality:	
Quad Name:	NORTHWEST-MEMPHIS	Casing Type:	
Quad Nth:	3	Latitude DD:	35.153056
Cmpltn Date:	4/21/2016, 8:00 PM	Longitude DD:	-90.013056
Cmpltn Stati Level:		Lat DD:	35
Cmpltn Tot Depth:	746	Lat MM:	9
Cmpltn Est Yield:		Lat SS:	11
Inspection Tag No:		Lon DD:	90
Inspection Date:		Lon MM:	0
Casing Ft Bel Grnd:	641	Lon SS:	47
WBZ:		Latitude:	350911
Q9th Orphan:		Longitude:	900047
Form Log:	N	X:	-90.01305012330789
Accuracy:		Y:	35.15304950589375
Accuracy Desc:			
Owner Name:			
Location:	1377 NORTH PARKWAY AVE		
Link ID:	https://dataviewers.tdec.tn.gov/dataviewers/f?p=2005:39930:::::P39930_WELL_REPORT_NUMBER:20161086		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
103	ENE	0.78	4,098.28	246.02	WATER WELLS

Well No:	15709631	Work Type:	
License Code:	740	County Name:	SHELBY
Well Use:		Description:	
Driller Report ID:	1443049	Finish Type:	

Driller Tag No:		Finish from Ft:	
Well No R4:	9631	Finish to Ft:	
Quad No:	0404NE	Quality:	Unknown
Quad Name:	NORTHWEST-MEMPHIS	Casing Type:	
Quad Nth:		Latitude DD:	35.153332999999996
Cmpltn Date:		Longitude DD:	-90.01305599999999
Cmpltn Stati Level:		Lat DD:	35
Cmpltn Tot Depth:	527	Lat MM:	9
Cmpltn Est Yield:		Lat SS:	12
Inspection Tag No:		Lon DD:	90
Inspection Date:		Lon MM:	0
Casing Ft Bel Grnd:		Lon SS:	47
WBZ:		Latitude:	350912
Q9th Orphan:		Longitude:	900047
Form Log:	N	X:	-90.013056
Accuracy:	S	Y:	35.153332999999975
Accuracy Desc:	Nearest second		
Owner Name:			
Location:			
Link ID:	https://dataviewers.tdec.tn.gov/dataviewers/f?p=2005:39930:::::P39930_WELL_REPORT_NUMBER:15709631		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
104	ENE	0.78	4,133.69	242.10	WATER WELLS

Well No:	15709632	Work Type:	
License Code:	740	County Name:	SHELBY
Well Use:		Description:	
Driller Report ID:	1443050	Finish Type:	
Driller Tag No:		Finish from Ft:	
Well No R4:	9632	Finish to Ft:	
Quad No:	0404NE	Quality:	Good
Quad Name:	NORTHWEST-MEMPHIS	Casing Type:	
Quad Nth:		Latitude DD:	35.153611
Cmpltn Date:		Longitude DD:	-90.01305599999999
Cmpltn Stati Level:	78	Lat DD:	35
Cmpltn Tot Depth:	494	Lat MM:	9
Cmpltn Est Yield:		Lat SS:	13
Inspection Tag No:		Lon DD:	90
Inspection Date:		Lon MM:	0
Casing Ft Bel Grnd:		Lon SS:	47
WBZ:		Latitude:	350913
Q9th Orphan:		Longitude:	900047
Form Log:	N	X:	-90.013056
Accuracy:	S	Y:	35.15361100000001
Accuracy Desc:	Nearest second		
Owner Name:			

Wells and Additional Sources Detail Report

Location:
Link ID: https://dataviewers.tdec.tn.gov/dataviewers/f?p=2005:39930:::::P39930_WELL_REPORT_NUMBER:15709632

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
106	ENE	0.79	4,176.60	247.84	WATER WELLS

Well No:	15709665	Work Type:	
License Code:	740	County Name:	SHELBY
Well Use:		Description:	
Driller Report ID:	1443083	Finish Type:	
Driller Tag No:		Finish from Ft:	
Well No R4:	9665	Finish to Ft:	
Quad No:	0404NE	Quality:	Good
Quad Name:	NORTHWEST-MEMPHIS	Casing Type:	
Quad Nth:		Latitude DD:	35.153332999999996
Cmpltn Date:	12/14/1945, 7:00 PM	Longitude DD:	-90.012778
Cmpltn Stati Level:	61	Lat DD:	35
Cmpltn Tot Depth:	1373	Lat MM:	9
Cmpltn Est Yield:		Lat SS:	12
Inspection Tag No:		Lon DD:	90
Inspection Date:		Lon MM:	0
Casing Ft Bel Grnd:		Lon SS:	46
WBZ:		Latitude:	350912
Q9th Orphan:		Longitude:	900046
Form Log:	N	X:	-90.01277800000003
Accuracy:	S	Y:	35.153332999999975
Accuracy Desc:	Nearest second		
Owner Name:			
Location:			

Link ID: https://dataviewers.tdec.tn.gov/dataviewers/f?p=2005:39930:::::P39930_WELL_REPORT_NUMBER:15709665

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
107	NE	0.80	4,243.69	234.73	WATER WELLS

Well No:	15709600	Work Type:	New Well
License Code:	740	County Name:	SHELBY
Well Use:	Industrial	Description:	
Driller Report ID:	1443019	Finish Type:	
Driller Tag No:		Finish from Ft:	
Well No R4:	9600	Finish to Ft:	
Quad No:	0404NE	Quality:	Good
Quad Name:	NORTHWEST-MEMPHIS	Casing Type:	Steel
Quad Nth:		Latitude DD:	35.158333
Cmpltn Date:		Longitude DD:	-90.016667
Cmpltn Stati Level:	4	Lat DD:	35

Cmpltn Tot Depth:	108	Lat MM:	9
Cmpltn Est Yield:		Lat SS:	30
Inspection Tag No:		Lon DD:	90
Inspection Date:		Lon MM:	1
Casing Ft Bel Grnd:		Lon SS:	0
WBZ:		Latitude:	350930
Q9th Orphan:	Yes	Longitude:	900100
Form Log:	N	X:	-90.01666112196295
Accuracy:	S	Y:	35.15832650501668
Accuracy Desc:	Nearest second		
Owner Name:			
Location:			
Link ID:	https://dataviewers.tdec.tn.gov/dataviewers/f?p=2005:39930:::::P39930_WELL_REPORT_NUMBER:15709600		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
109	ENE	0.81	4,273.29	249.48	WATER WELLS

Well No:	15709729	Work Type:	
License Code:	30	County Name:	SHELBY
Well Use:		Description:	
Driller Report ID:	1443143	Finish Type:	
Driller Tag No:		Finish from Ft:	
Well No R4:	9729	Finish to Ft:	
Quad No:	0404NE	Quality:	
Quad Name:	NORTHWEST-MEMPHIS	Casing Type:	
Quad Nth:		Latitude DD:	35.152778
Cmpltn Date:	6/1/1972, 8:00 PM	Longitude DD:	-90.012222
Cmpltn Stati Level:		Lat DD:	35
Cmpltn Tot Depth:	614	Lat MM:	9
Cmpltn Est Yield:		Lat SS:	10
Inspection Tag No:		Lon DD:	90
Inspection Date:		Lon MM:	0
Casing Ft Bel Grnd:		Lon SS:	44
WBZ:		Latitude:	350910
Q9th Orphan:		Longitude:	900044
Form Log:	N	X:	-90.01222200000001
Accuracy:	S	Y:	35.15277800000001
Accuracy Desc:	Nearest second		
Owner Name:			
Location:			
Link ID:	https://dataviewers.tdec.tn.gov/dataviewers/f?p=2005:39930:::::P39930_WELL_REPORT_NUMBER:15709729		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
111	SSW	0.82	4,338.51	276.71	WATER WELLS

Wells and Additional Sources Detail Report

Well No:	15709517	Work Type:	New Well
License Code:	29	County Name:	SHELBY
Well Use:	Commercial	Description:	
Driller Report ID:	1442938	Finish Type:	
Driller Tag No:		Finish from Ft:	
Well No R4:	9517	Finish to Ft:	
Quad No:	0404NE	Quality:	Good
Quad Name:	NORTHWEST-MEMPHIS	Casing Type:	
Quad Nth:		Latitude DD:	35.1375
Cmpltn Date:		Longitude DD:	-90.033056
Cmpltn Stati Level:		Lat DD:	35
Cmpltn Tot Depth:	450	Lat MM:	8
Cmpltn Est Yield:		Lat SS:	15
Inspection Tag No:		Lon DD:	90
Inspection Date:		Lon MM:	1
Casing Ft Bel Grnd:		Lon SS:	59
WBZ:		Latitude:	350815
Q9th Orphan:		Longitude:	900159
Form Log:	N	X:	-90.03305011880649
Accuracy:	S	Y:	35.137493509839814
Accuracy Desc:	Nearest second		
Owner Name:			
Location:			
Link ID:	https://dataviewers.tdec.tn.gov/dataviewers/f?p=2005:39930:::::P39930_WELL_REPORT_NUMBER:15709517		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
112	N	0.84	4,456.72	247.21	WATER WELLS

Well No:	15709668	Work Type:	
License Code:	29	County Name:	SHELBY
Well Use:		Description:	
Driller Report ID:	1443086	Finish Type:	
Driller Tag No:		Finish from Ft:	
Well No R4:	9668	Finish to Ft:	
Quad No:	0404NE	Quality:	
Quad Name:	NORTHWEST-MEMPHIS	Casing Type:	
Quad Nth:		Latitude DD:	35.161944
Cmpltn Date:	4/4/1948, 7:00 PM	Longitude DD:	-90.02888999999999
Cmpltn Stati Level:		Lat DD:	35
Cmpltn Tot Depth:	638	Lat MM:	9
Cmpltn Est Yield:	1450	Lat SS:	43
Inspection Tag No:		Lon DD:	90
Inspection Date:		Lon MM:	1
Casing Ft Bel Grnd:		Lon SS:	44
WBZ:		Latitude:	350943
Q9th Orphan:		Longitude:	900144

Form Log:	N	X:	-90.02888899999999
Accuracy:	S	Y:	35.161944000000005
Accuracy Desc:	Nearest second		
Owner Name:			
Location:			
Link ID:	https://dataviewers.tdec.tn.gov/dataviewers/f?p=2005:39930:::::P39930_WELL_REPORT_NUMBER:15709668		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
113	ENE	0.83	4,363.71	245.79	WATER WELLS

Well No:	15701036	Work Type:	
License Code:	30	County Name:	SHELBY
Well Use:		Description:	
Driller Report ID:	1441860	Finish Type:	Screen
Driller Tag No:		Finish from Ft:	419
Well No R4:	1036	Finish to Ft:	509
Quad No:	0404NE	Quality:	Good
Quad Name:	NORTHWEST-MEMPHIS	Casing Type:	Steel
Quad Nth:	9	Latitude DD:	35.154167
Cmpltn Date:		Longitude DD:	-90.0125
Cmpltn Stati Level:	130	Lat DD:	35
Cmpltn Tot Depth:	512	Lat MM:	9
Cmpltn Est Yield:	2500	Lat SS:	15
Inspection Tag No:		Lon DD:	90
Inspection Date:		Lon MM:	0
Casing Ft Bel Grnd:	412	Lon SS:	45
WBZ:		Latitude:	350915
Q9th Orphan:		Longitude:	900045
Form Log:	N	X:	-90.01249999999999
Accuracy:	F	Y:	35.15416699999997
Accuracy Desc:	Nearest 15 seconds		
Owner Name:			
Location:	AUBURNDALE		
Link ID:	https://dataviewers.tdec.tn.gov/dataviewers/f?p=2005:39930:::::P39930_WELL_REPORT_NUMBER:15701036		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
115	SSW	0.85	4,508.94	279.51	WATER WELLS

Well No:	15709514	Work Type:	New Well
License Code:	29	County Name:	SHELBY
Well Use:	Farm	Description:	
Driller Report ID:	1442935	Finish Type:	
Driller Tag No:		Finish from Ft:	
Well No R4:	9514	Finish to Ft:	
Quad No:	0404NE	Quality:	Good

Wells and Additional Sources Detail Report

Quad Name:	NORTHWEST-MEMPHIS	Casing Type:	
Quad Nth:		Latitude DD:	35.138056
Cmpltn Date:		Longitude DD:	-90.035556
Cmpltn Stati Level:		Lat DD:	35
Cmpltn Tot Depth:		Lat MM:	8
Cmpltn Est Yield:		Lat SS:	17
Inspection Tag No:		Lon DD:	90
Inspection Date:		Lon MM:	2
Casing Ft Bel Grnd:		Lon SS:	8
WBZ:		Latitude:	350817
Q9th Orphan:		Longitude:	900208
Form Log:	N	X:	-90.03555011807944
Accuracy:	S	Y:	35.13804950984145
Accuracy Desc:	Nearest second		
Owner Name:			
Location:			
Link ID:	https://dataviewers.tdec.tn.gov/dataviewers/f?p=2005:39930:::::P39930_WELL_REPORT_NUMBER:15709514		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
117	N	0.88	4,648.72	252.38	WATER WELLS

Well No:	15709661	Work Type:	
License Code:	29	County Name:	SHELBY
Well Use:		Description:	
Driller Report ID:	1443079	Finish Type:	
Driller Tag No:		Finish from Ft:	
Well No R4:	9661	Finish to Ft:	
Quad No:	0404NE	Quality:	Good
Quad Name:	NORTHWEST-MEMPHIS	Casing Type:	
Quad Nth:		Latitude DD:	35.1625
Cmpltn Date:		Longitude DD:	-90.027778
Cmpltn Stati Level:		Lat DD:	35
Cmpltn Tot Depth:	524	Lat MM:	9
Cmpltn Est Yield:		Lat SS:	45
Inspection Tag No:		Lon DD:	90
Inspection Date:		Lon MM:	1
Casing Ft Bel Grnd:		Lon SS:	40
WBZ:		Latitude:	350945
Q9th Orphan:		Longitude:	900140
Form Log:	N	X:	-90.02777800000001
Accuracy:	S	Y:	35.16250000000002
Accuracy Desc:	Nearest second		
Owner Name:			
Location:			
Link ID:	https://dataviewers.tdec.tn.gov/dataviewers/f?p=2005:39930:::::P39930_WELL_REPORT_NUMBER:15709661		

Wells and Additional Sources Detail Report

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
119	SSW	0.86	4,554.25	279.03	WATER WELLS

Well No:	15709512	Work Type:	New Well
License Code:	30	County Name:	SHELBY
Well Use:	Farm	Description:	
Driller Report ID:	1442933	Finish Type:	
Driller Tag No:		Finish from Ft:	
Well No R4:	9512	Finish to Ft:	
Quad No:	0404NE	Quality:	Good
Quad Name:	NORTHWEST-MEMPHIS	Casing Type:	
Quad Nth:		Latitude DD:	35.138056
Cmpltn Date:		Longitude DD:	-90.035833
Cmpltn Stati Level:		Lat DD:	35
Cmpltn Tot Depth:	524	Lat MM:	8
Cmpltn Est Yield:		Lat SS:	17
Inspection Tag No:		Lon DD:	90
Inspection Date:		Lon MM:	2
Casing Ft Bel Grnd:		Lon SS:	9
WBZ:		Latitude:	350817
Q9th Orphan:		Longitude:	900209
Form Log:	N	X:	-90.03582711800297
Accuracy:	S	Y:	35.13804950985373
Accuracy Desc:	Nearest second		
Owner Name:			
Location:			
Link ID:	https://dataviewers.tdec.tn.gov/dataviewers/f?p=2005:39930:::::P39930_WELL_REPORT_NUMBER:15709512		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
120	SSW	0.87	4,594.45	277.12	WATER WELLS

Well No:	15709513	Work Type:	New Well
License Code:	740	County Name:	SHELBY
Well Use:	Farm	Description:	
Driller Report ID:	1442934	Finish Type:	
Driller Tag No:		Finish from Ft:	
Well No R4:	9513	Finish to Ft:	
Quad No:	0404NE	Quality:	Good
Quad Name:	NORTHWEST-MEMPHIS	Casing Type:	
Quad Nth:		Latitude DD:	35.137778
Cmpltn Date:		Longitude DD:	-90.035556
Cmpltn Stati Level:		Lat DD:	35
Cmpltn Tot Depth:	597	Lat MM:	8
Cmpltn Est Yield:		Lat SS:	16
Inspection Tag No:		Lon DD:	90

Inspection Date:		Lon MM:	2
Casing Ft Bel Grnd:		Lon SS:	8
WBZ:		Latitude:	350816
Q9th Orphan:		Longitude:	900208
Form Log:	N	X:	-90.03555011809772
Accuracy:	S	Y:	35.13777150989612
Accuracy Desc:	Nearest second		
Owner Name:			
Location:			
Link ID:	https://dataviewers.tdec.tn.gov/dataviewers/f?p=2005:39930:::::P39930_WELL_REPORT_NUMBER:15709513		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
121	ENE	0.88	4,620.63	250.97	WATER WELLS

Well No:	15709633	Work Type:	
License Code:	740	County Name:	SHELBY
Well Use:		Description:	
Driller Report ID:	1443051	Finish Type:	
Driller Tag No:		Finish from Ft:	
Well No R4:	9633	Finish to Ft:	
Quad No:	0404NE	Quality:	
Quad Name:	NORTHWEST-MEMPHIS	Casing Type:	
Quad Nth:		Latitude DD:	35.153056
Cmpltn Date:		Longitude DD:	-90.011111
Cmpltn Stati Level:		Lat DD:	35
Cmpltn Tot Depth:	522	Lat MM:	9
Cmpltn Est Yield:		Lat SS:	11
Inspection Tag No:		Lon DD:	90
Inspection Date:		Lon MM:	0
Casing Ft Bel Grnd:		Lon SS:	40
WBZ:		Latitude:	350911
Q9th Orphan:		Longitude:	900040
Form Log:	N	X:	-90.01111100000003
Accuracy:	S	Y:	35.15305599999999
Accuracy Desc:	Nearest second		
Owner Name:			
Location:			
Link ID:	https://dataviewers.tdec.tn.gov/dataviewers/f?p=2005:39930:::::P39930_WELL_REPORT_NUMBER:15709633		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
122	WNW	0.87	4,583.78	232.93	WATER WELLS

Well No:	15709496	Work Type:	New Well
License Code:	740	County Name:	SHELBY
Well Use:		Description:	

Wells and Additional Sources Detail Report

Driller Report ID:	1442917	Finish Type:	
Driller Tag No:		Finish from Ft:	
Well No R4:	9496	Finish to Ft:	
Quad No:	0404NE	Quality:	Unknown
Quad Name:	NORTHWEST-MEMPHIS	Casing Type:	
Quad Nth:		Latitude DD:	35.155556
Cmpltn Date:		Longitude DD:	-90.041667
Cmpltn Stati Level:	45	Lat DD:	35
Cmpltn Tot Depth:	396	Lat MM:	9
Cmpltn Est Yield:		Lat SS:	20
Inspection Tag No:		Lon DD:	90
Inspection Date:		Lon MM:	2
Casing Ft Bel Grnd:		Lon SS:	30
WBZ:		Latitude:	350920
Q9th Orphan:		Longitude:	900230
Form Log:	N	X:	-90.04166111524012
Accuracy:	S	Y:	35.15554950667268
Accuracy Desc:	Nearest second		
Owner Name:			
Location:			
Link ID:	https://dataviewers.tdec.tn.gov/dataviewers/f?p=2005:39930:::::P39930_WELL_REPORT_NUMBER:15709496		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
124	SW	0.93	4,930.03	260.83	WATER WELLS

Well No:	15709547	Work Type:	New Well
License Code:	29	County Name:	SHELBY
Well Use:	Industrial	Description:	
Driller Report ID:	1442968	Finish Type:	
Driller Tag No:		Finish from Ft:	
Well No R4:	9547	Finish to Ft:	
Quad No:	0404NE	Quality:	Good
Quad Name:	NORTHWEST-MEMPHIS	Casing Type:	
Quad Nth:		Latitude DD:	35.14
Cmpltn Date:		Longitude DD:	-90.040278
Cmpltn Stati Level:	90	Lat DD:	35
Cmpltn Tot Depth:		Lat MM:	8
Cmpltn Est Yield:		Lat SS:	24
Inspection Tag No:		Lon DD:	90
Inspection Date:		Lon MM:	2
Casing Ft Bel Grnd:		Lon SS:	25
WBZ:		Latitude:	350824
Q9th Orphan:		Longitude:	900225
Form Log:	N	X:	-90.04027211664747
Accuracy:	S	Y:	35.13999350966875
Accuracy Desc:	Nearest second		

Wells and Additional Sources Detail Report

Owner Name:
Location:
Link ID: https://dataviewers.tdec.tn.gov/dataviewers/f?p=2005:39930:::::P39930_WELL_REPORT_NUMBER:15709547

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
125	SW	0.98	5,193.63	255.90	WATER WELLS

Well No:	15709495	Work Type:	New Well
License Code:	740	County Name:	SHELBY
Well Use:	Commercial	Description:	
Driller Report ID:	1442916	Finish Type:	
Driller Tag No:		Finish from Ft:	
Well No R4:	9495	Finish to Ft:	
Quad No:	0404NE	Quality:	Good
Quad Name:	NORTHWEST-MEMPHIS	Casing Type:	
Quad Nth:		Latitude DD:	35.138889
Cmpltn Date:		Longitude DD:	-90.040278
Cmpltn Stati Level:	59	Lat DD:	35
Cmpltn Tot Depth:	395	Lat MM:	8
Cmpltn Est Yield:		Lat SS:	20
Inspection Tag No:		Lon DD:	90
Inspection Date:		Lon MM:	2
Casing Ft Bel Grnd:		Lon SS:	25
WBZ:		Latitude:	350820
Q9th Orphan:		Longitude:	900225
Form Log:	N	X:	-90.04027211672054
Accuracy:	S	Y:	35.138882509887196
Accuracy Desc:	Nearest second		

Owner Name:
Location:
Link ID: https://dataviewers.tdec.tn.gov/dataviewers/f?p=2005:39930:::::P39930_WELL_REPORT_NUMBER:15709495

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
126	S	0.99	5,208.51	268.93	WATER WELLS

Well No:	15709569	Work Type:	New Well
License Code:	740	County Name:	SHELBY
Well Use:	Industrial	Description:	
Driller Report ID:	1442989	Finish Type:	
Driller Tag No:		Finish from Ft:	
Well No R4:	9569	Finish to Ft:	
Quad No:	0404NE	Quality:	Good
Quad Name:	NORTHWEST-MEMPHIS	Casing Type:	
Quad Nth:		Latitude DD:	35.134167
Cmpltn Date:		Longitude DD:	-90.027778

Cmpltn Stati Level:		Lat DD:	35
Cmpltn Tot Depth:		Lat MM:	8
Cmpltn Est Yield:		Lat SS:	3
Inspection Tag No:		Lon DD:	90
Inspection Date:		Lon MM:	1
Casing Ft Bel Grnd:		Lon SS:	40
WBZ:		Latitude:	350803
Q9th Orphan:		Longitude:	900140
Form Log:	N	X:	-90.02777212048339
Accuracy:	S	Y:	35.134160510261076
Accuracy Desc:	Nearest second		
Owner Name:			
Location:			
Link ID:	https://dataviewers.tdec.tn.gov/dataviewers/f?p=2005:39930:::::P39930_WELL_REPORT_NUMBER:15709569		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
127	ENE	0.99	5,207.55	258.48	WATER WELLS

Well No:	15709634	Work Type:	
License Code:	740	County Name:	SHELBY
Well Use:		Description:	
Driller Report ID:	1443052	Finish Type:	
Driller Tag No:		Finish from Ft:	
Well No R4:	9634	Finish to Ft:	
Quad No:	0404NE	Quality:	Good
Quad Name:	NORTHWEST-MEMPHIS	Casing Type:	
Quad Nth:		Latitude DD:	35.153332999999996
Cmpltn Date:		Longitude DD:	-90.00916699999999
Cmpltn Stati Level:		Lat DD:	35
Cmpltn Tot Depth:	428	Lat MM:	9
Cmpltn Est Yield:		Lat SS:	12
Inspection Tag No:		Lon DD:	90
Inspection Date:		Lon MM:	0
Casing Ft Bel Grnd:		Lon SS:	33
WBZ:		Latitude:	350912
Q9th Orphan:		Longitude:	900033
Form Log:	N	X:	-90.00916699999999
Accuracy:	S	Y:	35.153332999999975
Accuracy Desc:	Nearest second		
Owner Name:			
Location:			
Link ID:	https://dataviewers.tdec.tn.gov/dataviewers/f?p=2005:39930:::::P39930_WELL_REPORT_NUMBER:15709634		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
129	WNW	0.97	5,142.05	227.22	WATER WELLS

Well No:	15709681	Work Type:	
License Code:	740	County Name:	SHELBY
Well Use:		Description:	
Driller Report ID:	1443099	Finish Type:	
Driller Tag No:		Finish from Ft:	
Well No R4:	9681	Finish to Ft:	
Quad No:	0404NE	Quality:	
Quad Name:	NORTHWEST-MEMPHIS	Casing Type:	
Quad Nth:		Latitude DD:	35.156667
Cmpltn Date:		Longitude DD:	-90.04305599999999
Cmpltn Stati Level:		Lat DD:	35
Cmpltn Tot Depth:	98	Lat MM:	9
Cmpltn Est Yield:		Lat SS:	24
Inspection Tag No:		Lon DD:	90
Inspection Date:		Lon MM:	2
Casing Ft Bel Grnd:		Lon SS:	35
WBZ:		Latitude:	350924
Q9th Orphan:		Longitude:	900235
Form Log:	N	X:	-90.04305599999998
Accuracy:	S	Y:	35.15666700000003
Accuracy Desc:	Nearest second		
Owner Name:			
Location:			
Link ID:	https://dataviewers.tdec.tn.gov/dataviewers/f?p=2005:39930:::::P39930_WELL_REPORT_NUMBER:15709681		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
130	SW	1.00	5,262.40	257.03	WATER WELLS

Well No:	15709591	Work Type:	New Well
License Code:	30	County Name:	SHELBY
Well Use:	Industrial	Description:	
Driller Report ID:	1443010	Finish Type:	
Driller Tag No:		Finish from Ft:	
Well No R4:	9591	Finish to Ft:	
Quad No:	0404NE	Quality:	Good
Quad Name:	NORTHWEST-MEMPHIS	Casing Type:	
Quad Nth:		Latitude DD:	35.138611
Cmpltn Date:		Longitude DD:	-90.040278
Cmpltn Stati Level:	59	Lat DD:	35
Cmpltn Tot Depth:	395	Lat MM:	8
Cmpltn Est Yield:		Lat SS:	19
Inspection Tag No:		Lon DD:	90
Inspection Date:		Lon MM:	2
Casing Ft Bel Grnd:		Lon SS:	25
WBZ:		Latitude:	350819

Wells and Additional Sources Detail Report

Q9th Orphan:		Longitude:	900225
Form Log:	N	X:	-90.04027211673883
Accuracy:	S	Y:	35.13860450994187
Accuracy Desc:	Nearest second		
Owner Name:			
Location:			
Link ID:	https://dataviewers.tdec.tn.gov/dataviewers/f?p=2005:39930:::::P39930_WELL_REPORT_NUMBER:15709591		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
131	WSW	1.00	5,263.00	233.73	WATER WELLS

Well No:	15709575	Work Type:	New Well
License Code:	29	County Name:	SHELBY
Well Use:	Industrial	Description:	
Driller Report ID:	1442995	Finish Type:	
Driller Tag No:		Finish from Ft:	
Well No R4:	9575	Finish to Ft:	
Quad No:	0404NE	Quality:	
Quad Name:	NORTHWEST-MEMPHIS	Casing Type:	
Quad Nth:		Latitude DD:	35.144722
Cmpltn Date:	1/22/1950, 7:00 PM	Longitude DD:	-90.044722
Cmpltn Stati Level:		Lat DD:	35
Cmpltn Tot Depth:	416	Lat MM:	8
Cmpltn Est Yield:		Lat SS:	41
Inspection Tag No:		Lon DD:	90
Inspection Date:		Lon MM:	2
Casing Ft Bel Grnd:		Lon SS:	41
WBZ:		Latitude:	350841
Q9th Orphan:		Longitude:	900241
Form Log:	N	X:	-90.0447161151095
Accuracy:	S	Y:	35.14471550893777
Accuracy Desc:	Nearest second		
Owner Name:			
Location:			
Link ID:	https://dataviewers.tdec.tn.gov/dataviewers/f?p=2005:39930:::::P39930_WELL_REPORT_NUMBER:15709575		

Radon Information

This section lists any relevant radon information found for the target property.

Federal EPA Radon Zone for *SHELBY* County: **3**

Zone 1: Counties with predicted average indoor radon screening levels greater than 4 pCi/L
Zone 2: Counties with predicted average indoor radon screening levels from 2 to 4 pCi/L
Zone 3: Counties with predicted average indoor radon screening levels less than 2 pCi/L

Federal Area Radon Information for *SHELBY* County

No Measures/Homes:	144
Geometric Mean:	0.8
Arithmetic Mean:	1
Median:	0.8
Standard Deviation:	0.8
Maximum:	4.4
% >4 pCi/L:	1
% >20 pCi/L:	0
Notes on Data Table:	TABLE 1. Screening indoor radon data from the EPA/State Residential Radon Survey of Tennessee conducted during 1986-87. Data represent 2-7 day charcoal canister measurements from the lowest level of each home tested.

Appendix

Federal Sources

FEMA National Flood Hazard Layer — **FEMA FLOOD**

The National Flood Hazard Layer (NFHL) data incorporates Flood Insurance Rate Map (FIRM) databases published by the Federal Emergency Management Agency (FEMA), and any Letters Of Map Revision (LOMRs) that have been issued against those databases since their publication date. The FIRM Database is the digital, geospatial version of the flood hazard information shown on the published paper FIRMs. The FIRM Database depicts flood risk information and supporting data used to develop the risk data. The FIRM Database is derived from Flood Insurance Studies (FISs), previously published FIRMs, flood hazard analyses performed in support of the FISs and FIRMs, and new mapping data, where available.

Indoor Radon Data — **INDOOR RADON**

Indoor radon measurements tracked by the Environmental Protection Agency(EPA) and the State Residential Radon Survey.

Public Water Systems Violations and Enforcement Data — **PWSV**

List of drinking water violations and enforcement actions from the Safe Drinking Water Information System (SDWIS) made available by the Drinking Water Protection Division of the US EPA's Office of Groundwater and Drinking Water. Enforcement sensitive actions are not included in the data released by the EPA. Address information provided in SWDIS may correspond either with the physical location of the water system, or with a contact address.

Radon Zone Level — **RADON ZONE**

Areas showing the level of Radon Zones (level 1, 2 or 3) by county. This data is maintained by the Environmental Protection Agency (EPA).

Safe Drinking Water Information System (SDWIS) — **SDWIS**

The Safe Drinking Water Information System (SDWIS) contains information about public water systems as reported to US Environmental Protection Agency (EPA) by the states. Addresses may correspond with the location of the water system, or with a contact address.

Soil Survey Geographic database — **SSURGO**

The Soil Survey Geographic database (SSURGO) contains information about soil as collected by the National Cooperative Soil Survey at the Natural Resources Conservation Service (NRCS). Soil maps outline areas called map units. The map units are linked to soil properties in a database. Each map unit may contain one to three major components and some minor components.

USGS Current Topo — **US TOPO**

US Topo topographic maps are produced by the National Geospatial Program of the U.S. Geological Survey (USGS). The project was launched in late 2009, and the term "US Topo" refers specifically to quadrangle topographic maps published in 2009 and later.

USGS Geology — **US GEOLOGY**

Seamless maps depicting geological information provided by the United States Geological Survey (USGS).

USGS National Water Information System — **FED USGS**

The U.S. Geological Survey (USGS)'s National Water Information System (NWIS) is the nation's principal repository of water resources data. This database includes comprehensive information of well-construction details, time-series data for gage height, streamflow, groundwater level, and precipitation and water use data.

Wells from NWIS — **FED USGS**

The U.S. Geological Survey's National Water Information System (NWIS) is the nation's principal repository of water resources data. The NWIS includes comprehensive information of well-construction details, time-series data for gage height, streamflow, groundwater level, and precipitation and water use data. This NWIW dataset contains select Site Types from the overall NWIS Sites data, limited to the following Group Site Types only: Groundwater Group Site Types: Well, Collector or Ranney type well, Hyporheic-zone well, Interconnected Wells, Multiple wells; Spring Group Site Type: Spring; and Other Group Site Types: Aggregate groundwater use, Cistern.

Appendix

State Sources

County Water Wells **WATER WELLS**

A list of county water well locations maintained by the Division of Water Resources at the Department of Environment and Conservation.

Oil and Gas Wells **OGW**

Oil and Gas Well Data made available by Tennessee Department of Environment and Conservation.

Liability Notice

Reliance on information in Report: The Physical Setting Report (PSR) DOES NOT replace a full Phase I Environmental Site Assessment but is solely intended to be used as a review of environmental databases and physical characteristics for the site or adjacent properties.

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Appendix E
Government Records

AD^ file

TENNESSEE DEPARTMENT OF ENVIRONMENT & CONSERVATION
DIVISION OF REMEDIATION
401 CHURCH STREET
4th FLOOR L & C ANNEX
NASHVILLE, TENNESSEE 37243

February 17, 2012

Mr. Vince Bennett
McCormack Baron Salazar
1415 Olive Street, Ste 310
St. Louis, MO 63103-2334

Mr. Jonathan Goldstein
McCormack Baron Salazar
1415 Olive Street, Ste 310
St. Louis, MO 63103-2334

Mr. Robert Lipscomb
Executive Director
Memphis Housing Authority
700 Adams Avenue
Memphis, TN 38105

RECEIVED
FEB 27 2012
MEMPHIS FIELD OFFICE

Mr. Archie W. Willis, III
Community Capital, LLC
88 Union, Suite 1100
Memphis, TN 38103

Ms. Rosalyn Willis
20 South Dudley, Suite 801
Memphis, TN 38103

RE: Completion letter for Legends Park North/West [formerly a portion of Dixie Homes Housing Development [TN1-5 & TN1-9]
DoR Number 79-846

Dear Messrs. Bennett, Willis, Goldstein, and Lipscomb and Ms. Willis:

This letter certifies completion of the tasks set forth in the Brownfield Agreement entered into between the Tennessee Department of Environment and Conservation, Memphis Housing Authority and McCormack Baron Salazar to address the portion of the Dixie Homes property

known as Legends Park North/West property (see Exhibit A) in Memphis, TN. The Department shall require no further action under this Agreement.

I appreciate your efforts to address environmental impacts at this property. For additional or site specific information, please contact the Division of Remediation Memphis Environmental Field Office Manager, Jordan English at 901-371-3039. If I can be of further assistance, please contact me at 615-532-0911.

Sincerely,

Robert A. Binford
Director
Division of Remediation

cc: Memphis EFO
VOAP Files
NCO Files

EXHIBIT A

LEGAL DESCRIPTION
LEGENDS PARK NORTH/WEST SITE

BEING PART OF THE MEMPHIS HOUSING AUTHORITY PROPERTY ONCE KNOWN AS DIXIE HOMES AS RECORDED IN PARENT DEED BOOK 3094, PAGE 267 (TAX PARCEL 05101700001), AND ALSO PART OF THE MEMPHIS HOUSING AUTHORITY PROPERTY AS RECORDED IN INST. NO. H2-2047 (TAX PARCEL 05101700002), IN THE SHELBY COUNTY TAX ASSESSOR'S OFFICE, MEMPHIS, SHELBY COUNTY, TENNESSEE, MORE PARTICULARLY DESCRIBED AS FOLLOWS:

COMMENCING AT THE CENTERLINE INTERSECTION OF POPLAR AVENUE (R.O.W. VARIES) AND AYERS STREET (R.O.W. VARIES); THENCE NORTH 09°08'57" EAST, ALONG THE CENTERLINE OF SAID AYERS STREET A DISTANCE OF 483.98 FEET TO A POINT; THENCE SOUTH 80°51'03" EAST, DEPARTING SAID CENTERLINE, A DISTANCE OF 23.00 FEET TO A POINT IN THE EAST RIGHT-OF-WAY LINE OF SAID AYERS STREET, SAID POINT BEING THE POINT OF BEGINNING FOR THE PARCEL HEREIN DESCRIBED; THENCE

NORTH 09°01'23" EAST, A DISTANCE OF 397.68 FEET TO A POINT OF CURVATURE; THENCE

FOLLOWING THE ARC OF A CURVE TO THE LEFT HAVING A RADIUS OF 423.00 FEET, AN ARC LENGTH OF 127.85 FEET, A DELTA ANGLE OF 17°19'03" (CHORD BEARS NORTH 00°35'48" WEST, 127.37 FEET) TO A POINT OF REVERSE CURVATURE; THENCE

FOLLOWING THE ARC OF A CURVE TO THE RIGHT HAVING A RADIUS OF 375.00 FEET, AN ARC LENGTH OF 116.77 FEET, A DELTA ANGLE OF 17°50'29" (CHORD BEARS NORTH 00°51'31" EAST, 116.30 FEET) TO A POINT; THENCE

NORTH 09°46'45" EAST, A DISTANCE OF 444.96 FEET TO A POINT; THENCE

NORTH 49°39'08" EAST, A DISTANCE OF 10.00 FEET TO A POINT; THENCE

NORTH 89°31'31" EAST, A DISTANCE OF 497.24 FEET TO A POINT OF CURVATURE; THENCE

FOLLOWING THE ARC OF A CURVE TO THE RIGHT HAVING A RADIUS OF 1,248.24 FEET, AN ARC LENGTH OF 331.87 FEET, A DELTA ANGLE OF 15°14'00" (CHORD BEARS SOUTH 82°51'29" EAST, 330.90 FEET) TO A POINT; THENCE

SOUTH 75°14'29" EAST, A DISTANCE OF 210.78 FEET TO A POINT; THENCE

SOUTH 33°03'27" EAST, A DISTANCE OF 15.00 FEET TO A POINT IN THE WEST RIGHT-OF-WAY LINE OF DECATUR STREET (R.O.W. VARIES); THENCE

SOUTH 09°07'34" WEST, ALONG SAID WEST RIGHT-OF-WAY LINE, A DISTANCE OF 341.38 FEET TO A POINT; THENCE

NORTH 80°52'26" WEST, DEPARTING SAID RIGHT-OF-WAY LINE, A DISTANCE OF 76.41 FEET TO A POINT; THENCE

NORTH 09°07'37" EAST, A DISTANCE OF 80.65 FEET TO A POINT; THENCE

NORTH 80°52'23" WEST, A DISTANCE OF 266.55 FEET TO A POINT; THENCE

SOUTH 09°13'58" WEST, A DISTANCE OF 165.55 FEET TO A POINT; THENCE

NORTH 80°52'23" WEST, A DISTANCE OF 39.05 FEET TO A POINT OF CURVATURE; THENCE

FOLLOWING THE ARC OF A CURVE TO THE RIGHT HAVING A RADIUS OF 30.00 FEET, AN ARC LENGTH OF 47.18 FEET, A DELTA ANGLE OF 90°06'16" (CHORD BEARS NORTH 35°49'12" WEST, 42.47 FEET) TO A POINT; THENCE

NORTH 81°00'00" WEST, A DISTANCE OF 50.00 FEET TO A POINT OF OF NON-TANGENT CURVATURE; THENCE

FOLLOWING THE ARC OF A CURVE TO THE RIGHT HAVING A RADIUS OF 30.00 FEET, AN ARC LENGTH OF 47.07 FEET, A DELTA ANGLE OF 89°53'39" (CHORD BEARS SOUTH 54°10'48" WEST, 42.39 FEET) TO A POINT; THENCE

NORTH 80°52'23" WEST, A DISTANCE OF 26.00 FEET TO A POINT OF CURVATURE; THENCE

FOLLOWING THE ARC OF A CURVE TO THE RIGHT HAVING A RADIUS OF 30.00 FEET, AN ARC LENGTH OF 47.18 FEET, A DELTA ANGLE OF 90°06'21" (CHORD BEARS NORTH 35°49'12" WEST, 42.47 FEET) TO A POINT; THENCE

NORTH 81°00'00" WEST, A DISTANCE OF 50.00 FEET TO A POINT OF OF NON-TANGENT CURVATURE; THENCE

FOLLOWING THE ARC OF A CURVE TO THE RIGHT HAVING A RADIUS OF 30.00 FEET, AN ARC LENGTH OF 47.07 FEET, A DELTA ANGLE OF 89°53'39" (CHORD BEARS SOUTH 54°10'48" WEST, 42.39 FEET) TO A POINT; THENCE

SOUTH 09°07'37" WEST, A DISTANCE OF 60.00 FEET TO A POINT; THENCE

SOUTH 80°52'23" EAST, A DISTANCE OF 62.78 FEET TO A POINT OF CURVATURE; THENCE

FOLLOWING THE ARC OF A CURVE TO THE RIGHT HAVING A RADIUS OF 30.00 FEET, AN ARC LENGTH OF 47.18 FEET, A DELTA ANGLE OF 90°06'21" (CHORD BEARS SOUTH 35°49'12" EAST, 42.47 FEET) TO A POINT; THENCE

SOUTH 09°13'58" WEST, A DISTANCE OF 179.91 FEET TO A POINT OF CURVATURE; THENCE

FOLLOWING THE ARC OF A CURVE TO THE RIGHT HAVING A RADIUS OF 30.00 FEET, AN ARC LENGTH OF 47.07 FEET, A DELTA ANGLE OF 89°53'39" (CHORD BEARS SOUTH 54°10'48" WEST, 42.39 FEET) TO A POINT; THENCE

SOUTH 09°20'19" WEST, A DISTANCE OF 60.00 FEET TO A POINT OF OF NON-TANGENT CURVATURE; THENCE

FOLLOWING THE ARC OF A CURVE TO THE RIGHT HAVING A RADIUS OF 30.00 FEET, AN ARC LENGTH OF 47.18 FEET, A DELTA ANGLE OF 9°06'21" (CHORD BEARS SOUTH 35°49'12" EAST, 42.47 FEET) TO A POINT; THENCE

SOUTH 09°13'58" WEST, A DISTANCE OF 172.82 FEET TO A POINT OF CURVATURE; THENCE

FOLLOWING THE ARC OF A CURVE TO THE RIGHT HAVING A RADIUS OF 30.00 FEET, AN ARC LENGTH OF 47.07 FEET, A DELTA ANGLE OF 89°53'39" (CHORD BEARS SOUTH 54°10'48" WEST, 42.39 FEET) TO A POINT; THENCE

NORTH 80°52'23" WEST, A DISTANCE OF 142.04 FEET TO A POINT; THENCE

SOUTH 09°07'37" WEST, A DISTANCE OF 60.00 FEET TO A POINT OF OF NON-TANGENT CURVATURE; THENCE

FOLLOWING THE ARC OF A CURVE TO THE RIGHT HAVING A RADIUS OF 30.00 FEET, AN ARC LENGTH OF 37.10 FEET, A DELTA ANGLE OF 70°51'38" (CHORD BEARS SOUTH 45°26'34" EAST, 34.78 FEET) TO A POINT OF REVERSE CURVATURE; THENCE

FOLLOWING THE ARC OF A CURVE TO THE LEFT HAVING A RADIUS OF 153.00 FEET, AN ARC LENGTH OF 94.10 FEET, A DELTA ANGLE OF 35°14'20" (CHORD BEARS SOUTH 27°37'55" EAST, 92.60 FEET) TO A POINT OF COMPOUND CURVATURE; THENCE

FOLLOWING THE ARC OF A CURVE TO THE LEFT HAVING A RADIUS OF 203.00 FEET, AN ARC LENGTH OF 72.96 FEET, A DELTA ANGLE OF 20°35'36" (CHORD BEARS SOUTH 55°32'53" EAST, 72.57 FEET) TO A POINT OF REVERSE CURVATURE; THENCE

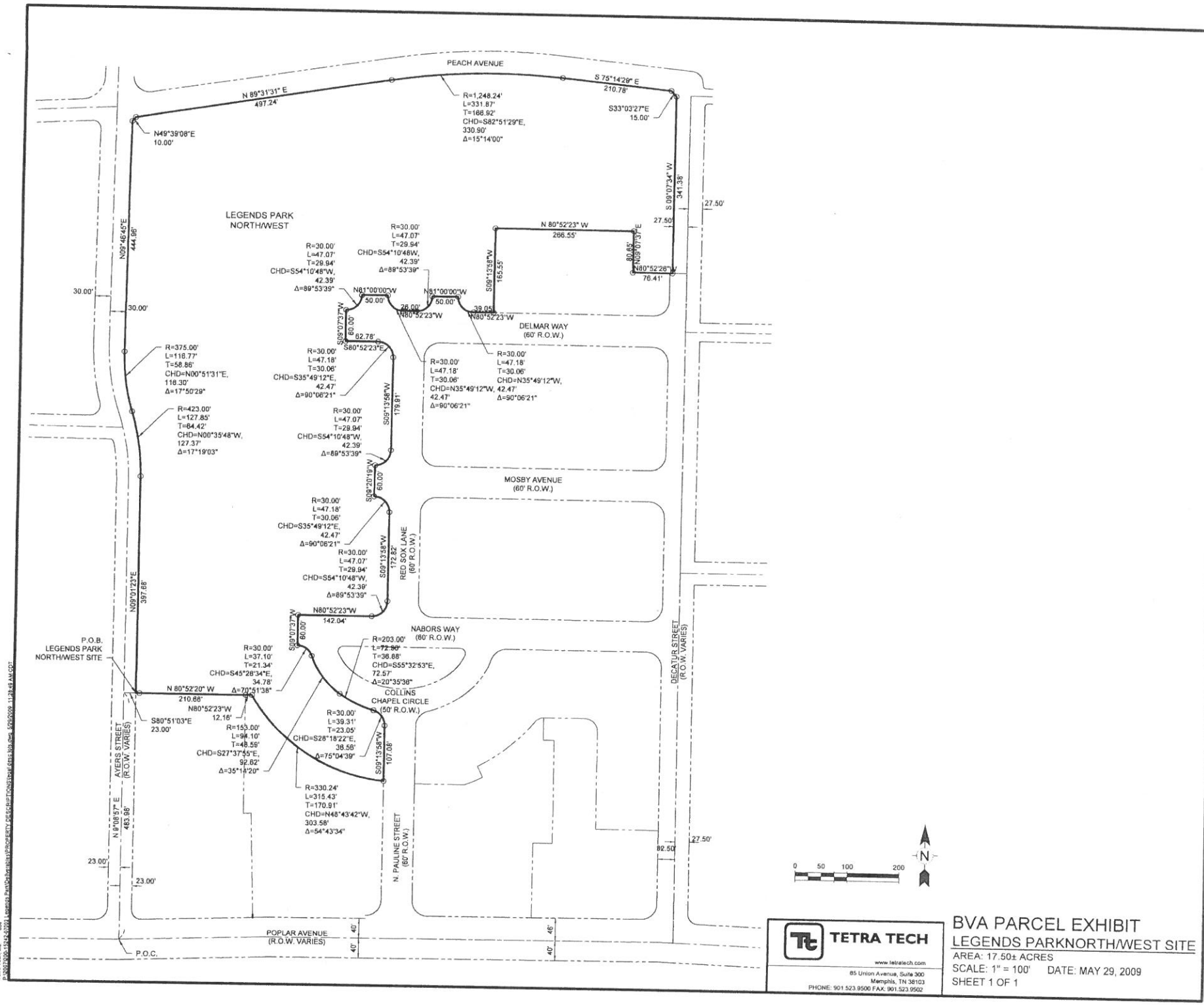
FOLLOWING THE ARC OF A CURVE TO THE RIGHT HAVING A RADIUS OF 30.00 FEET, AN ARC LENGTH OF 39.31 FEET, A DELTA ANGLE OF 75°04'39" (CHORD BEARS SOUTH 28°18'22" EAST, 36.56 FEET) TO A POINT; THENCE

SOUTH 09°13'58" WEST, A DISTANCE OF 107.08 FEET TO A POINT OF OF NON-TANGENT CURVATURE; THENCE

FOLLOWING THE ARC OF A CURVE TO THE RIGHT HAVING A RADIUS OF 330.24 FEET, AN ARC LENGTH OF 315.43 FEET, A DELTA ANGLE OF 54°43'34" (CHORD BEARS NORTH 48°43'42" WEST, 303.58 FEET) TO A POINT; THENCE

NORTH 80°52'23" WEST, A DISTANCE OF 12.16 FEET TO A POINT; THENCE

NORTH 80°52'20" WEST, A DISTANCE OF 210.66 FEET TO THE POINT OF BEGINNING AND CONTAINING 17.50 ACRES (762,586 SQUARE FEET) OF LAND, MORE OR LESS.



TETRA TECH
www.tetratech.com
85 Union Avenue, Suite 300
Memphis, TN 38103
PHONE: 901.523.9500 FAX: 901.523.9502

BVA PARCEL EXHIBIT

LEGENDS PARKNORTH/WEST SITE

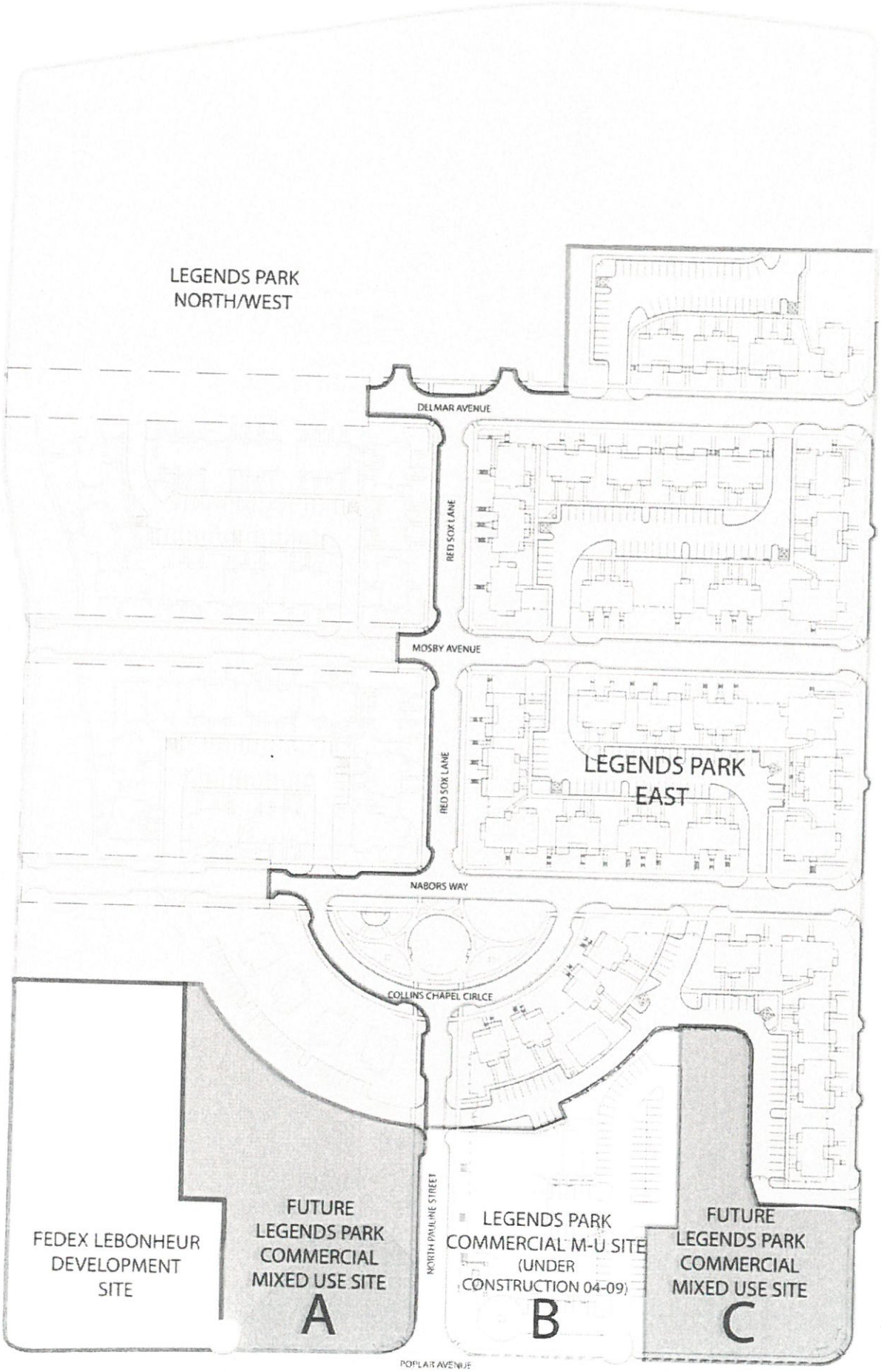
AREA: 17.50± ACRES
SCALE: 1" = 100' DATE: MAY 29, 2009
SHEET 1 OF 1

Tetra Tech, Inc. dbu
P:\2007\200-15747-07001 Legends Park\Surveying\PROPERTY DESCRIPTIONS\Parcel descriptions\Exhibit.dwg, 5/29/2009 11:27:43 AM, CST

10/14

79-846

PROPOSED BVA SITES
MAY 19th, 2009



A C WHARTON, JR.
MAYOR
CITY OF MEMPHIS

GEORGE LITTLE
CAO

ROBERT LIPSCOMB
DIRECTOR/HCD
EXECUTIVE DIRECTOR/MHA

DIVISION OF HOUSING
AND COMMUNITY DEVELOPMENT
701 North Main Street
Memphis, Tennessee 38107
(901) 576-7300

HCD COUNCIL COMMITTEE

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Wanda Halbert
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www.CityofMemphis.org
www.MemphisHA.org

January 25, 2012

VIA CERTIFIED MAIL; RETURN RECEIPT REQUESTED

Mr. Andy Shivas
Tennessee Department of Environment and Conservation
Division of Remediation
4th Floor, L&C Annex
401 Church Street
Nashville, TN 37243

Ms. Alison Campany
Tennessee Department of Environment and Conservation
Division of Remediation
Memphis Environmental Field Office
2510 Mt. Moriah Road, Suite E-645
Memphis, TN 38115-1520

REFERENCE: (1) Notice of Recorded Environmental Land Use Restriction
(2) Notice of NLUR to Local Governments
Legends Park North/ west, BVA #79-846 ("Site")
916 Poplar Street
Memphis, Shelby County, Tennessee 38105

Dear Mr. Shivas and Ms. Campany:

Pursuant to T.C.A. Section 68-212-225, this letter is to advise you that the Department-approved Notice of Land Use Restriction ("NLUR") for the above-referenced Site was recorded with the Shelby County Recorder of Deeds on January 13, 2012. A copy of the recorded NLUR is enclosed for your records.

In addition, pursuant to T.C.A. Section 68-212-225(a)(2), a copy of the recorded NLUR has been mailed to local governments having jurisdiction over any part of the subject property. Copies of the letters sent to local governments are also enclosed for your records. We will provide you with copies of the return receipts when we receive them back from the U.S. postal service.

Please feel free to contact me should you have any questions.

MEMPHIS HOUSING AUTHORITY

Robert Lipscomb
Executive Director

Enclosures

THOMPSON COBURN LLP

One US Bank Plaza
St. Louis, Missouri 63101
314-552-6000
FAX 314-552-7000
www.thompsoncoburn.com

January 25, 2012

Crystal M. Kennedy
314-552-6168
FAX 314-552-7168
ckennedy@
thompsoncoburn.com

Mr. Andy Shivas
Tennessee Department of Environment
and Conservation
Division of Remediation
4th Floor, L&C Annex
401 Church Street
Nashville, TN 37243

Alison D. Campany
Tennessee Department of Environment
and Conservation
Memphis Environmental Field Office
8383 Wolf Lake Drive
Bartlett, TN 38133

Re: Recorded Notice of Land Use Restriction – Legends Park North/West

Dear Andy and Alison:

Enclosed for your file is a copy of the Notice of Land Use Restriction that was recorded with the Office of the Shelby County Register on January 13, 2012.

Please let me know should you have any questions.

Very truly yours,

Thompson Coburn LLP

Crystal M Kennedy

By
Crystal M. Kennedy

CMK/bac

Enclosure

RECEIVED
JAN 30 2012
MEMPHIS FIELD OFFICE

This instrument was prepared by:

Monice Moore Hagler
Fearnley Califf Martin McDonald & Hagler
81 Monroe Suite 200
Memphis, Tennessee 38103

NOTICE OF LAND USE RESTRICTIONS

Notice is hereby given that pursuant to T.C.A. § 68-212-225 of the *Hazardous Waste Management Act of 1983*, the Commissioner of the Tennessee Department of Environment and Conservation ("TDEC") has determined that land use restrictions are an appropriate remedial action at the below-described property. Pursuant to T.C.A. § 68-212-225(d), the register of deed shall record this Notice and index it in the grantor index under the names of the owners of the land.

Witnesseth:

WHEREAS, the Memphis Housing Authority, a public body organized and existing under active laws of the State of Tennessee ("Grantor") is the owner of an approximate 17.50-acre parcel of real property known as "Legends Park-North/West" (once known as Dixie Homes) located in Memphis, Tennessee 38126, as recorded in Parent Deed Book 3094, Page 267 (Tax Parcel 05101700001) and also part of the Memphis Housing Authority Property as recorded in Instrument No. H2-2047 (Tax Parcel 05101700002), in the Register of Deeds Office, Shelby County and legally described in Exhibit A hereto (such property hereinafter referred to as the "Site,"); and

WHEREAS, Grantor, along with McCormack Baron Salazar, Inc., a Missouri corporation, Community Capital LLC, a Tennessee limited liability company, Legends Park West, L.P., a Tennessee limited partnership and Legends Park North, L.P. (formerly known as Legends Park L.P.), a Tennessee limited partnership (collectively, "Voluntary Party") entered into a Brownfield Voluntary Agreement #79-846 dated September 9, 2010 ("Brownfield Voluntary Agreement") with TDEC pursuant to Tennessee Code Annotated §68-212-224 for the purpose of addressing the real or perceived threat of the presence on the Site of hazardous substances, solid waste or other pollutants; and

WHEREAS, in accordance with work plans approved by TDEC and the terms of the Brownfield Voluntary Agreement #79-846, the Site has been investigated and remediated to levels acceptable for residential use; and

WHEREAS, pursuant to the Brownfield Voluntary Agreement the Grantor has agreed to impose certain land use restrictions on the Site as set forth hereinafter and has agreed to preserve and maintain these restrictions.

NOW, THEREFORE, in consideration of the foregoing, the Grantor hereby declares that the Site should be held, sold, and conveyed subject to the following land use

RECEIVED
JAN 30 2012
MEMPHIS FIELD OFFICE

restrictions. Said land use restrictions shall run with the land and shall be binding on all parties having any right, title or interest in the Site or any part thereof, their heirs, successors, successors-in-title, and assigns, and shall inure to the benefit of each owner thereof and to TDEC and the respective successors and assigns of such parties:

Description of Affected Property (the Site):

The Site is approximately 17.50 acres and is located in Memphis, Tennessee. A legal description of the Site is attached hereto as **Exhibit A** and a map showing the Site is attached hereto as **Exhibit B**.

Land Use Restrictions:

Grantor imposes the following restrictions:

1) The installation of groundwater wells and use of groundwater at, on, under or from the Site is prohibited, except for monitoring or remediation. Prior to any installation of water wells or use of groundwater (other than for monitoring or remediation), the Grantor, its successors, and/or assigns must obtain approval in writing from TDEC.

2) Structures located on Block "D," Block "F" and "Block H" at the Site, in the areas shown on **Exhibit C** ("VMS Areas"), have been equipped with a vapor mitigation system in accordance with the Department-approved work plan entitled "General Specifications for Sub Slab Vapor Barrier and Venting System," dated October 1, 2008 ("Vapor Mitigation System Workplan") as a precautionary measure to prevent the potential for vapors to accumulate in such structures. No one shall disturb or remove any vapor mitigation system at any such structure at the Site, unless first approved in writing by TDEC and pursuant to an approved work plan. Any future replacement structures and any new structures within the VMS Areas shall be equipped with a vapor mitigation system in accordance with the Vapor Mitigation System Workplan or as otherwise approved in writing by the Department.

3) As shown on **Exhibit D**, all known PAH- contaminated soils at the Site have been covered with at least two (2) feet of clean soil fill and an orange plastic witness barrier has been placed below the clean soil to clearly identify the depth below which the contaminated soil is located. These soils must be managed in accordance with the Soil Operations and Maintenance Plan approved by TDEC by letter of November 8, 2011. Any PAH-contaminated soil identified during future development activities at the Site must be managed in accordance with the performance-based approach set forth in the June 19, 2009 letter from Robert A. Binford, Director, Division of Remediation to Robert Lipscomb, Executive Director of the Memphis Housing Authority (which has been incorporated into the Department-approved Soil Operations and Maintenance Plan).

4) Any soils discovered in the future to be impacted with contaminants other than PAHs must also be managed in accordance with a Department-approved soil management plan.

Any approval granted by TDEC for restricted uses shall be in writing, must contain a reference to this instrument, and shall be available for review in a file maintained on the Site or at the offices of the Memphis Housing Authority. Any person or entity that petitions the Department for approval of restricted uses or seeks to cancel or make a Restriction less stringent shall be responsible for any costs incurred by the Department in the review and oversight of work associated with the restriction modification.

Any person or entity owning, leasing, occupying or otherwise using the Site subsequent to the date of this Notice of Land Use Restriction is hereby deemed to have covenanted and agreed not to sue and to have waived and released all rights that such person or entity may have against each Voluntary Party, and each of their parents, subsidiaries, affiliates, successors and assigns and their shareholders, officers, directors, employees and agents for any and all claims, damages, losses, costs and expenses in any way arising out of or in connection with the environmental condition of the Site or the environmental condition of any off-site areas ever affected by the Site, including, but not limited to, claims arising under common law and claims arising under the Comprehensive Environmental Response, Compensation and Liability Act of 1980, as amended, or any other federal, state or local statute, regulation or ordinance designed to protect public health or the environment.

Grantor and any successor in title to the Property shall cause all grants, leases and other written transfers of interests in the Property to contain a provision expressly requiring all holders of such interests in the Property to accept such interests subject to the use restrictions, covenants, requirements and releases set forth in this Notice of Land Use Restrictions and not to violate any term or condition of this Notice of Land Use Restrictions. Nothing contained in this Paragraph shall be construed as limiting any obligation of the holder of an interest in the Site to provide any notice required by or pursuant to any federal, state or local law, regulation or ordinance.

Amendment and Termination

This Notice of Land Use Restrictions may be made less stringent or terminated by the Commissioner of TDEC if the risk has been eliminated or reduced so that less restrictive or no land use controls are protective of human health and the environment. No amendment to or termination of this Notice of Land Use Restrictions shall be effective until such amendment or instrument terminating this Notice of Land Use Restrictions is recorded in the Shelby County Register of Deeds.

Enforcement

Any owner of the Site, any unit of local government having jurisdiction over any part of the Site or any person or entity eligible for liability protection under the Brownfield Voluntary Agreement may enforce this Notice of Land Use Restrictions by

means of a civil action. The Commissioner of TDEC may enforce this Notice of Land Use Restrictions through the issuance of an Administrative Order or by means of a civil action, including one to obtain an injunction against present or threatened violations of the restrictions. Pursuant to T.C.A. § 68-212-213, any person who fails, neglects or refuses to comply with a land use restriction commits a Class B misdemeanor and is subject to the assessment of a civil penalty of up to ten thousand dollars ($10,000) per day.

Term

This Notice of Land Use Restrictions shall run with and bind the Site.

Severability

Invalidation of any of these covenants or restrictions by judgment or court order shall in no way affect any other provisions, which shall remain in full force and effect.

IN WITNESS WHEREOF, the undersigned has executed this Notice of Land Use Restrictions this 9th day of January, 2012.

Grantor: MEMPHIS HOUSING AUTHORITY

By: _____
Robert Lipscomb
Executive Director

STATE OF SHELBY
COUNTY OF TENNESSEE

Before me, a Notary Public of the state and county aforesaid, personally appeared Robert Lipscomb, with whom I am personally acquainted (or proved to me on the basis of satisfactory evidence), and who, upon oath, acknowledged himself to be Executive Director of Memphis Housing Authority, a Tennessee public body, corporate and politic under the Housing Authority Laws of the state of Tennessee, the within named bargainor, and that he as such Executive Director, executed the foregoing instrument for the purpose therein contained, by signing the name of the Memphis Housing Authority by himself as Executive Director.

WITNESS MY HAND AND SEAL, at office in Memphis, Tennessee, this 9 day of January, 2012.

ENSAFE
creative thinking. custom solutions.®

March 30, 2023

Mr. Brian Thomas
PennRose
675 Ponce de Leon Avenue NE, Suite 8500
Atlanta, Georgia 30308

via email: bthomas@pennrose.com

Re: Soil Sampling for Lead and Asbestos
Edgeview at Legends Park, Block A
945 Peach Avenue
Memphis, Tennessee

Dear Mr. Thomas,

EnSafe is pleased to submit this report detailing the collection of soil samples on the above-referenced property. The sampling was conducted to determine if lead or asbestos remained in site soil from previous building demolition at concentrations causing human health risks.

Samples were collected by Tennessee-licensed asbestos inspectors in a grid pattern as shown on Figure 1 in Attachment A. Twenty-four surface soil samples (0 to 1 foot below ground surface) were collected using hand auger techniques and wet methods. In the area where soil is being removed for construction (cut), twelve subsurface soil samples were also collected from the 1 to 3-foot interval using hand auger techniques. Soil samples were containerized, labeled, and preserved for submittal under chain-of-custody to two laboratories for analysis.

Samples for asbestos analysis were submitted to Crisp Analytical in Carrolton, Texas. Samples were analyzed using polarized light microscopy (PLM), Environmental Protection Agency (EPA) Method 600. Samples for lead analysis were submitted to Waypoint Analytical in Memphis, Tennessee. Samples were analyzed using EPA Method 6010.

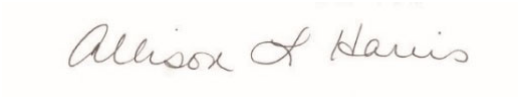
Analytical results are provided for both analyses in Table 1 in Attachment B. The laboratory analytical reports are provided in Attachment B for asbestos and Attachment C for lead. The lead analytical results were compared to the residential U.S. EPA Regional Screening Level and the Tennessee background concentration for lead from the Background Hazardous Trace Elements in Tennessee Soils, TDEC Report of Investigation No 49 (2001).

Asbestos was not detected in any of the soil samples collected. Only one soil sample (LEGSSB1103, 60.1 milligrams per kilogram) was slightly above the Tennessee background concentration for lead of 45 milligrams per kilogram. None of the samples exceeded the U.S. EPA

Residential Regional Screening Level for lead of 400 milligrams per kilogram. Based on the analytical results, no further action is required for lead and asbestos in site soil.

Respectfully submitted,

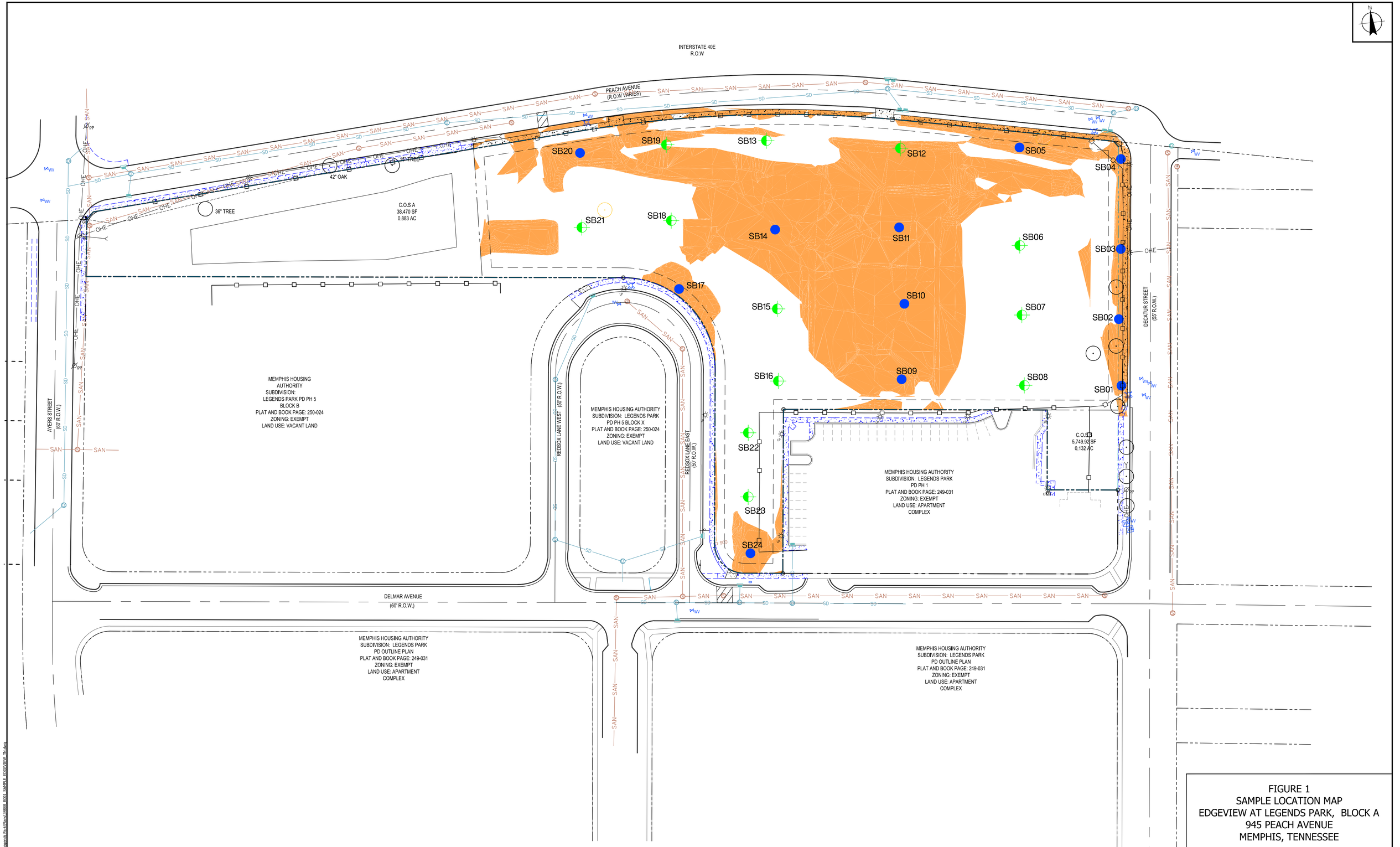
EnSafe Inc.



Allison Harris, PG
Senior Project Manager/Professional Geologist

Attachment A — Figure
Attachment B — Table
Attachment C — Crisp Analytical Laboratory Report
Attachment D — Waypoint Analytical Laboratory Report

Attachment A
Figure



LEGEND

- SURFACE (0-1 FT) AND SUBSURFACE (1-3 FT) SAMPLE LOCATION
- SURFACE (0-1 FT) SAMPLE LOCATION
- CUT
- FT FEET

NAD83 STATE PLANE
TENNESSEE FEET

0 20 40

SCALE IN FEET

FIGURE 1
SAMPLE LOCATION MAP
EDGEVIEW AT LEGENDS PARK, BLOCK A
945 PEACH AVENUE
MEMPHIS, TENNESSEE

REQUESTED BY:	GH
DRAWN BY:	KMB
DATE:	3/27/2023
PROJECT:	0888834888

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I:\CAD PROJECTS\Drawings\34888 Legends Park\Plans\34888_B001_SAMPLE LOCATION_EDGEVIEW_TN.dwg

Attachment B
Table

Table 1
Asbestos and Lead Soil Sample Results - March 15, 2023
Edgeview at Legends Park
Memphis, Tennessee

Sample ID	Asbestos	Lead
LEGSSBO1-01	Not Detected	26.1
LEGSSBO1-03	Not Detected	20.6
LEGSSBO2-01	Not Detected	32.3
LEGSSBO2-03	Not Detected	11.4
LEGSSBO3-01	Not Detected	16.1
LEGSSBO3-03	Not Detected	25.8
LEGSSBO4-01	Not Detected	18.3
LEGSSBO4-03	Not Detected	26.4
LEGSSBO5-01	Not Detected	31.4
LEGSSBO5-03	Not Detected	17.6
LEGSSBO6-01	Not Detected	33.2
LEGSSBO7-01	Not Detected	24.8
LEGSSBO8-01	Not Detected	23.5
LEGSSBO9-01	Not Detected	23.3
LEGSSBO9-03	Not Detected	20.1
LEGSSB10-01	Not Detected	31.9
LEGSSB1O-03	Not Detected	19.9
LEGSSB11-01	Not Detected	28.2
LEGSSB11-03	Not Detected	**60.1**
LEGSSB12-01	Not Detected	39.4
LEGSSB13-01	Not Detected	43.8
LEGSSB14-01	Not Detected	28.4
LEGSSB14-03	Not Detected	26.2
LEGSSB15-01	Not Detected	31.8
LEGSSB16-01	Not Detected	29.7
LEGSSB17-01	Not Detected	18.6
LEGSSB17-03	Not Detected	37.8
LEGSSB18-01	Not Detected	24.3
LEGSSB19-01	Not Detected	41.4
LEGSSB20-01	Not Detected	39.0
LEGSSB20-03	Not Detected	22.9
LEGSSB21-01	Not Detected	6.07
LEGSSB22-01	Not Detected	38.9
LEGSSB23-01	Not Detected	23.9
LEGSSB24-01	Not Detected	12.0
LEGSSB24-03	Not Detected	15.5
Residential RSL	**NE**	**400**
TN BKG	**NE**	**45**

Notes:

All lead results are in milligrams per kilogram (mg/kg) or parts per million (ppm).

RSL - U.S. Environmental Protection Agency Regional Screening Results (November 2022)

Bold indicates an exceedance of the Tennessee background concentration for lead.

TN BKG = Background Hazardous Trace Elements in Tennessee Soils, TDEC Report of Investigation No 49 (2001)

NE = Not Established

Attachment C
Crisp Analytical Laboratory Report

CA Labs
Dedicated to Quality

Crisp Analytical, L.L.C.
1929 Old Denton Road
Carrollton, TX 75006
Phone 972-242-2754
Fax 972-242-2798

CA Labs, L.L.C.
12232 Industriplex, Suite 32
Baton Rouge, LA 70809
Phone 225-751-5632
Fax 225-751-5634

Materials Characterization - Bulk Asbestos Analysis

Laboratory Analysis Report - Polarized Light

Ensafe, Inc
5724 Summer Trees Drive
Memphis, TN 38134

Customer Project: 888834888 Edgeview at Legends Park, E
Reference #: CAL23032188RL Date: 03/21/23

Analysis and Method

Summary of polarized light microscopy (PLM / Stereomicroscopy bulk asbestos analysis) using the methods described in 40CFR Part 763 Appendix E to Subpart E (Interim and EPA 600 / R-93 / 116 (Improved). The sample is first viewed with the aid of a stereomicroscope. Numerous liquid slide preparations are created for analysis under the polarized microscope where identifications and quantifications are preformed. Calibrated liquid refractive oils are used as liquid mouting medium. These oils are used for identification (dispersion staining). A calibrated visual estimation is reported, should any asbestiform mineral be present. Other techniques such as acid washing are used in conjugation with refractive oils for detection of smaller quantities of asbestos. All asbestos percentages are based on calibrated visual estimation traceable to NIST standards for regulated asbestos. Traceability to measurement and calibration is achieved by using known amounts and types of asbestos from standards where analyst and laboratory accuracy are measured. As little as 0.001% asbestos can be detected in favorable samples, while detection in unfavorable samples may approach the detection limit of 0.50% (well above the laboratory definition of trace).

Discussion

Vermiculite containing samples may contain trace amounts of actinolite/tremolite. When not detected by PLM, these samples should be analyzed using TEM methods and / or water separation techniques. Suspected actinolite/vermiculite presence will be indicated through the sample comment section of this report.

Fibrous talc containing samples may contain a regulated asbestos fiber known as anthophyllite. Under certain conditions the same fiber may actually contain both talc and anthophyllite (a phenomenon called intergrowth). Again, TEM detection methods are recommended. CA Labs PLM report comments will denote suspected amounts of asbestiform anthophyllite with talc, where further analysis is recommended.

Some samples (floor tiles, surfacings, etc.) may contain fibers too small to be detectable by PLM analysis and should be analyzed by TEM bulk protocols.

A "trace asbestos" will be reported if the analyst observes far less than 1% asbestos. CA Labs defines "trace asbestos" as a few fibers detected by the analyst in several preparations and will indicate as such under these circumstances.

Since allowable variation in quantification of samples close to 1% is high, <1% may be reported. Such results are ideal for point counting, and the technique is mandatory for friable samples (NESHAP, Nov. 1990 and clarification letter 8 May 1991) under 1% percent asbestos or "trace asbestos". **In order to make all initial PLM reports issued from CA Labs NESHAP compliant, all <1% asbestos results (except floor tiles) will be point counted at no additional charge.**

Qualifications

CA Labs is accredited by the National Voluntary Accreditation Program (NVLAP) for selected test methods for airborne fiber analysis (TEM), and for bulk asbestos fiber analysis (PLM). CA Labs is also accredited by AIHA LAP, LLC. in the PLM asbestos field of testing for Industrial Hygiene. All analysts have completed college courses or hold a degree in a natural science (geology, biology, or environmental science). Recognition by a state professional board in one these disciplines is preferred, but not required. Extensive in-house training programs are used to augment the educational background of the analyst. The Laboratory Director and Quality Manager have received supplemental McCrone Research training for asbestos identification. Analysis performed at Crisp Analytical Labs, LLC 1929 Old Denton Road Carrollton, TX 75006

Dallas NVLAP Lab Code 200349-0 TEM/PLM TCEQ# T104704513-15-3 TDH 30-0235
AIHA LAP, LLC Laboratory #102929

CA Labs
Dedicated to Quality

Crisp Analytical, L.L.C.
1929 Old Denton Road
Carrollton, TX 75006
Phone 972-242-2754
Fax 972-242-2798

CA Labs, L.L.C.
12232 Industriplex, Suite 32
Baton Rouge, LA 70809
Phone 225-751-5632
Fax 225-751-5634

Overview of Project Sample Material Containing Asbestos

Customer Project: 888834888 Edgeview at Legends Park, Block A **CA Labs Project #:** CAL23032188RL

Laboratory Sample ID	Sample #	Layer #	Analysts Physical Description of Subsample	Asbestos type / calibrated visual estimate percent	List of Affected Building Material Types

No Asbestos Detected.

Dallas NVLAP Lab Code 200349-0 TEM/PLM TCEQ# T104704513-15-3 TDH 30-0235
AIHA LAP, LLC Laboratory #102929

Glossary of abbreviations (non-asbestos fibers and non-fibrous minerals):

ca - carbonate
gypsum - gypsum
bi - binder
or - organic
ma - matrix
mi - mica
ve - vermiculite
ot - other
pe - perlite
qu - quartz
fg - fiberglass
mw - mineral wool
wo - wollastinite
ta - talc
sy - synthetic
ce - cellulose
br - brucite
ka - kaolin (clay)
pa - palygorskite (clay)

This report relates to the items tested. This report is not to be used by the customer to claim product certification, approval or endorsement by NVLAP, NIST, AIHA LAP, LLC, or any other agency of the federal government. This report may not be reproduced except in full without written permission from CA Labs. These results are submitted pursuant to CA Labs' current terms and sale, condition of sale, including the company's standard warranty and limitations of liability provisions and no responsibility or liability is assumed for the manner in which the results are used or interpreted. Unless notified in writing to return the samples covered by this report, CA Labs will store the samples for a period of ninety (90) days before discarding. A shipping or handling fee may be assessed for the return of any samples.

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CA Labs, L.L.C.
12232 Industriplex, Suite 32
Baton Rouge, LA 70809
Phone 225-751-5632
Fax 225-751-5634

Polarized Light Asbestiform Materials Characterization

Customer Info:
Ensafe, Inc
5724 Summer Trees Drive
Memphis, TN 38134

Phone # 301-372-7962
Fax #

Attn:

Customer Project:
888834888 Edgeview at Legends Park, Block A

Turnaround Time:
3 Days

CA Labs Project #:
CAL23032188RL

Date: 3/21/2023
Samples Rec'd: 3/16/23 10:30am
Date Of Sampling: 3/15/2023
Purchase Order #:

Laboratory Sample ID	Sample #	Comment	Layer #	Analysts Physical Description of Subsample	Homogeneous (Y/N)	Asbestos type / calibrated visual estimate percent	Non-asbestos fiber type / percent	Non-fibrous type / percent
23288	LEGSSB 01-01	***10***	*01-01-1*	*brown soil*	*n*	***None Detected***	5% ce	95% qu,ot
23289	LEGSSB 01-03	***10***	*01-03-1*	*brown soil*	*n*	***None Detected***	5% ce	95% qu,ot
23290	LEGSSB 02-01	***10***	*02-01-1*	*brown soil*	*n*	***None Detected***	4% ce	96% qu,ot
23291	LEGSSB 02-03	***10***	*02-03-1*	*brown soil*	*n*	***None Detected***	4% ce	96% qu,ot
23292	LEGSSB 03-01	***10***	*03-01-1*	*brown soil*	*n*	***None Detected***	5% ce	95% qu,ot
23293	LEGSSB 03-03	***10***	*03-03-1*	*brown soil*	*n*	***None Detected***	5% ce	95% qu,ot
23294	LEGSSB 04-01	***10***	*04-01-1*	*brown soil*	*n*	***None Detected***	5% ce	95% qu,ot

Dallas NVLAP Lab Code 200349-0 TEM/PLM TCEQ# T104704513-15-3 TDH 30-0235

AIHA LAP, LLC Laboratory #102929

Analysis Method: Interim (40CFR Part 763 Appendix E to Subpart E) / Improved (EPA-600 / R-93/116). *All samples received in good condition unless noted.*
Preparation Method: HCL acid washing for carbonate based samples, chemical reduction for organically bound components, oil immersion for identification of asbestos types by dispersion attaining / becke line method.

ca - carbonate	mi - mica	fg - fiberglass	ce - cellulose
gy - gypsum	ve - vermiculite	mw - mineral wool	br - brucite
bi - binder	ot - other	wo - wollastonite	ka - kaolin (clay)
or - organic	pe - perlite	ta - talc	pa - palygorskite (clay)
ma - matrix	qu - quartz	sy - synthetic	

Approved Signatories:

Tanner Rasmussen
Analyst

Technical Manager
Tanner Rasmussen

Senior Analyst
Julio Robles

1. Fire Damage significant fiber damage - reported percentages reflect unaltered fibers
2. Fire Damage no significant fiber damages effecting fibrous percentages
3. Actinolite in association with Vermiculite
4. Layer not analyzed - attached to previous positive layer and contamination is suspected
5. Not enough sample to analyze
6. Anthophyllite in association with Fibrous Talc
7. Contamination suspected from other building materials
8. Favorable scenario for water separation on vermiculite for possible analysis by another method
9. < 1% Result point counted positive
10. TEM analysis suggested

CA Labs
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CA Labs, L.L.C.
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Polarized Light Asbestiform Materials Characterization

Customer Info:
Ensafe, Inc
5724 Summer Trees Drive
Memphis, TN 38134

Phone # 301-372-7962
Fax #

Attn:

Customer Project:
888834888 Edgeview at Legends Park, Block A

Turnaround Time:
3 Days

CA Labs Project #:
CAL23032188RL

Date: 3/21/2023
Samples Rec'd: 3/16/23 10:30am
Date Of Sampling: 3/15/2023
Purchase Order #:

Laboratory Sample ID	Sample #	Comment	Layer #	Analysts Physical Description of Subsample	Homogeneous (Y/N)	Asbestos type / calibrated visual estimate percent	Non-asbestos fiber type / percent	Non-fibrous type / percent
23295	LEGSSB 04-03	***10***	*04-03-1*	*brown soil*	*n*	***None Detected***	4% ce	96% qu,ot
23296	LEGSSB 05-01	***10***	*05-01-1*	*brown soil*	*n*	***None Detected***	6% ce	94% qu,ot
23297	LEGSSB 05-03	***10***	*05-03-1*	*brown soil*	*n*	***None Detected***	5% ce	95% qu,ot
23298	LEGSSB 06-01	***10***	*06-01-1*	*brown soil*	*n*	***None Detected***	5% ce	95% qu,ot
23299	LEGSSB 07-01	***10***	*07-01-1*	*brown soil*	*n*	***None Detected***	5% ce	95% qu,ot
23300	LEGSSB 08-01	***10***	*08-01-1*	*brown soil*	*n*	***None Detected***	6% ce	94% qu,ot
23301	LEGSSB 09-01	***10***	*09-01-1*	*brown soil*	*n*	***None Detected***	4% ce	96% qu,ot

Dallas NVLAP Lab Code 200349-0 TEM/PLM TCEQ# T104704513-15-3 TDH 30-0235

AIHA LAP, LLC Laboratory #102929

Analysis Method: Interim (40CFR Part 763 Appendix E to Subpart E) / Improved (EPA-600 / R-93/116). *All samples received in good condition unless noted.*
Preparation Method: HCL acid washing for carbonate based samples, chemical reduction for organically bound components, oil immersion for identification of asbestos types by dispersion attaining / becke line method.

ca - carbonate	mi - mica	fg - fiberglass	ce - cellulose
gy - gypsum	ve - vermiculite	mw - mineral wool	br - brucite
bi - binder	ot - other	wo - wollastonite	ka - kaolin (clay)
or - organic	pe - perlite	ta - talc	pa - palygorskite (clay)
ma - matrix	qu - quartz	sy - synthetic	

Approved Signatories:

Tanner Rasmussen
Analyst

Technical Manager
Tanner Rasmussen

Senior Analyst
Julio Robles

1. Fire Damage significant fiber damage - reported percentages reflect unaltered fibers
2. Fire Damage no significant fiber damages effecting fibrous percentages
3. Actinolite in association with Vermiculite
4. Layer not analyzed - attached to previous positive layer and contamination is suspected
5. Not enough sample to analyze
6. Anthophyllite in association with Fibrous Talc
7. Contamination suspected from other building materials
8. Favorable scenario for water separation on vermiculite for possible analysis by another method
9. < 1% Result point counted positive
10. TEM analysis suggested

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Turnaround Time:
3 Days

CA Labs Project #:
CAL23032188RL

Date: 3/21/2023
Samples Rec'd: 3/16/23 10:30am
Date Of Sampling: 3/15/2023
Purchase Order #:

Laboratory Sample ID	Sample #	Comment	Layer #	Analysts Physical Description of Subsample	Homogeneous (Y/N)	Asbestos type / calibrated visual estimate percent	Non-asbestos fiber type / percent	Non-fibrous type / percent
23302	LEGSSB 09-03	***10***	*09-03-1*	*brown soil*	*n*	***None Detected***	5% ce	95% qu,ot
23303	LEGSSB 10-01	***10***	*10-01-1*	*brown soil*	*n*	***None Detected***	5% ce	95% qu,ot
23304	LEGSSB 10-03	***10***	*10-03-1*	*brown soil*	*n*	***None Detected***	7% ce	93% qu,ot
23305	LEGSSB 11-01	***10***	*11-01-1*	*brown soil*	*n*	***None Detected***	5% ce	95% qu,ot
23306	LEGSSB 11-03	***10***	*11-03-1*	*brown soil*	*n*	***None Detected***	5% ce	95% qu,ot
23307	LEGSSB 12-01	***10***	*12-01-1*	*brown soil*	*n*	***None Detected***	3% ce	97% qu,ot
23308	LEGSSB 13-01	***10***	*13-01-1*	*brown soil*	*n*	***None Detected***	2% ce	98% qu,ot

Dallas NVLAP Lab Code 200349-0 TEM/PLM TCEQ# T104704513-15-3 TDH 30-0235

AIHA LAP, LLC Laboratory #102929

Analysis Method: Interim (40CFR Part 763 Appendix E to Subpart E) / Improved (EPA-600 / R-93/116). *All samples received in good condition unless noted.*
Preparation Method: HCL acid washing for carbonate based samples, chemical reduction for organically bound components, oil immersion for identification of asbestos types by dispersion attaining / becke line method.

ca - carbonate	mi - mica	fg - fiberglass	ce - cellulose
gy - gypsum	ve - vermiculite	mw - mineral wool	br - brucite
bi - binder	ot - other	wo - wollastonite	ka - kaolin (clay)
or - organic	pe - perlite	ta - talc	pa - palygorskite (clay)
ma - matrix	qu - quartz	sy - synthetic	

Approved Signatories:

Tanner Rasmussen
Analyst

Technical Manager
Tanner Rasmussen

Senior Analyst
Julio Robles

1. Fire Damage significant fiber damage - reported percentages reflect unaltered fibers
2. Fire Damage no significant fiber damages effecting fibrous percentages
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8. Favorable scenario for water separation on vermiculite for possible analysis by another method
9. < 1% Result point counted positive
10. TEM analysis suggested

CA Labs
Dedicated to Quality

Crisp Analytical, L.L.C.
1929 Old Denton Road
Carrollton, TX 75006
Phone 972-242-2754
Fax 972-242-2798

CA Labs, L.L.C.
12232 Industriplex, Suite 32
Baton Rouge, LA 70809
Phone 225-751-5632
Fax 225-751-5634

Polarized Light Asbestiform Materials Characterization

Customer Info:
Ensafe, Inc
5724 Summer Trees Drive
Memphis, TN 38134

Phone # 301-372-7962
Fax #

Attn:

Customer Project:
888834888 Edgeview at Legends Park, Block A

Turnaround Time:
3 Days

CA Labs Project #:
CAL23032188RL

Date: 3/21/2023
Samples Rec'd: 3/16/23 10:30am
Date Of Sampling: 3/15/2023
Purchase Order #:

Laboratory Sample ID	Sample #	Comment	Layer #	Analysts Physical Description of Subsample	Homogeneous (Y/N)	Asbestos type / calibrated visual estimate percent	Non-asbestos fiber type / percent	Non-fibrous type / percent
23309	LEGSSB 14-01	***10***	*14-01-1*	*brown soil*	*n*	***None Detected***	2% ce	98% qu,ot
23310	LEGSSB 14-03	***10***	*14-03-1*	*brown soil*	*n*	***None Detected***	6% ce	94% qu,ot
23311	LEGSSB 15-01	***10***	*15-01-1*	*brown soil*	*n*	***None Detected***	4% ce	96% qu,ot
23312	LEGSSB 16-07	***10***	*16-07-1*	*brown soil*	*n*	***None Detected***	6% ce	94% qu,ot
23313	LEGSSB 17-01	***10***	*17-01-1*	*brown soil*	*n*	***None Detected***	5% ce	95% qu,ot
23314	LEGSSB 17-03	***10***	*17-03-1*	*brown soil*	*n*	***None Detected***	3% ce	97% qu,ot
23315	LEGSSB 18-01	***10***	*18-01-1*	*brown soil*	*n*	***None Detected***	4% ce	96% qu,ot

Dallas NVLAP Lab Code 200349-0 TEM/PLM TCEQ# T104704513-15-3 TDH 30-0235

AIHA LAP, LLC Laboratory #102929

Analysis Method: Interim (40CFR Part 763 Appendix E to Subpart E) / Improved (EPA-600 / R-93/116). *All samples received in good condition unless noted.*
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gy - gypsum	ve - vermiculite	mw - mineral wool	br - brucite
bi - binder	ot - other	wo - wollastonite	ka - kaolin (clay)
or - organic	pe - perlite	ta - talc	pa - palygorskite (clay)
ma - matrix	qu - quartz	sy - synthetic	

Approved Signatories:

Tanner Rasmussen
Analyst

Technical Manager
Tanner Rasmussen

Senior Analyst
Julio Robles

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2. Fire Damage no significant fiber damages effecting fibrous percentages
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5. Not enough sample to analyze
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Polarized Light Asbestiform Materials Characterization

Customer Info:
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Memphis, TN 38134

Phone # 301-372-7962
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888834888 Edgeview at Legends Park, Block A

Turnaround Time:
3 Days

CA Labs Project #:
CAL23032188RL

Date: 3/21/2023
Samples Rec'd: 3/16/23 10:30am
Date Of Sampling: 3/15/2023
Purchase Order #:

Laboratory Sample ID	Sample #	Comment	Layer #	Analysts Physical Description of Subsample	Homogeneous (Y/N)	Asbestos type / calibrated visual estimate percent	Non-asbestos fiber type / percent	Non-fibrous type / percent
23316	LEGSSB 19-01	***10***	*19-01-1*	*brown soil*	*n*	***None Detected***	3% ce	97% qu,ot
23317	LEGSSB 20-01	***10***	*20-01-1*	*brown soil*	*n*	***None Detected***	2% ce	98% qu,ot
23318	LEGSSB 20-03	***10***	*20-03-1*	*brown soil*	*n*	***None Detected***	3% ce	97% qu,ot
23319	LEGSSB 21-01	***10***	*21-01-1*	*brown soil*	*n*	***None Detected***	5% ce	95% qu,ot
23320	LEGSSB 22-01	***10***	*22-01-1*	*brown soil*	*n*	***None Detected***	7% ce	93% qu,ot
23321	LEGSSB 23-01	***10***	*23-01-1*	*brown soil*	*n*	***None Detected***	5% ce	95% qu,ot,ca
23322	LEGSSB 24-01	***10***	*24-01-1*	*brown soil*	*n*	***None Detected***	3% ce	97% qu,ot,ca

Dallas NVLAP Lab Code 200349-0 TEM/PLM TCEQ# T104704513-15-3 TDH 30-0235

AIHA LAP, LLC Laboratory #102929

Analysis Method: Interim (40CFR Part 763 Appendix E to Subpart E) / Improved (EPA-600 / R-93/116). *All samples received in good condition unless noted.*
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or - organic	pe - perlite	ta - talc	pa - palygorskite (clay)
ma - matrix	qu - quartz	sy - synthetic	

Approved Signatories:

Tanner Rasmussen
Analyst

Technical Manager
Tanner Rasmussen

Senior Analyst
Julio Robles

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Polarized Light Asbestiform Materials Characterization

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CA Labs Project #:
CAL23032188RL

Date: 3/21/2023
Samples Rec'd: 3/16/23 10:30am
Date Of Sampling: 3/15/2023
Purchase Order #:

Laboratory Sample ID	Sample #	Comment	Layer #	Analysts Physical Description of Subsample	Homogeneous (Y/N)	Asbestos type / calibrated visual estimate percent	Non-asbestos fiber type / percent	Non-fibrous type / percent
23323	LEGSSB 24-03	***10***	*24-03-1*	*brown soil*	*n*	***None Detected***	7% ce	93% qu,ot

Dallas NVLAP Lab Code 200349-0 TEM/PLM TCEQ# T104704513-15-3 TDH 30-0235

AIHA LAP, LLC Laboratory #102929

Analysis Method: Interim (40CFR Part 763 Appendix E to Subpart E) / Improved (EPA-600 / R-93/116). *All samples received in good condition unless noted.*
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Attachment D
Waypoint Analytical Laboratory Report

2790 Whitten Road, Memphis, TN 38133
Main 901.213.2400 ⁰ Fax 901.213.2440
www.waypointanalytical.com

3/21/2023

Ensafe
Mr. Bryan Brister
5724 Summer Tree Drive
Memphis, TN, 38134

Ref: Analytical Testing
Lab Report Number: 23-075-0057
Client Project Description: Legends Park, Block A
198 N. Pauline-Memphis, TN
Project No. 0888834888

Dear Mr. Bryan Brister:
Waypoint Analytical, LLC. received sample(s) on 3/16/2023 for the analyses presented in the following report.

The above referenced project has been analyzed per your instructions. The analyses were performed in accordance with the applicable analytical method. Where the laboratory was not responsible for the sampling stage (refer to the chain of custody) results apply to the sample as received.

The analytical data has been validated using standard quality control measures performed as required by the analytical method. Quality Assurance, method validations, instrumentation maintenance and calibration for all parameters (NELAP and non-NELAP) were performed in accordance with guidelines established by the USEPA (including 40 CFR 136 Method Update Rule May 2021) and NELAC unless otherwise indicated. Any parameter for which the laboratory is not officially NELAP accredited is indicated by a '~' symbol. These are not included in the scope because NELAP accreditation is either not available or has not been applied for. Additional certifications may be held/are available for parameters, where NELAP accreditation is not required or applicable. A full list of certifications is available upon request.

Certain parameters (chlorine, pH, dissolved oxygen, sulfite...) are required to be analyzed within 15 minutes of sampling. Usually, but not always, any field parameter analyzed at the laboratory is outside of this holding time. Refer to sample analysis time for confirmation of holding time compliance.

The results are shown on the attached Report of Analysis(s). Results for solid matrices are reported on an as-received basis unless otherwise indicated. This report shall not be reproduced except in full and relates only to the samples included in this report.

Please do not hesitate to contact me or client services if you have any questions or need additional information.

Sincerely,

Rebekah Ross

Rebekah Ross
Project Manager

Laboratory's liability in any claim relating to analyses performed shall be limited to, at laboratory's option, repeating the analysis in question at laboratory's expense, or the refund of the charges paid for performance of said analysis.

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Certification Summary

Laboratory ID: WP MTN: Waypoint Analytical, LLC., Memphis, TN

State	Program	Lab ID	Expiration Date
Alabama	State Program	40750	02/29/2024
Arkansas	State Program	88-0650	02/07/2024
California	State Program	2904	06/30/2023
Florida	State Program - NELAP	E871157	06/30/2023
Georgia	State Program	C044	11/14/2025
Georgia	State Program	04015	06/30/2023
Illinois	State Program - NELAP	200078	10/10/2023
Kentucky	State Program	80215	06/30/2023
Kentucky	State Program	KY90047	12/31/2023
Louisiana	State Program - NELAP	LA037	12/31/2023
Louisiana	State Program - NELAP	04015	06/30/2023
Mississippi	State Program	MS	02/11/2023
North Carolina	State Program	47701	07/31/2023
North Carolina	State Program	415	12/31/2023
Pennsylvania	State Program - NELAP	68-03195	05/31/2023
South Carolina	State Program	84002	06/30/2023
Tennessee	State Program	02027	11/14/2025
Texas	State Program - NELAP	T104704180	09/30/2023
Virginia	State Program	00106	06/30/2023
Virginia	State Program - NELAP	460181	09/14/2023

Waypoint ANALYTICAL

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www.waypointanalytical.com

Sample Summary Table

Report Number: **23-075-0057**

Client Project Description: **Legends Park, Block A**
198 N. Pauline-Memphis, TN
Project No. 0888834888

Lab No	Client Sample ID	Matrix	Date Collected	Date Received
81623	LEGSSB01-01	Solids	03/15/2023 11:55	03/16/2023
81624	LEGSSB01-03	Solids	03/15/2023 11:58	03/16/2023
81625	LEGSSB02-01	Solids	03/15/2023 12:17	03/16/2023
81626	LEGSSB02-03	Solids	03/15/2023 12:20	03/16/2023
81627	LEGSSB03-01	Solids	03/15/2023 12:30	03/16/2023
81628	LEGSSB03-03	Solids	03/15/2023 12:33	03/16/2023
81629	LEGSSB04-01	Solids	03/15/2023 12:48	03/16/2023
81630	LEGSSB04-03	Solids	03/15/2023 12:57	03/16/2023
81631	LEGSSB05-01	Solids	03/15/2023 13:20	03/16/2023
81632	LEGSSB05-03	Solids	03/15/2023 13:23	03/16/2023
81633	LEGSSB06-01	Solids	03/15/2023 13:40	03/16/2023
81634	LEGSSB07-01	Solids	03/15/2023 13:45	03/16/2023
81635	LEGSSB08-01	Solids	03/15/2023 13:50	03/16/2023
81636	LEGSSB09-01	Solids	03/15/2023 14:08	03/16/2023
81637	LEGSSB09-03	Solids	03/15/2023 14:12	03/16/2023
81638	LEGSSB10-01	Solids	03/15/2023 14:21	03/16/2023
81639	LEGSSB10-03	Solids	03/15/2023 14:25	03/16/2023
81640	LEGSSB11-01	Solids	03/15/2023 14:37	03/16/2023
81641	LEGSSB11-03	Solids	03/15/2023 14:42	03/16/2023
81642	LEGSSB12-01	Solids	03/15/2023 14:57	03/16/2023
81643	LEGSSB13-01	Solids	03/15/2023 15:08	03/16/2023
81644	LEGSSB14-01	Solids	03/15/2023 15:20	03/16/2023
81645	LEGSSB14-03	Solids	03/15/2023 15:24	03/16/2023
81646	LEGSSB15-01	Solids	03/15/2023 15:32	03/16/2023
81647	LEGSSB16-01	Solids	03/15/2023 15:39	03/16/2023
81648	LEGSSB17-01	Solids	03/15/2023 15:49	03/16/2023

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Sample Summary Table

Report Number: **23-075-0057**

Client Project Description: **Legends Park, Block A**
198 N. Pauline-Memphis, TN
Project No. 0888834888

Lab No	Client Sample ID	Matrix	Date Collected	Date Received
81649	LEGSSB17-03	Solids	03/15/2023 15:57	03/16/2023
81650	LEGSSB18-01	Solids	03/15/2023 16:08	03/16/2023
81651	LEGSSB19-01	Solids	03/15/2023 16:15	03/16/2023
81652	LEGSSB20-01	Solids	03/15/2023 16:21	03/16/2023
81653	LEGSSB20-03	Solids	03/15/2023 16:25	03/16/2023
81654	LEGSSB21-01	Solids	03/15/2023 16:35	03/16/2023
81655	LEGSSB22-01	Solids	03/15/2023 16:45	03/16/2023
81656	LEGSSB23-01	Solids	03/15/2023 16:51	03/16/2023
81657	LEGSSB24-01	Solids	03/15/2023 16:56	03/16/2023
81658	LEGSSB24-03	Solids	03/15/2023 16:59	03/16/2023

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Client: Ensafe
Project: Legends Park, Block A
Lab Report Number: 23-075-0057
Date: 3/21/2023

CASE NARRATIVE

Metals Analysis Method 6010D
Sample 81642 (LEGSSB12-01)
Analyte: Lead
QC Batch No: L670759/L670301
The matrix spike and/or the matrix spike duplicate was outside quality control acceptance ranges. A dilution test was performed and passed quality control acceptance ranges. No matrix interference is suspected.

Waypoint ANALYTICAL

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03180
Ensafe
Mr. Bryan Brister
5724 Summer Tree Drive
Memphis , TN 38134

Project Legends Park, Block A

Information : 198 N. Pauline-Memphis, TN
Project No. 0888834888

Report Date : 03/21/2023
Received : 03/16/2023

Report Number : **23-075-0057**

REPORT OF ANALYSIS

Rebekah Ross
Project Manager

Lab No : **81623**
Sample ID : **LEGSSB01-01**

Matrix: **Solids**
Sampled: **3/15/2023 11:55**

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Method
Moisture	**21.5**	%			1	03/20/23 14:40	TKM	SW-DRYWT
Lead	**26.1**	mg/Kg - dry	0.229	0.382	1	03/18/23 02:45	BKN	6010D

Qualifiers/ Definitions DF Dilution Factor MQL Method Quantitation Limit

Waypoint ANALYTICAL

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Project Legends Park, Block A

Information : 198 N. Pauline-Memphis, TN
Project No. 0888834888

Report Date : 03/21/2023
Received : 03/16/2023

Rebekah Ross
Project Manager

Report Number : **23-075-0057**

REPORT OF ANALYSIS

Lab No : **81624**
Sample ID : **LEGSSB01-03**

Matrix: **Solids**
Sampled: **3/15/2023 11:58**

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Method
Moisture	**19.8**	%			1	03/20/23 14:40	TKM	SW-DRYWT
Lead	**20.6**	mg/Kg - dry	0.224	0.374	1	03/18/23 02:50	BKN	6010D

Qualifiers/ Definitions DF Dilution Factor MQL Method Quantitation Limit

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Project Legends Park, Block A

Information : 198 N. Pauline-Memphis, TN
Project No. 0888834888

Report Date : 03/21/2023
Received : 03/16/2023

Rebekah Ross
Project Manager

Report Number : **23-075-0057**

REPORT OF ANALYSIS

Lab No : **81625**
Sample ID : **LEGSSB02-01**

Matrix: **Solids**
Sampled: **3/15/2023 12:17**

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Method
Moisture	**20.2**	%			1	03/20/23 14:40	TKM	SW-DRYWT
Lead	**32.3**	mg/Kg - dry	0.225	0.375	1	03/18/23 02:56	BKN	6010D

Qualifiers/ Definitions DF Dilution Factor MQL Method Quantitation Limit

Waypoint ANALYTICAL

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Ensafe
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5724 Summer Tree Drive
Memphis , TN 38134

Project Legends Park, Block A

Information : 198 N. Pauline-Memphis, TN
Project No. 0888834888

Report Date : 03/21/2023
Received : 03/16/2023

Rebekah Ross
Project Manager

Report Number : **23-075-0057**

REPORT OF ANALYSIS

Lab No : **81626**
Sample ID : **LEGSSB02-03**

Matrix: **Solids**
Sampled: **3/15/2023 12:20**

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Method
Moisture	**18.8**	%			1	03/20/23 14:40	TKM	SW-DRYWT
Lead	**11.4**	mg/Kg - dry	0.221	0.369	1	03/18/23 03:01	BKN	6010D

Qualifiers/ Definitions DF Dilution Factor MQL Method Quantitation Limit

Waypoint ANALYTICAL

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03180
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Mr. Bryan Brister
5724 Summer Tree Drive
Memphis , TN 38134

Project Legends Park, Block A

Information : 198 N. Pauline-Memphis, TN
Project No. 0888834888

Report Date : 03/21/2023
Received : 03/16/2023

Rebekah Ross
Project Manager

Report Number : **23-075-0057**

REPORT OF ANALYSIS

Lab No : **81627**
Sample ID : **LEGSSB03-01**

Matrix: **Solids**
Sampled: **3/15/2023 12:30**

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Method
Moisture	**26.3**	%			1	03/20/23 14:40	TKM	SW-DRYWT
Lead	**16.1**	mg/Kg - dry	0.244	0.407	1	03/18/23 03:07	BKN	6010D

Qualifiers/ Definitions DF Dilution Factor MQL Method Quantitation Limit

Waypoint ANALYTICAL

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Rebekah Ross
Project Manager

Report Number : **23-075-0057**

REPORT OF ANALYSIS

Lab No : **81628**
Sample ID : **LEGSSB03-03**

Matrix: **Solids**
Sampled: **3/15/2023 12:33**

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Method
Moisture	**21.7**	%			1	03/20/23 14:40	TKM	SW-DRYWT
Lead	**25.8**	mg/Kg - dry	0.229	0.383	1	03/18/23 03:23	BKN	6010D

Qualifiers/ Definitions DF Dilution Factor MQL Method Quantitation Limit

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Information : 198 N. Pauline-Memphis, TN
Project No. 0888834888

Report Date : 03/21/2023
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Rebekah Ross
Project Manager

Report Number : **23-075-0057**

REPORT OF ANALYSIS

Lab No : **81629**
Sample ID : **LEGSSB04-01**

Matrix: **Solids**
Sampled: **3/15/2023 12:48**

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Method
Moisture	**26.2**	%			1	03/20/23 14:40	TKM	SW-DRYWT
Lead	**18.3**	mg/Kg - dry	0.243	0.406	1	03/18/23 03:28	BKN	6010D

Qualifiers/ Definitions DF Dilution Factor MQL Method Quantitation Limit

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Report Date : 03/21/2023
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Rebekah Ross
Project Manager

Report Number : **23-075-0057**

REPORT OF ANALYSIS

Lab No : **81630**
Sample ID : **LEGSSB04-03**

Matrix: **Solids**
Sampled: **3/15/2023 12:57**

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Method
Moisture	**20.5**	%			1	03/20/23 14:40	TKM	SW-DRYWT
Lead	**26.4**	mg/Kg - dry	0.226	0.377	1	03/18/23 03:34	BKN	6010D

Qualifiers/ Definitions DF Dilution Factor MQL Method Quantitation Limit

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Report Number : **23-075-0057**

REPORT OF ANALYSIS

Lab No : **81631**
Sample ID : **LEGSSB05-01**

Matrix: **Solids**
Sampled: **3/15/2023 13:20**

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Method
Moisture	**20.7**	%			1	03/20/23 14:40	TKM	SW-DRYWT
Lead	**31.4**	mg/Kg - dry	0.226	0.378	1	03/18/23 03:39	BKN	6010D

Qualifiers/ Definitions DF Dilution Factor MQL Method Quantitation Limit

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Rebekah Ross
Project Manager

Report Number : **23-075-0057**

REPORT OF ANALYSIS

Lab No : **81632**
Sample ID : **LEGSSB05-03**

Matrix: **Solids**
Sampled: **3/15/2023 13:23**

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Method
Moisture	**15.8**	%			1	03/20/23 14:40	TKM	SW-DRYWT
Lead	**17.6**	mg/Kg - dry	0.213	0.356	1	03/18/23 03:45	BKN	6010D

Qualifiers/ Definitions DF Dilution Factor MQL Method Quantitation Limit

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Report Number : **23-075-0057**

REPORT OF ANALYSIS

Lab No : **81633**
Sample ID : **LEGSSB06-01**

Matrix: **Solids**
Sampled: **3/15/2023 13:40**

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Method
Moisture	**24.1**	%			1	03/20/23 15:00	TKM	SW-DRYWT
Lead	**33.2**	mg/Kg - dry	0.237	0.395	1	03/18/23 03:50	BKN	6010D

Qualifiers/ Definitions DF Dilution Factor MQL Method Quantitation Limit

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Report Number : **23-075-0057**

REPORT OF ANALYSIS

Lab No : **81634**
Sample ID : **LEGSSB07-01**

Matrix: **Solids**
Sampled: **3/15/2023 13:45**

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Method
Moisture	**22.5**	%			1	03/20/23 15:00	TKM	SW-DRYWT
Lead	**24.8**	mg/Kg - dry	0.232	0.387	1	03/18/23 03:56	BKN	6010D

Qualifiers/ Definitions DF Dilution Factor MQL Method Quantitation Limit

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Report Number : **23-075-0057**

REPORT OF ANALYSIS

Lab No : **81635**
Sample ID : **LEGSSB08-01**

Matrix: **Solids**
Sampled: **3/15/2023 13:50**

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Method
Moisture	**22.5**	%			1	03/20/23 15:00	TKM	SW-DRYWT
Lead	**23.5**	mg/Kg - dry	0.232	0.387	1	03/18/23 04:01	BKN	6010D

Qualifiers/ Definitions DF Dilution Factor MQL Method Quantitation Limit

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Report Number : **23-075-0057**

REPORT OF ANALYSIS

Lab No : **81636**
Sample ID : **LEGSSB09-01**

Matrix: **Solids**
Sampled: **3/15/2023 14:08**

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Method
Moisture	**29.9**	%			1	03/20/23 15:00	TKM	SW-DRYWT
Lead	**23.3**	mg/Kg - dry	0.256	0.427	1	03/18/23 04:06	BKN	6010D

Qualifiers/ Definitions DF Dilution Factor MQL Method Quantitation Limit

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Report Number : **23-075-0057**

REPORT OF ANALYSIS

Lab No : **81637**
Sample ID : **LEGSSB09-03**

Matrix: **Solids**
Sampled: **3/15/2023 14:12**

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Method
Moisture	**17.0**	%			1	03/20/23 15:00	TKM	SW-DRYWT
Lead	**20.1**	mg/Kg - dry	0.216	0.361	1	03/18/23 04:12	BKN	6010D

Qualifiers/ Definitions DF Dilution Factor MQL Method Quantitation Limit

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Report Number : **23-075-0057**

REPORT OF ANALYSIS

Lab No : **81638**
Sample ID : **LEGSSB10-01**

Matrix: **Solids**
Sampled: **3/15/2023 14:21**

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Method
Moisture	**23.3**	%			1	03/20/23 15:00	TKM	SW-DRYWT
Lead	**31.9**	mg/Kg - dry	0.234	0.391	1	03/18/23 04:27	BKN	6010D

Qualifiers/ Definitions DF Dilution Factor MQL Method Quantitation Limit

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REPORT OF ANALYSIS

Lab No : **81639**
Sample ID : **LEGSSB10-03**

Matrix: **Solids**
Sampled: **3/15/2023 14:25**

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Method
Moisture	**17.4**	%			1	03/20/23 15:00	TKM	SW-DRYWT
Lead	**19.9**	mg/Kg - dry	0.217	0.363	1	03/18/23 04:33	BKN	6010D

Qualifiers/ Definitions DF Dilution Factor MQL Method Quantitation Limit

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Report Number : **23-075-0057**

REPORT OF ANALYSIS

Lab No : **81640**
Sample ID : **LEGSSB11-01**

Matrix: **Solids**
Sampled: **3/15/2023 14:37**

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Method
Moisture	**25.2**	%			1	03/20/23 15:00	TKM	SW-DRYWT
Lead	**28.2**	mg/Kg - dry	0.240	0.401	1	03/18/23 04:39	BKN	6010D

Qualifiers/ Definitions DF Dilution Factor MQL Method Quantitation Limit

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Report Number : **23-075-0057**

REPORT OF ANALYSIS

Lab No : **81641**
Sample ID : **LEGSSB11-03**

Matrix: **Solids**
Sampled: **3/15/2023 14:42**

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Method
Moisture	**16.5**	%			1	03/20/23 15:00	TKM	SW-DRYWT
Lead	**60.1**	mg/Kg - dry	0.215	0.359	1	03/18/23 04:44	BKN	6010D

Qualifiers/ Definitions DF Dilution Factor MQL Method Quantitation Limit

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Report Number : **23-075-0057**

REPORT OF ANALYSIS

Lab No : **81642**
Sample ID : **LEGSSB12-01**

Matrix: **Solids**
Sampled: **3/15/2023 14:57**

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Method
Moisture	**21.4**	%			1	03/20/23 15:00	TKM	SW-DRYWT
Lead	**39.4**	mg/Kg - dry	0.229	0.381	1	03/18/23 04:50	BKN	6010D

Qualifiers/ Definitions DF Dilution Factor MQL Method Quantitation Limit

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Report Number : **23-075-0057**

REPORT OF ANALYSIS

Lab No : **81643**
Sample ID : **LEGSSB13-01**

Matrix: **Solids**
Sampled: **3/15/2023 15:08**

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Method
Moisture	**21.0**	%			1	03/20/23 15:10	TKM	SW-DRYWT
Lead	**43.8**	mg/Kg - dry	0.227	0.379	1	03/18/23 05:36	BKN	6010D

Qualifiers/ Definitions DF Dilution Factor MQL Method Quantitation Limit

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Report Number : **23-075-0057**

REPORT OF ANALYSIS

Lab No : **81644**
Sample ID : **LEGSSB14-01**

Matrix: **Solids**
Sampled: **3/15/2023 15:20**

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Method
Moisture	**25.7**	%			1	03/20/23 15:10	TKM	SW-DRYWT
Lead	**28.4**	mg/Kg - dry	0.242	0.403	1	03/18/23 05:42	BKN	6010D

Qualifiers/ Definitions DF Dilution Factor MQL Method Quantitation Limit

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Report Number : **23-075-0057**

REPORT OF ANALYSIS

Lab No : **81645**
Sample ID : **LEGSSB14-03**

Matrix: **Solids**
Sampled: **3/15/2023 15:24**

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Method
Moisture	**15.3**	%			1	03/20/23 15:10	TKM	SW-DRYWT
Lead	**26.2**	mg/Kg - dry	0.212	0.354	1	03/18/23 05:47	BKN	6010D

Qualifiers/ Definitions DF Dilution Factor MQL Method Quantitation Limit

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Report Number : **23-075-0057**

REPORT OF ANALYSIS

Lab No : **81646**
Sample ID : **LEGSSB15-01**

Matrix: **Solids**
Sampled: **3/15/2023 15:32**

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Method
Moisture	**19.8**	%			1	03/20/23 15:10	TKM	SW-DRYWT
Lead	**31.8**	mg/Kg - dry	0.224	0.374	1	03/18/23 05:53	BKN	6010D

Qualifiers/ Definitions DF Dilution Factor MQL Method Quantitation Limit

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Report Number : **23-075-0057**

REPORT OF ANALYSIS

Lab No : **81647**
Sample ID : **LEGSSB16-01**

Matrix: **Solids**
Sampled: **3/15/2023 15:39**

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Method
Moisture	**21.6**	%			1	03/20/23 15:10	TKM	SW-DRYWT
Lead	**29.7**	mg/Kg - dry	0.229	0.382	1	03/18/23 05:58	BKN	6010D

Qualifiers/ Definitions DF Dilution Factor MQL Method Quantitation Limit

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Report Number : **23-075-0057**

REPORT OF ANALYSIS

Lab No : **81648**
Sample ID : **LEGSSB17-01**

Matrix: **Solids**
Sampled: **3/15/2023 15:49**

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Method
Moisture	**21.5**	%			1	03/20/23 15:10	TKM	SW-DRYWT
Lead	**18.6**	mg/Kg - dry	0.229	0.382	1	03/18/23 06:03	BKN	6010D

Qualifiers/ Definitions DF Dilution Factor MQL Method Quantitation Limit

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Report Number : **23-075-0057**

REPORT OF ANALYSIS

Lab No : **81649**
Sample ID : **LEGSSB17-03**

Matrix: **Solids**
Sampled: **3/15/2023 15:57**

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Method
Moisture	**17.2**	%			1	03/20/23 15:10	TKM	SW-DRYWT
Lead	**37.8**	mg/Kg - dry	0.217	0.362	1	03/18/23 06:09	BKN	6010D

Qualifiers/ Definitions DF Dilution Factor MQL Method Quantitation Limit

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Report Number : **23-075-0057**

REPORT OF ANALYSIS

Lab No : **81650**
Sample ID : **LEGSSB18-01**

Matrix: **Solids**
Sampled: **3/15/2023 16:08**

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Method
Moisture	**21.1**	%			1	03/20/23 15:10	TKM	SW-DRYWT
Lead	**24.3**	mg/Kg - dry	0.228	0.380	1	03/18/23 06:14	BKN	6010D

Qualifiers/ Definitions DF Dilution Factor MQL Method Quantitation Limit

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Report Number : **23-075-0057**

REPORT OF ANALYSIS

Lab No : **81651**
Sample ID : **LEGSSB19-01**

Matrix: **Solids**
Sampled: **3/15/2023 16:15**

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Method
Moisture	**23.7**	%			1	03/20/23 15:10	TKM	SW-DRYWT
Lead	**41.4**	mg/Kg - dry	0.235	0.393	1	03/18/23 06:20	BKN	6010D

Qualifiers/ Definitions DF Dilution Factor MQL Method Quantitation Limit

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Report Number : **23-075-0057**

REPORT OF ANALYSIS

Lab No : **81652**
Sample ID : **LEGSSB20-01**

Matrix: **Solids**
Sampled: **3/15/2023 16:21**

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Method
Moisture	**20.7**	%			1	03/20/23 15:10	TKM	SW-DRYWT
Lead	**39.0**	mg/Kg - dry	0.226	0.378	1	03/18/23 06:35	BKN	6010D

Qualifiers/ Definitions DF Dilution Factor MQL Method Quantitation Limit

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03180
Ensafe
Mr. Bryan Brister
5724 Summer Tree Drive
Memphis , TN 38134

Project Legends Park, Block A

Information : 198 N. Pauline-Memphis, TN
Project No. 0888834888

Report Date : 03/21/2023
Received : 03/16/2023

Rebekah Ross
Project Manager

Report Number : **23-075-0057**

REPORT OF ANALYSIS

Lab No : **81653**
Sample ID : **LEGSSB20-03**

Matrix: **Solids**
Sampled: **3/15/2023 16:25**

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Method
Moisture	**20.9**	%			1	03/20/23 15:30	TKM	SW-DRYWT
Lead	**22.9**	mg/Kg - dry	0.227	0.379	1	03/18/23 06:41	BKN	6010D

Qualifiers/ Definitions DF Dilution Factor MQL Method Quantitation Limit

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Project Legends Park, Block A

Information : 198 N. Pauline-Memphis, TN
Project No. 0888834888

Report Date : 03/21/2023
Received : 03/16/2023

Rebekah Ross
Project Manager

Report Number : **23-075-0057**

REPORT OF ANALYSIS

Lab No : **81654**
Sample ID : **LEGSSB21-01**

Matrix: **Solids**
Sampled: **3/15/2023 16:35**

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Method
Moisture	**5.31**	%			1	03/20/23 15:30	TKM	SW-DRYWT
Lead	**6.07**	mg/Kg - dry	0.190	0.316	1	03/18/23 06:46	BKN	6010D

Qualifiers/ Definitions DF Dilution Factor MQL Method Quantitation Limit

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Memphis , TN 38134

Project Legends Park, Block A

Information : 198 N. Pauline-Memphis, TN
Project No. 0888834888

Report Date : 03/21/2023
Received : 03/16/2023

Rebekah Ross
Project Manager

Report Number : **23-075-0057**

REPORT OF ANALYSIS

Lab No : **81655**
Sample ID : **LEGSSB22-01**

Matrix: **Solids**
Sampled: **3/15/2023 16:45**

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Method
Moisture	**22.4**	%			1	03/20/23 15:30	TKM	SW-DRYWT
Lead	**38.9**	mg/Kg - dry	0.231	0.386	1	03/18/23 06:51	BKN	6010D

Qualifiers/ Definitions DF Dilution Factor MQL Method Quantitation Limit

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Project Legends Park, Block A

Information : 198 N. Pauline-Memphis, TN
Project No. 0888834888

Report Date : 03/21/2023
Received : 03/16/2023

Rebekah Ross
Project Manager

Report Number : **23-075-0057**

REPORT OF ANALYSIS

Lab No : **81656**
Sample ID : **LEGSSB23-01**

Matrix: **Solids**
Sampled: **3/15/2023 16:51**

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Method
Moisture	**18.8**	%			1	03/20/23 15:30	TKM	SW-DRYWT
Lead	**23.9**	mg/Kg - dry	0.221	0.369	1	03/18/23 06:57	BKN	6010D

Qualifiers/ Definitions DF Dilution Factor MQL Method Quantitation Limit

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Memphis , TN 38134

Project Legends Park, Block A

Information : 198 N. Pauline-Memphis, TN
Project No. 0888834888

Report Date : 03/21/2023
Received : 03/16/2023

Rebekah Ross
Project Manager

Report Number : **23-075-0057**

REPORT OF ANALYSIS

Lab No : **81657**
Sample ID : **LEGSSB24-01**

Matrix: **Solids**
Sampled: **3/15/2023 16:56**

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Method
Moisture	**18.7**	%			1	03/20/23 15:30	TKM	SW-DRYWT
Lead	**12.0**	mg/Kg - dry	0.221	0.369	1	03/18/23 07:02	BKN	6010D

Qualifiers/ Definitions DF Dilution Factor MQL Method Quantitation Limit

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Memphis , TN 38134

Project Legends Park, Block A

Information : 198 N. Pauline-Memphis, TN
Project No. 0888834888

Report Date : 03/21/2023
Received : 03/16/2023

Rebekah Ross
Project Manager

Report Number : **23-075-0057**

REPORT OF ANALYSIS

Lab No : **81658**
Sample ID : **LEGSSB24-03**

Matrix: **Solids**
Sampled: **3/15/2023 16:59**

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Method
Moisture	**21.1**	%			1	03/20/23 15:30	TKM	SW-DRYWT
Lead	**15.5**	mg/Kg - dry	0.228	0.380	1	03/18/23 07:08	BKN	6010D

Qualifiers/ Definitions DF Dilution Factor MQL Method Quantitation Limit

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Quality Control Data

Client ID: **Ensafe**
Project Description: **Legends Park, Block A**
Report No: **23-075-0057**

QC Prep: L670301
QC Prep Batch Method: 3050B
QC Analytical Batch(es): L670759
Analysis Method: 6010D
Analysis Description: Metals Analysis

Lab Reagent Blank LRB-L670301 Matrix: SOL

Associated Lab Samples: 81623, 81624, 81625, 81626, 81627, 81628, 81629, 81630, 81631, 81632, 81633, 81634, 81635, 81636, 81637, 81638, 81639, 81640, 81641, 81642

Parameter	Units	Blank Result	MDL	MQL	Analyzed
Lead	mg/Kg	<0.180	0.180	0.300	03/18/23 02:40

Laboratory Control Sample LCS-L670301

Parameter	Units	Spike Conc.	LCS Result	LCS %Rec	% Rec Limits
Lead	mg/Kg	5.00	5.41	108	80-120

Matrix Spike & Matrix Spike Duplicate L 81642-MS-L670301 L 81642-MSD-L670301

Parameter	Units	Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS %Rec	MSD %Rec	%Rec Limits	RPD	Max RPD
Lead	mg/Kg	31.0	4.91	4.41	35.3	50.0	88.0	431*	75-125	34.4*	20.0

* QC Fail

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Quality Control Data

Client ID: **Ensafe**
Project Description: **Legends Park, Block A**
Report No: **23-075-0057**

QC Prep: L670302
QC Prep Batch Method: 3050B
QC Analytical Batch(es): L670759
Analysis Method: 6010D
Analysis Description: Metals Analysis

Lab Reagent Blank LRB-L670302 Matrix: SOL

Associated Lab Samples: 81643, 81644, 81645, 81646, 81647, 81648, 81649, 81650, 81651, 81652, 81653, 81654, 81655, 81656, 81657, 81658

Parameter	Units	Blank Result	MDL	MQL	Analyzed
Lead	mg/Kg	<0.180	0.180	0.300	03/18/23 05:31

Laboratory Control Sample LCS-L670302

Parameter	Units	Spike Conc.	LCS Result	LCS %Rec	% Rec Limits
Lead	mg/Kg	5.00	5.50	110	80-120

Matrix Spike & Matrix Spike Duplicate V 90975-MS-L670302 V 90975-MSD-L670302

Parameter	Units	Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS %Rec	MSD %Rec	%Rec Limits	RPD	Max RPD
Lead	mg/Kg	12.7	4.64	4.57	18.5	17.6	125	107	75-125	4.9	20.0

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Quality Control Data

Client ID: **Ensafe**
Project Description: **Legends Park, Block A**
Report No: **23-075-0057**

QC Analytical Batch: L670843
Analysis Method: SW-DRYWT
Analysis Description: Dry Weight Determination

Duplicate L 81632-DUP

Parameter	Units	Result	DUP Result	RPD	Max RPD	Analyzed
Moisture	%	15.8	16.0	1.2	20.0	03/20/23 14:40

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Quality Control Data

Client ID: **Ensafe**
Project Description: **Legends Park, Block A**
Report No: **23-075-0057**

QC Analytical Batch: L670844
Analysis Method: SW-DRYWT
Analysis Description: Dry Weight Determination

Duplicate L 81642-DUP

Parameter	Units	Result	DUP Result	RPD	Max RPD	Analyzed
Moisture	%	21.4	20.9	2.3	20.0	03/20/23 15:00

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Quality Control Data

Client ID: **Ensafe**
Project Description: **Legends Park, Block A**
Report No: **23-075-0057**

QC Analytical Batch: L670845
Analysis Method: SW-DRYWT
Analysis Description: Dry Weight Determination

Duplicate L 81652-DUP

Parameter	Units	Result	DUP Result	RPD	Max RPD	Analyzed
Moisture	%	20.7	22.6	8.7	20.0	03/20/23 15:10

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Quality Control Data

Client ID: **Ensafe**
Project Description: **Legends Park, Block A**
Report No: **23-075-0057**

QC Analytical Batch: L670846
Analysis Method: SW-DRYWT
Analysis Description: Dry Weight Determination

Duplicate P 58455-DUP

Parameter	Units	Result	DUP Result	RPD	Max RPD	Analyzed
Moisture	%	75.4	76.3	1.1	20.0	03/20/23 15:30

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Shipment Receipt Form

Customer Number: **03180**
Customer Name: **Ensafe**
Report Number: **23-075-0057**

Shipping Method

◯ Fed Ex	◯ US Postal	◯ Lab	◯ Other :	
◯ UPS	◉ Client	◯ Courier	Thermometer ID:	T135

Shipping container/cooler uncompromised?	◉ Yes	◯ No	
Number of coolers/boxes received	1		
Custody seals intact on shipping container/cooler?	◯ Yes	◯ No	◉ Not Present
Custody seals intact on sample bottles?	◯ Yes	◯ No	◉ Not Present
Chain of Custody (COC) present?	◉ Yes	◯ No	
COC agrees with sample label(s)?	◉ Yes	◯ No	
COC properly completed	◉ Yes	◯ No	
Samples in proper containers?	◉ Yes	◯ No	
Sample containers intact?	◉ Yes	◯ No	
Sufficient sample volume for indicated test(s)?	◉ Yes	◯ No	
All samples received within holding time?	◉ Yes	◯ No	
Cooler temperature in compliance?	◉ Yes	◯ No	
Cooler/Samples arrived at the laboratory on ice. Samples were considered acceptable as cooling process had begun.	◉ Yes	◯ No	
Water - Sample containers properly preserved	◯ Yes	◯ No	◉ N/A
Water - VOA vials free of headspace	◯ Yes	◯ No	◉ N/A
Trip Blanks received with VOAs	◯ Yes	◯ No	◉ N/A
Soil VOA method 5035 – compliance criteria met	◯ Yes	◯ No	◉ N/A

☐ High concentration container (48 hr) ☐ Low concentration EnCore samplers (48 hr)

☐ High concentration pre-weighed (methanol -14 d) ☐ Low conc pre-weighed vials (Sod Bis -14 d)

Special precautions or instructions included?	◯ Yes	◉ No

Comments:

Signature: Mallory Earle Date & Time: 03/16/2023 14:04:21

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EnSafe Inc.
800-588-7962

CHAIN OF CUSTODY AND ANALYTICAL REQUEST RECORD

COC No. GMH0315 2023 | Page 1 of 3

Project Name: **Edgeview at Legends Park, Block A** | PO No. | Project No. **888834888** Phase

Site Location: **Memphis, TN**

Sample Analysis Requested (*Enter number of containers for each test*)

Sampler/Site Phone# **Bryan Brister/901-488-6709; Griffin Heard/901-483-0920**

Lab Name: **WAYPOINT ANALYTICAL** Turnaround Time(specify): **3 DAY**

Lab ID	Sample ID	Location ID (sys_loc_code)	Date (mm/dd/yy)	Time (Military) (hhmm)	Matrix Code (1)	Sample Type (2)	Field Filtered (Y/N)	(3)→ Total No. of Containers	6010 - Lead									Extra Volume for MS/MSD	HOLD
	LEGSSB01-01	SB01	3/15/23	1155	SO	N	N	1	X										
	LEGSSB01-03	SB01	3/15/23	1158	SO	N	N	1	X										
	LEGSSB02-01	SB02	3/15/23	1217	SO	N	N	1	X										
	LEGSSB02-03	SB02	3/15/23	1220	SO	N	N	1	X										
	LEGSSB03-01	SB03	3/15/23	1230	SO	N	N	1	X										
	LEGSSB03-03	SB03	3/15/23	1233	SO	N	N	1	X										
	LEGSSB04-01	SB04	3/15/23	1248	SO	N	N	1	X										
	LEGSSB04-03	SB04	3/15/23	1251	SO	N	N	1	X										
	LEGSSB05-01	SB05	3/15/23	1320	SO	N	N	1	X										
	LEGSSB05-03	SB05	3/15/23	1323	SO	N	N	1	X										
	LEGSSB06-01	SB06	3/15/23	1340	SO	N	N	1	X										
	LEGSSB07-01	SB07	3/15/23	1345	SO	N	N	1	X										
	LEGSSB08-01	SB08	3/15/23	1350	SO	N	N	1	X										

23-075-0057
03180
03-16-2023
13:53:23
Ensafe
Legends Park, Block A

***Field* Comments:**

***Lab* Comments:** 1.3°C T135 ME

Sample Shipment and Delivery Details
Number of coolers in shipment: 1

Relinquished by (signature)	Date	Time	Received by (signature)	Date	Time
1	3-16-23	1310	1		
2			2		
3			3 Mallory Eoule	3/16/23	13:10

Samples Iced?(check) Yes ✓ No ____
Method of Shipment: Hand Deliver
Airbill No:
Date Shipped: 3-16-23

(1) Matrix Code: **AA**=Air, **AQ**=Air QC Matrix, **CK**=Caulk, **GS**=Soil Gas, **LF**=Free Product, **LH**=Liquid Waste, **MS**=Mastic, **Oil**=Oil, **PT**=Paint, **SC**=Cement/Concrete, **SE**=Sediment, **SF**=Filter Sandpack, **SL**=Sludge, **SN**=Miscellaneous Solid/Building Materials, **SO**=Soil, **SQ**=Soil/Solid QC Matrix, **ST**=Solid Waste, **SW**=Swab/Wipe, **TA**=Animal Tissue, **TP**=Plant Tissue, **WG**=Ground Water, **WL**=Leachate, **WO**=Ocean Water, **WP**=Drinking Water, **WQ**=Water QC Matrix, **WS**=Surface Water, **SU**=Sewer Water, **WW**=Waste Water

(2) Sample Type: **AB**=Ambient Blank, **EB**=Equipment Blank, **FB**=Field Blank, **FD**=Field Duplicate Sample, **FR**=Field Replicate, **MB**=Material Blank, **N**=Normal Environmental Sample, **RB**=Material Rinse Blank, **TB**=Trip Blank

(3) Preservative added: **HA**=Hydrochloric Acid, **NI**=Nitric Acid, **SH**=Sodium Hydroxide, **SA**=Sulfuric Acid, **AA**=Ascorbic Acid, **HX**=Hexane, **ME**=Methanol, **SB**=sodium bisulfate, **ST**=Sodium Thiosulfate, If **NO preservative** added leave blank

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CHAIN OF CUSTODY AND ANALYTICAL REQUEST RECORD

COC No. GMHB152023 | Page 2 of 3

Project Name: **Edgeview at Legends Park, Block A** | PO No. | Project No. **888834888** Phase

Site Location: **Memphis, TN**

Sample Analysis Requested (*Enter number of containers for each test*)

Sampler/Site Phone# **Bryan Brister/901-488-6709; Griffin Heard/901-483-0920**

Lab Name: **WAYPOINT ANALYTICAL** Turnaround Time(specify): **3 DAY**

Lab ID	Sample ID	Location ID (sys_loc_code)	Date (mm/dd/yy)	Time (Military) (hhmm)	Matrix Code (1)	Sample Type (2)	Field Filtered (Y/N)	(3)→ Total No. of Containers	6010 - Lead									Extra Volume for MS/MSD	HOLD
	LEGSSB09-01	SB09	3/15/23	1408	SO	N	N	1	X										
	LEGSSB09-03	SB09		1412				1	X										
	LEGSSB10-01	SB10		1421				1	X										
	LEGSSB10-03	SB10		1425				1	X										
	LEGSSB11-01	SB11		1437				1	X										
	LEGSSB11-03	SB11		1442				1	X										
	LEGSSB12-01	SB12		1457				1	X										
	LEGSSB13-01	SB13		1508				1	X										
	LEGSSB14-01	SB14		1520				1	X										
	LEGSSB14-03	SB14		1524				1	X										
	LEGSSB15-01	SB15		1532				1	X										
	LEGSSB16-01	SB16		1539				1	X										
	LEGSSB17-01	SB17		1549				1	X										

23-075-0057
03180
03-16-2023
13:53:23
Ensafe
Legends Park, Block A

***Field* Comments:**

***Lab* Comments:** 1.3°C T135 MF

Sample Shipment and Delivery Details
Number of coolers in shipment: 1

Relinquished by (signature)	Date	Time	Received by (signature)	Date	Time
1	3-16-23	1310	1		
2			2		
3			3 Mallory Earle	3/16/23	13:10

Samples Iced?(check) Yes ✓ No ____
Method of Shipment: Hand Deliver
Airbill No:
Date Shipped: 3-16-23

(1) Matrix Code: **AA**=Air, **AQ**=Air QC Matrix, **CK**=Caulk, **GS**=Soil Gas, **LF**=Free Product, **LH**=Liquid Waste, **MS**=Mastic, **Oil**=Oil, **PT**=Paint, **SC**=Cement/Concrete, **SE**=Sediment, **SF**=Filter Sandpack, **SL**=Sludge, **SN**=Miscellaneous Solid/Building Materials, **SO**=Soil, **SQ**=Soil/Solid QC Matrix, **ST**=Solid Waste, **SW**=Swab/Wipe, **TA**=Animal Tissue, **TP**=Plant Tissue, **WG**=Ground Water, **WL**=Leachate, **WO**=Ocean Water, **WP**=Drinking Water, **WQ**=Water QC Matrix, **WS**=Surface Water, **SU**=Sewer Water, **WW**=Waste Water

(2) Sample Type: **AB**=Ambient Blank, **EB**=Equipment Blank, **FB**=Field Blank, **FD**=Field Duplicate Sample, **FR**=Field Replicate, **MB**=Material Blank, **N**=Normal Environmental Sample, **RB**=Material Rinse Blank, **TB**=Trip Blank

(3) Preservative added: **HA**=Hydrochloric Acid, **NI**=Nitric Acid, **SH**=Sodium Hydroxide, **SA**=Sulfuric Acid, **AA**=Ascorbic Acid, **HX**=Hexane, **ME**=Methanol, **SB**=sodium bisulfate, **ST**=Sodium Thiosulfate, If **NO preservative** added leave blank

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CHAIN OF CUSTODY AND ANALYTICAL REQUEST RECORD

COC No. GMH03152023 | Page 3 of 3

Project Name: **Edgeview at Legends Park, Block A** | PO No. | Project No. **888834888** Phase

Site Location: **Memphis, TN**

Sample Analysis Requested (*Enter number of containers for each test*)

Sampler/Site Phone# **Bryan Brister/901-488-6709; Griffin Heard/901-483-0920**

Lab Name: **WAYPOINT ANALYTICAL** Turnaround Time(specify): **3 DAY**

Lab ID	Sample ID	Location ID (sys_loc_code)	Date (mm/dd/yy)	Time (Military) (hhmm)	Matrix Code (1)	Sample Type (2)	Field Filtered (Y/N)	(3)→ Total No. of Containers	6010 - Lead									Extra Volume for MS/MSD	HOLD
	LEGSSB17-03	SB17	3/15/23	1551	SO	N	N	1	X										
	LEGSSB18-01	SB18		1608				1	X										
	LEGSSB19-01	SB19		1615				1	X										
	LEGSSB20-01	SB20		1621				1	X										
	LEGSSB20-03	SB20		1625				1	X										
	LEGSSB21-01	SB21		1635				1	X										
	LEGSSB22-01	SB22		1645				1	X										
	LEGSSB23-01	SB23		1651				1	X										
	LEGSSB24-01	SB24		1656				1	X										
	LEGSSB24-03	SB24		1659				1	X										

23-075-0057
03180
03-16-2023
13:53:23
Ensafe
Legends Park, Block A

***Field* Comments:**

***Lab* Comments:** 1.3°C T135 ME

Sample Shipment and Delivery Details
Number of coolers in shipment: 1

Relinquished by (signature)	Date	Time	Received by (signature)	Date	Time
1	3-1623	1310	1		
2			2		
3			3 Mallory Ennis	3/16/23	13:10

Samples Iced?(check) Yes ✓ No ____
Method of Shipment: Hand delive
Airbill No:
Date Shipped: 3-16-23

(1) Matrix Code: **AA**=Air, **AQ**=Air QC Matrix, **CK**=Caulk, **GS**=Soil Gas, **LF**=Free Product, **LH**=Liquid Waste, **MS**=Mastic, **Oil**=Oil, **PT**=Paint, **SC**=Cement/Concrete, **SE**=Sediment, **SF**=Filter Sandpack, **SL**=Sludge, **SN**=Miscellaneous Solid/Building Materials, **SO**=Soil, **SQ**=Soil/Solid QC Matrix, **ST**=Solid Waste, **SW**=Swab/Wipe, **TA**=Animal Tissue, **TP**=Plant Tissue, **WG**=Ground Water, **WL**=Leachate, **WO**=Ocean Water, **WP**=Drinking Water, **WQ**=Water QC Matrix, **WS**=Surface Water, **SU**=Sewer Water, **WW**=Waste Water

(2) Sample Type: **AB**=Ambient Blank, **EB**=Equipment Blank, **FB**=Field Blank, **FD**=Field Duplicate Sample, **FR**=Field Replicate, **MB**=Material Blank, **N**=Normal Environmental Sample, **RB**=Material Rinse Blank, **TB**=Trip Blank

(3) Preservative added: **HA**=Hydrochloric Acid, **NI**=Nitric Acid, **SH**=Sodium Hydroxide, **SA**=Sulfuric Acid, **AA**=Ascorbic Acid, **HX**=Hexane, **ME**=Methanol, **SB**=sodium bisulfate, **ST**=Sodium Thiosulfate, If **NO preservative** added leave blank

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March 30, 2023

Mr. Brian Thomas
PennRose
675 Ponce de Leon Avenue NE
Suite 8500
Atlanta, Georgia 30308

via e-mail: bthomas@pennrose.com

Re: Soil Gas Sampling
Block A, Legends Park Subdivision
Memphis, Tennessee

Dear Mr. Thomas:

EnSafe Inc. is pleased to provide this Soil Gas Sampling Letter Report for Block A (Site) at the Legends Park Subdivision in Memphis, Tennessee.

SITE DESCRIPTION AND HISTORY

The Site is located on a 4.77-acre vacant parcel (Shelby County Parcel 051017 00018) within the 30.91-acre Legends Park Subdivision. According to the Phase I ESA performed by EnSafe (December 2021), the Site has been developed since at least 1897 with single- and multi-family residences and was part of the Dixie Homes public housing development from 1937 until 2006 when the area was cleared for redevelopment as the Legends Park Subdivision. Additionally, the Phase I ESA identified a former clothes cleaner and presser at the Site. No further information regarding operations at the cleaners was identified, but it could have potentially operated as a drycleaner. Additionally, soils containing polyaromatic hydrocarbons (PAHs) were used as fill material during redevelopment of the west-adjacent property.

The Site is included in the Brownfield Voluntary Agreement (BVA) Site 79-846, effective date September 9, 2009. The BVA was based on the presence of hydrocarbons and dry-cleaning solvents in soil gas and groundwater south (hydraulically upgradient) of the Site. The BVA instituted Land Use Restrictions on the Site; these include the prohibition of water wells and use of groundwater on the property, the management of any discovered contaminated soils in accordance with a Tennessee Department of Environmental Conservation (TDEC)-approved soil management plan and the installation of soil vapor mitigation systems for buildings constructed at the property if needed.

Prior soil gas sampling was conducted by EnSafe on December 8 through 10, 2021 as part of a Phase II Environmental Site Assessment (ESA). The December 2021 analytical results showed twenty-seven detected VOCs in soil gas sampled from five locations across the Site, not within the

proposed building footprint. Two VOCs (benzene and naphthalene) exceeded their respective residential VISLs at one location with naphthalene also exceeding its commercial VISL. Additionally, the calculated carcinogenic risk at this sample location exceeded the risk threshold of 1E-05. This sampling event evaluated soil gas within the footprint of the proposed building for potential chemicals of concern associated with historical operations at the Site and surrounding area properties.

DATA COLLECTION PROCEDURES

Soil gas sampling was conducted at the Site following the procedures outlined in the approved Soil-Gas Sampling Proposal, dated January 30, 2023. Due to wet conditions and equipment failures, field work was conducted on three dates in 2023: February 20, February 28, and March 7. On February 20, the flow controller failed at SG07 and SG08, and water was pulled at SG09. All other soil-gas samples (SG06, SG10, SG11, and SG12) were collected. On February 28, soil gas samples at SG07 and SG08 were successfully collected, but water was pulled at SG09. On March 7, a soil gas sample at SG09 was collected. Sample locations are shown on Figure 1 (Attachment A).

Before initiating field sampling, Tennessee One Call and a private subsurface utility location service identified the locations of buried utilities and other structures that would be damaged or would prevent the advancement of soil borings at each sampling location.[1] Boring locations were adjusted to avoid the presence of anomalies indicating unknown objects and/or utilities in the shallow soils.

Soil Gas Sampling

Seven soil gas sampling points were advanced to 3-5 feet below the ground surface using a hammer drill. At each location, a stainless-steel screen probe and 0.25-inch diameter Teflon tubing were inserted in the borehole. The screens were secured in place with sand. Bentonite clay was used at the surface to seal the borehole and to prevent infiltration from ambient air.

Before sampling, the soil gas borings were allowed to stabilize for a minimum of 2 hours. All fittings on the Summa manifolds were inspected for a proper fit and seal using shut-in tests. Shut-in tests were performed by using a purge canister to create a vacuum in the sample train and the gauge on the manifold was observed for at least 2 minutes to determine if the pressure remained stable. Each system was purged using a sacrificial Summa canister or syringe. Isopropanol was used as a tracer gas to indicate any potential leaks within each sample setup. Soil gas samples were collected in laboratory-provided, individually-certified, 6-liter Summa canisters with a designated soil gas manifold. The manifolds' flow rates were set to 200 milliliters per minute by the laboratory. Each sample was collected over an approximately 30-minute period.

All samples, along with pre and post-canister vacuum pressures, canister serial numbers, sample identifications, sampling dates, and required analyses were recorded on the chain-of-custody form. The samples were shipped via overnight courier to Pace National of Mount Juliet, Tennessee.

[1] The private subsurface utility locater, Alsip Locating Service, used ground-penetrating radar equipment to look for the presence of underground utilities and other structures at the sampling locations.

Canisters were analyzed using the United States Environmental Protection Agency (U.S. EPA) Method TO-15 for VOCs. Field sampling logs for soil gas samples are included in Attachment B.

ANALYTICAL RESULTS

Analytical results for the soil gas samples were compared to the November 2022 U.S. EPA Vapor Intrusion Screening Levels (VISL) for residential air. In accordance with TDEC guidance, detected chemicals were evaluated based on the cumulative target lifetime carcinogenic risk of 10E-6 and a target noncarcinogenic hazard quotient of 0.1. Laboratory detections for the soil gas samples are summarized in Table 1 (Attachment C). Laboratory reports for soil gas are provided in Attachment D. Twenty-three VOCs were detected in soil gas sampled from the seven locations at the Site, and no VOCs were reported above U.S. EPA residential VISLs.

Risk screening was performed using the U.S. EPA VISL Risk Calculator. Input parameters for the U.S. EPA VISL calculator included location-specific concentrations and default exposure assumptions for risk screening; VISL risk outputs are provided in Attachment E and summarized in Table 1 (Attachment C). TDEC generally requires response actions (which could include a vapor barrier, mitigation system, monitoring, etc.) when risk is above 1E-05 and/or the hazard quotient is above 1.0. For the residential exposure scenario, carcinogenic risk ranged from 2.49E-10 to 2.38E-07 and the hazard quotient ranged from 0.00963 to 0.0386.

CONCLUSIONS

During this February/March 2023 soil gas sampling event, twenty-three VOCs were detected in soil gas sampled from the seven locations at the Site and none of these VOCs were reported above U.S. EPA residential VISLs. Additionally, both the calculated carcinogenic risk and hazard quotients were below levels that would prompt TDEC to require response actions.

LIMITATIONS

The information presented in this report was obtained through performance of the approved proposal dated January 30, 2023. Report users should recognize that any sampling or testing activities are inherently limited, in that conditions at other locations and depths within the Site may vary from those at the locations where samples or measurements were obtained. The ability of EnSafe to interpret results and draw conclusions about Site conditions is similarly limited and subject to the availability and quality of information that led EnSafe to select sampling or measurement locations, and to practical limits in the extent of sampling that was conducted. EnSafe has conducted the professional assessment services with a level of care and skill consistent with generally accepted environmental consulting industry standards.

Report results apply solely to conditions existing at the time that EnSafe obtained samples or conducted tests. Only the party for whom this report was originally prepared has the right to make use of and rely upon this report. Reuse of this report or any portion thereof for other than its intended purpose shall be at the user's sole risk. EnSafe makes no representation as to the accuracy or completeness of information prepared by other parties.

Sincerely,

EnSafe Inc.

By: Allison Harris
Senior Project Manager, Professional Geologist

Chelsea Brock
Environmental Specialist

Attachments:

Attachment A — Figures
Attachment B — Soil Gas Sampling Logs
Attachment C — Tables
Attachment D — Laboratory Data Reports
Attachment E — VISL Calculator Outputs

Attachment A
Figures

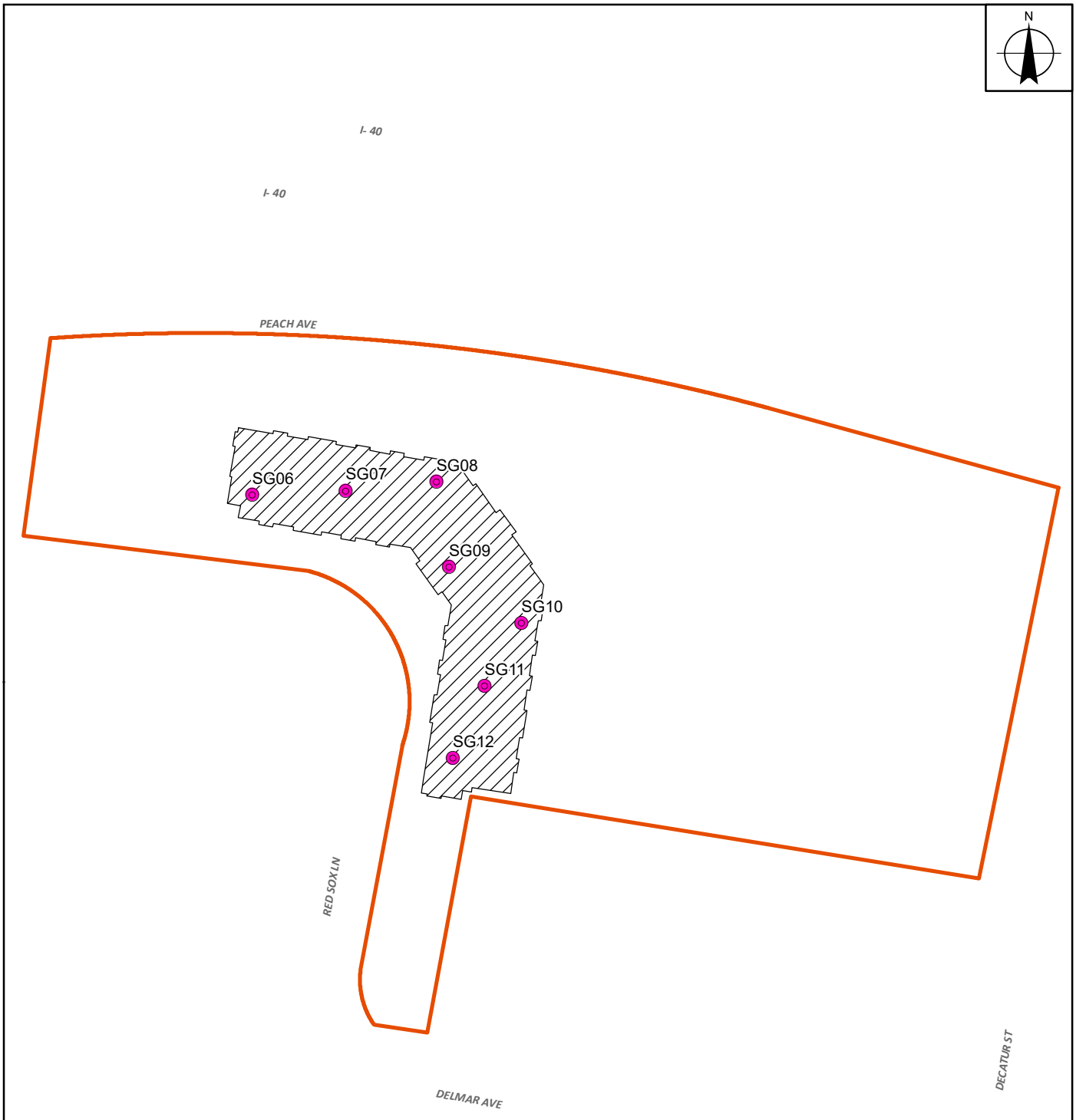

FIGURE 1
SAMPLE LOCATION MAP
LEGENDS PARK SUBDIVISION
BLOCK A
MEMPHIS, TENNESSEE

LEGEND

- SOIL GAS SAMPLE LOCATION
- PROPOSED BUILDING
- SUBJECT PROPERTY/REDUCED PARCEL BOUNDARY

NAD 1983 STATE PLANE
TENNESSEE FEET

0 50 100

SCALE IN FEET

REQUESTED BY:	AC
DRAWN BY:	MS
DATE:	2/17/2023
PROJECT:	0888834477

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Source: Esri, Maxar, Earthstar Geographics, and the GIS User Community

X:\LegendPark\SampleLocMap.mxd

Attachment B
Soil Gas Sampling Logs

Vapor Intrusion Assessment Field Sampling Form				
Site Location	Edgeview at Legends Park, Memphis, Tennessee			
Project Name	Legends Park, Block A Soil Gas Sampling			
Project Number	0888834477/001			
Personnel	Griffin Heard			
Sample ID	LEGASG06	LEGASG07	LEGASG08	LEGASG09
Date	2/20/2023	2/20/2023	2/20/2023	2/20/2023
Sub-Slab, Near-Slab, or Soil Gas?	Soil Gas	Soil Gas	Soil Gas	Soil Gas
Sample Type (Summa, Tedlar, Syringe, etc.)	Summa	Summa	Summa	Summa
Was leak testing performed?	Yes	Yes	Yes	Yes
What type? (check dam, Helium shroud, IPA)	IPA	IPA	IPA	IPA
Were leaks indicated?				
If He, shroud/purge He concentrations (%)	N/A	N/A	N/A	N/A
Final He concentration (%)	N/A	N/A	N/A	N/A
If using IPA or He, has analysis been requested from lab?	N/A	N/A	N/A	N/A
Was shut-in test performed?	Yes	Yes	Yes	Yes
Duration of test (sec)	120	120	120	120
Canister Vacuum pre-test (inHg)	21	25	20	21
Canister Vacuum post-test (inHg)	21	25	20	21
Purge Method (sacrificial summa, syringe, other)	Sac. Summa	Sac. Summa	Sac. Summa	Sac. Summa
Purge Rate (mL/min)	200	200	200	200
Volume Purged (mL)	400	400	400	400
Was purge gas screening performed?	No	No	No	No
Canister Size	6 L	6 L	6 L	6 L
Sampling Duration (24 hr, 12 hr, 8 hr, grab)	Grab	Grab	Grab	Grab
Canister #	12070	6305	11963	11963
Flow Controller #	20971	7026	21701	11042
Sample Start Time	1332	1337	1426	NA
Sample End Time	1344	1337	1428	NA
Canister Starting Vacuum (inHg)	26.5	19.5	25	NA
Canister Ending Vacuum (inHg)	4	0	5	NA
Analysis	TO-15	TO-15	TO-15	TO-15
Floor Conditions (concrete, wood, carpet, other)	Grass	Grass	Grass	Grass
Visible cracks, sumps, utility penetrations?				
VOC sources in area?	No	No		No
Other Comments		Flow controller failure?	ster from SG09, redo shole; water coming up during purge	

Vapor Intrusion Assessment Field Sampling Form				
Site Location	Edgeview at Legends Park, Memphis, Tennessee			
Project Name	Legends Park, Block A Soil Gas Sampling			
Project Number	0888834477/001			
Personnel	Griffin Heard			
Sample ID	LEGASG10	LEGASG11	LEGASG12	
Date	2/20/2023	2/20/2023	2/20/2023	
Sub-Slab, Near-Slab, or Soil Gas?	Soil Gas	Soil Gas	Soil Gas	
Sample Type (Summa, Tedlar, Syringe, etc.)	Summa	Summa	Summa	
Was leak testing performed?	Yes	Yes	Yes	
What type? (check dam, Helium shroud, IPA)	IPA	IPA	IPA	
Were leaks indicated?				
If He, shroud/purge He concentrations (%)	N/A	N/A	N/A	
Final He concentration (%)	N/A	N/A	N/A	
If using IPA or He, has analysis been requested from lab?	N/A	N/A	N/A	
Was shut-in test performed?	Yes	Yes	Yes	
Duration of test (sec)	120	120	120	
Canister Vacuum pre-test (inHg)	21	19.5	21	
Canister Vacuum post-test (inHg)	21	19.5	21	
Purge Method (sacrificial summa, syringe, other)	Sac. Summa	Sac. Summa	Sac. Summa	
Purge Rate (mL/min)	200	200	200	
Volume Purged (mL)	400	400	400	
Was purge gas screening performed?	No	No	No	
Canister Size	6 L	6 L	6 L	
Sampling Duration (24 hr, 12 hr, 8 hr, grab)	Grab	Grab	Grab	
Canister #	9654	8811	12019	
Flow Controller #	12580	12569	7841	
Sample Start Time	1357	1402	1408	
Sample End Time	1428	1427	1439	
Canister Starting Vacuum (inHg)	30+	29.5	27.5	
Canister Ending Vacuum (inHg)	4	4.5	4.5	
Analysis	TO-15	TO-15	TO-15	
Floor Conditions (concrete, wood, carpet, other)	Grass	Grass	Grass	
Visible cracks, sumps, utility penetrations?				
VOC sources in area?	No	No	No	
Other Comments				

Vapor Intrusion Assessment Field Sampling Form			
Site Location	Legends Park, Memphis, Tennessee		
Project Name	Legends Park, Block A Resample		
Project Number	0888834477/001		
Personnel	Steffen Matthews		
Sample ID	LEGASG07R	LEGASG08R	LEGASG09R
Date	2/28/2023	2/28/2023	2/28/2023
Sub-Slab, Near-Slab, or Soil Gas?	Soil Gas	Soil Gas	Soil Gas
Sample Type (Summa, Tedlar, Syringe, etc.)	Summa	Summa	Summa
Was leak testing performed?	Yes	Yes	Yes
What type? (check dam, Helium shroud, IPA)	IPA	IPA	IPA
Were leaks indicated?			
If He, shroud/purge He concentrations (%)	N/A	N/A	N/A
Final He concentration (%)	N/A	N/A	N/A
If using IPA or He, has analysis been requested from lab?	N/A	N/A	N/A
Was shut-in test performed?	Yes	Yes	Yes
Duration of test (sec)	120	120	120
Canister Vacuum pre-test (inHg)	18	21.5	21
Canister Vacuum post-test (inHg)	18	21.5	21
Purge Method (sacrificial summa, syringe, other)	Sac. Summa	Sac. Summa	Sac. Summa
Purge Rate (mL/min)	200	200	200
Volume Purged (mL)	400	400	400
Was purge gas screening performed?	No	No	No
Canister Size	6 L	6 L	6 L
Sampling Duration (24 hr, 12 hr, 8 hr, grab)	Grab	Grab	Grab
Canister #	#007254	#012082	#022744
Flow Controller #	#023126	#011534	#011921
Sample Start Time	1314	1318	NA
Sample End Time	1341	1344	NA
Canister Starting Vacuum (inHg)	29	29.5	NA
Canister Ending Vacuum (inHg)	5	5	NA
Analysis	TO-15	TO-15	TO-15
Floor Conditions (concrete, wood, carpet, other)	Grass	Grass	Grass
Visible cracks, sumps, utility penetrations?			
VOC sources in area?	No	No	No
Other Comments			Pulled up water while purging

ENSAFE

Vapor Intrusion Assessment
Field Sampling Form

Site Location	Edgeview at Legends Park, Memphis, Tennessee			
Project Name	Legends Park, Block A Soil Gas Sampling			
Project Number/Phase	34477/001			
Sampler/Site Phone #	Chelsey Kipper/270-287-1703			
Laboratory	Pace Mt. Juliet			
Sample ID	LEGASG09R			
Location ID	SG09			
Start Date	3/7/2023			
End Date	3/7/2023			
VI Type	Soil Gas			
Sample Type	Summa			
Was leak testing performed?	Yes			
If so, what type?	IPA			
Were leaks indicated?				
If He, shroud/purge He concentrations (%)	N/A			
Final He concentration (%)	N/A			
If using IPA or He, has analysis been requested from lab?	N/A			
Was shut-in test performed?	Yes			
Duration of test (sec)	120			
Canister Vacuum pre-test (inHg)	23			
Canister Vacuum post-test (inHg)	23			
Purge Method	Syringe			
Purge Rate (mL/min)	200			
Volume Purged (mL)	400			
Was purge gas screening performed?	No			
Canister Size (Liters)	6			
Sampling Duration	Grab			
Canister #	22744			
Flow Controller #	11921			
Sample Start Time	1357			
Sample End Time	1424			
Canister Starting Vacuum (inHg)	29			
Canister Ending Vacuum (inHg)	4			
Analysis	TO-15			
Floor Conditions	Grass			
Visible cracks, sumps, utility penetrations?	No			
VOC sources in area?	Traffic			
Other Comments	No water pulled			

Attachment C
Tables

Table 1
Detected Concentrations of VOCs in Soil Gas and Vapor Intrusion Risk
February/March 2023
Block A, Legends Park Subdivision
Memphis, Tennessee

Detected Concentrations of VOCs	Res VISL	SG06	SG07R	SG08R	SG09R	SG10	SG11	SG12
Acetone	NE	72.2	35.2	79.4	111	50.1	18.5	33.3
Benzene	12	1.09	—	1.08	1.63	1.47	1.74	2.09
Carbon disulfide	2,430	0.716	1.01	1.48	—	1.88	1.03	0.993
Chloromethane	313	0.477	0.442	0.754	0.748	0.915	1.35	1.12
Cyclohexane	20,900	0.84	—	—	0.94	—	0.995	—
Dichlorodifluoromethane	348	2.07	1.88	1.91	2.11	2.12	2.14	1.89
Ethanol	NE	2.96 B	5.79	—	17.8	—	16.1	2.56 B
Ethylbenzene	37.4	—	—	—	0.867	0.876	1.21	2.38
Heptane	1,390	—	—	—	1.32	—	1.44	0.937
Hexane, n-	2,430	—	—	—	—	—	3.6	—
Hexanone, 2-	104	18.6	7.44	17.6	34.2	13.5	—	19.3
Isopropanol	695	5.58	3.59	3.12	19.8	6.02	45	9.17
Methyl Ethyl Ketone	17,400	15.9	5.87	19	27.7	14	—	10
Methyl Isobutly Ketone	10,400	6.92	5.2	7.29	12.3	5.9	—	9.25
Methylene Chloride	2,090	—	0.84	—	0.743	—	1.21	—
Propene	10,400	9.5	—	7.77	11.6	7.04	—	4.48
Tetrahydrofuran	6,950	—	0.64	0.737	—	—	—	—
Toluene	17,400	2.03	2.34	2.56	3.48	2.46	8.17	8.1
Trichlorofluoromethane	NE	1.34	—	—	1.19	1.34	1.37	1.44
Trimethylbenzene, 1,2,4-	209	1.23	2.12	1.96	2.27	—	—	8.05
Trimethylbenzene, 1,3,5-	209	—	—	—	—	—	—	1.93
Xylenes, Total	348	3.91	3.73	4.06	5.3	3.4	—	15.1
Xylene, m&p-	348	2.41	2.47	2.68	2.84	1.83	2.15	10.2
Xylene, o-	348	1.49	1.26	1.38	1.53	1.57	—	4.9
Ethyltoluene, 4-	NE	—	—	—	1.28	—	—	5.1
Cumulative Vapor Intrusion Risk		**SG06**	**SG07R**	**SG08R**	**SG09R**	**SG10**	**SG11**	**SG12**
Carcinogenic Risk		9.08E-08	2.49E-10	9.00E-08	1.59E-07	1.46E-07	1.78E-07	2.38E-07
Hazard Quotient		0.0224	0.0106	0.0216	0.0386	0.0174	0.00963	0.0323

Notes:
All results are shown in micrograms per cubic meter ($\mu g/m^3$)
VOCs = Volatile organic compounds
VISL = Vapor Intrusion Screening Level
Res VISL = Residential Target Sub-Slab and Near-source Soil Gas Concentration, TCR=1E-06, THQ=0.1 (November 2022)
TCR = Target Cancer Risk
THQ = Target Hazard Quotient
NE = Not established
— = Not detected
B = Analyte found in blank
a = Exceeds Res VISL
b = Exceeds Com VISL

Attachment D
Laboratory Data Reports

ANALYTICAL REPORT

February 22, 2023

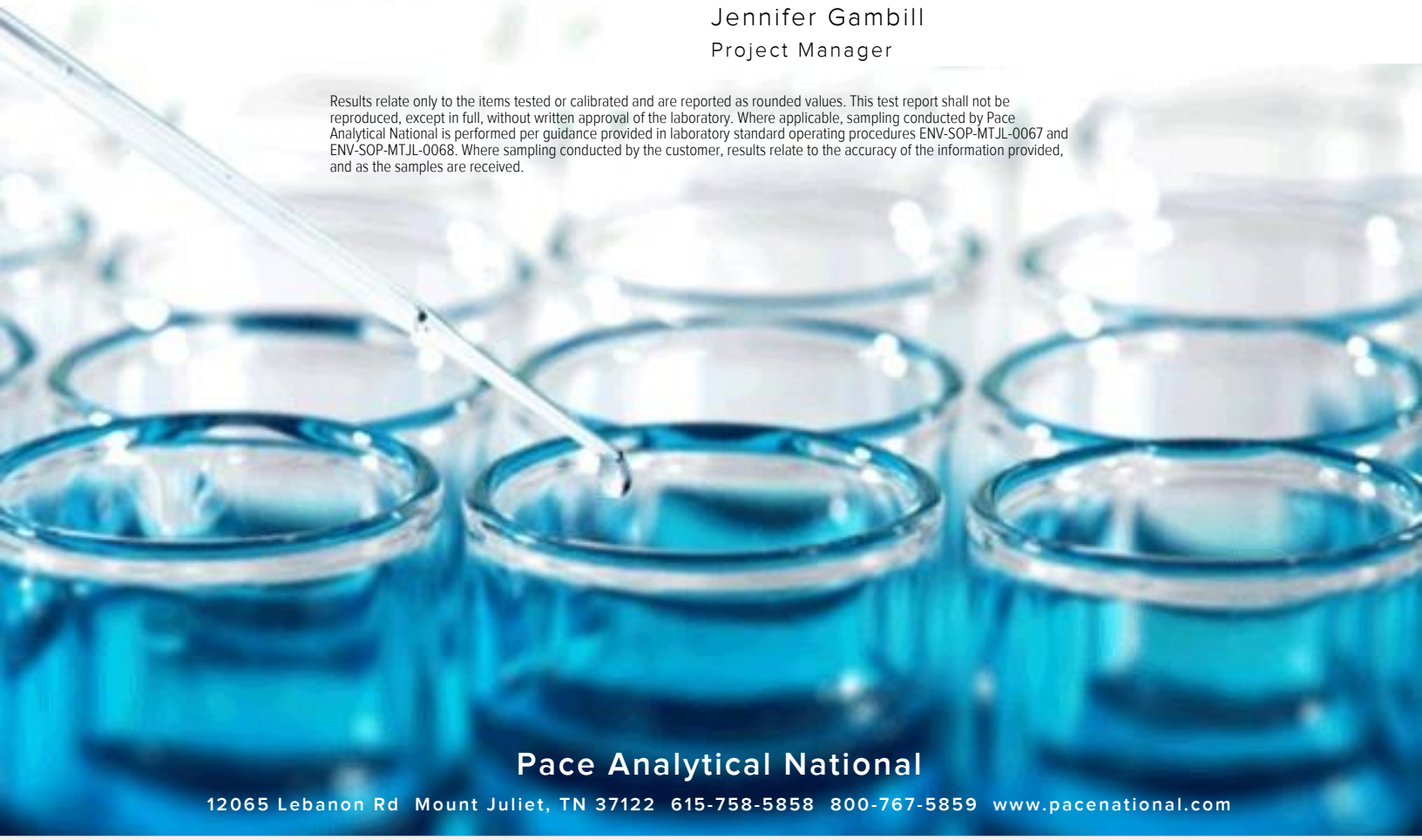
ENSAFE - Memphis

Sample Delivery Group:	L1587655
Samples Received:	02/21/2023
Project Number:	34477
Description:	Legends Park, Block A Soil Gas Sampling
Site:	EDGEVIEW AT LEGENDS PARK
Report To:	Chelsey Kipper 5724 Summer Trees Drive Memphis, TN 38134

Entire Report Reviewed By:

Jennifer Gambill
Project Manager

Results relate only to the items tested or calibrated and are reported as rounded values. This test report shall not be reproduced, except in full, without written approval of the laboratory. Where applicable, sampling conducted by Pace Analytical National is performed per guidance provided in laboratory standard operating procedures ENV-SOP-MTJL-0067 and ENV-SOP-MTJL-0068. Where sampling conducted by the customer, results relate to the accuracy of the information provided, and as the samples are received.



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SAMPLE SUMMARY

LEGASG06 L1587655-01 Air

Collected by: Griffin Heard
Collected date/time: 02/20/23 13:44
Received date/time: 02/21/23 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (MS) by Method TO-15	WG2010035	1	02/21/23 17:58	02/21/23 17:58	SDS	Mt. Juliet, TN

LEGASG10 L1587655-05 Air

Collected by: Griffin Heard
Collected date/time: 02/20/23 14:28
Received date/time: 02/21/23 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (MS) by Method TO-15	WG2010035	1	02/21/23 18:46	02/21/23 18:46	SDS	Mt. Juliet, TN

LEGASG11 L1587655-06 Air

Collected by: Griffin Heard
Collected date/time: 02/20/23 14:27
Received date/time: 02/21/23 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (MS) by Method TO-15	WG2010035	1	02/21/23 19:33	02/21/23 19:33	SDS	Mt. Juliet, TN

LEGASG12 L1587655-07 Air

Collected by: Griffin Heard
Collected date/time: 02/20/23 14:39
Received date/time: 02/21/23 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (MS) by Method TO-15	WG2010035	1	02/21/23 20:17	02/21/23 20:17	SDS	Mt. Juliet, TN

CASE NARRATIVE

All sample aliquots were received at the correct temperature, in the proper containers, with the appropriate preservatives, and within method specified holding times, unless qualified or notated within the report. Where applicable, all MDL (LOD) and RDL (LOQ) values reported for environmental samples have been corrected for the dilution factor used in the analysis. All Method and Batch Quality Control are within established criteria except where addressed in this case narrative, a non-conformance form or properly qualified within the sample results. By my digital signature below, I affirm to the best of my knowledge, all problems/anomalies observed by the laboratory as having the potential to affect the quality of the data have been identified by the laboratory, and no information or data have been knowingly withheld that would affect the quality of the data.

Jennifer Gambill
Project Manager

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
Acetone	67-64-1	58.10	1.25	2.97	30.4	72.2		1	WG2010035
Allyl chloride	107-05-1	76.53	0.200	0.626	ND	ND		1	WG2010035
Benzene	71-43-2	78.10	0.200	0.639	0.342	1.09		1	WG2010035
Benzyl Chloride	100-44-7	127	0.200	1.04	ND	ND		1	WG2010035
Bromodichloromethane	75-27-4	164	0.200	1.34	ND	ND		1	WG2010035
Bromoform	75-25-2	253	0.600	6.21	ND	ND		1	WG2010035
Bromomethane	74-83-9	94.90	0.200	0.776	ND	ND		1	WG2010035
1,3-Butadiene	106-99-0	54.10	2.00	4.43	ND	ND		1	WG2010035
Carbon disulfide	75-15-0	76.10	0.200	0.622	0.230	0.716		1	WG2010035
Carbon tetrachloride	56-23-5	154	0.200	1.26	ND	ND		1	WG2010035
Chlorobenzene	108-90-7	113	0.200	0.924	ND	ND		1	WG2010035
Chloroethane	75-00-3	64.50	0.200	0.528	ND	ND		1	WG2010035
Chloroform	67-66-3	119	0.200	0.973	ND	ND		1	WG2010035
Chloromethane	74-87-3	50.50	0.200	0.413	0.231	0.477		1	WG2010035
2-Chlorotoluene	95-49-8	126	0.200	1.03	ND	ND		1	WG2010035
Cyclohexane	110-82-7	84.20	0.200	0.689	0.244	0.840		1	WG2010035
Dibromochloromethane	124-48-1	208	0.200	1.70	ND	ND		1	WG2010035
1,2-Dibromoethane	106-93-4	188	0.200	1.54	ND	ND		1	WG2010035
1,2-Dichlorobenzene	95-50-1	147	0.200	1.20	ND	ND		1	WG2010035
1,3-Dichlorobenzene	541-73-1	147	0.200	1.20	ND	ND		1	WG2010035
1,4-Dichlorobenzene	106-46-7	147	0.200	1.20	ND	ND		1	WG2010035
1,2-Dichloroethane	107-06-2	99	0.200	0.810	ND	ND		1	WG2010035
1,1-Dichloroethane	75-34-3	98	0.200	0.802	ND	ND		1	WG2010035
1,1-Dichloroethene	75-35-4	96.90	0.200	0.793	ND	ND		1	WG2010035
cis-1,2-Dichloroethene	156-59-2	96.90	0.200	0.793	ND	ND		1	WG2010035
trans-1,2-Dichloroethene	156-60-5	96.90	0.200	0.793	ND	ND		1	WG2010035
1,2-Dichloropropane	78-87-5	113	0.200	0.924	ND	ND		1	WG2010035
cis-1,3-Dichloropropene	10061-01-5	111	0.200	0.908	ND	ND		1	WG2010035
trans-1,3-Dichloropropene	10061-02-6	111	0.200	0.908	ND	ND		1	WG2010035
1,4-Dioxane	123-91-1	88.10	0.200	0.721	ND	ND		1	WG2010035
Ethanol	64-17-5	46.10	1.25	2.36	1.57	2.96	B	1	WG2010035
Ethylbenzene	100-41-4	106	0.200	0.867	ND	ND		1	WG2010035
4-Ethyltoluene	622-96-8	120	0.200	0.982	ND	ND		1	WG2010035
Trichlorofluoromethane	75-69-4	137.40	0.200	1.12	0.239	1.34		1	WG2010035
Dichlorodifluoromethane	75-71-8	120.92	0.200	0.989	0.418	2.07		1	WG2010035
1,1,2-Trichlorotrifluoroethane	76-13-1	187.40	0.200	1.53	ND	ND		1	WG2010035
1,2-Dichlorotetrafluoroethane	76-14-2	171	0.200	1.40	ND	ND		1	WG2010035
Heptane	142-82-5	100	0.200	0.818	ND	ND		1	WG2010035
Hexachloro-1,3-butadiene	87-68-3	261	0.630	6.73	ND	ND		1	WG2010035
n-Hexane	110-54-3	86.20	0.630	2.22	ND	ND		1	WG2010035
Isopropylbenzene	98-82-8	120.20	0.200	0.983	ND	ND		1	WG2010035
Methylene Chloride	75-09-2	84.90	0.200	0.694	ND	ND		1	WG2010035
Methyl Butyl Ketone	591-78-6	100	1.25	5.11	4.54	18.6		1	WG2010035
2-Butanone (MEK)	78-93-3	72.10	1.25	3.69	5.40	15.9		1	WG2010035
4-Methyl-2-pentanone (MIBK)	108-10-1	100.10	1.25	5.12	1.69	6.92		1	WG2010035
Methyl methacrylate	80-62-6	100.12	0.200	0.819	ND	ND		1	WG2010035
MTBE	1634-04-4	88.10	0.200	0.721	ND	ND		1	WG2010035
Naphthalene	91-20-3	128	0.630	3.30	ND	ND		1	WG2010035
2-Propanol	67-63-0	60.10	1.25	3.07	2.27	5.58		1	WG2010035
Propene	115-07-1	42.10	1.25	2.15	5.52	9.50		1	WG2010035
Styrene	100-42-5	104	0.200	0.851	ND	ND		1	WG2010035
1,1,2,2-Tetrachloroethane	79-34-5	168	0.200	1.37	ND	ND		1	WG2010035
Tetrachloroethylene	127-18-4	166	0.200	1.36	ND	ND		1	WG2010035
Tetrahydrofuran	109-99-9	72.10	0.200	0.590	ND	ND		1	WG2010035
Toluene	108-88-3	92.10	0.500	1.88	0.539	2.03		1	WG2010035
1,2,4-Trichlorobenzene	120-82-1	181	0.630	4.66	ND	ND		1	WG2010035

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
1,1,1-Trichloroethane	71-55-6	133	0.200	1.09	ND	ND		1	WG2010035
1,1,2-Trichloroethane	79-00-5	133	0.200	1.09	ND	ND		1	WG2010035
Trichloroethylene	79-01-6	131	0.200	1.07	ND	ND		1	WG2010035
1,2,4-Trimethylbenzene	95-63-6	120	0.200	0.982	0.251	1.23		1	WG2010035
1,3,5-Trimethylbenzene	108-67-8	120	0.200	0.982	ND	ND		1	WG2010035
2,2,4-Trimethylpentane	540-84-1	114.22	0.200	0.934	ND	ND		1	WG2010035
Vinyl chloride	75-01-4	62.50	0.200	0.511	ND	ND		1	WG2010035
Vinyl Bromide	593-60-2	106.95	0.200	0.875	ND	ND		1	WG2010035
Vinyl acetate	108-05-4	86.10	0.200	0.704	ND	ND		1	WG2010035
Xylenes, Total	1330-20-7	106.16	0.600	2.61	0.900	3.91		1	WG2010035
m&p-Xylene	1330-20-7	106	0.400	1.73	0.556	2.41		1	WG2010035
o-Xylene	95-47-6	106	0.200	0.867	0.344	1.49		1	WG2010035
(S) 1,4-Bromofluorobenzene	*460-00-4*	*175*	*60.0-140*		*99.7*				WG2010035

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
Acetone	67-64-1	58.10	1.25	2.97	21.1	50.1		1	WG2010035
Allyl chloride	107-05-1	76.53	0.200	0.626	ND	ND		1	WG2010035
Benzene	71-43-2	78.10	0.200	0.639	0.460	1.47		1	WG2010035
Benzyl Chloride	100-44-7	127	0.200	1.04	ND	ND		1	WG2010035
Bromodichloromethane	75-27-4	164	0.200	1.34	ND	ND		1	WG2010035
Bromoform	75-25-2	253	0.600	6.21	ND	ND		1	WG2010035
Bromomethane	74-83-9	94.90	0.200	0.776	ND	ND		1	WG2010035
1,3-Butadiene	106-99-0	54.10	2.00	4.43	ND	ND		1	WG2010035
Carbon disulfide	75-15-0	76.10	0.200	0.622	0.603	1.88		1	WG2010035
Carbon tetrachloride	56-23-5	154	0.200	1.26	ND	ND		1	WG2010035
Chlorobenzene	108-90-7	113	0.200	0.924	ND	ND		1	WG2010035
Chloroethane	75-00-3	64.50	0.200	0.528	ND	ND		1	WG2010035
Chloroform	67-66-3	119	0.200	0.973	ND	ND		1	WG2010035
Chloromethane	74-87-3	50.50	0.200	0.413	0.443	0.915		1	WG2010035
2-Chlorotoluene	95-49-8	126	0.200	1.03	ND	ND		1	WG2010035
Cyclohexane	110-82-7	84.20	0.200	0.689	ND	ND		1	WG2010035
Dibromochloromethane	124-48-1	208	0.200	1.70	ND	ND		1	WG2010035
1,2-Dibromoethane	106-93-4	188	0.200	1.54	ND	ND		1	WG2010035
1,2-Dichlorobenzene	95-50-1	147	0.200	1.20	ND	ND		1	WG2010035
1,3-Dichlorobenzene	541-73-1	147	0.200	1.20	ND	ND		1	WG2010035
1,4-Dichlorobenzene	106-46-7	147	0.200	1.20	ND	ND		1	WG2010035
1,2-Dichloroethane	107-06-2	99	0.200	0.810	ND	ND		1	WG2010035
1,1-Dichloroethane	75-34-3	98	0.200	0.802	ND	ND		1	WG2010035
1,1-Dichloroethene	75-35-4	96.90	0.200	0.793	ND	ND		1	WG2010035
cis-1,2-Dichloroethene	156-59-2	96.90	0.200	0.793	ND	ND		1	WG2010035
trans-1,2-Dichloroethene	156-60-5	96.90	0.200	0.793	ND	ND		1	WG2010035
1,2-Dichloropropane	78-87-5	113	0.200	0.924	ND	ND		1	WG2010035
cis-1,3-Dichloropropene	10061-01-5	111	0.200	0.908	ND	ND		1	WG2010035
trans-1,3-Dichloropropene	10061-02-6	111	0.200	0.908	ND	ND		1	WG2010035
1,4-Dioxane	123-91-1	88.10	0.200	0.721	ND	ND		1	WG2010035
Ethanol	64-17-5	46.10	1.25	2.36	ND	ND		1	WG2010035
Ethylbenzene	100-41-4	106	0.200	0.867	0.202	0.876		1	WG2010035
4-Ethyltoluene	622-96-8	120	0.200	0.982	ND	ND		1	WG2010035
Trichlorofluoromethane	75-69-4	137.40	0.200	1.12	0.238	1.34		1	WG2010035
Dichlorodifluoromethane	75-71-8	120.92	0.200	0.989	0.429	2.12		1	WG2010035
1,1,2-Trichlorotrifluoroethane	76-13-1	187.40	0.200	1.53	ND	ND		1	WG2010035
1,2-Dichlorotetrafluoroethane	76-14-2	171	0.200	1.40	ND	ND		1	WG2010035
Heptane	142-82-5	100	0.200	0.818	ND	ND		1	WG2010035
Hexachloro-1,3-butadiene	87-68-3	261	0.630	6.73	ND	ND		1	WG2010035
n-Hexane	110-54-3	86.20	0.630	2.22	ND	ND		1	WG2010035
Isopropylbenzene	98-82-8	120.20	0.200	0.983	ND	ND		1	WG2010035
Methylene Chloride	75-09-2	84.90	0.200	0.694	ND	ND		1	WG2010035
Methyl Butyl Ketone	591-78-6	100	1.25	5.11	3.31	13.5		1	WG2010035
2-Butanone (MEK)	78-93-3	72.10	1.25	3.69	4.76	14.0		1	WG2010035
4-Methyl-2-pentanone (MIBK)	108-10-1	100.10	1.25	5.12	1.44	5.90		1	WG2010035
Methyl methacrylate	80-62-6	100.12	0.200	0.819	ND	ND		1	WG2010035
MTBE	1634-04-4	88.10	0.200	0.721	ND	ND		1	WG2010035
Naphthalene	91-20-3	128	0.630	3.30	ND	ND		1	WG2010035
2-Propanol	67-63-0	60.10	1.25	3.07	2.45	6.02		1	WG2010035
Propene	115-07-1	42.10	1.25	2.15	4.09	7.04		1	WG2010035
Styrene	100-42-5	104	0.200	0.851	ND	ND		1	WG2010035
1,1,2,2-Tetrachloroethane	79-34-5	168	0.200	1.37	ND	ND		1	WG2010035
Tetrachloroethylene	127-18-4	166	0.200	1.36	ND	ND		1	WG2010035
Tetrahydrofuran	109-99-9	72.10	0.200	0.590	ND	ND		1	WG2010035
Toluene	108-88-3	92.10	0.500	1.88	0.653	2.46		1	WG2010035
1,2,4-Trichlorobenzene	120-82-1	181	0.630	4.66	ND	ND		1	WG2010035

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
1,1,1-Trichloroethane	71-55-6	133	0.200	1.09	ND	ND		1	WG2010035
1,1,2-Trichloroethane	79-00-5	133	0.200	1.09	ND	ND		1	WG2010035
Trichloroethylene	79-01-6	131	0.200	1.07	ND	ND		1	WG2010035
1,2,4-Trimethylbenzene	95-63-6	120	0.200	0.982	ND	ND		1	WG2010035
1,3,5-Trimethylbenzene	108-67-8	120	0.200	0.982	ND	ND		1	WG2010035
2,2,4-Trimethylpentane	540-84-1	114.22	0.200	0.934	ND	ND		1	WG2010035
Vinyl chloride	75-01-4	62.50	0.200	0.511	ND	ND		1	WG2010035
Vinyl Bromide	593-60-2	106.95	0.200	0.875	ND	ND		1	WG2010035
Vinyl acetate	108-05-4	86.10	0.200	0.704	ND	ND		1	WG2010035
Xylenes, Total	1330-20-7	106.16	0.600	2.61	0.784	3.40		1	WG2010035
m&p-Xylene	1330-20-7	106	0.400	1.73	0.422	1.83		1	WG2010035
o-Xylene	95-47-6	106	0.200	0.867	0.362	1.57		1	WG2010035
(S) 1,4-Bromofluorobenzene	*460-00-4*	*175*	*60.0-140*		*99.1*				WG2010035

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
Acetone	67-64-1	58.10	1.25	2.97	7.80	18.5		1	WG2010035
Allyl chloride	107-05-1	76.53	0.200	0.626	ND	ND		1	WG2010035
Benzene	71-43-2	78.10	0.200	0.639	0.544	1.74		1	WG2010035
Benzyl Chloride	100-44-7	127	0.200	1.04	ND	ND		1	WG2010035
Bromodichloromethane	75-27-4	164	0.200	1.34	ND	ND		1	WG2010035
Bromoform	75-25-2	253	0.600	6.21	ND	ND		1	WG2010035
Bromomethane	74-83-9	94.90	0.200	0.776	ND	ND		1	WG2010035
1,3-Butadiene	106-99-0	54.10	2.00	4.43	ND	ND		1	WG2010035
Carbon disulfide	75-15-0	76.10	0.200	0.622	0.331	1.03		1	WG2010035
Carbon tetrachloride	56-23-5	154	0.200	1.26	ND	ND		1	WG2010035
Chlorobenzene	108-90-7	113	0.200	0.924	ND	ND		1	WG2010035
Chloroethane	75-00-3	64.50	0.200	0.528	ND	ND		1	WG2010035
Chloroform	67-66-3	119	0.200	0.973	ND	ND		1	WG2010035
Chloromethane	74-87-3	50.50	0.200	0.413	0.656	1.35		1	WG2010035
2-Chlorotoluene	95-49-8	126	0.200	1.03	ND	ND		1	WG2010035
Cyclohexane	110-82-7	84.20	0.200	0.689	0.289	0.995		1	WG2010035
Dibromochloromethane	124-48-1	208	0.200	1.70	ND	ND		1	WG2010035
1,2-Dibromoethane	106-93-4	188	0.200	1.54	ND	ND		1	WG2010035
1,2-Dichlorobenzene	95-50-1	147	0.200	1.20	ND	ND		1	WG2010035
1,3-Dichlorobenzene	541-73-1	147	0.200	1.20	ND	ND		1	WG2010035
1,4-Dichlorobenzene	106-46-7	147	0.200	1.20	ND	ND		1	WG2010035
1,2-Dichloroethane	107-06-2	99	0.200	0.810	ND	ND		1	WG2010035
1,1-Dichloroethane	75-34-3	98	0.200	0.802	ND	ND		1	WG2010035
1,1-Dichloroethene	75-35-4	96.90	0.200	0.793	ND	ND		1	WG2010035
cis-1,2-Dichloroethene	156-59-2	96.90	0.200	0.793	ND	ND		1	WG2010035
trans-1,2-Dichloroethene	156-60-5	96.90	0.200	0.793	ND	ND		1	WG2010035
1,2-Dichloropropane	78-87-5	113	0.200	0.924	ND	ND		1	WG2010035
cis-1,3-Dichloropropene	10061-01-5	111	0.200	0.908	ND	ND		1	WG2010035
trans-1,3-Dichloropropene	10061-02-6	111	0.200	0.908	ND	ND		1	WG2010035
1,4-Dioxane	123-91-1	88.10	0.200	0.721	ND	ND		1	WG2010035
Ethanol	64-17-5	46.10	1.25	2.36	8.53	16.1		1	WG2010035
Ethylbenzene	100-41-4	106	0.200	0.867	0.278	1.21		1	WG2010035
4-Ethyltoluene	622-96-8	120	0.200	0.982	ND	ND		1	WG2010035
Trichlorofluoromethane	75-69-4	137.40	0.200	1.12	0.243	1.37		1	WG2010035
Dichlorodifluoromethane	75-71-8	120.92	0.200	0.989	0.433	2.14		1	WG2010035
1,1,2-Trichlorotrifluoroethane	76-13-1	187.40	0.200	1.53	ND	ND		1	WG2010035
1,2-Dichlorotetrafluoroethane	76-14-2	171	0.200	1.40	ND	ND		1	WG2010035
Heptane	142-82-5	100	0.200	0.818	0.352	1.44		1	WG2010035
Hexachloro-1,3-butadiene	87-68-3	261	0.630	6.73	ND	ND		1	WG2010035
n-Hexane	110-54-3	86.20	0.630	2.22	1.02	3.60		1	WG2010035
Isopropylbenzene	98-82-8	120.20	0.200	0.983	ND	ND		1	WG2010035
Methylene Chloride	75-09-2	84.90	0.200	0.694	0.349	1.21		1	WG2010035
Methyl Butyl Ketone	591-78-6	100	1.25	5.11	ND	ND		1	WG2010035
2-Butanone (MEK)	78-93-3	72.10	1.25	3.69	ND	ND		1	WG2010035
4-Methyl-2-pentanone (MIBK)	108-10-1	100.10	1.25	5.12	ND	ND		1	WG2010035
Methyl methacrylate	80-62-6	100.12	0.200	0.819	ND	ND		1	WG2010035
MTBE	1634-04-4	88.10	0.200	0.721	ND	ND		1	WG2010035
Naphthalene	91-20-3	128	0.630	3.30	ND	ND		1	WG2010035
2-Propanol	67-63-0	60.10	1.25	3.07	18.3	45.0		1	WG2010035
Propene	115-07-1	42.10	1.25	2.15	ND	ND		1	WG2010035
Styrene	100-42-5	104	0.200	0.851	0.200	0.851		1	WG2010035
1,1,2,2-Tetrachloroethane	79-34-5	168	0.200	1.37	ND	ND		1	WG2010035
Tetrachloroethylene	127-18-4	166	0.200	1.36	ND	ND		1	WG2010035
Tetrahydrofuran	109-99-9	72.10	0.200	0.590	ND	ND		1	WG2010035
Toluene	108-88-3	92.10	0.500	1.88	2.17	8.17		1	WG2010035
1,2,4-Trichlorobenzene	120-82-1	181	0.630	4.66	ND	ND		1	WG2010035

1 Cp
2 Tc
3 Ss
4 Cn
5 Sr
6 Qc
7 Gl
8 Al
9 Sc

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
1,1,1-Trichloroethane	71-55-6	133	0.200	1.09	ND	ND		1	WG2010035
1,1,2-Trichloroethane	79-00-5	133	0.200	1.09	ND	ND		1	WG2010035
Trichloroethylene	79-01-6	131	0.200	1.07	ND	ND		1	WG2010035
1,2,4-Trimethylbenzene	95-63-6	120	0.200	0.982	ND	ND		1	WG2010035
1,3,5-Trimethylbenzene	108-67-8	120	0.200	0.982	ND	ND		1	WG2010035
2,2,4-Trimethylpentane	540-84-1	114.22	0.200	0.934	ND	ND		1	WG2010035
Vinyl chloride	75-01-4	62.50	0.200	0.511	ND	ND		1	WG2010035
Vinyl Bromide	593-60-2	106.95	0.200	0.875	ND	ND		1	WG2010035
Vinyl acetate	108-05-4	86.10	0.200	0.704	ND	ND		1	WG2010035
Xylenes, Total	1330-20-7	106.16	0.600	2.61	ND	ND		1	WG2010035
m&p-Xylene	1330-20-7	106	0.400	1.73	0.497	2.15		1	WG2010035
o-Xylene	95-47-6	106	0.200	0.867	ND	ND		1	WG2010035
(S) 1,4-Bromofluorobenzene	*460-00-4*	*175*	*60.0-140*		*98.6*				WG2010035

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
Acetone	67-64-1	58.10	1.25	2.97	14.0	33.3		1	WG2010035
Allyl chloride	107-05-1	76.53	0.200	0.626	ND	ND		1	WG2010035
Benzene	71-43-2	78.10	0.200	0.639	0.654	2.09		1	WG2010035
Benzyl Chloride	100-44-7	127	0.200	1.04	ND	ND		1	WG2010035
Bromodichloromethane	75-27-4	164	0.200	1.34	ND	ND		1	WG2010035
Bromoform	75-25-2	253	0.600	6.21	ND	ND		1	WG2010035
Bromomethane	74-83-9	94.90	0.200	0.776	ND	ND		1	WG2010035
1,3-Butadiene	106-99-0	54.10	2.00	4.43	ND	ND		1	WG2010035
Carbon disulfide	75-15-0	76.10	0.200	0.622	0.319	0.993		1	WG2010035
Carbon tetrachloride	56-23-5	154	0.200	1.26	ND	ND		1	WG2010035
Chlorobenzene	108-90-7	113	0.200	0.924	ND	ND		1	WG2010035
Chloroethane	75-00-3	64.50	0.200	0.528	ND	ND		1	WG2010035
Chloroform	67-66-3	119	0.200	0.973	ND	ND		1	WG2010035
Chloromethane	74-87-3	50.50	0.200	0.413	0.541	1.12		1	WG2010035
2-Chlorotoluene	95-49-8	126	0.200	1.03	ND	ND		1	WG2010035
Cyclohexane	110-82-7	84.20	0.200	0.689	ND	ND		1	WG2010035
Dibromochloromethane	124-48-1	208	0.200	1.70	ND	ND		1	WG2010035
1,2-Dibromoethane	106-93-4	188	0.200	1.54	ND	ND		1	WG2010035
1,2-Dichlorobenzene	95-50-1	147	0.200	1.20	ND	ND		1	WG2010035
1,3-Dichlorobenzene	541-73-1	147	0.200	1.20	ND	ND		1	WG2010035
1,4-Dichlorobenzene	106-46-7	147	0.200	1.20	ND	ND		1	WG2010035
1,2-Dichloroethane	107-06-2	99	0.200	0.810	ND	ND		1	WG2010035
1,1-Dichloroethane	75-34-3	98	0.200	0.802	ND	ND		1	WG2010035
1,1-Dichloroethene	75-35-4	96.90	0.200	0.793	ND	ND		1	WG2010035
cis-1,2-Dichloroethene	156-59-2	96.90	0.200	0.793	ND	ND		1	WG2010035
trans-1,2-Dichloroethene	156-60-5	96.90	0.200	0.793	ND	ND		1	WG2010035
1,2-Dichloropropane	78-87-5	113	0.200	0.924	ND	ND		1	WG2010035
cis-1,3-Dichloropropene	10061-01-5	111	0.200	0.908	ND	ND		1	WG2010035
trans-1,3-Dichloropropene	10061-02-6	111	0.200	0.908	ND	ND		1	WG2010035
1,4-Dioxane	123-91-1	88.10	0.200	0.721	ND	ND		1	WG2010035
Ethanol	64-17-5	46.10	1.25	2.36	1.36	2.56	B	1	WG2010035
Ethylbenzene	100-41-4	106	0.200	0.867	0.550	2.38		1	WG2010035
4-Ethyltoluene	622-96-8	120	0.200	0.982	1.04	5.10		1	WG2010035
Trichlorofluoromethane	75-69-4	137.40	0.200	1.12	0.257	1.44		1	WG2010035
Dichlorodifluoromethane	75-71-8	120.92	0.200	0.989	0.383	1.89		1	WG2010035
1,1,2-Trichlorotrifluoroethane	76-13-1	187.40	0.200	1.53	ND	ND		1	WG2010035
1,2-Dichlorotetrafluoroethane	76-14-2	171	0.200	1.40	ND	ND		1	WG2010035
Heptane	142-82-5	100	0.200	0.818	0.229	0.937		1	WG2010035
Hexachloro-1,3-butadiene	87-68-3	261	0.630	6.73	ND	ND		1	WG2010035
n-Hexane	110-54-3	86.20	0.630	2.22	ND	ND		1	WG2010035
Isopropylbenzene	98-82-8	120.20	0.200	0.983	ND	ND		1	WG2010035
Methylene Chloride	75-09-2	84.90	0.200	0.694	ND	ND		1	WG2010035
Methyl Butyl Ketone	591-78-6	100	1.25	5.11	4.71	19.3		1	WG2010035
2-Butanone (MEK)	78-93-3	72.10	1.25	3.69	3.40	10.0		1	WG2010035
4-Methyl-2-pentanone (MIBK)	108-10-1	100.10	1.25	5.12	2.26	9.25		1	WG2010035
Methyl methacrylate	80-62-6	100.12	0.200	0.819	ND	ND		1	WG2010035
MTBE	1634-04-4	88.10	0.200	0.721	ND	ND		1	WG2010035
Naphthalene	91-20-3	128	0.630	3.30	ND	ND		1	WG2010035
2-Propanol	67-63-0	60.10	1.25	3.07	3.73	9.17		1	WG2010035
Propene	115-07-1	42.10	1.25	2.15	2.60	4.48		1	WG2010035
Styrene	100-42-5	104	0.200	0.851	ND	ND		1	WG2010035
1,1,2,2-Tetrachloroethane	79-34-5	168	0.200	1.37	ND	ND		1	WG2010035
Tetrachloroethylene	127-18-4	166	0.200	1.36	ND	ND		1	WG2010035
Tetrahydrofuran	109-99-9	72.10	0.200	0.590	ND	ND		1	WG2010035
Toluene	108-88-3	92.10	0.500	1.88	2.15	8.10		1	WG2010035
1,2,4-Trichlorobenzene	120-82-1	181	0.630	4.66	ND	ND		1	WG2010035

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
1,1,1-Trichloroethane	71-55-6	133	0.200	1.09	ND	ND		1	WG2010035
1,1,2-Trichloroethane	79-00-5	133	0.200	1.09	ND	ND		1	WG2010035
Trichloroethylene	79-01-6	131	0.200	1.07	ND	ND		1	WG2010035
1,2,4-Trimethylbenzene	95-63-6	120	0.200	0.982	1.64	8.05		1	WG2010035
1,3,5-Trimethylbenzene	108-67-8	120	0.200	0.982	0.394	1.93		1	WG2010035
2,2,4-Trimethylpentane	540-84-1	114.22	0.200	0.934	ND	ND		1	WG2010035
Vinyl chloride	75-01-4	62.50	0.200	0.511	ND	ND		1	WG2010035
Vinyl Bromide	593-60-2	106.95	0.200	0.875	ND	ND		1	WG2010035
Vinyl acetate	108-05-4	86.10	0.200	0.704	ND	ND		1	WG2010035
Xylenes, Total	1330-20-7	106.16	0.600	2.61	3.48	15.1		1	WG2010035
m&p-Xylene	1330-20-7	106	0.400	1.73	2.35	10.2		1	WG2010035
o-Xylene	95-47-6	106	0.200	0.867	1.13	4.90		1	WG2010035
(S) 1,4-Bromofluorobenzene	*460-00-4*	*175*	*60.0-140*		*103*				WG2010035

Method Blank (MB)

(MB) R3893148-3 02/21/23 10:43

Analyte	MB Result ppbv	MB Qualifier	MB MDL ppbv	MB RDL ppbv
Acetone	U		0.584	1.25
Allyl Chloride	U		0.114	0.200
Benzene	U		0.0715	0.200
Benzyl Chloride	U		0.0598	0.200
Bromodichloromethane	U		0.0702	0.200
Bromoform	U		0.0732	0.600
Bromomethane	U		0.0982	0.200
1,3-Butadiene	U		0.104	2.00
Carbon disulfide	U		0.102	0.200
Carbon tetrachloride	U		0.0732	0.200
Chlorobenzene	U		0.0832	0.200
Chloroethane	U		0.0996	0.200
Chloroform	U		0.0717	0.200
Chloromethane	U		0.103	0.200
2-Chlorotoluene	U		0.0828	0.200
Cyclohexane	U		0.0753	0.200
Dibromochloromethane	U		0.0727	0.200
1,2-Dibromoethane	U		0.0721	0.200
1,2-Dichlorobenzene	U		0.128	0.200
1,3-Dichlorobenzene	U		0.182	0.200
1,4-Dichlorobenzene	U		0.0557	0.200
1,2-Dichloroethane	U		0.0700	0.200
1,1-Dichloroethane	U		0.0723	0.200
1,1-Dichloroethene	U		0.0762	0.200
cis-1,2-Dichloroethene	U		0.0784	0.200
trans-1,2-Dichloroethene	U		0.0673	0.200
1,2-Dichloropropane	U		0.0760	0.200
cis-1,3-Dichloropropene	U		0.0689	0.200
trans-1,3-Dichloropropene	U		0.0728	0.200
1,4-Dioxane	U		0.0833	0.200
Ethanol	0.299	J	0.265	1.25
Ethylbenzene	U		0.0835	0.200
4-Ethyltoluene	U		0.0783	0.200
Trichlorofluoromethane	U		0.0819	0.200
Dichlorodifluoromethane	U		0.137	0.200
1,1,2-Trichlorotrifluoroethane	U		0.0793	0.200
1,2-Dichlorotetrafluoroethane	U		0.0890	0.200
Heptane	U		0.104	0.200
Hexachloro-1,3-butadiene	U		0.105	0.630
n-Hexane	U		0.206	0.630

Method Blank (MB)

(MB) R3893148-3 02/21/23 10:43

Analyte	MB Result ppbv	MB Qualifier	MB MDL ppbv	MB RDL ppbv
Isopropylbenzene	U		0.0777	0.200
Methylene Chloride	U		0.0979	0.200
Methyl Butyl Ketone	U		0.133	1.25
2-Butanone (MEK)	U		0.0814	1.25
4-Methyl-2-pentanone (MIBK)	U		0.0765	1.25
Methyl Methacrylate	U		0.0876	0.200
MTBE	U		0.0647	0.200
Naphthalene	U		0.350	0.630
2-Propanol	U		0.264	1.25
Propene	U		0.0932	1.25
Styrene	U		0.0788	0.200
1,1,2,2-Tetrachloroethane	U		0.0743	0.200
Tetrachloroethylene	U		0.0814	0.200
Tetrahydrofuran	U		0.0734	0.200
Toluene	U		0.0870	0.500
1,2,4-Trichlorobenzene	U		0.148	0.630
1,1,1-Trichloroethane	U		0.0736	0.200
1,1,2-Trichloroethane	U		0.0775	0.200
Trichloroethylene	U		0.0680	0.200
1,2,4-Trimethylbenzene	U		0.0764	0.200
1,3,5-Trimethylbenzene	U		0.0779	0.200
2,2,4-Trimethylpentane	U		0.133	0.200
Vinyl chloride	U		0.0949	0.200
Vinyl Bromide	U		0.0852	0.200
Vinyl acetate	U		0.116	0.200
Xylenes, Total	U		0.135	0.600
m&p-Xylene	U		0.135	0.400
o-Xylene	U		0.0828	0.200
(S) 1,4-Bromofluorobenzene	*91.7*			*60.0-140*

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R3893148-1 02/21/23 09:06 • (LCSD) R3893148-2 02/21/23 09:55

Analyte	Spike Amount ppbv	LCS Result ppbv	LCSD Result ppbv	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Acetone	3.75	4.41	4.46	118	119	70.0-130			1.13	25
Allyl Chloride	3.75	3.59	3.85	95.7	103	70.0-130			6.99	25
Benzene	3.75	3.89	3.94	104	105	70.0-130			1.28	25
Benzyl Chloride	3.75	3.99	4.00	106	107	70.0-152			0.250	25

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R3893148-1 02/21/23 09:06 • (LCSD) R3893148-2 02/21/23 09:55

Analyte	Spike Amount ppbv	LCS Result ppbv	LCSD Result ppbv	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Bromodichloromethane	3.75	4.00	3.92	107	105	70.0-130			2.02	25
Bromoform	3.75	3.93	4.03	105	107	70.0-130			2.51	25
Bromomethane	3.75	4.07	4.07	109	109	70.0-130			0.000	25
1,3-Butadiene	3.75	4.13	4.10	110	109	70.0-130			0.729	25
Carbon disulfide	3.75	4.08	4.11	109	110	70.0-130			0.733	25
Carbon tetrachloride	3.75	4.10	4.11	109	110	70.0-130			0.244	25
Chlorobenzene	3.75	3.99	3.97	106	106	70.0-130			0.503	25
Chloroethane	3.75	4.05	3.96	108	106	70.0-130			2.25	25
Chloroform	3.75	3.98	4.05	106	108	70.0-130			1.74	25
Chloromethane	3.75	4.18	4.04	111	108	70.0-130			3.41	25
2-Chlorotoluene	3.75	3.87	3.97	103	106	70.0-130			2.55	25
Cyclohexane	3.75	3.95	4.09	105	109	70.0-130			3.48	25
Dibromochloromethane	3.75	4.01	4.01	107	107	70.0-130			0.000	25
1,2-Dibromoethane	3.75	4.04	3.99	108	106	70.0-130			1.25	25
1,2-Dichlorobenzene	3.75	3.96	3.93	106	105	70.0-130			0.760	25
1,3-Dichlorobenzene	3.75	3.92	3.89	105	104	70.0-130			0.768	25
1,4-Dichlorobenzene	3.75	3.79	3.79	101	101	70.0-130			0.000	25
1,2-Dichloroethane	3.75	4.04	4.01	108	107	70.0-130			0.745	25
1,1-Dichloroethane	3.75	4.12	4.18	110	111	70.0-130			1.45	25
1,1-Dichloroethene	3.75	4.09	4.13	109	110	70.0-130			0.973	25
cis-1,2-Dichloroethene	3.75	4.07	4.15	109	111	70.0-130			1.95	25
trans-1,2-Dichloroethene	3.75	4.11	4.06	110	108	70.0-130			1.22	25
1,2-Dichloropropane	3.75	3.95	3.97	105	106	70.0-130			0.505	25
cis-1,3-Dichloropropene	3.75	4.02	4.01	107	107	70.0-130			0.249	25
trans-1,3-Dichloropropene	3.75	4.09	3.98	109	106	70.0-130			2.73	25
1,4-Dioxane	3.75	3.93	3.84	105	102	70.0-140			2.32	25
Ethanol	3.75	4.11	4.06	110	108	55.0-148			1.22	25
Ethylbenzene	3.75	3.96	4.02	106	107	70.0-130			1.50	25
4-Ethyltoluene	3.75	4.05	4.09	108	109	70.0-130			0.983	25
Trichlorofluoromethane	3.75	4.09	4.14	109	110	70.0-130			1.22	25
Dichlorodifluoromethane	3.75	3.84	3.83	102	102	64.0-139			0.261	25
1,1,2-Trichlorotrifluoroethane	3.75	4.05	4.06	108	108	70.0-130			0.247	25
1,2-Dichlorotetrafluoroethane	3.75	4.23	4.24	113	113	70.0-130			0.236	25
Heptane	3.75	3.66	3.60	97.6	96.0	70.0-130			1.65	25
Hexachloro-1,3-butadiene	3.75	3.88	3.88	103	103	70.0-151			0.000	25
n-Hexane	3.75	4.00	4.11	107	110	70.0-130			2.71	25
Isopropylbenzene	3.75	3.91	3.99	104	106	70.0-130			2.03	25
Methylene Chloride	3.75	4.08	4.11	109	110	70.0-130			0.733	25
Methyl Butyl Ketone	3.75	3.77	3.74	101	99.7	70.0-149			0.799	25
Methyl Ethyl Ketone	3.75	4.15	4.11	111	110	70.0-130			0.969	25

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R3893148-1 02/21/23 09:06 • (LCSD) R3893148-2 02/21/23 09:55

Analyte	Spike Amount ppbv	LCS Result ppbv	LCSD Result ppbv	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
4-Methyl-2-pentanone (MIBK)	3.75	4.05	4.02	108	107	70.0-139			0.743	25
Methyl Methacrylate	3.75	4.06	3.93	108	105	70.0-130			3.25	25
MTBE	3.75	3.99	3.93	106	105	70.0-130			1.52	25
Naphthalene	3.75	3.44	3.45	91.7	92.0	70.0-159			0.290	25
2-Propanol	3.75	4.12	4.18	110	111	70.0-139			1.45	25
Propene	3.75	4.01	3.97	107	106	64.0-144			1.00	25
Styrene	3.75	4.01	3.93	107	105	70.0-130			2.02	25
1,1,2,2-Tetrachloroethane	3.75	4.11	4.02	110	107	70.0-130			2.21	25
Tetrachloroethylene	3.75	3.94	3.91	105	104	70.0-130			0.764	25
Tetrahydrofuran	3.75	4.13	4.11	110	110	70.0-137			0.485	25
Toluene	3.75	3.93	3.97	105	106	70.0-130			1.01	25
1,2,4-Trichlorobenzene	3.75	3.68	3.58	98.1	95.5	70.0-160			2.75	25
1,1,1-Trichloroethane	3.75	4.02	4.05	107	108	70.0-130			0.743	25
1,1,2-Trichloroethane	3.75	3.98	4.05	106	108	70.0-130			1.74	25
Trichloroethylene	3.75	4.00	3.98	107	106	70.0-130			0.501	25
1,2,4-Trimethylbenzene	3.75	4.04	4.09	108	109	70.0-130			1.23	25
1,3,5-Trimethylbenzene	3.75	4.03	4.10	107	109	70.0-130			1.72	25
2,2,4-Trimethylpentane	3.75	4.08	4.13	109	110	70.0-130			1.22	25
Vinyl chloride	3.75	4.18	4.10	111	109	70.0-130			1.93	25
Vinyl Bromide	3.75	4.09	4.07	109	109	70.0-130			0.490	25
Vinyl acetate	3.75	3.92	4.09	105	109	70.0-130			4.24	25
Xylenes, Total	11.3	11.9	12.0	105	106	70.0-130			0.837	25
m&p-Xylene	7.50	7.95	8.04	106	107	70.0-130			1.13	25
o-Xylene	3.75	3.90	4.00	104	107	70.0-130			2.53	25
(S) 1,4-Bromofluorobenzene				*96.9*	*97.8*	*60.0-140*				

GLOSSARY OF TERMS

Guide to Reading and Understanding Your Laboratory Report

The information below is designed to better explain the various terms used in your report of analytical results from the Laboratory. This is not intended as a comprehensive explanation, and if you have additional questions please contact your project representative.

Results Disclaimer - Information that may be provided by the customer, and contained within this report, include Permit Limits, Project Name, Sample ID, Sample Matrix, Sample Preservation, Field Blanks, Field Spikes, Field Duplicates, On-Site Data, Sampling Collection Dates/Times, and Sampling Location. Results relate to the accuracy of this information provided, and as the samples are received.

Abbreviations and Definitions

MDL	Method Detection Limit.
ND	Not detected at the Reporting Limit (or MDL where applicable).
RDL	Reported Detection Limit.
Rec.	Recovery.
RPD	Relative Percent Difference.
SDG	Sample Delivery Group.
(S)	Surrogate (Surrogate Standard) - Analytes added to every blank, sample, Laboratory Control Sample/Duplicate and Matrix Spike/Duplicate; used to evaluate analytical efficiency by measuring recovery. Surrogates are not expected to be detected in all environmental media.
U	Not detected at the Reporting Limit (or MDL where applicable).
Analyte	The name of the particular compound or analysis performed. Some Analyses and Methods will have multiple analytes reported.
Dilution	If the sample matrix contains an interfering material, the sample preparation volume or weight values differ from the standard, or if concentrations of analytes in the sample are higher than the highest limit of concentration that the laboratory can accurately report, the sample may be diluted for analysis. If a value different than 1 is used in this field, the result reported has already been corrected for this factor.
Limits	These are the target % recovery ranges or % difference value that the laboratory has historically determined as normal for the method and analyte being reported. Successful QC Sample analysis will target all analytes recovered or duplicated within these ranges.
Qualifier	This column provides a letter and/or number designation that corresponds to additional information concerning the result reported. If a Qualifier is present, a definition per Qualifier is provided within the Glossary and Definitions page and potentially a discussion of possible implications of the Qualifier in the Case Narrative if applicable.
Result	The actual analytical final result (corrected for any sample specific characteristics) reported for your sample. If there was no measurable result returned for a specific analyte, the result in this column may state “ND” (Not Detected) or “BDL” (Below Detectable Levels). The information in the results column should always be accompanied by either an MDL (Method Detection Limit) or RDL (Reporting Detection Limit) that defines the lowest value that the laboratory could detect or report for this analyte.
Uncertainty (Radiochemistry)	Confidence level of 2 sigma.
Case Narrative (Cn)	A brief discussion about the included sample results, including a discussion of any non-conformances to protocol observed either at sample receipt by the laboratory from the field or during the analytical process. If present, there will be a section in the Case Narrative to discuss the meaning of any data qualifiers used in the report.
Quality Control Summary (Qc)	This section of the report includes the results of the laboratory quality control analyses required by procedure or analytical methods to assist in evaluating the validity of the results reported for your samples. These analyses are not being performed on your samples typically, but on laboratory generated material.
Sample Chain of Custody (Sc)	This is the document created in the field when your samples were initially collected. This is used to verify the time and date of collection, the person collecting the samples, and the analyses that the laboratory is requested to perform. This chain of custody also documents all persons (excluding commercial shippers) that have had control or possession of the samples from the time of collection until delivery to the laboratory for analysis.
Sample Results (Sr)	This section of your report will provide the results of all testing performed on your samples. These results are provided by sample ID and are separated by the analyses performed on each sample. The header line of each analysis section for each sample will provide the name and method number for the analysis reported.
Sample Summary (Ss)	This section of the Analytical Report defines the specific analyses performed for each sample ID, including the dates and times of preparation and/or analysis.

Qualifier	Description
B	The same analyte is found in the associated blank.
J	The identification of the analyte is acceptable; the reported value is an estimate.

ACCREDITATIONS & LOCATIONS

Pace Analytical National 12065 Lebanon Rd Mount Juliet, TN 37122

Alabama	40660	Nebraska	NE-OS-15-05
Alaska	17-026	Nevada	TN000032021-1
Arizona	AZ0612	New Hampshire	2975
Arkansas	88-0469	New Jersey–NELAP	TN002
California	2932	New Mexico [1]	TN00003
Colorado	TN00003	New York	11742
Connecticut	PH-0197	North Carolina	Env375
Florida	E87487	North Carolina [1]	DW21704
Georgia	NELAP	North Carolina [3]	41
Georgia [1]	923	North Dakota	R-140
Idaho	TN00003	Ohio–VAP	CL0069
Illinois	200008	Oklahoma	9915
Indiana	C-TN-01	Oregon	TN200002
Iowa	364	Pennsylvania	68-02979
Kansas	E-10277	Rhode Island	LAO000356
Kentucky [1 6]	KY90010	South Carolina	84004002
Kentucky [2]	16	South Dakota	n/a
Louisiana	AI30792	Tennessee [1 4]	2006
Louisiana	LA018	Texas	T104704245-20-18
Maine	TN00003	Texas [5]	LAB0152
Maryland	324	Utah	TN000032021-11
Massachusetts	M-TN003	Vermont	VT2006
Michigan	9958	Virginia	110033
Minnesota	047-999-395	Washington	C847
Mississippi	TN00003	West Virginia	233
Missouri	340	Wisconsin	998093910
Montana	CERT0086	Wyoming	A2LA
A2LA – ISO 17025	1461.01	AIHA-LAP,LLC EMLAP	100789
A2LA – ISO 17025 [5]	1461.02	DOD	1461.01
Canada	1461.01	USDA	P330-15-00234
EPA–Crypto	TN00003		

[1] Drinking Water [2] Underground Storage Tanks [3] Aquatic Toxicity [4] Chemical/Microbiological [5] Mold [6] Wastewater n/a Accreditation not applicable

* Not all certifications held by the laboratory are applicable to the results reported in the attached report.

* Accreditation is only applicable to the test methods specified on each scope of accreditation held by Pace Analytical.

L 1567654

ENSAFE

EnSafe Inc.
800-588-7962

SUMMA CANISTER CHAIN OF CUSTODY AND ANALYTICAL REQUEST RECORD

COC No.

Page 1 of 1

Project Name: **Legends Park, Block A Soil Gas Sampling**

PO No. **34557**

Project No. **34477** Phase **001**

Site Location: **Edgeview at Legends Park, Memphis, Tennessee**

Send Results To: **ckipper@ensafe.com; aharris@ensafe.com; ensafelabdata@ensafe.com**

Sampler/Site Phone# **Griffin Heard/901-372-7962**

Lab Name: **ESC Lab Sciences dba Pace National - Mt. Juliet** Turnaround Time (specify): **Standard**

Lab ID	Sample ID (sys_sample_code)	Location ID (sys_loc_code)	Matrix Code (1)	Canister Number	Flow Controller Number	Start Date (mm/dd/yy)	Start Time (hhmm)	End Date (mm/dd/yy)	End Time (hhmm)	Canister Size (Liters)	Field Initial Pressure (in Hg)	Field Final Pressure (in Hg)	Analysis Requested: TO-15	Analysis Requested: IPA		
	LEGASG06	SG06	GSG	12070	20971	02/20/23	1332	02/20/23	1344	6	26.5	4	X	X		-01
	LEGASG07	SG07	GSG	6305	7026	02/20/23	1337	02/20/23	1337	6	19.5	0	X	X		-02
	LEGASG08	SG08	GSG	11963	21701	02/20/23	1426	02/20/23	1428	6	25	5	X	X		-03
	LEGASG09	SG09	GSG	-	-	02/20/23	-	02/20/23	-	6	-	-	-	-		-04
	LEGASG10	SG10	GSG	9654	12580	02/20/23	1357	02/20/23	1428	6	30	4	X	X		-05
	LEGASG11	SG11	GSG	8811	12569	02/20/23	1402	02/20/23	1427	6	29.5	4.5	X	X		-06
	LEGASG12	SG12	GSG	12019	7841	02/20/23	1408	02/20/23	1439	6	27.5	4.5	X	X		-07

Sample Receipt Checklist

COC Seal Present/Intact:	Y N	If Applicable	
COC Signed/Accurate:	Y N	VOA Zero Headspace:	Y N
Bottles arrive intact:	Y N	Pres.Correct/Check:	Y N
Correct bottles used:	Y N		
Sufficient volume sent:	Y N		
RAD Screen <0.5 mR/hr:	Y N		

Field Comments: **Suspected flow controller failures for 7026 and 21701 (no issues with shut in tests); no sample collected at LEGASG09**

Unless otherwise specified, all results must be reported in µg/m3

***Lab* Comments:** E064

Sample Shipment Details

Relinquished by (signature)	Date	Time	Received by (signature)	Date	Time
1			1	2/21/23	0845
2			2		
3			3		

Number of packages: **2**

Method of Shipment: **FedEx**

Date Shipped: **2/20/2023**

(1) Matrix Code: **AA**=Ambient Air, **AC**=Air Composite, **ACS**=Air-Crawlspace, **AE**=Air-Vapor Extraction Well Effluent, **AI**=Air-Indoor, **AO**=Air-Outdoor, **AQ**=Air QC Matrix, **ASG**=Air-Soil Gas (outside building footprint), GS=**Soil Gas,** GSS=**Gas-sub-slab**

Rev. 11/19

ANALYTICAL REPORT

March 03, 2023

ENSAFE - Memphis

Sample Delivery Group:	L1590899
Samples Received:	03/02/2023
Project Number:	34477
Description:	Legends Park Block A Soil Gas Sampling

Report To: Chelsey Kipper
5724 Summer Trees Drive
Memphis, TN 38134

Entire Report Reviewed By:

Jennifer Gambill
Project Manager

Results relate only to the items tested or calibrated and are reported as rounded values. This test report shall not be reproduced, except in full, without written approval of the laboratory. Where applicable, sampling conducted by Pace Analytical National is performed per guidance provided in laboratory standard operating procedures ENV-SOP-MTJL-0067 and ENV-SOP-MTJL-0068. Where sampling conducted by the customer, results relate to the accuracy of the information provided, and as the samples are received.

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SAMPLE SUMMARY

LEGASG07R L1590899-01 Air

Collected by: Steffen Matthews
Collected date/time: 02/28/23 13:14
Received date/time: 03/02/23 09:15

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (MS) by Method TO-15	WG2016008	1	03/02/23 22:06	03/02/23 22:06	SDS	Mt. Juliet, TN

LEGASG08R L1590899-02 Air

Collected by: Steffen Matthews
Collected date/time: 02/28/23 13:18
Received date/time: 03/02/23 09:15

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (MS) by Method TO-15	WG2016008	1	03/02/23 22:45	03/02/23 22:45	SDS	Mt. Juliet, TN

CASE NARRATIVE

All sample aliquots were received at the correct temperature, in the proper containers, with the appropriate preservatives, and within method specified holding times, unless qualified or notated within the report. Where applicable, all MDL (LOD) and RDL (LOQ) values reported for environmental samples have been corrected for the dilution factor used in the analysis. All Method and Batch Quality Control are within established criteria except where addressed in this case narrative, a non-conformance form or properly qualified within the sample results. By my digital signature below, I affirm to the best of my knowledge, all problems/anomalies observed by the laboratory as having the potential to affect the quality of the data have been identified by the laboratory, and no information or data have been knowingly withheld that would affect the quality of the data.

Jennifer Gambill
Project Manager

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
Acetone	67-64-1	58.10	1.25	2.97	14.8	35.2		1	WG2016008
Allyl chloride	107-05-1	76.53	0.200	0.626	ND	ND		1	WG2016008
Benzene	71-43-2	78.10	0.200	0.639	ND	ND		1	WG2016008
Benzyl Chloride	100-44-7	127	0.200	1.04	ND	ND		1	WG2016008
Bromodichloromethane	75-27-4	164	0.200	1.34	ND	ND		1	WG2016008
Bromoform	75-25-2	253	0.600	6.21	ND	ND		1	WG2016008
Bromomethane	74-83-9	94.90	0.200	0.776	ND	ND		1	WG2016008
1,3-Butadiene	106-99-0	54.10	2.00	4.43	ND	ND		1	WG2016008
Carbon disulfide	75-15-0	76.10	0.200	0.622	0.324	1.01		1	WG2016008
Carbon tetrachloride	56-23-5	154	0.200	1.26	ND	ND		1	WG2016008
Chlorobenzene	108-90-7	113	0.200	0.924	ND	ND		1	WG2016008
Chloroethane	75-00-3	64.50	0.200	0.528	ND	ND		1	WG2016008
Chloroform	67-66-3	119	0.200	0.973	ND	ND		1	WG2016008
Chloromethane	74-87-3	50.50	0.200	0.413	0.214	0.442		1	WG2016008
2-Chlorotoluene	95-49-8	126	0.200	1.03	ND	ND		1	WG2016008
Cyclohexane	110-82-7	84.20	0.200	0.689	ND	ND		1	WG2016008
Dibromochloromethane	124-48-1	208	0.200	1.70	ND	ND		1	WG2016008
1,2-Dibromoethane	106-93-4	188	0.200	1.54	ND	ND		1	WG2016008
1,2-Dichlorobenzene	95-50-1	147	0.200	1.20	ND	ND		1	WG2016008
1,3-Dichlorobenzene	541-73-1	147	0.200	1.20	ND	ND		1	WG2016008
1,4-Dichlorobenzene	106-46-7	147	0.200	1.20	ND	ND		1	WG2016008
1,2-Dichloroethane	107-06-2	99	0.200	0.810	ND	ND		1	WG2016008
1,1-Dichloroethane	75-34-3	98	0.200	0.802	ND	ND		1	WG2016008
1,1-Dichloroethene	75-35-4	96.90	0.200	0.793	ND	ND		1	WG2016008
cis-1,2-Dichloroethene	156-59-2	96.90	0.200	0.793	ND	ND		1	WG2016008
trans-1,2-Dichloroethene	156-60-5	96.90	0.200	0.793	ND	ND		1	WG2016008
1,2-Dichloropropane	78-87-5	113	0.200	0.924	ND	ND		1	WG2016008
cis-1,3-Dichloropropene	10061-01-5	111	0.200	0.908	ND	ND		1	WG2016008
trans-1,3-Dichloropropene	10061-02-6	111	0.200	0.908	ND	ND		1	WG2016008
1,4-Dioxane	123-91-1	88.10	0.200	0.721	ND	ND		1	WG2016008
Ethanol	64-17-5	46.10	1.25	2.36	3.07	5.79		1	WG2016008
Ethylbenzene	100-41-4	106	0.200	0.867	ND	ND		1	WG2016008
4-Ethyltoluene	622-96-8	120	0.200	0.982	ND	ND		1	WG2016008
Trichlorofluoromethane	75-69-4	137.40	0.200	1.12	ND	ND		1	WG2016008
Dichlorodifluoromethane	75-71-8	120.92	0.200	0.989	0.381	1.88		1	WG2016008
1,1,2-Trichlorotrifluoroethane	76-13-1	187.40	0.200	1.53	ND	ND		1	WG2016008
1,2-Dichlorotetrafluoroethane	76-14-2	171	0.200	1.40	ND	ND		1	WG2016008
Heptane	142-82-5	100	0.200	0.818	ND	ND		1	WG2016008
Hexachloro-1,3-butadiene	87-68-3	261	0.630	6.73	ND	ND		1	WG2016008
n-Hexane	110-54-3	86.20	0.630	2.22	ND	ND		1	WG2016008
Isopropylbenzene	98-82-8	120.20	0.200	0.983	ND	ND		1	WG2016008
Methylene Chloride	75-09-2	84.90	0.200	0.694	0.242	0.840		1	WG2016008
Methyl Butyl Ketone	591-78-6	100	1.25	5.11	1.82	7.44		1	WG2016008
2-Butanone (MEK)	78-93-3	72.10	1.25	3.69	1.99	5.87		1	WG2016008
4-Methyl-2-pentanone (MIBK)	108-10-1	100.10	1.25	5.12	1.27	5.20		1	WG2016008
Methyl methacrylate	80-62-6	100.12	0.200	0.819	ND	ND		1	WG2016008
MTBE	1634-04-4	88.10	0.200	0.721	ND	ND		1	WG2016008
Naphthalene	91-20-3	128	0.630	3.30	ND	ND		1	WG2016008
2-Propanol	67-63-0	60.10	1.25	3.07	1.46	3.59		1	WG2016008
Propene	115-07-1	42.10	1.25	2.15	ND	ND		1	WG2016008
Styrene	100-42-5	104	0.200	0.851	ND	ND		1	WG2016008
1,1,2,2-Tetrachloroethane	79-34-5	168	0.200	1.37	ND	ND		1	WG2016008
Tetrachloroethylene	127-18-4	166	0.200	1.36	ND	ND		1	WG2016008
Tetrahydrofuran	109-99-9	72.10	0.200	0.590	0.217	0.640		1	WG2016008
Toluene	108-88-3	92.10	0.500	1.88	0.622	2.34		1	WG2016008
1,2,4-Trichlorobenzene	120-82-1	181	0.630	4.66	ND	ND		1	WG2016008

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
1,1,1-Trichloroethane	71-55-6	133	0.200	1.09	ND	ND		1	WG2016008
1,1,2-Trichloroethane	79-00-5	133	0.200	1.09	ND	ND		1	WG2016008
Trichloroethylene	79-01-6	131	0.200	1.07	ND	ND		1	WG2016008
1,2,4-Trimethylbenzene	95-63-6	120	0.200	0.982	0.432	2.12		1	WG2016008
1,3,5-Trimethylbenzene	108-67-8	120	0.200	0.982	ND	ND		1	WG2016008
2,2,4-Trimethylpentane	540-84-1	114.22	0.200	0.934	ND	ND		1	WG2016008
Vinyl chloride	75-01-4	62.50	0.200	0.511	ND	ND		1	WG2016008
Vinyl Bromide	593-60-2	106.95	0.200	0.875	ND	ND		1	WG2016008
Vinyl acetate	108-05-4	86.10	0.200	0.704	ND	ND		1	WG2016008
Xylenes, Total	1330-20-7	106.16	0.600	2.61	0.859	3.73		1	WG2016008
m&p-Xylene	1330-20-7	106	0.400	1.73	0.569	2.47		1	WG2016008
o-Xylene	95-47-6	106	0.200	0.867	0.290	1.26		1	WG2016008
(S) 1,4-Bromofluorobenzene	*460-00-4*	*175*	*60.0-140*		*99.8*				WG2016008

1 Cp
2 Tc
3 Ss
4 Cn
5 Sr
6 Qc
7 Gl
8 Al
9 Sc

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
Acetone	67-64-1	58.10	1.25	2.97	33.4	79.4		1	WG2016008
Allyl chloride	107-05-1	76.53	0.200	0.626	ND	ND		1	WG2016008
Benzene	71-43-2	78.10	0.200	0.639	0.337	1.08		1	WG2016008
Benzyl Chloride	100-44-7	127	0.200	1.04	ND	ND		1	WG2016008
Bromodichloromethane	75-27-4	164	0.200	1.34	ND	ND		1	WG2016008
Bromoform	75-25-2	253	0.600	6.21	ND	ND		1	WG2016008
Bromomethane	74-83-9	94.90	0.200	0.776	ND	ND		1	WG2016008
1,3-Butadiene	106-99-0	54.10	2.00	4.43	ND	ND		1	WG2016008
Carbon disulfide	75-15-0	76.10	0.200	0.622	0.477	1.48		1	WG2016008
Carbon tetrachloride	56-23-5	154	0.200	1.26	ND	ND		1	WG2016008
Chlorobenzene	108-90-7	113	0.200	0.924	ND	ND		1	WG2016008
Chloroethane	75-00-3	64.50	0.200	0.528	ND	ND		1	WG2016008
Chloroform	67-66-3	119	0.200	0.973	ND	ND		1	WG2016008
Chloromethane	74-87-3	50.50	0.200	0.413	0.365	0.754		1	WG2016008
2-Chlorotoluene	95-49-8	126	0.200	1.03	ND	ND		1	WG2016008
Cyclohexane	110-82-7	84.20	0.200	0.689	ND	ND		1	WG2016008
Dibromochloromethane	124-48-1	208	0.200	1.70	ND	ND		1	WG2016008
1,2-Dibromoethane	106-93-4	188	0.200	1.54	ND	ND		1	WG2016008
1,2-Dichlorobenzene	95-50-1	147	0.200	1.20	ND	ND		1	WG2016008
1,3-Dichlorobenzene	541-73-1	147	0.200	1.20	ND	ND		1	WG2016008
1,4-Dichlorobenzene	106-46-7	147	0.200	1.20	ND	ND		1	WG2016008
1,2-Dichloroethane	107-06-2	99	0.200	0.810	ND	ND		1	WG2016008
1,1-Dichloroethane	75-34-3	98	0.200	0.802	ND	ND		1	WG2016008
1,1-Dichloroethene	75-35-4	96.90	0.200	0.793	ND	ND		1	WG2016008
cis-1,2-Dichloroethene	156-59-2	96.90	0.200	0.793	ND	ND		1	WG2016008
trans-1,2-Dichloroethene	156-60-5	96.90	0.200	0.793	ND	ND		1	WG2016008
1,2-Dichloropropane	78-87-5	113	0.200	0.924	ND	ND		1	WG2016008
cis-1,3-Dichloropropene	10061-01-5	111	0.200	0.908	ND	ND		1	WG2016008
trans-1,3-Dichloropropene	10061-02-6	111	0.200	0.908	ND	ND		1	WG2016008
1,4-Dioxane	123-91-1	88.10	0.200	0.721	ND	ND		1	WG2016008
Ethanol	64-17-5	46.10	1.25	2.36	ND	ND		1	WG2016008
Ethylbenzene	100-41-4	106	0.200	0.867	ND	ND		1	WG2016008
4-Ethyltoluene	622-96-8	120	0.200	0.982	ND	ND		1	WG2016008
Trichlorofluoromethane	75-69-4	137.40	0.200	1.12	ND	ND		1	WG2016008
Dichlorodifluoromethane	75-71-8	120.92	0.200	0.989	0.386	1.91		1	WG2016008
1,1,2-Trichlorotrifluoroethane	76-13-1	187.40	0.200	1.53	ND	ND		1	WG2016008
1,2-Dichlorotetrafluoroethane	76-14-2	171	0.200	1.40	ND	ND		1	WG2016008
Heptane	142-82-5	100	0.200	0.818	ND	ND		1	WG2016008
Hexachloro-1,3-butadiene	87-68-3	261	0.630	6.73	ND	ND		1	WG2016008
n-Hexane	110-54-3	86.20	0.630	2.22	ND	ND		1	WG2016008
Isopropylbenzene	98-82-8	120.20	0.200	0.983	ND	ND		1	WG2016008
Methylene Chloride	75-09-2	84.90	0.200	0.694	ND	ND		1	WG2016008
Methyl Butyl Ketone	591-78-6	100	1.25	5.11	4.30	17.6		1	WG2016008
2-Butanone (MEK)	78-93-3	72.10	1.25	3.69	6.44	19.0		1	WG2016008
4-Methyl-2-pentanone (MIBK)	108-10-1	100.10	1.25	5.12	1.78	7.29		1	WG2016008
Methyl methacrylate	80-62-6	100.12	0.200	0.819	ND	ND		1	WG2016008
MTBE	1634-04-4	88.10	0.200	0.721	ND	ND		1	WG2016008
Naphthalene	91-20-3	128	0.630	3.30	ND	ND		1	WG2016008
2-Propanol	67-63-0	60.10	1.25	3.07	1.27	3.12		1	WG2016008
Propene	115-07-1	42.10	1.25	2.15	4.51	7.77		1	WG2016008
Styrene	100-42-5	104	0.200	0.851	ND	ND		1	WG2016008
1,1,2,2-Tetrachloroethane	79-34-5	168	0.200	1.37	ND	ND		1	WG2016008
Tetrachloroethylene	127-18-4	166	0.200	1.36	ND	ND		1	WG2016008
Tetrahydrofuran	109-99-9	72.10	0.200	0.590	0.250	0.737		1	WG2016008
Toluene	108-88-3	92.10	0.500	1.88	0.679	2.56		1	WG2016008
1,2,4-Trichlorobenzene	120-82-1	181	0.630	4.66	ND	ND		1	WG2016008

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
1,1,1-Trichloroethane	71-55-6	133	0.200	1.09	ND	ND		1	WG2016008
1,1,2-Trichloroethane	79-00-5	133	0.200	1.09	ND	ND		1	WG2016008
Trichloroethylene	79-01-6	131	0.200	1.07	ND	ND		1	WG2016008
1,2,4-Trimethylbenzene	95-63-6	120	0.200	0.982	0.400	1.96		1	WG2016008
1,3,5-Trimethylbenzene	108-67-8	120	0.200	0.982	ND	ND		1	WG2016008
2,2,4-Trimethylpentane	540-84-1	114.22	0.200	0.934	ND	ND		1	WG2016008
Vinyl chloride	75-01-4	62.50	0.200	0.511	ND	ND		1	WG2016008
Vinyl Bromide	593-60-2	106.95	0.200	0.875	ND	ND		1	WG2016008
Vinyl acetate	108-05-4	86.10	0.200	0.704	ND	ND		1	WG2016008
Xylenes, Total	1330-20-7	106.16	0.600	2.61	0.936	4.06		1	WG2016008
m&p-Xylene	1330-20-7	106	0.400	1.73	0.618	2.68		1	WG2016008
o-Xylene	95-47-6	106	0.200	0.867	0.318	1.38		1	WG2016008
(S) 1,4-Bromofluorobenzene	*460-00-4*	*175*	*60.0-140*		*99.6*				WG2016008

Method Blank (MB)

(MB) R3896923-3 03/02/23 13:40

Analyte	MB Result ppbv	MB Qualifier	MB MDL ppbv	MB RDL ppbv
Acetone	U		0.584	1.25
Allyl Chloride	U		0.114	0.200
Benzene	U		0.0715	0.200
Benzyl Chloride	U		0.0598	0.200
Bromodichloromethane	U		0.0702	0.200
Bromoform	U		0.0732	0.600
Bromomethane	U		0.0982	0.200
1,3-Butadiene	U		0.104	2.00
Carbon disulfide	U		0.102	0.200
Carbon tetrachloride	U		0.0732	0.200
Chlorobenzene	U		0.0832	0.200
Chloroethane	U		0.0996	0.200
Chloroform	U		0.0717	0.200
Chloromethane	U		0.103	0.200
2-Chlorotoluene	U		0.0828	0.200
Cyclohexane	U		0.0753	0.200
Dibromochloromethane	U		0.0727	0.200
1,2-Dibromoethane	U		0.0721	0.200
1,2-Dichlorobenzene	U		0.128	0.200
1,3-Dichlorobenzene	U		0.182	0.200
1,4-Dichlorobenzene	U		0.0557	0.200
1,2-Dichloroethane	U		0.0700	0.200
1,1-Dichloroethane	U		0.0723	0.200
1,1-Dichloroethene	U		0.0762	0.200
cis-1,2-Dichloroethene	U		0.0784	0.200
trans-1,2-Dichloroethene	U		0.0673	0.200
1,2-Dichloropropane	U		0.0760	0.200
cis-1,3-Dichloropropene	U		0.0689	0.200
trans-1,3-Dichloropropene	U		0.0728	0.200
1,4-Dioxane	U		0.0833	0.200
Ethanol	U		0.265	1.25
Ethylbenzene	U		0.0835	0.200
4-Ethyltoluene	U		0.0783	0.200
Trichlorofluoromethane	U		0.0819	0.200
Dichlorodifluoromethane	U		0.137	0.200
1,1,2-Trichlorotrifluoroethane	U		0.0793	0.200
1,2-Dichlorotetrafluoroethane	U		0.0890	0.200
Heptane	U		0.104	0.200
Hexachloro-1,3-butadiene	U		0.105	0.630
n-Hexane	U		0.206	0.630

Method Blank (MB)

(MB) R3896923-3 03/02/23 13:40

Analyte	MB Result ppbv	MB Qualifier	MB MDL ppbv	MB RDL ppbv
Isopropylbenzene	U		0.0777	0.200
Methylene Chloride	U		0.0979	0.200
Methyl Butyl Ketone	U		0.133	1.25
2-Butanone (MEK)	U		0.0814	1.25
4-Methyl-2-pentanone (MIBK)	U		0.0765	1.25
Methyl Methacrylate	U		0.0876	0.200
MTBE	U		0.0647	0.200
Naphthalene	U		0.350	0.630
2-Propanol	U		0.264	1.25
Propene	U		0.0932	1.25
Styrene	U		0.0788	0.200
1,1,2,2-Tetrachloroethane	U		0.0743	0.200
Tetrachloroethylene	U		0.0814	0.200
Tetrahydrofuran	U		0.0734	0.200
Toluene	U		0.0870	0.500
1,2,4-Trichlorobenzene	U		0.148	0.630
1,1,1-Trichloroethane	U		0.0736	0.200
1,1,2-Trichloroethane	U		0.0775	0.200
Trichloroethylene	U		0.0680	0.200
1,2,4-Trimethylbenzene	U		0.0764	0.200
1,3,5-Trimethylbenzene	U		0.0779	0.200
2,2,4-Trimethylpentane	U		0.133	0.200
Vinyl chloride	U		0.0949	0.200
Vinyl Bromide	U		0.0852	0.200
Vinyl acetate	U		0.116	0.200
Xylenes, Total	U		0.135	0.600
m&p-Xylene	U		0.135	0.400
o-Xylene	U		0.0828	0.200
(S) 1,4-Bromofluorobenzene	*96.6*			*60.0-140*

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R3896923-1 03/02/23 12:20 • (LCSD) R3896923-2 03/02/23 13:01

Analyte	Spike Amount ppbv	LCS Result ppbv	LCSD Result ppbv	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Acetone	3.75	3.17	3.18	84.5	84.8	70.0-130			0.315	25
Allyl Chloride	3.75	3.11	3.03	82.9	80.8	70.0-130			2.61	25
Benzene	3.75	2.94	2.88	78.4	76.8	70.0-130			2.06	25
Benzyl Chloride	3.75	3.07	3.03	81.9	80.8	70.0-152			1.31	25

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R3896923-1 03/02/23 12:20 • (LCSD) R3896923-2 03/02/23 13:01

Analyte	Spike Amount ppbv	LCS Result ppbv	LCSD Result ppbv	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Bromodichloromethane	3.75	2.97	2.90	79.2	77.3	70.0-130			2.39	25
Bromoform	3.75	3.31	3.27	88.3	87.2	70.0-130			1.22	25
Bromomethane	3.75	3.16	3.07	84.3	81.9	70.0-130			2.89	25
1,3-Butadiene	3.75	3.23	3.19	86.1	85.1	70.0-130			1.25	25
Carbon disulfide	3.75	2.99	3.01	79.7	80.3	70.0-130			0.667	25
Carbon tetrachloride	3.75	3.13	3.06	83.5	81.6	70.0-130			2.26	25
Chlorobenzene	3.75	2.99	3.07	79.7	81.9	70.0-130			2.64	25
Chloroethane	3.75	2.95	2.83	78.7	75.5	70.0-130			4.15	25
Chloroform	3.75	2.95	2.92	78.7	77.9	70.0-130			1.02	25
Chloromethane	3.75	3.09	3.05	82.4	81.3	70.0-130			1.30	25
2-Chlorotoluene	3.75	3.09	3.07	82.4	81.9	70.0-130			0.649	25
Cyclohexane	3.75	2.85	2.73	76.0	72.8	70.0-130			4.30	25
Dibromochloromethane	3.75	3.12	3.12	83.2	83.2	70.0-130			0.000	25
1,2-Dibromoethane	3.75	2.92	2.95	77.9	78.7	70.0-130			1.02	25
1,2-Dichlorobenzene	3.75	3.24	3.13	86.4	83.5	70.0-130			3.45	25
1,3-Dichlorobenzene	3.75	3.26	3.17	86.9	84.5	70.0-130			2.80	25
1,4-Dichlorobenzene	3.75	3.22	3.19	85.9	85.1	70.0-130			0.936	25
1,2-Dichloroethane	3.75	2.95	2.88	78.7	76.8	70.0-130			2.40	25
1,1-Dichloroethane	3.75	3.03	2.94	80.8	78.4	70.0-130			3.02	25
1,1-Dichloroethene	3.75	3.00	2.98	80.0	79.5	70.0-130			0.669	25
cis-1,2-Dichloroethene	3.75	3.14	3.09	83.7	82.4	70.0-130			1.61	25
trans-1,2-Dichloroethene	3.75	2.98	2.91	79.5	77.6	70.0-130			2.38	25
1,2-Dichloropropane	3.75	2.90	2.85	77.3	76.0	70.0-130			1.74	25
cis-1,3-Dichloropropene	3.75	2.92	2.89	77.9	77.1	70.0-130			1.03	25
trans-1,3-Dichloropropene	3.75	2.91	2.86	77.6	76.3	70.0-130			1.73	25
1,4-Dioxane	3.75	2.77	2.75	73.9	73.3	70.0-140			0.725	25
Ethanol	3.75	3.04	3.09	81.1	82.4	55.0-148			1.63	25
Ethylbenzene	3.75	2.98	3.01	79.5	80.3	70.0-130			1.00	25
4-Ethyltoluene	3.75	3.18	3.19	84.8	85.1	70.0-130			0.314	25
Trichlorofluoromethane	3.75	2.95	3.02	78.7	80.5	70.0-130			2.35	25
Dichlorodifluoromethane	3.75	3.06	3.06	81.6	81.6	64.0-139			0.000	25
1,1,2-Trichlorotrifluoroethane	3.75	2.98	2.95	79.5	78.7	70.0-130			1.01	25
1,2-Dichlorotetrafluoroethane	3.75	3.06	3.07	81.6	81.9	70.0-130			0.326	25
Heptane	3.75	3.26	3.23	86.9	86.1	70.0-130			0.924	25
Hexachloro-1,3-butadiene	3.75	3.17	3.06	84.5	81.6	70.0-151			3.53	25
n-Hexane	3.75	2.98	2.96	79.5	78.9	70.0-130			0.673	25
Isopropylbenzene	3.75	3.05	3.07	81.3	81.9	70.0-130			0.654	25
Methylene Chloride	3.75	2.98	3.00	79.5	80.0	70.0-130			0.669	25
Methyl Butyl Ketone	3.75	2.99	2.99	79.7	79.7	70.0-149			0.000	25
Methyl Ethyl Ketone	3.75	2.90	2.77	77.3	73.9	70.0-130			4.59	25

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R3896923-1 03/02/23 12:20 • (LCSD) R3896923-2 03/02/23 13:01

Analyte	Spike Amount ppbv	LCS Result ppbv	LCSD Result ppbv	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
4-Methyl-2-pentanone (MIBK)	3.75	3.00	2.92	80.0	77.9	70.0-139			2.70	25
Methyl Methacrylate	3.75	3.02	2.88	80.5	76.8	70.0-130			4.75	25
MTBE	3.75	2.91	2.92	77.6	77.9	70.0-130			0.343	25
Naphthalene	3.75	3.32	3.25	88.5	86.7	70.0-159			2.13	25
2-Propanol	3.75	3.23	3.24	86.1	86.4	70.0-139			0.309	25
Propene	3.75	3.19	3.27	85.1	87.2	64.0-144			2.48	25
Styrene	3.75	3.01	3.05	80.3	81.3	70.0-130			1.32	25
1,1,2,2-Tetrachloroethane	3.75	3.02	2.96	80.5	78.9	70.0-130			2.01	25
Tetrachloroethylene	3.75	2.87	2.92	76.5	77.9	70.0-130			1.73	25
Tetrahydrofuran	3.75	2.97	2.92	79.2	77.9	70.0-137			1.70	25
Toluene	3.75	2.94	2.94	78.4	78.4	70.0-130			0.000	25
1,2,4-Trichlorobenzene	3.75	3.27	3.15	87.2	84.0	70.0-160			3.74	25
1,1,1-Trichloroethane	3.75	2.96	2.94	78.9	78.4	70.0-130			0.678	25
1,1,2-Trichloroethane	3.75	2.91	2.88	77.6	76.8	70.0-130			1.04	25
Trichloroethylene	3.75	2.91	2.85	77.6	76.0	70.0-130			2.08	25
1,2,4-Trimethylbenzene	3.75	3.20	3.14	85.3	83.7	70.0-130			1.89	25
1,3,5-Trimethylbenzene	3.75	3.68	3.69	98.1	98.4	70.0-130			0.271	25
2,2,4-Trimethylpentane	3.75	3.00	3.02	80.0	80.5	70.0-130			0.664	25
Vinyl chloride	3.75	2.94	2.89	78.4	77.1	70.0-130			1.72	25
Vinyl Bromide	3.75	2.92	2.98	77.9	79.5	70.0-130			2.03	25
Vinyl acetate	3.75	3.11	3.04	82.9	81.1	70.0-130			2.28	25
Xylenes, Total	11.3	9.10	9.07	80.5	80.3	70.0-130			0.330	25
m&p-Xylene	7.50	6.19	6.16	82.5	82.1	70.0-130			0.486	25
o-Xylene	3.75	2.91	2.91	77.6	77.6	70.0-130			0.000	25
(S) 1,4-Bromofluorobenzene				*95.0*	*96.0*	*60.0-140*				

GLOSSARY OF TERMS

Guide to Reading and Understanding Your Laboratory Report

The information below is designed to better explain the various terms used in your report of analytical results from the Laboratory. This is not intended as a comprehensive explanation, and if you have additional questions please contact your project representative.

Results Disclaimer - Information that may be provided by the customer, and contained within this report, include Permit Limits, Project Name, Sample ID, Sample Matrix, Sample Preservation, Field Blanks, Field Spikes, Field Duplicates, On-Site Data, Sampling Collection Dates/Times, and Sampling Location. Results relate to the accuracy of this information provided, and as the samples are received.

Abbreviations and Definitions

MDL	Method Detection Limit.
ND	Not detected at the Reporting Limit (or MDL where applicable).
RDL	Reported Detection Limit.
Rec.	Recovery.
RPD	Relative Percent Difference.
SDG	Sample Delivery Group.
(S)	Surrogate (Surrogate Standard) - Analytes added to every blank, sample, Laboratory Control Sample/Duplicate and Matrix Spike/Duplicate; used to evaluate analytical efficiency by measuring recovery. Surrogates are not expected to be detected in all environmental media.
U	Not detected at the Reporting Limit (or MDL where applicable).
Analyte	The name of the particular compound or analysis performed. Some Analyses and Methods will have multiple analytes reported.
Dilution	If the sample matrix contains an interfering material, the sample preparation volume or weight values differ from the standard, or if concentrations of analytes in the sample are higher than the highest limit of concentration that the laboratory can accurately report, the sample may be diluted for analysis. If a value different than 1 is used in this field, the result reported has already been corrected for this factor.
Limits	These are the target % recovery ranges or % difference value that the laboratory has historically determined as normal for the method and analyte being reported. Successful QC Sample analysis will target all analytes recovered or duplicated within these ranges.
Qualifier	This column provides a letter and/or number designation that corresponds to additional information concerning the result reported. If a Qualifier is present, a definition per Qualifier is provided within the Glossary and Definitions page and potentially a discussion of possible implications of the Qualifier in the Case Narrative if applicable.
Result	The actual analytical final result (corrected for any sample specific characteristics) reported for your sample. If there was no measurable result returned for a specific analyte, the result in this column may state “ND” (Not Detected) or “BDL” (Below Detectable Levels). The information in the results column should always be accompanied by either an MDL (Method Detection Limit) or RDL (Reporting Detection Limit) that defines the lowest value that the laboratory could detect or report for this analyte.
Uncertainty (Radiochemistry)	Confidence level of 2 sigma.
Case Narrative (Cn)	A brief discussion about the included sample results, including a discussion of any non-conformances to protocol observed either at sample receipt by the laboratory from the field or during the analytical process. If present, there will be a section in the Case Narrative to discuss the meaning of any data qualifiers used in the report.
Quality Control Summary (Qc)	This section of the report includes the results of the laboratory quality control analyses required by procedure or analytical methods to assist in evaluating the validity of the results reported for your samples. These analyses are not being performed on your samples typically, but on laboratory generated material.
Sample Chain of Custody (Sc)	This is the document created in the field when your samples were initially collected. This is used to verify the time and date of collection, the person collecting the samples, and the analyses that the laboratory is requested to perform. This chain of custody also documents all persons (excluding commercial shippers) that have had control or possession of the samples from the time of collection until delivery to the laboratory for analysis.
Sample Results (Sr)	This section of your report will provide the results of all testing performed on your samples. These results are provided by sample ID and are separated by the analyses performed on each sample. The header line of each analysis section for each sample will provide the name and method number for the analysis reported.
Sample Summary (Ss)	This section of the Analytical Report defines the specific analyses performed for each sample ID, including the dates and times of preparation and/or analysis.

Qualifier	Description
	The remainder of this page intentionally left blank, there are no qualifiers applied to this SDG.

ACCREDITATIONS & LOCATIONS

Pace Analytical National 12065 Lebanon Rd Mount Juliet, TN 37122

Alabama	40660	Nebraska	NE-OS-15-05
Alaska	17-026	Nevada	TN000032021-1
Arizona	AZ0612	New Hampshire	2975
Arkansas	88-0469	New Jersey–NELAP	TN002
California	2932	New Mexico [1]	TN00003
Colorado	TN00003	New York	11742
Connecticut	PH-0197	North Carolina	Env375
Florida	E87487	North Carolina [1]	DW21704
Georgia	NELAP	North Carolina [3]	41
Georgia [1]	923	North Dakota	R-140
Idaho	TN00003	Ohio–VAP	CL0069
Illinois	200008	Oklahoma	9915
Indiana	C-TN-01	Oregon	TN200002
Iowa	364	Pennsylvania	68-02979
Kansas	E-10277	Rhode Island	LAO000356
Kentucky [1 6]	KY90010	South Carolina	84004002
Kentucky [2]	16	South Dakota	n/a
Louisiana	AI30792	Tennessee [1 4]	2006
Louisiana	LA018	Texas	T104704245-20-18
Maine	TN00003	Texas [5]	LAB0152
Maryland	324	Utah	TN000032021-11
Massachusetts	M-TN003	Vermont	VT2006
Michigan	9958	Virginia	110033
Minnesota	047-999-395	Washington	C847
Mississippi	TN00003	West Virginia	233
Missouri	340	Wisconsin	998093910
Montana	CERT0086	Wyoming	A2LA
A2LA – ISO 17025	1461.01	AIHA-LAP,LLC EMLAP	100789
A2LA – ISO 17025 [5]	1461.02	DOD	1461.01
Canada	1461.01	USDA	P330-15-00234
EPA–Crypto	TN00003		

[1] Drinking Water [2] Underground Storage Tanks [3] Aquatic Toxicity [4] Chemical/Microbiological [5] Mold [6] Wastewater n/a Accreditation not applicable

* Not all certifications held by the laboratory are applicable to the results reported in the attached report.

* Accreditation is only applicable to the test methods specified on each scope of accreditation held by Pace Analytical.

1 Cp
2 Tc
3 Ss
4 Cn
5 Sr
6 Qc
7 Gl
8 Al
9 Sc

ENSAFE

EnSafe Inc.
800-588-7962

SUMMA CANISTER CHAIN OF CUSTODY AND ANALYTICAL REQUEST RECORD

COC No. SAM0228203

Page 1 of 1

Project Name: Legends Park Block A Soil Gas Sampling

Project No. 34477 Phase 001

Site Location: Edgeview at Legends Park, Memphis, Tennessee

Send Results To: aharris@ensafe.com;ckipper@ensafe.com; ensafelabdata@ensafe.com

Sampler/Site Phone#: Steffen Matthews 901-229-3291

Lab Name: ...n Sciences dba Pace National - Mt. Juliet

Turnaround Time (specify): Standard

Lab ID	Sample ID (sys_sample_code)	Location ID (sys_loc_code)	Matrix Code (1)	Canister Number	Flow Controller Number	Start Date (mm/dd/yy)	Start Time (hhmm)	End Date (mm/dd/yy)	End Time (hhmm)	Canister Size (Liters)	Field Initial Pressure (in Hg)	Field Final Pressure (in Hg)	Analysis Requested: TO-15	IPA		
	LEGASG07R	SG1	GS	7254	23126	02/28/23	1314	02/28/23	1341	6	29	5	X	X		-01
	LEGASG08R	SG2	GS	12082	11534	02/28/23	1318	02/28/23	1344	6	29.5	5	X	X		-02

Sample Receipt Checklist

			If Applicable	
COC Seal Present/Intact:	Y	N		
COC Signed/Accurate:	Y	N	VOA Zero Headspace:	Y N
Bottles arrive intact:	Y	N	Pres.Correct/Check:	Y N
Correct bottles used:	Y	N		
Sufficient volume sent:	Y	N		
RAD Screen <0.5 mR/hr:	Y	N		

***Field* Comments:**

Unless otherwise specified, all results must be reported in µg/m3

***Lab* Comments:**

E118

Sample Shipment Details

Relinquished by (signature)	Date	Time	Received by (signature)	Date	Time
1	3/1/23	1425	1	3-2-23	0915
2			2		
3			3		

Number of packages: 1

Method of Shipment: FedEx

Date Shipped: 03/01/23

(1) Matrix Code: **AA**=Ambient Air, **AC**=Air Composite, **ACS**=Air-Crawlspace, **AE**=Air-Vapor Extraction Well Effluent, **AI**=Air-Indoor, **AO**=Air-Outdoor, **AQ**=Air QC Matrix, **ASG**=Air-Soil Gas (outside building footprint), GS=**Soil Gas**, GSS=**Gas-sub-slab**

Rev. 11/19

ANALYTICAL REPORT

March 10, 2023

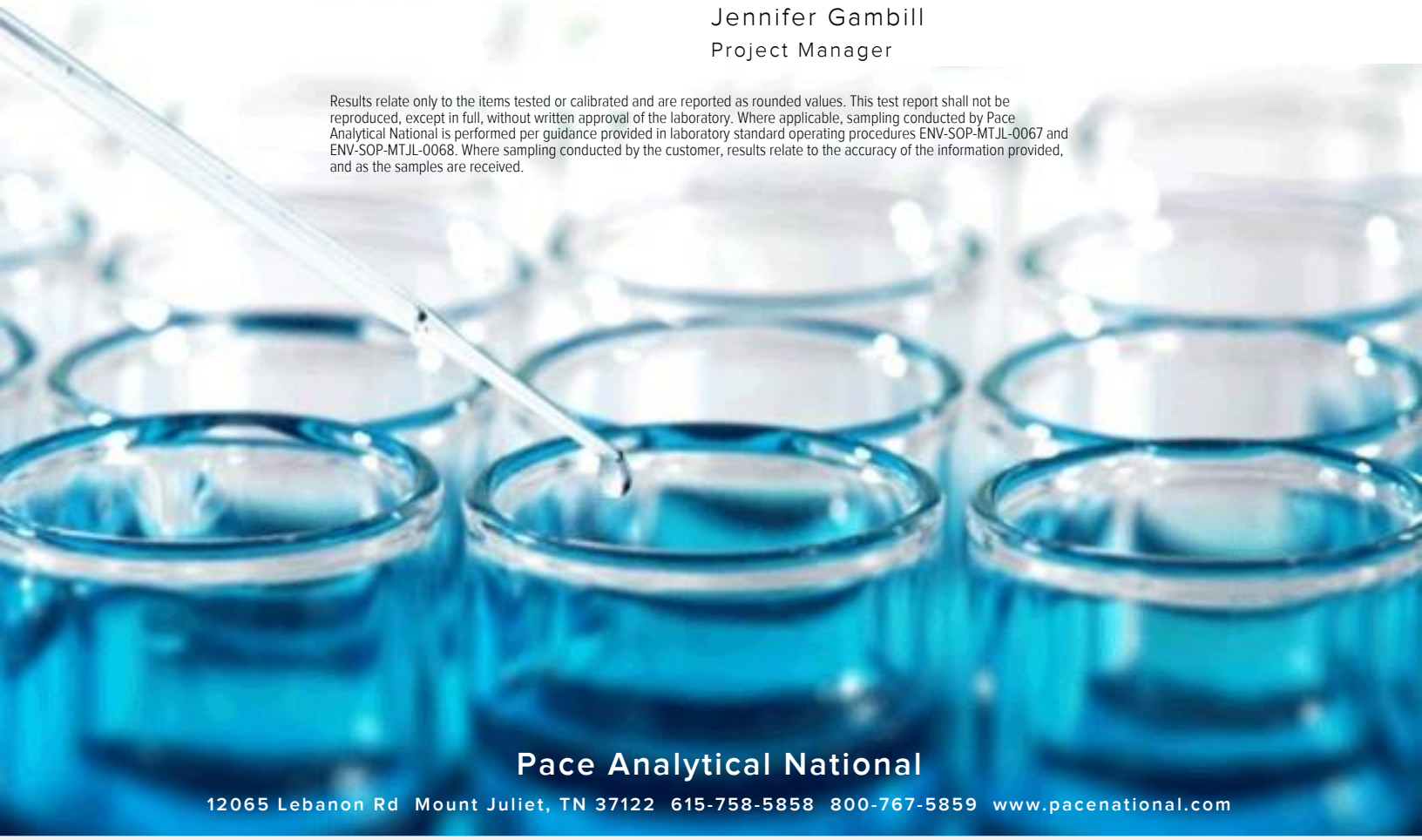
ENSAFE - Memphis

Sample Delivery Group:	L1592800
Samples Received:	03/08/2023
Project Number:	34557
Description:	Edgeview at Legends Park
Site:	MEMPHIS, TN
Report To:	Chelsey Kipper 5724 Summer Trees Drive Memphis, TN 38134

Entire Report Reviewed By:

Jennifer Gambill
Project Manager

Results relate only to the items tested or calibrated and are reported as rounded values. This test report shall not be reproduced, except in full, without written approval of the laboratory. Where applicable, sampling conducted by Pace Analytical National is performed per guidance provided in laboratory standard operating procedures ENV-SOP-MTJL-0067 and ENV-SOP-MTJL-0068. Where sampling conducted by the customer, results relate to the accuracy of the information provided, and as the samples are received.



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Sc: Sample Chain of Custody 13

SAMPLE SUMMARY

LEGASG09R L1592800-01 Air

Collected by: Chelsey Kipper
Collected date/time: 03/07/23 14:24
Received date/time: 03/08/23 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (MS) by Method TO-15	WG2019993	1	03/09/23 17:54	03/09/23 17:54	DAH	Mt. Juliet, TN

CASE NARRATIVE

All sample aliquots were received at the correct temperature, in the proper containers, with the appropriate preservatives, and within method specified holding times, unless qualified or notated within the report. Where applicable, all MDL (LOD) and RDL (LOQ) values reported for environmental samples have been corrected for the dilution factor used in the analysis. All Method and Batch Quality Control are within established criteria except where addressed in this case narrative, a non-conformance form or properly qualified within the sample results. By my digital signature below, I affirm to the best of my knowledge, all problems/anomalies observed by the laboratory as having the potential to affect the quality of the data have been identified by the laboratory, and no information or data have been knowingly withheld that would affect the quality of the data.

Jennifer Gambill
Project Manager

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
Acetone	67-64-1	58.10	1.25	2.97	45.7	109		1	WG2019993
Allyl chloride	107-05-1	76.53	0.200	0.626	ND	ND		1	WG2019993
Benzene	71-43-2	78.10	0.200	0.639	0.586	1.87		1	WG2019993
Benzyl Chloride	100-44-7	127	0.200	1.04	ND	ND		1	WG2019993
Bromodichloromethane	75-27-4	164	0.200	1.34	ND	ND		1	WG2019993
Bromoform	75-25-2	253	0.600	6.21	ND	ND		1	WG2019993
Bromomethane	74-83-9	94.90	0.200	0.776	ND	ND		1	WG2019993
1,3-Butadiene	106-99-0	54.10	2.00	4.43	ND	ND		1	WG2019993
Carbon disulfide	75-15-0	76.10	0.200	0.622	0.716	2.23		1	WG2019993
Carbon tetrachloride	56-23-5	154	0.200	1.26	ND	ND		1	WG2019993
Chlorobenzene	108-90-7	113	0.200	0.924	ND	ND		1	WG2019993
Chloroethane	75-00-3	64.50	0.200	0.528	ND	ND	J4	1	WG2019993
Chloroform	67-66-3	119	0.200	0.973	ND	ND		1	WG2019993
Chloromethane	74-87-3	50.50	0.200	0.413	0.337	0.696		1	WG2019993
2-Chlorotoluene	95-49-8	126	0.200	1.03	ND	ND		1	WG2019993
Cyclohexane	110-82-7	84.20	0.200	0.689	0.352	1.21		1	WG2019993
Dibromochloromethane	124-48-1	208	0.200	1.70	ND	ND		1	WG2019993
1,2-Dibromoethane	106-93-4	188	0.200	1.54	ND	ND		1	WG2019993
1,2-Dichlorobenzene	95-50-1	147	0.200	1.20	ND	ND		1	WG2019993
1,3-Dichlorobenzene	541-73-1	147	0.200	1.20	ND	ND		1	WG2019993
1,4-Dichlorobenzene	106-46-7	147	0.200	1.20	ND	ND		1	WG2019993
1,2-Dichloroethane	107-06-2	99	0.200	0.810	ND	ND		1	WG2019993
1,1-Dichloroethane	75-34-3	98	0.200	0.802	ND	ND		1	WG2019993
1,1-Dichloroethene	75-35-4	96.90	0.200	0.793	ND	ND		1	WG2019993
cis-1,2-Dichloroethene	156-59-2	96.90	0.200	0.793	ND	ND		1	WG2019993
trans-1,2-Dichloroethene	156-60-5	96.90	0.200	0.793	ND	ND		1	WG2019993
1,2-Dichloropropane	78-87-5	113	0.200	0.924	ND	ND		1	WG2019993
cis-1,3-Dichloropropene	10061-01-5	111	0.200	0.908	ND	ND		1	WG2019993
trans-1,3-Dichloropropene	10061-02-6	111	0.200	0.908	ND	ND		1	WG2019993
1,4-Dioxane	123-91-1	88.10	0.200	0.721	ND	ND		1	WG2019993
Ethanol	64-17-5	46.10	1.25	2.36	8.84	16.7		1	WG2019993
Ethylbenzene	100-41-4	106	0.200	0.867	0.233	1.01		1	WG2019993
4-Ethyltoluene	622-96-8	120	0.200	0.982	0.299	1.47		1	WG2019993
Trichlorofluoromethane	75-69-4	137.40	0.200	1.12	0.235	1.32		1	WG2019993
Dichlorodifluoromethane	75-71-8	120.92	0.200	0.989	0.466	2.30		1	WG2019993
1,1,2-Trichlorotrifluoroethane	76-13-1	187.40	0.200	1.53	ND	ND		1	WG2019993
1,2-Dichlorotetrafluoroethane	76-14-2	171	0.200	1.40	ND	ND		1	WG2019993
Heptane	142-82-5	100	0.200	0.818	ND	ND		1	WG2019993
Hexachloro-1,3-butadiene	87-68-3	261	0.630	6.73	ND	ND		1	WG2019993
n-Hexane	110-54-3	86.20	0.630	2.22	ND	ND		1	WG2019993
Isopropylbenzene	98-82-8	120.20	0.200	0.983	ND	ND		1	WG2019993
Methylene Chloride	75-09-2	84.90	0.200	0.694	0.212	0.736		1	WG2019993
Methyl Butyl Ketone	591-78-6	100	1.25	5.11	7.74	31.7		1	WG2019993
2-Butanone (MEK)	78-93-3	72.10	1.25	3.69	11.6	34.2		1	WG2019993
4-Methyl-2-pentanone (MIBK)	108-10-1	100.10	1.25	5.12	2.64	10.8		1	WG2019993
Methyl methacrylate	80-62-6	100.12	0.200	0.819	ND	ND		1	WG2019993
MTBE	1634-04-4	88.10	0.200	0.721	ND	ND		1	WG2019993
Naphthalene	91-20-3	128	0.630	3.30	ND	ND		1	WG2019993
2-Propanol	67-63-0	60.10	1.25	3.07	7.90	19.4		1	WG2019993
Propene	115-07-1	42.10	1.25	2.15	5.82	10.0		1	WG2019993
Styrene	100-42-5	104	0.200	0.851	ND	ND		1	WG2019993
1,1,2,2-Tetrachloroethane	79-34-5	168	0.200	1.37	ND	ND		1	WG2019993
Tetrachloroethylene	127-18-4	166	0.200	1.36	ND	ND		1	WG2019993
Tetrahydrofuran	109-99-9	72.10	0.200	0.590	ND	ND		1	WG2019993
Toluene	108-88-3	92.10	0.500	1.88	1.06	3.99		1	WG2019993
1,2,4-Trichlorobenzene	120-82-1	181	0.630	4.66	ND	ND		1	WG2019993

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
1,1,1-Trichloroethane	71-55-6	133	0.200	1.09	ND	ND		1	WG2019993
1,1,2-Trichloroethane	79-00-5	133	0.200	1.09	ND	ND		1	WG2019993
Trichloroethylene	79-01-6	131	0.200	1.07	ND	ND		1	WG2019993
1,2,4-Trimethylbenzene	95-63-6	120	0.200	0.982	0.545	2.67		1	WG2019993
1,3,5-Trimethylbenzene	108-67-8	120	0.200	0.982	ND	ND		1	WG2019993
2,2,4-Trimethylpentane	540-84-1	114.22	0.200	0.934	ND	ND		1	WG2019993
Vinyl chloride	75-01-4	62.50	0.200	0.511	ND	ND		1	WG2019993
Vinyl Bromide	593-60-2	106.95	0.200	0.875	ND	ND		1	WG2019993
Vinyl acetate	108-05-4	86.10	0.200	0.704	ND	ND		1	WG2019993
Xylenes, Total	1330-20-7	106.16	0.600	2.61	1.22	5.30		1	WG2019993
m&p-Xylene	1330-20-7	106	0.400	1.73	0.782	3.39		1	WG2019993
o-Xylene	95-47-6	106	0.200	0.867	0.438	1.90		1	WG2019993
(S) 1,4-Bromofluorobenzene	*460-00-4*	*175*	*60.0-140*		*98.5*				WG2019993

Method Blank (MB)

(MB) R3899105-3 03/09/23 10:17

Analyte	MB Result ppbv	MB Qualifier	MB MDL ppbv	MB RDL ppbv
Acetone	U		0.584	1.25
Allyl Chloride	U		0.114	0.200
Benzene	U		0.0715	0.200
Benzyl Chloride	U		0.0598	0.200
Bromodichloromethane	U		0.0702	0.200
Bromoform	U		0.0732	0.600
Bromomethane	U		0.0982	0.200
1,3-Butadiene	U		0.104	2.00
Carbon disulfide	U		0.102	0.200
Carbon tetrachloride	U		0.0732	0.200
Chlorobenzene	U		0.0832	0.200
Chloroethane	U		0.0996	0.200
Chloroform	U		0.0717	0.200
Chloromethane	U		0.103	0.200
2-Chlorotoluene	U		0.0828	0.200
Cyclohexane	U		0.0753	0.200
Dibromochloromethane	U		0.0727	0.200
1,2-Dibromoethane	U		0.0721	0.200
1,2-Dichlorobenzene	U		0.128	0.200
1,3-Dichlorobenzene	U		0.182	0.200
1,4-Dichlorobenzene	U		0.0557	0.200
1,2-Dichloroethane	U		0.0700	0.200
1,1-Dichloroethane	U		0.0723	0.200
1,1-Dichloroethene	U		0.0762	0.200
cis-1,2-Dichloroethene	U		0.0784	0.200
trans-1,2-Dichloroethene	U		0.0673	0.200
1,2-Dichloropropane	U		0.0760	0.200
cis-1,3-Dichloropropene	U		0.0689	0.200
trans-1,3-Dichloropropene	U		0.0728	0.200
1,4-Dioxane	U		0.0833	0.200
Ethanol	U		0.265	1.25
Ethylbenzene	U		0.0835	0.200
4-Ethyltoluene	U		0.0783	0.200
Trichlorofluoromethane	U		0.0819	0.200
Dichlorodifluoromethane	U		0.137	0.200
1,1,2-Trichlorotrifluoroethane	U		0.0793	0.200
1,2-Dichlorotetrafluoroethane	U		0.0890	0.200
Heptane	U		0.104	0.200
Hexachloro-1,3-butadiene	U		0.105	0.630
n-Hexane	U		0.206	0.630

Method Blank (MB)

(MB) R3899105-3 03/09/23 10:17

Analyte	MB Result ppbv	MB Qualifier	MB MDL ppbv	MB RDL ppbv
Isopropylbenzene	U		0.0777	0.200
Methylene Chloride	U		0.0979	0.200
Methyl Butyl Ketone	U		0.133	1.25
2-Butanone (MEK)	U		0.0814	1.25
4-Methyl-2-pentanone (MIBK)	U		0.0765	1.25
Methyl Methacrylate	U		0.0876	0.200
MTBE	U		0.0647	0.200
Naphthalene	U		0.350	0.630
2-Propanol	U		0.264	1.25
Propene	0.143	J	0.0932	1.25
Styrene	U		0.0788	0.200
1,1,2,2-Tetrachloroethane	U		0.0743	0.200
Tetrachloroethylene	U		0.0814	0.200
Tetrahydrofuran	U		0.0734	0.200
Toluene	U		0.0870	0.500
1,2,4-Trichlorobenzene	U		0.148	0.630
1,1,1-Trichloroethane	U		0.0736	0.200
1,1,2-Trichloroethane	U		0.0775	0.200
Trichloroethylene	U		0.0680	0.200
1,2,4-Trimethylbenzene	U		0.0764	0.200
1,3,5-Trimethylbenzene	U		0.0779	0.200
2,2,4-Trimethylpentane	U		0.133	0.200
Vinyl chloride	U		0.0949	0.200
Vinyl Bromide	U		0.0852	0.200
Vinyl acetate	U		0.116	0.200
Xylenes, Total	U		0.135	0.600
m&p-Xylene	U		0.135	0.400
o-Xylene	U		0.0828	0.200
(S) 1,4-Bromofluorobenzene	*96.4*			*60.0-140*

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R3899105-1 03/09/23 08:54 • (LCSD) R3899105-2 03/09/23 09:37

Analyte	Spike Amount ppbv	LCS Result ppbv	LCSD Result ppbv	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Acetone	3.75	4.17	4.20	111	112	70.0-130			0.717	25
Allyl Chloride	3.75	4.64	4.61	124	123	70.0-130			0.649	25
Benzene	3.75	4.49	4.47	120	119	70.0-130			0.446	25
Benzyl Chloride	3.75	4.59	4.53	122	121	70.0-152			1.32	25

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R3899105-1 03/09/23 08:54 • (LCSD) R3899105-2 03/09/23 09:37

Analyte	Spike Amount ppbv	LCS Result ppbv	LCSD Result ppbv	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Bromodichloromethane	3.75	4.28	4.26	114	114	70.0-130			0.468	25
Bromoform	3.75	4.17	4.19	111	112	70.0-130			0.478	25
Bromomethane	3.75	4.06	4.18	108	111	70.0-130			2.91	25
1,3-Butadiene	3.75	3.41	3.44	90.9	91.7	70.0-130			0.876	25
Carbon disulfide	3.75	4.41	4.43	118	118	70.0-130			0.452	25
Carbon tetrachloride	3.75	4.35	4.36	116	116	70.0-130			0.230	25
Chlorobenzene	3.75	4.38	4.36	117	116	70.0-130			0.458	25
Chloroethane	3.75	5.23	5.21	139	139	70.0-130	J4	J4	0.383	25
Chloroform	3.75	4.40	4.43	117	118	70.0-130			0.679	25
Chloromethane	3.75	3.97	3.96	106	106	70.0-130			0.252	25
2-Chlorotoluene	3.75	4.40	4.38	117	117	70.0-130			0.456	25
Cyclohexane	3.75	4.77	4.73	127	126	70.0-130			0.842	25
Dibromochloromethane	3.75	4.29	4.28	114	114	70.0-130			0.233	25
1,2-Dibromoethane	3.75	4.41	4.35	118	116	70.0-130			1.37	25
1,2-Dichlorobenzene	3.75	4.28	4.27	114	114	70.0-130			0.234	25
1,3-Dichlorobenzene	3.75	4.32	4.35	115	116	70.0-130			0.692	25
1,4-Dichlorobenzene	3.75	4.37	4.34	117	116	70.0-130			0.689	25
1,2-Dichloroethane	3.75	4.22	4.23	113	113	70.0-130			0.237	25
1,1-Dichloroethane	3.75	4.44	4.43	118	118	70.0-130			0.225	25
1,1-Dichloroethene	3.75	4.43	4.45	118	119	70.0-130			0.450	25
cis-1,2-Dichloroethene	3.75	4.51	4.53	120	121	70.0-130			0.442	25
trans-1,2-Dichloroethene	3.75	4.43	4.50	118	120	70.0-130			1.57	25
1,2-Dichloropropane	3.75	4.34	4.28	116	114	70.0-130			1.39	25
cis-1,3-Dichloropropene	3.75	4.54	4.49	121	120	70.0-130			1.11	25
trans-1,3-Dichloropropene	3.75	4.42	4.42	118	118	70.0-130			0.000	25
1,4-Dioxane	3.75	4.57	4.46	122	119	70.0-140			2.44	25
Ethanol	3.75	3.77	3.80	101	101	55.0-148			0.793	25
Ethylbenzene	3.75	4.66	4.64	124	124	70.0-130			0.430	25
4-Ethyltoluene	3.75	4.60	4.59	123	122	70.0-130			0.218	25
Trichlorofluoromethane	3.75	4.32	4.36	115	116	70.0-130			0.922	25
Dichlorodifluoromethane	3.75	4.29	4.35	114	116	64.0-139			1.39	25
1,1,2-Trichlorotrifluoroethane	3.75	4.36	4.42	116	118	70.0-130			1.37	25
1,2-Dichlorotetrafluoroethane	3.75	4.21	4.23	112	113	70.0-130			0.474	25
Heptane	3.75	4.30	4.31	115	115	70.0-130			0.232	25
Hexachloro-1,3-butadiene	3.75	4.39	4.37	117	117	70.0-151			0.457	25
n-Hexane	3.75	4.65	4.68	124	125	70.0-130			0.643	25
Isopropylbenzene	3.75	4.72	4.69	126	125	70.0-130			0.638	25
Methylene Chloride	3.75	4.01	4.06	107	108	70.0-130			1.24	25
Methyl Butyl Ketone	3.75	3.97	3.97	106	106	70.0-149			0.000	25
Methyl Ethyl Ketone	3.75	4.81	4.82	128	129	70.0-130			0.208	25

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R3899105-1 03/09/23 08:54 • (LCSD) R3899105-2 03/09/23 09:37

Analyte	Spike Amount ppbv	LCS Result ppbv	LCSD Result ppbv	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
4-Methyl-2-pentanone (MIBK)	3.75	4.04	4.04	108	108	70.0-139			0.000	25
Methyl Methacrylate	3.75	4.63	4.61	123	123	70.0-130			0.433	25
MTBE	3.75	4.67	4.73	125	126	70.0-130			1.28	25
Naphthalene	3.75	4.28	4.32	114	115	70.0-159			0.930	25
2-Propanol	3.75	4.24	4.15	113	111	70.0-139			2.15	25
Propene	3.75	3.71	3.73	98.9	99.5	64.0-144			0.538	25
Styrene	3.75	4.60	4.61	123	123	70.0-130			0.217	25
1,1,2,2-Tetrachloroethane	3.75	4.31	4.32	115	115	70.0-130			0.232	25
Tetrachloroethylene	3.75	4.45	4.43	119	118	70.0-130			0.450	25
Tetrahydrofuran	3.75	4.19	4.25	112	113	70.0-137			1.42	25
Toluene	3.75	4.57	4.50	122	120	70.0-130			1.54	25
1,2,4-Trichlorobenzene	3.75	4.02	4.05	107	108	70.0-160			0.743	25
1,1,1-Trichloroethane	3.75	4.36	4.35	116	116	70.0-130			0.230	25
1,1,2-Trichloroethane	3.75	4.36	4.34	116	116	70.0-130			0.460	25
Trichloroethylene	3.75	4.45	4.43	119	118	70.0-130			0.450	25
1,2,4-Trimethylbenzene	3.75	4.60	4.55	123	121	70.0-130			1.09	25
1,3,5-Trimethylbenzene	3.75	4.47	4.50	119	120	70.0-130			0.669	25
2,2,4-Trimethylpentane	3.75	4.67	4.71	125	126	70.0-130			0.853	25
Vinyl chloride	3.75	4.05	4.05	108	108	70.0-130			0.000	25
Vinyl Bromide	3.75	4.41	4.54	118	121	70.0-130			2.91	25
Vinyl acetate	3.75	4.49	4.32	120	115	70.0-130			3.86	25
Xylenes, Total	11.3	14.1	13.9	125	123	70.0-130			1.43	25
m&p-Xylene	7.50	9.37	9.32	125	124	70.0-130			0.535	25
o-Xylene	3.75	4.71	4.62	126	123	70.0-130			1.93	25
(S) 1,4-Bromofluorobenzene				*98.5*	*98.1*	*60.0-140*				

GLOSSARY OF TERMS

Guide to Reading and Understanding Your Laboratory Report

The information below is designed to better explain the various terms used in your report of analytical results from the Laboratory. This is not intended as a comprehensive explanation, and if you have additional questions please contact your project representative.

Results Disclaimer - Information that may be provided by the customer, and contained within this report, include Permit Limits, Project Name, Sample ID, Sample Matrix, Sample Preservation, Field Blanks, Field Spikes, Field Duplicates, On-Site Data, Sampling Collection Dates/Times, and Sampling Location. Results relate to the accuracy of this information provided, and as the samples are received.

Abbreviations and Definitions

MDL	Method Detection Limit.
ND	Not detected at the Reporting Limit (or MDL where applicable).
RDL	Reported Detection Limit.
Rec.	Recovery.
RPD	Relative Percent Difference.
SDG	Sample Delivery Group.
(S)	Surrogate (Surrogate Standard) - Analytes added to every blank, sample, Laboratory Control Sample/Duplicate and Matrix Spike/Duplicate; used to evaluate analytical efficiency by measuring recovery. Surrogates are not expected to be detected in all environmental media.
U	Not detected at the Reporting Limit (or MDL where applicable).
Analyte	The name of the particular compound or analysis performed. Some Analyses and Methods will have multiple analytes reported.
Dilution	If the sample matrix contains an interfering material, the sample preparation volume or weight values differ from the standard, or if concentrations of analytes in the sample are higher than the highest limit of concentration that the laboratory can accurately report, the sample may be diluted for analysis. If a value different than 1 is used in this field, the result reported has already been corrected for this factor.
Limits	These are the target % recovery ranges or % difference value that the laboratory has historically determined as normal for the method and analyte being reported. Successful QC Sample analysis will target all analytes recovered or duplicated within these ranges.
Qualifier	This column provides a letter and/or number designation that corresponds to additional information concerning the result reported. If a Qualifier is present, a definition per Qualifier is provided within the Glossary and Definitions page and potentially a discussion of possible implications of the Qualifier in the Case Narrative if applicable.
Result	The actual analytical final result (corrected for any sample specific characteristics) reported for your sample. If there was no measurable result returned for a specific analyte, the result in this column may state “ND” (Not Detected) or “BDL” (Below Detectable Levels). The information in the results column should always be accompanied by either an MDL (Method Detection Limit) or RDL (Reporting Detection Limit) that defines the lowest value that the laboratory could detect or report for this analyte.
Uncertainty (Radiochemistry)	Confidence level of 2 sigma.
Case Narrative (Cn)	A brief discussion about the included sample results, including a discussion of any non-conformances to protocol observed either at sample receipt by the laboratory from the field or during the analytical process. If present, there will be a section in the Case Narrative to discuss the meaning of any data qualifiers used in the report.
Quality Control Summary (Qc)	This section of the report includes the results of the laboratory quality control analyses required by procedure or analytical methods to assist in evaluating the validity of the results reported for your samples. These analyses are not being performed on your samples typically, but on laboratory generated material.
Sample Chain of Custody (Sc)	This is the document created in the field when your samples were initially collected. This is used to verify the time and date of collection, the person collecting the samples, and the analyses that the laboratory is requested to perform. This chain of custody also documents all persons (excluding commercial shippers) that have had control or possession of the samples from the time of collection until delivery to the laboratory for analysis.
Sample Results (Sr)	This section of your report will provide the results of all testing performed on your samples. These results are provided by sample ID and are separated by the analyses performed on each sample. The header line of each analysis section for each sample will provide the name and method number for the analysis reported.
Sample Summary (Ss)	This section of the Analytical Report defines the specific analyses performed for each sample ID, including the dates and times of preparation and/or analysis.

Qualifier	Description
J	The identification of the analyte is acceptable; the reported value is an estimate.
J4	The associated batch QC was outside the established quality control range for accuracy.

ACCREDITATIONS & LOCATIONS

Pace Analytical National 12065 Lebanon Rd Mount Juliet, TN 37122

Alabama	40660	Nebraska	NE-OS-15-05
Alaska	17-026	Nevada	TN000032021-1
Arizona	AZ0612	New Hampshire	2975
Arkansas	88-0469	New Jersey–NELAP	TN002
California	2932	New Mexico [1]	TN00003
Colorado	TN00003	New York	11742
Connecticut	PH-0197	North Carolina	Env375
Florida	E87487	North Carolina [1]	DW21704
Georgia	NELAP	North Carolina [3]	41
Georgia [1]	923	North Dakota	R-140
Idaho	TN00003	Ohio–VAP	CL0069
Illinois	200008	Oklahoma	9915
Indiana	C-TN-01	Oregon	TN200002
Iowa	364	Pennsylvania	68-02979
Kansas	E-10277	Rhode Island	LAO000356
Kentucky [1 6]	KY90010	South Carolina	84004002
Kentucky [2]	16	South Dakota	n/a
Louisiana	AI30792	Tennessee [1 4]	2006
Louisiana	LA018	Texas	T104704245-20-18
Maine	TN00003	Texas [5]	LAB0152
Maryland	324	Utah	TN000032021-11
Massachusetts	M-TN003	Vermont	VT2006
Michigan	9958	Virginia	110033
Minnesota	047-999-395	Washington	C847
Mississippi	TN00003	West Virginia	233
Missouri	340	Wisconsin	998093910
Montana	CERT0086	Wyoming	A2LA
A2LA – ISO 17025	1461.01	AIHA-LAP,LLC EMLAP	100789
A2LA – ISO 17025 [5]	1461.02	DOD	1461.01
Canada	1461.01	USDA	P330-15-00234
EPA–Crypto	TN00003		

[1] Drinking Water [2] Underground Storage Tanks [3] Aquatic Toxicity [4] Chemical/Microbiological [5] Mold [6] Wastewater n/a Accreditation not applicable

* Not all certifications held by the laboratory are applicable to the results reported in the attached report.

* Accreditation is only applicable to the test methods specified on each scope of accreditation held by Pace Analytical.

L1592800

ENSAFE	SUMMA CANISTER CHAIN OF CUSTODY AND ANALYTICAL REQUEST RECORD	COC No. CLK_03/07/23	Page 1 of 1
EnSafe Inc. 800-588-7962	Project Name: Edgeview at Legends Park, Memphis, Tennessee	PO No. 34557	Project No./Phase 34477/001
	Site Location: Legends Park, Block A Soil Gas Sampling		
	Send Results To: ckipper@ensafe.com, aharris@ensafe.com, ensafelabdata@ensafe.com		
Sampler/Site Phone#	Chelsey Kipper/270-287-1703		
Lab Name:	Pace Mt. Juliet	Turnaround Time (specify):	3 day

Lab ID	Sample ID (sys_sample_code)	Location ID (sys_loc_code)	Matrix Code (1)	Canister Number	Flow Controller Number	Start Date (mm/dd/yy)	Start Time (hhmm)	End Date (mm/dd/yy)	End Time (hhmm)	Canister Size (Liters)	Field Initial Pressure (in Hg)	Field Final Pressure (in Hg)	Analysis Requested: TO-15	IPA		
	LEGASG09R	SG09	GS	22744	11921	03/07/23	1357	03/07/23	1424	6	29	4	X	X	-01	

E114

Sample Receipt Checklist

COC Seal Present/Intact:	Y N	If Applicable	
COC Signed/Accurate:	Y N	VOA Zero Headspace:	Y N
Bottles arrive intact:	Y N	Pres.Correct/Check:	Y N
Correct bottles used:	Y N		
Sufficient volume sent:	Y N		
RAD Screen <0.5 mR/hr:	Y N		

***Field* Comments:**

***Lab* Comments:**

Unless otherwise specified, all results must be reported in µg/m3

Sample Shipment Details

	Relinquished by (signature)	Date	Time	Received by (signature)	Date	Time
1		03/07/23	1530		3/8/23	0900
2						
3						

Number of packages: 1

Method of Shipment: FedEx

Date Shipped: 03/07/23

(1) Matrix Code: **AA**=Ambient Air, **AC**=Air Composite, **ACS**=Air-Crawlspace, **AE**=Air-Vapor Extraction Well Effluent, **AI**=Air-Indoor, **AO**=Air-Outdoor, **AQ**=Air QC Matrix, **ASG**=Air-Soil Gas (outside building footprint), GS=**Soil Gas**, GSS=**Gas-sub-slab**

Rev. 11/19

Attachment E
VISL Calculator Outputs

Resident Vapor Intrusion Risk - SG06

Chemical	CAS Number	Site Sub-Slab and Exterior Soil Gas Concentration C_{sg} ($\mu g/m^3$)	Site Indoor Air Concentration $C_{i,a}$ ($\mu g/m^3$)	VI Carcinogenic Risk CDI ($\mu g/m^3$)	VI Carcinogenic Risk CR	VI Hazard CDI (mg/m^3)	VI Hazard HQ	IUR ($\mu g/m^3$)$^{-1}$	IUR Ref	Chronic RfC (mg/m^3)	RfC Ref	Temperature (℃) for Groundwater Vapor Concentration	Mutagen?
Acetone	67-64-1	7.22E+01	-	-	-	-	-	-		-		2.50E+01	No
Benzene	71-43-2	1.09E+00	3.27E-02	1.16E-02	9.08E-08	3.14E-05	1.05E-03	7.80E-06	I	3.00E-02	IRIS	2.50E+01	No
Carbon Disulfide	75-15-0	7.16E-01	2.15E-02	7.65E-03	-	2.06E-05	2.94E-05	-		7.00E-01	IRIS	2.50E+01	No
Chloromethane	74-87-3	4.77E-01	1.43E-02	5.10E-03	-	1.37E-05	1.52E-04	-		9.00E-02	IRIS	2.50E+01	No
Cyclohexane	110-82-7	8.40E-01	2.52E-02	8.98E-03	-	2.42E-05	4.03E-06	-		6.00E+00	IRIS	2.50E+01	No
Dichlorodifluoromethane	75-71-8	2.07E+00	6.21E-02	2.21E-02	-	5.95E-05	5.95E-04	-		1.00E-01	SCREEN	2.50E+01	No
Ethanol	64-17-5	2.96E+00	-	-	-	-	-	-		-		2.50E+01	No
Ethylbenzene	100-41-4	-	-	-	-	-	-	2.50E-06	C	1.00E+00	IRIS	2.50E+01	No
Heptane, N-	142-82-5	-	-	-	-	-	-	-		4.00E-01	PPRTV	2.50E+01	No
Hexane, N-	110-54-3	-	-	-	-	-	-	-		7.00E-01	IRIS	2.50E+01	No
Hexanone, 2-	591-78-6	1.86E+01	5.58E-01	1.99E-01	-	5.35E-04	1.78E-02	-		3.00E-02	IRIS	2.50E+01	No
Isopropanol	67-63-0	5.58E+00	1.67E-01	5.96E-02	-	1.61E-04	8.03E-04	-		2.00E-01	PPRTV	2.50E+01	No
Methyl Ethyl Ketone (2-Butanone)	78-93-3	1.59E+01	4.77E-01	1.70E-01	-	4.57E-04	9.15E-05	-		5.00E+00	IRIS	2.50E+01	No
Methyl Isobutyl Ketone (4-methyl-2-pentanone)	108-10-1	6.92E+00	2.08E-01	7.39E-02	-	1.99E-04	6.64E-05	-		3.00E+00	IRIS	2.50E+01	No
Methylene Chloride	75-09-2	-	-	-	-	-	-	1.00E-08	I	6.00E-01	IRIS	2.50E+01	Mut
Propylene	115-07-1	9.50E+00	2.85E-01	1.02E-01	-	2.73E-04	9.11E-05	-		3.00E+00	CALEPA	2.50E+01	No
Tetrahydrofuran	109-99-9	-	-	-	-	-	-	-		2.00E+00	IRIS	2.50E+01	No
Toluene	108-88-3	2.03E+00	6.09E-02	2.17E-02	-	5.84E-05	1.17E-05	-		5.00E+00	IRIS	2.50E+01	No
Trichlorofluoromethane	75-69-4	1.34E+00	-	-	-	-	-	-		-		2.50E+01	No
Trimethylbenzene, 1,2,4-	95-63-6	1.23E+00	3.69E-02	1.31E-02	-	3.54E-05	5.90E-04	-		6.00E-02	IRIS	2.50E+01	No
Trimethylbenzene, 1,3,5-	108-67-8	-	-	-	-	-	-	-		6.00E-02	IRIS	2.50E+01	No
Xylenes	1330-20-7	3.91E+00	1.17E-01	4.18E-02	-	1.12E-04	1.12E-03	-		1.00E-01	IRIS	2.50E+01	No
Sum		-	-	-	*9.08E-08*	-	*2.24E-02*	-		-		-	

Output generated 10MAR2023:13:51:51

Resident Vapor Intrusion Risk - SG07R

Chemical	CAS Number	Site Sub-Slab and Exterior Soil Gas Concentration C_{sg} ($\mu g/m^3$)	Site Indoor Air Concentration $C_{i,a}$ ($\mu g/m^3$)	VI Carcinogenic Risk CDI ($\mu g/m^3$)	VI Carcinogenic Risk CR	VI Hazard CDI (mg/m^3)	VI Hazard HQ	IUR $(\mu g/m^3)^{-1}$	IUR Ref	Chronic RfC (mg/m^3)	RfC Ref	Temperature (℃) for Groundwater Vapor Concentration	Mutagen?
Acetone	67-64-1	3.52E+01	-	-	-	-	-	-		-		2.50E+01	No
Benzene	71-43-2	-	-	-	-	-	-	7.80E-06	I	3.00E-02	IRIS	2.50E+01	No
Carbon Disulfide	75-15-0	1.01E+00	3.03E-02	1.08E-02	-	2.91E-05	4.15E-05	-		7.00E-01	IRIS	2.50E+01	No
Chloromethane	74-87-3	4.42E-01	1.33E-02	4.72E-03	-	1.27E-05	1.41E-04	-		9.00E-02	IRIS	2.50E+01	No
Cyclohexane	110-82-7	-	-	-	-	-	-	-		6.00E+00	IRIS	2.50E+01	No
Dichlorodifluoromethane	75-71-8	1.88E+00	5.64E-02	2.01E-02	-	5.41E-05	5.41E-04	-		1.00E-01	SCREEN	2.50E+01	No
Ethanol	64-17-5	5.79E+00	-	-	-	-	-	-		-		2.50E+01	No
Ethylbenzene	100-41-4	-	-	-	-	-	-	2.50E-06	C	1.00E+00	IRIS	2.50E+01	No
Heptane, N-	142-82-5	-	-	-	-	-	-	-		4.00E-01	PPRTV	2.50E+01	No
Hexane, N-	110-54-3	-	-	-	-	-	-	-		7.00E-01	IRIS	2.50E+01	No
Hexanone, 2-	591-78-6	7.44E+00	2.23E-01	7.95E-02	-	2.14E-04	7.13E-03	-		3.00E-02	IRIS	2.50E+01	No
Isopropanol	67-63-0	3.59E+00	1.08E-01	3.84E-02	-	1.03E-04	5.16E-04	-		2.00E-01	PPRTV	2.50E+01	No
Methyl Ethyl Ketone (2-Butanone)	78-93-3	5.87E+00	1.76E-01	6.27E-02	-	1.69E-04	3.38E-05	-		5.00E+00	IRIS	2.50E+01	No
Methyl Isobutyl Ketone (4-methyl-2-pentanone)	108-10-1	5.20E+00	1.56E-01	5.56E-02	-	1.50E-04	4.99E-05	-		3.00E+00	IRIS	2.50E+01	No
Methylene Chloride	75-09-2	8.40E-01	2.52E-02	2.49E-02	2.49E-10	2.42E-05	4.03E-05	1.00E-08	I	6.00E-01	IRIS	2.50E+01	Mut
Propylene	115-07-1	-	-	-	-	-	-	-		3.00E+00	CALEPA	2.50E+01	No
Tetrahydrofuran	109-99-9	6.40E-01	1.92E-02	6.84E-03	-	1.84E-05	9.21E-06	-		2.00E+00	IRIS	2.50E+01	No
Toluene	108-88-3	2.34E+00	7.02E-02	2.50E-02	-	6.73E-05	1.35E-05	-		5.00E+00	IRIS	2.50E+01	No
Trichlorofluoromethane	75-69-4	-	-	-	-	-	-	-		-		2.50E+01	No
Trimethylbenzene, 1,2,4-	95-63-6	2.12E+00	6.36E-02	2.27E-02	-	6.10E-05	1.02E-03	-		6.00E-02	IRIS	2.50E+01	No
Trimethylbenzene, 1,3,5-	108-67-8	-	-	-	-	-	-	-		6.00E-02	IRIS	2.50E+01	No
Xylenes	1330-20-7	3.73E+00	1.12E-01	3.99E-02	-	1.07E-04	1.07E-03	-		1.00E-01	IRIS	2.50E+01	No
**Sum*		-	-	-	*2.49E-10*	-	*1.06E-02*	-		-		-	

Output generated 10MAR2023:13:55:58

Resident Vapor Intrusion Risk - SG08R

Chemical	CAS Number	Site Sub-Slab and Exterior Soil Gas Concentration C_{sg} ($\mu g/m^3$)	Site Indoor Air Concentration $C_{i,a}$ ($\mu g/m^3$)	VI Carcinogenic Risk CDI ($\mu g/m^3$)	VI Carcinogenic Risk CR	VI Hazard CDI (mg/m^3)	VI Hazard HQ	IUR $(\mu g/m^3)^{-1}$	IUR Ref	Chronic RfC (mg/m^3)	RfC Ref	Temperature (℃) for Groundwater Vapor Concentration	Mutagen?
Acetone	67-64-1	7.94E+01	-	-	-	-	-	-		-		2.50E+01	No
Benzene	71-43-2	1.08E+00	3.24E-02	1.15E-02	9.00E-08	3.11E-05	1.04E-03	7.80E-06	I	3.00E-02	IRIS	2.50E+01	No
Carbon Disulfide	75-15-0	1.48E+00	4.44E-02	1.58E-02	-	4.26E-05	6.08E-05	-		7.00E-01	IRIS	2.50E+01	No
Chloromethane	74-87-3	7.54E-01	2.26E-02	8.06E-03	-	2.17E-05	2.41E-04	-		9.00E-02	IRIS	2.50E+01	No
Cyclohexane	110-82-7	-	-	-	-	-	-	-		6.00E+00	IRIS	2.50E+01	No
Dichlorodifluoromethane	75-71-8	1.91E+00	5.73E-02	2.04E-02	-	5.49E-05	5.49E-04	-		1.00E-01	SCREEN	2.50E+01	No
Ethanol	64-17-5	-	-	-	-	-	-	-		-		2.50E+01	No
Ethylbenzene	100-41-4	-	-	-	-	-	-	2.50E-06	C	1.00E+00	IRIS	2.50E+01	No
Heptane, N-	142-82-5	-	-	-	-	-	-	-		4.00E-01	PPRTV	2.50E+01	No
Hexane, N-	110-54-3	-	-	-	-	-	-	-		7.00E-01	IRIS	2.50E+01	No
Hexanone, 2-	591-78-6	1.76E+01	5.28E-01	1.88E-01	-	5.06E-04	1.69E-02	-		3.00E-02	IRIS	2.50E+01	No
Isopropanol	67-63-0	3.12E+00	9.36E-02	3.33E-02	-	8.98E-05	4.49E-04	-		2.00E-01	PPRTV	2.50E+01	No
Methyl Ethyl Ketone (2-Butanone)	78-93-3	1.90E+01	5.70E-01	2.03E-01	-	5.47E-04	1.09E-04	-		5.00E+00	IRIS	2.50E+01	No
Methyl Isobutyl Ketone (4-methyl-2-pentanone)	108-10-1	7.29E+00	2.19E-01	7.79E-02	-	2.10E-04	6.99E-05	-		3.00E+00	IRIS	2.50E+01	No
Methylene Chloride	75-09-2	-	-	-	-	-	-	1.00E-08	I	6.00E-01	IRIS	2.50E+01	Mut
Propylene	115-07-1	7.77E+00	2.33E-01	8.30E-02	-	2.24E-04	7.45E-05	-		3.00E+00	CALEPA	2.50E+01	No
Tetrahydrofuran	109-99-9	7.37E-01	2.21E-02	7.87E-03	-	2.12E-05	1.06E-05	-		2.00E+00	IRIS	2.50E+01	No
Toluene	108-88-3	2.56E+00	7.68E-02	2.74E-02	-	7.36E-05	1.47E-05	-		5.00E+00	IRIS	2.50E+01	No
Trichlorofluoromethane	75-69-4	-	-	-	-	-	-	-		-		2.50E+01	No
Trimethylbenzene, 1,2,4-	95-63-6	1.96E+00	5.88E-02	2.09E-02	-	5.64E-05	9.40E-04	-		6.00E-02	IRIS	2.50E+01	No
Trimethylbenzene, 1,3,5-	108-67-8	-	-	-	-	-	-	-		6.00E-02	IRIS	2.50E+01	No
Xylenes	1330-20-7	4.06E+00	1.22E-01	4.34E-02	-	1.17E-04	1.17E-03	-		1.00E-01	IRIS	2.50E+01	No
*Sum		-	-	-	*9.00E-08*	-	*2.16E-02*	-		-		-	

Output generated 10MAR2023:13:59:08

Resident Vapor Intrusion Risk - SG09R

Chemical	CAS Number	Site Sub-Slab and Exterior Soil Gas Concentration C_{sg} ($\mu g/m^3$)	Site Indoor Air Concentration $C_{i,a}$ ($\mu g/m^3$)	VI Carcinogenic Risk CDI ($\mu g/m^3$)	VI Carcinogenic Risk CR	VI Hazard CDI (mg/m^3)	VI Hazard HQ	IUR $(ug/m^3)^{-1}$	IUR Ref	Chronic RfC (mg/m^3)	RfC Ref	Temperature (°C) for Groundwater Vapor Concentration	Mutagen?
Acetone	67-64-1	1.11E+02	-	-	-	-	-	-		-		2.50E+01	No
Benzene	71-43-2	1.63E+00	4.89E-02	1.74E-02	1.36E-07	4.69E-05	1.56E-03	7.80E-06	U	3.00E-02	U	2.50E+01	No
Chloromethane	74-87-3	7.48E-01	2.24E-02	7.99E-03	-	2.15E-05	2.39E-04	-		9.00E-02	U	2.50E+01	No
Cyclohexane	110-82-7	9.40E-01	2.82E-02	1.00E-02	-	2.70E-05	4.51E-06	-		6.00E+00	U	2.50E+01	No
Dichlorodifluoromethane	75-71-8	2.11E+00	6.33E-02	2.25E-02	-	6.07E-05	6.07E-04	-		1.00E-01	U	2.50E+01	No
Ethanol	64-17-5	1.78E+01	-	-	-	-	-	-		-		2.50E+01	No
Ethylbenzene	100-41-4	8.67E-01	2.60E-02	9.26E-03	2.32E-08	2.49E-05	2.49E-05	2.50E-06	U	1.00E+00	U	2.50E+01	No
Heptane, N-	142-82-5	1.32E+00	3.96E-02	1.41E-02	-	3.80E-05	9.49E-05	-		4.00E-01	U	2.50E+01	No
Hexanone, 2-	591-78-6	3.42E+01	1.03E+00	3.65E-01	-	9.84E-04	3.28E-02	-		3.00E-02	U	2.50E+01	No
Isopropanol	67-63-0	1.98E+01	5.94E-01	2.12E-01	-	5.70E-04	2.85E-03	-		2.00E-01	U	2.50E+01	No
Methyl Ethyl Ketone (2-Butanone)	78-93-3	2.77E+01	8.31E-01	2.96E-01	-	7.97E-04	1.59E-04	-		5.00E+00	U	2.50E+01	No
Methyl Isobutyl Ketone (4-methyl-2-pentanone)	108-10-1	1.23E+01	3.69E-01	1.31E-01	-	3.54E-04	1.18E-04	-		3.00E+00	U	2.50E+01	No
Methyl Methacrylate	80-62-6	-	-	-	-	-	-	-		7.00E-01	U	2.50E+01	No
Methyl tert-Butyl Ether (MTBE)	1634-04-4	-	-	-	-	-	-	2.60E-07	U	3.00E+00	U	2.50E+01	No
Methylene Chloride	75-09-2	7.43E-01	2.23E-02	2.20E-02	2.20E-10	2.14E-05	3.56E-05	1.00E-08	U	6.00E-01	U	2.50E+01	Mut
Naphthalene	91-20-3	-	-	-	-	-	-	3.40E-05	U	3.00E-03	U	2.50E+01	No
Propylene	115-07-1	1.16E+01	3.48E-01	1.24E-01	-	3.34E-04	1.11E-04	-		3.00E+00	U	2.50E+01	No
Toluene	108-88-3	3.48E+00	1.04E-01	3.72E-02	-	1.00E-04	2.00E-05	-		5.00E+00	U	2.50E+01	No
Trichlorofluoromethane	75-69-4	1.19E+00	-	-	-	-	-	-		-		2.50E+01	No
Sum		-	-	-	*1.59E-07*	-	*3.86E-02*	-		-		-	

Output generated 24MAR2023:12:38:54

Resident Vapor Intrusion Risk - SG10

Chemical	CAS Number	Site Sub-Slab and Exterior Soil Gas Concentration C_{sg} ($\mu g/m^3$)	Site Indoor Air Concentration $C_{i,a}$ ($\mu g/m^3$)	VI Carcinogenic Risk CDI ($\mu g/m^3$)	VI Carcinogenic Risk CR	VI Hazard CDI (mg/m^3)	VI Hazard HQ	IUR ($\mu g/m^3$)$^{-1}$	IUR Ref	Chronic RfC (mg/m^3)	RfC Ref	Temperature (℃) for Groundwater Vapor Concentration	Mutagen?
Acetone	67-64-1	5.01E+01	-	-	-	-	-	-		-		2.50E+01	No
Benzene	71-43-2	1.47E+00	4.41E-02	1.57E-02	1.23E-07	4.23E-05	1.41E-03	7.80E-06	I	3.00E-02	IRIS	2.50E+01	No
Carbon Disulfide	75-15-0	1.88E+00	5.64E-02	2.01E-02	-	5.41E-05	7.73E-05	-		7.00E-01	IRIS	2.50E+01	No
Chloromethane	74-87-3	9.15E-01	2.75E-02	9.78E-03	-	2.63E-05	2.92E-04	-		9.00E-02	IRIS	2.50E+01	No
Cyclohexane	110-82-7	-	-	-	-	-	-	-		6.00E+00	IRIS	2.50E+01	No
Dichlorodifluoromethane	75-71-8	2.12E+00	6.36E-02	2.27E-02	-	6.10E-05	6.10E-04	-		1.00E-01	SCREEN	2.50E+01	No
Ethanol	64-17-5	-	-	-	-	-	-	-		-		2.50E+01	No
Ethylbenzene	100-41-4	8.76E-01	2.63E-02	9.36E-03	2.34E-08	2.52E-05	2.52E-05	2.50E-06	C	1.00E+00	IRIS	2.50E+01	No
Heptane, N-	142-82-5	-	-	-	-	-	-	-		4.00E-01	PPRTV	2.50E+01	No
Hexane, N-	110-54-3	-	-	-	-	-	-	-		7.00E-01	IRIS	2.50E+01	No
Hexanone, 2-	591-78-6	1.35E+01	4.05E-01	1.44E-01	-	3.88E-04	1.29E-02	-		3.00E-02	IRIS	2.50E+01	No
Isopropanol	67-63-0	6.02E+00	1.81E-01	6.43E-02	-	1.73E-04	8.66E-04	-		2.00E-01	PPRTV	2.50E+01	No
Methyl Ethyl Ketone (2-Butanone)	78-93-3	1.40E+01	4.20E-01	1.50E-01	-	4.03E-04	8.05E-05	-		5.00E+00	IRIS	2.50E+01	No
Methyl Isobutyl Ketone (4-methyl-2-pentanone)	108-10-1	5.90E+00	1.77E-01	6.30E-02	-	1.70E-04	5.66E-05	-		3.00E+00	IRIS	2.50E+01	No
Methylene Chloride	75-09-2	-	-	-	-	-	-	1.00E-08	I	6.00E-01	IRIS	2.50E+01	Mut
Propylene	115-07-1	7.04E+00	2.11E-01	7.52E-02	-	2.03E-04	6.75E-05	-		3.00E+00	CALEPA	2.50E+01	No
Tetrahydrofuran	109-99-9	-	-	-	-	-	-	-		2.00E+00	IRIS	2.50E+01	No
Toluene	108-88-3	2.46E+00	7.38E-02	2.63E-02	-	7.08E-05	1.42E-05	-		5.00E+00	IRIS	2.50E+01	No
Trichlorofluoromethane	75-69-4	1.34E+00	-	-	-	-	-	-		-		2.50E+01	No
Trimethylbenzene, 1,2,4-	95-63-6	-	-	-	-	-	-	-		6.00E-02	IRIS	2.50E+01	No
Trimethylbenzene, 1,3,5-	108-67-8	-	-	-	-	-	-	-		6.00E-02	IRIS	2.50E+01	No
Xylenes	1330-20-7	3.40E+00	1.02E-01	3.63E-02	-	9.78E-05	9.78E-04	-		1.00E-01	IRIS	2.50E+01	No
**Sum*		-	-	-	*1.46E-07*	-	*1.74E-02*	-		-		-	

Output generated 10MAR2023:14:06:45

Resident Vapor Intrusion Risk - SG11

Chemical	CAS Number	Site Indoor Air Concentration $C_{i,a}$ ($\mu g/m^3$)	VI Carcinogenic Risk CDI ($\mu g/m^3$)	VI Carcinogenic Risk CR	VI Hazard CDI (mg/m^3)	VI Hazard HQ	IUR $(ug/m^3)^{-1}$	IUR Ref	Chronic RfC (mg/m^3)	RfC Ref	Temperature (°C) for Groundwater Vapor Concentration	Mutagen?
Acetone	67-64-1	-	-	-	-	-	-		-		2.50E+01	No
Benzene	71-43-2	5.22E-02	1.86E-02	1.45E-07	5.01E-05	1.67E-03	7.80E-06	I	3.00E-02	IRIS	2.50E+01	No
Carbon Disulfide	75-15-0	3.09E-02	1.10E-02	-	2.96E-05	4.23E-05	-		7.00E-01	IRIS	2.50E+01	No
Chloromethane	74-87-3	4.05E-02	1.44E-02	-	3.88E-05	4.32E-04	-		9.00E-02	IRIS	2.50E+01	No
Cyclohexane	110-82-7	2.99E-02	1.06E-02	-	2.86E-05	4.77E-06	-		6.00E+00	IRIS	2.50E+01	No
Dichlorodifluoromethane	75-71-8	6.42E-02	2.29E-02	-	6.16E-05	6.16E-04	-		1.00E-01	SCREEN	2.50E+01	No
Ethanol	64-17-5	-	-	-	-	-	-		-		2.50E+01	No
Ethylbenzene	100-41-4	3.63E-02	1.29E-02	3.23E-08	3.48E-05	3.48E-05	2.50E-06	C	1.00E+00	IRIS	2.50E+01	No
Heptane, N-	142-82-5	4.32E-02	1.54E-02	-	4.14E-05	1.04E-04	-		4.00E-01	PPRTV	2.50E+01	No
Hexane, N-	110-54-3	1.08E-01	3.85E-02	-	1.04E-04	1.48E-04	-		7.00E-01	IRIS	2.50E+01	No
Hexanone, 2-	591-78-6	-	-	-	-	-	-		3.00E-02	IRIS	2.50E+01	No
Isopropanol	67-63-0	1.35E+00	4.81E-01	-	1.29E-03	6.47E-03	-		2.00E-01	PPRTV	2.50E+01	No
Methyl Ethyl Ketone (2-Butanone)	78-93-3	-	-	-	-	-	-		5.00E+00	IRIS	2.50E+01	No
Methyl Isobutyl Ketone (4-methyl-2-pentanone)	108-10-1	-	-	-	-	-	-		3.00E+00	IRIS	2.50E+01	No
Methylene Chloride	75-09-2	3.63E-02	3.58E-02	3.58E-10	3.48E-05	5.80E-05	1.00E-08	I	6.00E-01	IRIS	2.50E+01	Mut
Propylene	115-07-1	-	-	-	-	-	-		3.00E+00	CALEPA	2.50E+01	No
Tetrahydrofuran	109-99-9	-	-	-	-	-	-		2.00E+00	IRIS	2.50E+01	No
Toluene	108-88-3	2.45E-01	8.73E-02	-	2.35E-04	4.70E-05	-		5.00E+00	IRIS	2.50E+01	No
Trichlorofluoromethane	75-69-4	-	-	-	-	-	-		-		2.50E+01	No
Trimethylbenzene, 1,2,4-	95-63-6	-	-	-	-	-	-		6.00E-02	IRIS	2.50E+01	No
Trimethylbenzene, 1,3,5-	108-67-8	-	-	-	-	-	-		6.00E-02	IRIS	2.50E+01	No
Xylenes	1330-20-7	-	-	-	-	-	-		1.00E-01	IRIS	2.50E+01	No
*Sum		-	-	*1.78E-07*	-	*9.63E-03*	-		-		-	

Output generated 10MAR2023:14:09:09

Resident Vapor Intrusion Risk - SG12

Chemical	CAS Number	Site Sub-Slab and Exterior Soil Gas Concentration C_{sg} ($\mu g/m^3$)	Site Indoor Air Concentration $C_{i,a}$ ($\mu g/m^3$)	VI Carcinogenic Risk CDI ($\mu g/m^3$)	VI Carcinogenic Risk CR	VI Hazard CDI (mg/m^3)	VI Hazard HQ	IUR (ug/m^3)$^{-1}$	IUR Ref	Chronic RfC (mg/m^3)	RfC Ref	Temperature (℃) for Groundwater Vapor Concentration	Mutagen?
Acetone	67-64-1	3.33E+01	-	-	-	-	-	-		-		2.50E+01	No
Benzene	71-43-2	2.09E+00	6.27E-02	2.23E-02	1.74E-07	6.01E-05	2.00E-03	7.80E-06	I	3.00E-02	IRIS	2.50E+01	No
Carbon Disulfide	75-15-0	9.93E-01	2.98E-02	1.06E-02	-	2.86E-05	4.08E-05	-		7.00E-01	IRIS	2.50E+01	No
Chloromethane	74-87-3	1.12E+00	3.36E-02	1.20E-02	-	3.22E-05	3.58E-04	-		9.00E-02	IRIS	2.50E+01	No
Cyclohexane	110-82-7	-	-	-	-	-	-	-		6.00E+00	IRIS	2.50E+01	No
Dichlorodifluoromethane	75-71-8	1.89E+00	5.67E-02	2.02E-02	-	5.44E-05	5.44E-04	-		1.00E-01	SCREEN	2.50E+01	No
Ethanol	64-17-5	2.56E+00	-	-	-	-	-	-		-		2.50E+01	No
Ethylbenzene	100-41-4	2.38E+00	7.14E-02	2.54E-02	6.36E-08	6.85E-05	6.85E-05	2.50E-06	C	1.00E+00	IRIS	2.50E+01	No
Heptane, N-	142-82-5	9.37E-01	2.81E-02	1.00E-02	-	2.70E-05	6.74E-05	-		4.00E-01	PPRTV	2.50E+01	No
Hexane, N-	110-54-3	-	-	-	-	-	-	-		7.00E-01	IRIS	2.50E+01	No
Hexanone, 2-	591-78-6	1.93E+01	5.79E-01	2.06E-01	-	5.55E-04	1.85E-02	-		3.00E-02	IRIS	2.50E+01	No
Isopropanol	67-63-0	9.17E+00	2.75E-01	9.80E-02	-	2.64E-04	1.32E-03	-		2.00E-01	PPRTV	2.50E+01	No
Methyl Ethyl Ketone (2-Butanone)	78-93-3	1.00E+01	3.00E-01	1.07E-01	-	2.88E-04	5.75E-05	-		5.00E+00	IRIS	2.50E+01	No
Methyl Isobutyl Ketone (4-methyl-2-pentanone)	108-10-1	9.25E+00	2.78E-01	9.88E-02	-	2.66E-04	8.87E-05	-		3.00E+00	IRIS	2.50E+01	No
Methylene Chloride	75-09-2	-	-	-	-	-	-	1.00E-08	I	6.00E-01	IRIS	2.50E+01	Mut
Propylene	115-07-1	4.48E+00	1.34E-01	4.79E-02	-	1.29E-04	4.30E-05	-		3.00E+00	CALEPA	2.50E+01	No
Tetrahydrofuran	109-99-9	-	-	-	-	-	-	-		2.00E+00	IRIS	2.50E+01	No
Toluene	108-88-3	8.10E+00	2.43E-01	8.65E-02	-	2.33E-04	4.66E-05	-		5.00E+00	IRIS	2.50E+01	No
Trichlorofluoromethane	75-69-4	1.44E+00	-	-	-	-	-	-		-		2.50E+01	No
Trimethylbenzene, 1,2,4-	95-63-6	8.05E+00	2.42E-01	8.60E-02	-	2.32E-04	3.86E-03	-		6.00E-02	IRIS	2.50E+01	No
Trimethylbenzene, 1,3,5-	108-67-8	1.93E+00	5.79E-02	2.06E-02	-	5.55E-05	9.25E-04	-		6.00E-02	IRIS	2.50E+01	No
Xylenes	1330-20-7	1.51E+01	4.53E-01	1.61E-01	-	4.34E-04	4.34E-03	-		1.00E-01	IRIS	2.50E+01	No
Sum		-	-	-	*2.38E-07*	-	*3.23E-02*	-		-		-	

Output generated 10MAR2023:14:11:28

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May 15, 2023

Mr. Brian Thomas
PennRose
675 Ponce de Leon Avenue NE, Suite 8500
Atlanta, Georgia 30308

via email: bthomas@pennrose.com

Re: Soil Sampling for Volatile Organic Compounds, Polycyclic Aromatic Hydrocarbons, and Metals
Edgeview at Legends Park, Legends Park, Block A
Memphis, Tennessee

Dear Mr. Thomas,

EnSafe is pleased to submit this report detailing the collection of soil samples on the above-referenced property. The sampling was conducted to determine if volatile organic compounds (VOCs), polycyclic aromatic hydrocarbons (PAHs), and Resource Conservation and Recovery Act 8 metals remained in site soil at concentrations causing human health risks.

Samples were collected in a grid pattern as shown on Figure 1 in Attachment A. Twenty-two surface soil samples (0 to 1 feet below ground surface [bgs]) were collected using hand auger techniques. In the area where soil is being removed for construction (cut), eleven subsurface soil samples were also collected from the 1 to 3-feet, 3 to 4-feet, 4 to 5-feet, and/or 8 to 9-feet interval using hand auger techniques. Soil samples were containerized, labeled, and preserved for submittal under chain-of-custody to Waypoint Analytical in Memphis, Tennessee. Soil samples were analyzed using EPA Method 8260 for VOCs, EPA Method 8270 for PAHs, and EPA Method 6010 for Resource Conservation and Recovery Act 8 metals.

Soil analytical results were compared to the November 2022 U.S. EPA regional screening levels (RSLs) for residential and industrial land use and Tennessee Department of Environment and Conservation (TDEC) Hazardous Trace Elements in Tennessee Soil Background Levels (TDEC 2001). Analytical results are provided in Table 1 in Attachment B. The laboratory analytical reports are provided in Attachment C.

Analytical Results

All detected VOCs were reported below their respective residential and industrial RSLs in the samples collected.

Concentrations of arsenic exceed both residential and industrial RSLs in all of the collected soil samples, except sample location SB43 at 3 to 4 feet which exceeded only the residential RSL. Arsenic concentrations at SB26 at 0-1 feet bgs, SB26 at 1-3 feet bgs, SB28 at 0-1 feet bgs, SB40 at 0-1 feet bgs, SB44 at 0-1 feet bgs, and SB46 at 0-1 feet bgs also exceeded the TDEC

background concentration of 10 milligrams per kilogram (mg/kg). Barium concentrations at SB25 at 1-3 feet bgs, SB28 at 0-1 feet bgs, SB35 at 8-9 feet bgs, and SB44 at 0-1 feet bgs were the only locations to exceed the TDEC background concentration of 144 mg/kg; however, all barium concentrations are below the residential and industrial RSLs. All cadmium concentrations are below the residential and industrial RSLs and TDEC background concentrations, except at SB28 at 0-1 feet bgs which exceeded the residential RSL and TDEC background concentration. Chromium concentrations exceeded the TDEC background concentration of 20 mg/kg at SB28 at 0-1 feet bgs and SB44 at 0-1 feet bgs; however, all chromium concentrations are below the residential and industrial RSLs. Lead concentrations exceeded the TDEC background concentration of 45 mg/kg at SB28 at 0-1 feet bgs, SB29 at 1-3 feet bgs, SB31 at 0-1 feet bgs, and SB41 at 0-1 feet bgs; however, all lead concentrations are below the residential and industrial RSLs. The concentration of mercury at SB28 at 0-1 feet bgs exceeded the TDEC background concentration of 0.18 mg/kg; however, all mercury concentrations are below the residential and industrial RSLs. The elevated metals concentrations appear to be primarily in the surficial soils with the highest concentrations detected in SB28 at 0-1 feet bgs as indicated on Figure 2.

Benzo(a)anthracene exceeded the residential RSL in soil samples collected at SB25 at 0-1 feet bgs, SB42 at 0-1 feet bgs, and SB42 at 1-3 feet bgs. Concentrations of benzo(a)pyrene (BaP) exceeded both residential and industrial RSLs in the soil sample collected from SB25 at 0-1 feet bgs and only the residential RSL in the soil samples collected from SB27 at 0-1 feet bgs, SB28 at 0-1 feet bgs, SB30 at 0-1 feet bgs, SB31 at 0-1 feet bgs, SB34 at 0-1 feet bgs, SB35 at 0-1 feet bgs, SB36 at 0-1 feet bgs, SB36 at 3-4 feet bgs, SB37 0-1 feet bgs, SB38 0-1 feet bgs, SB38 at 1-3 feet bgs, SB40 at 0-1 feet bgs, SB41 0-1 feet bgs, SB42 at 0-1 feet bgs, SB42 at 1-3 feet bgs, and SB43 at 0-1 feet bgs. Benzo(a)fluoranthene concentrations exceeding the residential RSL were collected from soil samples at SB25 at 0-1 feet bgs and SB42 at 1-3 feet bgs. Dibenz(a,h)anthracene concentrations exceed the residential RSL of 0.11 mg/kg at SB25 at 0-1 feet bgs, SB42 at 0-1 feet bgs, and SB42 at 1-3 feet bgs. All indeno(1,2,3-cd)pyrene concentrations are below the residential and industrial RSLs, except at SB25 at 0-1 feet bgs which exceeds the residential RSL. PAHs at the highest concentrations were detected in SB25 at 0-1 feet bgs.

Benzo(a)pyrene Data Evaluation

A comparison of the cumulative toxicity for the suite of detected PAHs was performed because not all PAHs have the same toxicity or ability to cause illness and adverse health effects. The most toxic chemicals in the group are BaP and dibenz(a,h)anthracene. Because they are the most toxic, these PAHs are the standard by which other PAHs are assessed. To provide an overall assessment of the potential risks from the entire class of PAHs, a U.S. EPA-accepted toxicity equivalency factor (TEF) calculation was employed. The concentrations of

Toxicity Equivalence Factors for BaP

Compound	TEF
Benzo(a)pyrene	1
Benzo(a)anthracene	0.1
Benzo(b)fluoranthene	0.1
Benzo(k)fluoranthene	0.01
Chrysene	0.001
Dibenz(a,h)anthracene	1
Indeno(1,2,3-cd)pyrene	0.1

other PAHs measured in the environment are converted to a BaP equivalent concentration based on how toxic they are relative to these two compounds. This is accomplished by multiplying their reported concentrations by their respective TEF values (listed to the right). These converted TEF concentrations are then summed to determine the BaP equivalency (BEQ) concentration for each sample. The BEQ results can then be assessed by comparing the calculated value against the TDEC Division of Remediation-provided residential BEQ soil screening value. The calculated BEQ results are shown on Table 1. The calculation of the residential BEQ screening level was provided by TDEC Division of Remediation via email on May 5, 2023, and is presented in Attachment D.

The BEQ results from the 35 soil samples across the Site were compared to the 1.15 mg/kg residential BEQ screening level. BEQ concentrations exceeded the 1.15 mg/kg screening level in three samples, SB25 from 0 to 1-foot bgs (3.605 mg/kg), SB42 from 0-1-foot bgs (1.681 mg/kg), and SB42 from 1 to 3-feet bgs (2.093 mg/kg). The two locations are shown on Figure 2.

Conclusions and Recommendations

Elevated concentrations have been identified at three locations which are SB28, SB25 and 2B42. This site is a cut fill site (i.e., soil will be moved around the site to adjust site elevations) and the soil can be moved to areas covered by a hardscape or removed from the site. The Soil Management Plan will need to be updated to address these actions as needed.

Respectfully submitted,

EnSafe Inc.

Allison Harris

Allison Harris
Senior Project Manager/Professional Geologist

Attachment A — Figures
Attachment B — Table
Attachment C — Waypoint Analytical Laboratory Reports
Attachment D — TDEC DoR- Benzo(a)Pyrene Equivalency Residential Screening Level Calculation

Attachment A
Figures

INTERSTATE 40E
R.O.W

PEACH AVENUE
(R.O.W VARIES)

42" OAK

36" TREE

15" TREE

C.O.S A
38,470 SF
0.883 AC

C.O.S B
5,749.92 SF
0.132 AC

SB25
SB26
SB27
SB28
SB29
SB30
SB31
SB32
SB33
SB34
SB35
SB36
SB37
SB38
SB39
SB40
SB41
SB42
SB43
SB44
SB45
SB46

MEMPHIS HOUSING
AUTHORITY
SUBDIVISION:
LEGENDS PARK PD PH 5
BLOCK B
PLAT AND BOOK PAGE: 250-024
ZONING: EXEMPT
LAND USE: VACANT LAND

MEMPHIS HOUSING AUTHORITY
SUBDIVISION: LEGENDS PARK
PD PH 5 BLOCK X
PLAT AND BOOK PAGE: 250-024
ZONING: EXEMPT
LAND USE: VACANT LAND

MEMPHIS HOUSING AUTHORITY
SUBDIVISION: LEGENDS PARK
PD PH 1
PLAT AND BOOK PAGE: 249-031
ZONING: EXEMPT
LAND USE: APARTMENT
COMPLEX

MEMPHIS HOUSING AUTHORITY
SUBDIVISION: LEGENDS PARK
PD OUTLINE PLAN
PLAT AND BOOK PAGE: 249-031
ZONING: EXEMPT
LAND USE: APARTMENT
COMPLEX

MEMPHIS HOUSING AUTHORITY
SUBDIVISION: LEGENDS PARK
PD OUTLINE PLAN
PLAT AND BOOK PAGE: 249-031
ZONING: EXEMPT
LAND USE: APARTMENT
COMPLEX

AYERS STREET
(60' R.O.W.)

REDSOX LANE WEST (50' R.O.W.)

REDSOX LANE EAST (50' R.O.W.)

DECATUR STREET
(65' R.O.W.)

DELMAR AVENUE
(60' R.O.W.)

CUT/FILL TABLE

Number	Minimum Elevation	Maximum Elevation	Area	Color	CUT/FILL
1	-8.27	-6.00	0.15		11742.94
2	-6.00	-4.00	0.24		9616.95
3	-4.00	-2.00	0.39		8678.50
4	-2.00	0.00	1.05		6790.08
5	0.00	2.00	1.12		2267.63
6	2.00	4.00	0.23		423.46
7	4.00	6.00	0.07		123.10
8	6.00	6.15	0.00		0.12

LEGEND

- SURFACE (0-1 FT) AND 1-3 FT SAMPLE LOCATION
- SURFACE (0-1 FT) SAMPLE LOCATION ONLY
- SURFACE (0-1 FT) AND 3-4 FT SAMPLE ONLY
- SURFACE (0-1 FT), 4-5 FT, AND 8-9 FT SAMPLE LOCATION

FT FEET

NAD83 STATE PLANE
TENNESSEE FEET

0 20 40

SCALE IN FEET

FIGURE 1
SAMPLE LOCATION MAP
EDGEVIEW AT LEGENDS PARK, BLOCK A
945 PEACH AVENUE
MEMPHIS, TENNESSEE

REQUESTED BY:	GH
DRAWN BY:	KMB
DATE:	4/26/2023
PROJECT:	0888834888

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I:\CAD PROJECTS\Personnel\34888 Legends Park\Plans\34888_R002_SAMPLE_EDGEVIEW_TN.dwg

INTERSTATE 40E
R.O.W

PEACH AVENUE
(R.O.W VARIES)

36" TREE

42" OAK

18" TREE

C.O.S A
38,470 SF
0.883 AC

C.O.S B
5,749.92 SF
0.132 AC

SB25
SB26
SB27
SB28
SB29
SB30
SB31
SB32
SB33
SB34
SB35
SB36
SB37
SB38
SB39
SB40
SB41
SB42
SB43
SB44
SB45
SB46

MEMPHIS HOUSING
AUTHORITY
SUBDIVISION:
LEGENDS PARK PD PH 5
BLOCK B
PLAT AND BOOK PAGE: 250-024
ZONING: EXEMPT
LAND USE: VACANT LAND

MEMPHIS HOUSING AUTHORITY
SUBDIVISION: LEGENDS PARK
PD PH 5 BLOCK X
PLAT AND BOOK PAGE: 250-024
ZONING: EXEMPT
LAND USE: VACANT LAND

MEMPHIS HOUSING AUTHORITY
SUBDIVISION: LEGENDS PARK
PD PH 1
PLAT AND BOOK PAGE: 249-031
ZONING: EXEMPT
LAND USE: APARTMENT
COMPLEX

MEMPHIS HOUSING AUTHORITY
SUBDIVISION: LEGENDS PARK
PD OUTLINE PLAN
PLAT AND BOOK PAGE: 249-031
ZONING: EXEMPT
LAND USE: APARTMENT
COMPLEX

MEMPHIS HOUSING AUTHORITY
SUBDIVISION: LEGENDS PARK
PD OUTLINE PLAN
PLAT AND BOOK PAGE: 249-031
ZONING: EXEMPT
LAND USE: APARTMENT
COMPLEX

AYERS STREET
(60' R.O.W.)

REDSOX LANE WEST (50' R.O.W.)

REDSOX LANE EAST (50' R.O.W.)

DECATUR STREET
(65' R.O.W.)

DELMAR AVENUE
(60' R.O.W.)

CUT/FILL TABLE

Number	Minimum Elevation	Maximum Elevation	Area	Color	CUT/FILL
1	-8.27	-6.00	0.15		11742.94
2	-6.00	-4.00	0.24		9616.95
3	-4.00	-2.00	0.39		8678.50
4	-2.00	0.00	1.05		6790.08
5	0.00	2.00	1.12		2267.63
6	2.00	4.00	0.23		423.46
7	4.00	6.00	0.07		123.10
8	6.00	6.15	0.00		0.12

LEGEND

- SURFACE (0-1 FT) AND 1-3 FT SAMPLE LOCATION
- SURFACE (0-1 FT) SAMPLE LOCATION ONLY
- SURFACE (0-1 FT) AND 3-4 FT SAMPLE ONLY
- SURFACE (0-1 FT), 4-5 FT, AND 8-9 FT SAMPLE LOCATION
- FT FEET
- EXCEEDED THE BEQ SCREENING LEVEL
- EXCEEDED BACKGROUND AND RESIDENTIAL RSL FOR ARSENIC AND CHROMIUM

NAD83 STATE PLANE
TENNESSEE FEET

0 20 40

SCALE IN FEET

FIGURE 2
EXCEEDANCE LOCATIONS IN SOIL
EDGEVIEW AT LEGENDS PARK, BLOCK A
945 PEACH AVENUE
MEMPHIS, TENNESSEE

REQUESTED BY:	AH
DRAWN BY:	KMB
DATE:	5/10/2023
PROJECT:	0888835278

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I:\CAD PROJECTS\Personnel\35278 Legends Park\Plans\35278_R001_SAMPLE_EXCEEDENCE_TN.dwg

Attachment B
Table 1

Table 1
Detected Concentrations in Soil
Edgeview at Legends Park, Block A
Memphis, TN

						Sample Location:	SB25	SB25	SB26	SB26	SB27	SB28	SB29	SB29	SB30	SB31	SB32	SB33	SB33	SB34	SB34	SB34	SB35	SB35	SB35
						Sample ID:	LEGSSB25-01	LEGSSB25-03	LEGSSB26-01	LEGSSB26-03	LEGSSB27-01	LEGSSB28-01	LEGSSB29-01	LEGSSB29-03	LEGSSB30-01	LEGSSB31-01	LEGSSB32-01	LEGSSB33-01	LEGSSB33-03	LEGSSB34-01	LEGSSB34-05	LEGSSB34-09	LEGSSB35-01	LEGSSB35-05	LEGSSB35-09
						Sample Date:	04/20/2023	04/20/2023	04/20/2023	04/20/2023	04/20/2023	04/20/2023	04/20/2023	04/20/2023	04/20/2023	04/20/2023	04/20/2023	04/20/2023	04/20/2023	04/20/2023	04/20/2023	04/20/2023	04/20/2023	04/20/2023	04/20/2023
						Matrix:	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil
						Depth (ft):	1.0	3.0	1.0	3.0	1.0	1.0	1.0	3.0	1.0	1.0	1.0	1.0	3.0	1.0	5.0	9.0	1.0	5.0	9.0
Method	**CAS No.**	**Analyte**	**RSL Industrial Soil (a)**	**RSL Residential Soil (b)**	**TN BKG Value (c)**	**Units**																			
SW6010	7440-38-2	**Arsenic**	**3**	**0.68**	**10**	mg/kg	**7.68 ab**	**9.73 ab**	**10.2 abc**	**10.7 abc**	**8.7 ab**	**31 abc**	**7.75 ab**	**7.13 ab**	**6.76 ab**	**7.58 ab**	**8.19 ab**	**9.47 ab**	**7.84 ab**	**8.97 ab**	**7.62 ab**	**7.27 ab**	**8.38 ab**	**7.09 ab**	**9.82 ab**
SW6010	7440-39-3	**Barium**	22000	1500	**144**	mg/kg	**116**	**147 c**	**135**	**142**	**137**	**357 c**	**117**	**97**	**111**	**131**	**102**	**104**	**122**	**124**	**111**	**141**	**124**	**120**	**145 c**
SW6010	7440-43-9	**Cadmium**	10	**0.71**	**1**	mg/kg	**0.551**	**0.474**	**0.57**	**0.571**	**0.469**	**1.7 bc**	**0.436**	**0.334**	**0.334**	**0.39**	**0.385**	**0.415**	**0.397**	**0.485**	**0.404**	**0.378**	**0.438**	**0.387**	**0.659**
SW6010	7440-47-3	**Chromium**	NE	NE	**20**	mg/kg	**14.4**	**13.6**	**14.6**	**15.7**	**13.7**	**49.1 c**	**15.1**	**14.5**	**15.2**	**13.7**	**15.1**	**15.4**	**13.5**	**14**	**15.2**	**14.6**	**14.6**	**16**	**16.6**
SW6010	7439-92-1	**Lead**	800	400	**45**	mg/kg	**26**	**11.2**	**35.5**	**13.9**	**20.3**	**139 c**	**22.4**	**78 c**	**39.7**	**60.6 c**	**23.3**	**17.4**	**26.9**	**33.3**	**21**	**42.9**	**28.3**	**34.8**	**19.8**
SW6010	7782-49-2	Selenium	580	39	1.2	mg/kg	2.96 U	3.17 U	2.99 U	3.21 U	3.03 U	9.36 U	0.608 U	0.62 U	**0.481 J**	0.598 U	0.628 U	0.6 U	0.609 U	**0.472 J**	0.598 U	0.607 U	0.593 U	0.611 U	0.632 U
SW6010	7440-22-4	Silver	580	39	1.2	mg/kg	0.296 U	0.317 U	0.299 U	0.321 U	0.303 U	0.936 U	1.52 U	1.55 U	1.54 U	1.5 U	1.57 U	1.5 U	1.52 U	1.5 U	1.5 U	1.52 U	1.48 U	1.53 U	1.58 U
SW7471	7439-97-6	**Mercury**	4.6	1.1	**0.18**	mg/kg	**0.0633 J**	**0.0305 J**	**0.0738 J**	**0.0327 J**	**0.0854 J**	**0.333 J c**	**0.125 J**	**0.0811 J**	**0.0924 J**	**0.178 J**	**0.057 J**	**0.0687 J**	**0.076 J**	**0.0957 J**	**0.0825 J**	**0.0735 J**	**0.0848 J**	**0.0651 J**	**0.0508 J**
SW8260	95-63-6	1,2,4-trimethylbenzene	180	30	NE	mg/kg	0.0023 U	0.0025 U	0.0028 U	0.0025 U	0.0024 U	0.0085 U	0.0024 U	0.0024 U	0.0024 U	0.0025 U	0.0025 U	0.0024 U	0.0025 U	0.0024 U	0.0023 U	0.0028 U	0.0023 U	0.0024 U	**0.0026**
SW8260	78-93-3	2-Butanone (MEK)	19000	2700	NE	mg/kg	**0.0057 J**	**0.0073 J**	**0.0274 J**	**0.0088 J**	**0.0177 J**	**0.0636 J**	**0.0104 J**	0.0496 U	**0.0197 J**	**0.0064 J**	**0.007 J**	**0.0064 J**	**0.0174 J**	**0.011 J**	0.0479 U	**0.0054 J**	**0.014 J**	0.0489 U	**0.0051 J**
SW8260	67-64-1	Acetone	110000	7000	NE	mg/kg	**0.0762**	**0.0557**	**0.204**	**0.0577**	**0.23**	**0.581**	**0.106**	**0.0419 J**	**0.171**	**0.0919**	**0.111**	**0.0773**	**0.175**	**0.111**	**0.0411 J**	**0.0619**	**0.157**	**0.0354 J**	**0.0461 J**
SW8260	71-43-2	Benzene	5.1	1.2	NE	mg/kg	0.0023 U	0.0025 U	0.0028 U	0.0025 U	0.0024 U	0.0085 U	0.0024 U	0.0024 U	0.0024 U	0.0025 U	0.0025 U	0.0024 U	0.0025 U	0.0024 U	0.0023 U	0.0028 U	0.0023 U	0.0024 U	**0.005**
SW8260	75-15-0	Carbon disulfide	350	77	NE	mg/kg	0.0118 U	0.0126 U	0.0143 U	0.0128 U	0.0121 U	**0.0265 J**	**0.0107 J**	**0.0107 J**	**0.0088 J**	**0.0188**	**0.0462**	**0.0154**	**0.0144**	**0.0164**	**0.0259**	0.014 U	**0.0194**	**0.0071 J**	**0.0085 J**
SW8260	100-41-4	Ethylbenzene	25	5.8	NE	mg/kg	0.0023 U	0.0025 U	0.0028 U	0.0025 U	0.0024 U	0.0085 U	0.0024 U	0.0024 U	0.0024 U	0.0025 U	0.0025 U	0.0024 U	0.0025 U	0.0024 U	0.0023 U	0.0028 U	0.0023 U	0.0024 U	**0.0042**
SW8260	179601-23-1	m,p-Xylene	NE	NE	NE	mg/kg	0.0047 U	0.005 U	0.0057 U	0.0051 U	0.0048 U	0.0171 U	0.0048 U	0.0049 U	0.0049 U	0.005 U	0.005 U	0.0048 U	0.0051 U	0.0048 U	0.0047 U	0.0056 U	0.0047 U	0.0048 U	**0.0047 J**
SW8260	95-47-6	o-Xylene	280	64	NE	mg/kg	0.0023 U	0.0025 U	0.0028 U	0.0025 U	0.0024 U	0.0085 U	0.0024 U	0.0024 U	0.0024 U	0.0025 U	0.0025 U	0.0024 U	0.0025 U	0.0024 U	0.0023 U	0.0028 U	0.0023 U	0.0024 U	**0.0017 J**
SW8260	135-98-8	sec-Butylbenzene	12000	780	NE	mg/kg	0.0023 U	0.0025 U	0.0028 U	0.0025 U	0.0024 U	0.0085 U	0.0024 U	0.0024 U	0.0024 U	0.0025 U	0.0025 U	0.0024 U	0.0025 U	0.0024 U	0.0023 U	0.0028 U	0.0023 U	0.0024 U	0.0025 U
SW8260	108-88-3	Toluene	4700	490	NE	mg/kg	0.0047 U	0.005 U	0.0057 U	0.0051 U	0.0048 U	0.0171 U	0.0048 U	0.0049 U	0.0049 U	0.005 U	0.005 U	0.0048 U	0.0051 U	0.0048 U	0.0047 U	0.0056 U	0.0047 U	0.0048 U	**0.0104**
SW8260	1330-20-7	Xylene (Total)	250	58	NE	mg/kg	0.0023 U	0.0025 U	0.0028 U	0.0025 U	0.0024 U	0.0085 U	0.0024 U	0.0024 U	0.0024 U	0.0025 U	0.0025 U	0.0024 U	0.0025 U	0.0024 U	0.0023 U	0.0028 U	0.0023 U	0.0024 U	**0.0064 J**
SW8270SIM	91-57-6	2-Methylnaphthalene	300	24	NE	mg/kg	**0.14**	0.00255 U	**0.00914**	0.00258 U	**0.00719**	**0.019**	**0.00299**	0.00249 U	**0.00604**	**0.0222**	**0.0026**	**0.00315**	0.00245 U	**0.00623**	**0.00375**	**0.00614**	**0.00929**	**0.00349**	0.00254 U
SW8270SIM	83-32-9	Acenaphthene	4500	360	NE	mg/kg	**0.755**	**0.000396 J**	**0.00417**	0.00086 U	**0.0706**	**0.0106**	**0.00105**	**0.00144**	**0.00566**	**0.0473**	**0.0033**	**0.00615**	**0.00205**	**0.00776**	**0.00526**	**0.0055**	**0.0105**	**0.00255**	**0.00265**
SW8270SIM	208-96-8	Acenaphthylene	NE	NE	NE	mg/kg	**0.0185**	0.000849 U	**0.00321**	**0.003**	**0.00759**	**0.021**	**0.00585**	**0.00387**	**0.0154**	**0.0273**	**0.0187**	**0.0104**	**0.00297**	**0.00863**	**0.00381**	**0.00896**	**0.0129**	**0.0137**	**0.00295**
SW8270SIM	120-12-7	Anthracene	23000	1800	NE	mg/kg	**1.35**	**0.00103**	**0.0112**	**0.00121**	**0.144**	**0.0369**	**0.00792**	**0.00715**	**0.0262**	**0.141**	**0.0174**	**0.0156**	**0.00749**	**0.0625**	**0.017**	**0.0157**	**0.0278**	**0.0132**	**0.00713**
SW8270SIM	56-55-3	**Benzo(a)anthracene**	21	**1.1**	NE	mg/kg	**3.14 b**	**0.0052**	**0.0855**	**0.0175**	**0.424**	**0.286**	**0.0572**	**0.0675**	**0.188**	**0.462**	**0.0888**	**0.0884**	**0.0508**	**0.56**	**0.0857**	**0.0961**	**0.156**	**0.0755**	**0.043**
SW8270SIM	50-32-8	**Benzo(a)pyrene**	**2.1**	**0.11**	NE	mg/kg	**2.46 ab**	**0.00545**	**0.0859**	**0.0189**	**0.415 b**	**0.309 b**	**0.0644**	**0.0747**	**0.183 b**	**0.402 b**	**0.103**	**0.103**	**0.048**	**0.603 b**	**0.0756**	**0.0966**	**0.151 b**	**0.0911**	**0.044**
SW8270SIM	205-99-2	**Benzo(b)fluoranthene**	21	**1.1**	NE	mg/kg	**3.4 b**	**0.00728**	**0.0999**	**0.0198**	**0.473**	**0.349**	**0.0864**	**0.0814**	**0.178**	**0.237**	**0.106**	**0.109**	**0.0519**	**0.509**	**0.0796**	**0.0722**	**0.159**	**0.0853**	**0.0496**
SW8270SIM	191-24-2	Benzo(g,h,i)perylene	NE	NE	NE	mg/kg	**1.23**	**0.00285**	**0.0484**	**0.00902**	**0.206**	**0.175**	**0.0415**	**0.0388**	**0.0973**	**0.214**	**0.0536**	**0.0551**	**0.0273**	**0.237**	**0.0401**	**0.053**	**0.091**	**0.0559**	**0.0271**
SW8270SIM	207-08-9	Benzo(k)fluoranthene	210	11	NE	mg/kg	**1.01**	**0.00275**	**0.0295**	**0.0094**	**0.162**	**0.128**	**0.0308**	**0.0258**	**0.0638**	**0.106**	**0.0319**	**0.039**	**0.0195**	**0.207**	**0.0244**	**0.0315**	**0.0539**	**0.0246**	**0.0206**
SW8270SIM	218-01-9	Chrysene	2100	110	NE	mg/kg	**3.29**	**0.00544**	**0.0889**	**0.0173**	**0.436**	**0.323**	**0.058**	**0.0685**	**0.186**	**0.386**	**0.0818**	**0.125**	**0.0501**	**0.581**	**0.0835**	**0.0915**	**0.144**	**0.0814**	**0.0455**
SW8270SIM	53-70-3	**Dibenz(a,h)anthracene**	2.1	**0.11**	NE	mg/kg	**0.349 b**	**0.000825 J**	**0.0116**	**0.00214**	**0.0484**	**0.0314**	**0.00925**	**0.00702**	**0.0233**	**0.024**	**0.016**	**0.0118**	**0.00647**	**0.0659**	**0.0105**	**0.0111**	**0.023**	**0.0131**	**0.00588**
SW8270SIM	206-44-0	Fluoranthene	3000	240	NE	mg/kg	**6.88**	**0.0127**	**0.148**	**0.0356**	**1.02**	**0.502**	**0.104**	**0.141**	**0.327**	**0.83**	**0.132**	**0.209**	**0.095**	**0.687**	**0.172**	**0.163**	**0.251**	**0.143**	**0.0949**
SW8270SIM	86-73-7	Fluorene	3000	240	NE	mg/kg	**0.66**	**0.000581 J**	**0.00306**	0.00086 U	**0.0719**	**0.0122**	**0.00147**	**0.00159**	**0.00779**	**0.0689**	**0.00366**	**0.00729**	**0.00207**	**0.00968**	**0.00505**	**0.0071**	**0.0125**	**0.00348**	**0.00241**
SW8270SIM	193-39-5	**Indeno(1,2,3-cd)pyrene**	21	**1.1**	NE	mg/kg	**1.29 b**	**0.00286**	**0.0427**	**0.00849**	**0.192**	**0.165**	**0.0358**	**0.0378**	**0.0953**	**0.183**	**0.0535**	**0.0519**	**0.0213**	**0.236**	**0.0396**	**0.0516**	**0.0869**	**0.0558**	**0.0233**
SW8270SIM	91-20-3	Naphthalene	8.6	2	NE	mg/kg	**0.446**	0.00255 U	**0.00556**	0.00258 U	**0.0116**	**0.0125**	**0.00255**	0.00249 U	**0.00545**	**0.0169**	**0.00223 J**	**0.00251**	**0.00188 J**	**0.00451**	**0.00271**	**0.00442**	**0.00721**	**0.00306**	0.00254 U
SW8270SIM	85-01-8	Phenanthrene	NE	NE	NE	mg/kg	**6.28**	**0.00777**	**0.0822**	**0.00873**	**0.795**	**0.282**	**0.0453**	**0.0457**	**0.152**	**0.782**	**0.075**	**0.161**	**0.048**	**0.325**	**0.0914**	**0.0843**	**0.151**	**0.0739**	**0.0512**
SW8270SIM	129-00-0	Pyrene	2300	180	NE	mg/kg	**4.9**	**0.00973**	**0.133**	**0.0313**	**0.662**	**0.254**	**0.099**	**0.12**	**0.267**	**0.638**	**0.109**	**0.191**	**0.0764**	**0.578**	**0.152**	**0.141**	**0.179**	**0.114**	**0.0798**
		Benzo(a)pyrene equivalency		1.15*	NE	mg/kg	3.605	0.008	0.121	0.026	0.574	0.422	0.092	0.101	0.253	0.516	0.144	0.140	0.067	0.802	0.107	0.130	0.215	0.126	0.062

Notes:

CAS No. = Chemical Abstracts Service number

ft = feet

NE = Not Established

RSL Residential Soil = US EPA Regional Screening level (RSL) HQ=0.1 for Residential Soil (November 2022)

RSL Industrial Soil = US EPA Regional Screening level (RSL) HQ=0.1 for Industrial Soil (November 2022)

TN BKG Value = Tennessee soil background value

J = Estimated value

U = Non-Detect

Bold = Detected Value

Shaded/Bold = exceeds screening value

a = exceeds RSL Industrial Soil

b = exceeds RSL Residential Soil

c = exceeds TN BKG Value

* = Tennessee Department Environment and Conservation Benzo(a)pyrene Equivalency (BEQ) Screening Level for residential land use provided via email on May 5, 2023.

Red exceeds BEQ for residential use of 1.15 mg/kg.

Relative Potency Factors for Carcinogenic Polycyclic Aromatic Hydrocarbons

Compound	RPF
Benzo(a)pyrene	1
Benz(a)anthracene	0.1
Benzo(b)fluoranthene	0.1
Benzo(k)fluoranthene	0.01
Chrysene	0.001
Dibenz(a,h)anthracene	1
Indeno(1,2,3-c,d)pyrene	0.1

Table 1
Detected Concentrations in Soil
Edgeview at Legends Park, Block A
Memphis, TN

						Sample Location:	SB36	SB36	SB37	SB38	SB38	SB39	SB40	SB41	SB42	SB42	SB43	SB43	SB44	SB45	SB46	SB46
						Sample ID:	LEGSSB36-01	LEGSSB36-04	LEGSSB37-01	LEGSSB38-01	LEGSSB38-03	LEGSSB39-01	LEGSSB40-01	LEGSSB41-01	LEGSSB42-01	LEGSSB42-03	LEGSSB43-01	LEGSSB43-04	LEGSSB44-01	LEGSSB45-01	LEGSSB46-01	LEGSSB46-03
						Sample Date:	04/20/2023	04/20/2023	04/20/2023	04/20/2023	04/20/2023	04/20/2023	04/20/2023	04/20/2023	04/20/2023	04/20/2023	04/20/2023	04/20/2023	04/20/2023	04/20/2023	04/20/2023	04/20/2023
						Matrix:	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil
						Depth (ft):	1.0	4.0	1.0	1.0	3.0	1.0	1.0	1.0	1.0	3.0	1.0	4.0	1.0	1.0	1.0	3.0
Method	**CAS No.**	**Analyte**	**RSL Industrial Soil (a)**	**RSL Residential Soil (b)**	**TN BKG Value (c)**	**Units**																
SW6010	7440-38-2	**Arsenic**	**3**	**0.68**	**10**	mg/kg	**9.16 ab**	**8.22 ab**	**8.7 ab**	**8.1 ab**	**8.03 ab**	**8.79 ab**	**11.6 abc**	**9.05 ab**	**6.94 ab**	**6.39 ab**	**9.64 ab**	**2.79 J b**	**11.2 abc**	**9.83 ab**	**11.8 abc**	**9.23 ab**
SW6010	7440-39-3	**Barium**	22000	1500	**144**	mg/kg	**114**	**114**	**122**	**118**	**127**	**115**	**110**	**116**	**111**	**113**	**127**	**106**	**175 c**	**126**	**130**	**111**
SW6010	7440-43-9	**Cadmium**	10	**0.71**	**1**	mg/kg	**0.404**	**0.345**	**0.395**	**0.422**	**0.434**	**0.543**	**0.369**	**0.541**	**0.445**	**0.151 J**	**0.215 J**	0.591 U	**0.149 J**	**0.255 J**	**0.21 J**	**0.211 J**
SW6010	7440-47-3	**Chromium**	NE	NE	**20**	mg/kg	**14.4**	**13.4**	**14.3**	**14.9**	**15.7**	**15.3**	**14.5**	**14**	**13.4**	**17.2**	**15.4**	**19.3**	**20.5 c**	**16.8**	**15.2**	**15.5**
SW6010	7439-92-1	**Lead**	800	400	**45**	mg/kg	**40.6**	**37.3**	**33.4**	**31**	**25**	**24.9**	**31.2**	**51 c**	**26.2**	**17.7**	**22.6**	**9.85**	**28.9**	**12.9**	**36.3**	**10.5**
SW6010	7782-49-2	Selenium	580	39	1.2	mg/kg	0.678 U	0.684 U	0.642 U	0.587 U	0.58 U	0.584 U	**0.462 J**	3.05 U	3 U	3.02 U	2.96 U	2.96 U	3.13 U	3 U	2.9 U	3.12 U
SW6010	7440-22-4	Silver	580	39	1.2	mg/kg	1.7 U	1.71 U	1.61 U	1.47 U	1.45 U	1.46 U	1.51 U	0.305 U	0.3 U	1.51 U	1.48 U	1.48 U	1.56 U	1.5 U	1.45 U	1.56 U
SW7471	7439-97-6	**Mercury**	4.6	1.1	**0.18**	mg/kg	**0.0905 J**	**0.134 J**	**0.123 J**	**0.0914 J**	**0.0944 J**	**0.0799 J**	**0.0998 J**	**0.156 J**	**0.0948 J**	**0.0714 J**	**0.0671 J**	0.216 U	**0.0587 J**	**0.0397 J**	**0.0334 J**	0.216 U
SW8260	95-63-6	1,2,4-trimethylbenzene	180	30	NE	mg/kg	**0.0014 J**	**0.0033 J**	**0.0011 J**	0.0023 U	**0.0013 J**	**0.0015 J**	**0.0011 J**	0.0024 U	**0.001 J**	**0.0013 J**	0.0023 U	0.0023 U	0.0025 U	0.0024 U	0.0023 U	0.0024 U
SW8260	78-93-3	2-Butanone (MEK)	19000	2700	NE	mg/kg	**0.016 J**	**0.0101 J**	**0.0122 J**	**0.0094 J**	**0.0066 J**	**0.0107 J**	**0.0174 J**	**0.032 J**	**0.0202 J**	**0.0095 J**	**0.0358 J**	0.0472 U	**0.0245 J**	**0.0491**	**0.0405 J**	**0.0407 J**
SW8260	67-64-1	Acetone	110000	7000	NE	mg/kg	**0.185**	**0.121**	**0.157**	**0.116**	**0.0694**	**0.117**	**0.18**	**0.34**	**0.242**	**0.0891**	**0.356**	**0.0243 J**	**0.342**	**0.436**	**0.338**	**0.257**
SW8260	71-43-2	Benzene	5.1	1.2	NE	mg/kg	**0.0035**	**0.0058**	**0.0024 J**	**0.0021 J**	**0.0025**	**0.0032**	**0.0027**	**0.0025**	**0.001 J**	0.0024 U	0.0023 U	**0.001 J**	0.0025 U	**0.0011 J**	**0.0006 J**	0.0024 U
SW8260	75-15-0	Carbon disulfide	350	77	NE	mg/kg	**0.0358**	**0.016 J**	**0.0132**	**0.0128**	**0.0106 J**	**0.0337**	**0.0094 J**	**0.0147**	**0.0047 J**	**0.0043 J**	**0.0053 J**	**0.0055 J**	0.0125 U	0.012 U	0.0115 U	0.0124 U
SW8260	100-41-4	Ethylbenzene	25	5.8	NE	mg/kg	**0.0021 J**	**0.0043**	**0.0016 J**	**0.0012 J**	**0.002 J**	**0.0025**	**0.0019 J**	**0.0015 J**	**0.001 J**	**0.0022 J**	**0.0009 J**	**0.0008 J**	0.0025 U	0.0024 U	0.0023 U	0.0024 U
SW8260	179601-23-1	m,p-Xylene	NE	NE	NE	mg/kg	**0.0024 J**	**0.005 J**	**0.0019 J**	0.0047 U	**0.0023 J**	**0.003 J**	**0.0022 J**	0.0048 U	0.0048 U	**0.0025 J**	0.0047 U	0.0047 U	0.005 U	0.0048 U	0.0046 U	0.0049 U
SW8260	95-47-6	o-Xylene	280	64	NE	mg/kg	0.0027 U	**0.0021 J**	0.0025 U	0.0023 U	**0.0009 J**	**0.0011 J**	0.0024 U	0.0024 U	0.0024 U	**0.0009 J**	0.0023 U	0.0023 U	0.0025 U	0.0024 U	0.0023 U	0.0024 U
SW8260	135-98-8	sec-Butylbenzene	12000	780	NE	mg/kg	0.0027 U	0.0034 U	0.0025 U	0.0023 U	0.0023 U	0.0024 U	0.0024 U	0.0024 U	0.0024 U	0.0024 U	0.0023 U	0.0023 U	0.0025 U	0.0024 U	0.0023 U	**0.0064**
SW8260	108-88-3	Toluene	4700	490	NE	mg/kg	**0.0061**	**0.0103**	**0.0044 J**	**0.0039 J**	**0.0049**	**0.0067**	**0.005**	**0.0046 J**	0.0048 U	**0.0056**	0.0047 U	0.0047 U	0.005 U	0.0048 U	0.0046 U	0.0049 U
SW8260	1330-20-7	Xylene (Total)	250	58	NE	mg/kg	**0.0024 J**	**0.0071 J**	**0.0019 J**	0.0023 U	**0.0032 J**	**0.0041 J**	**0.0022 J**	0.0024 U	0.0024 U	**0.0035 J**	0.0023 U	0.0023 U	0.0025 U	0.0024 U	0.0023 U	0.0024 U
SW8270SIM	91-57-6	2-Methylnaphthalene	300	24	NE	mg/kg	**0.00383**	**0.00334**	**0.00477**	**0.00488**	**0.00861**	**0.00383**	**0.0041**	**0.00612**	**0.023**	**0.0729**	**0.0023 J**	0.00238 U	0.00252 U	0.00242 U	0.00233 U	0.00251 U
SW8270SIM	83-32-9	Acenaphthene	4500	360	NE	mg/kg	**0.00716**	**0.00407**	**0.0207**	**0.0152**	**0.0307**	**0.00518**	**0.0089**	**0.0167**	**0.196**	**0.158**	**0.0118**	**0.00349**	**0.00317**	**0.00226**	**0.00329**	0.000835 U
SW8270SIM	208-96-8	Acenaphthylene	NE	NE	NE	mg/kg	**0.00815**	**0.0132**	**0.00838**	**0.00576**	**0.00829**	**0.00648**	**0.0124**	**0.016**	**0.0109**	**0.0165**	**0.00516**	**0.000678 J**	**0.00114**	**0.00389**	**0.00159**	0.000835 U
SW8270SIM	120-12-7	Anthracene	23000	1800	NE	mg/kg	**0.0316**	**0.0174**	**0.0465**	**0.0474**	**0.0715**	**0.0168**	**0.0254**	**0.0534**	**0.373**	**0.434**	**0.0343**	**0.0126**	**0.0138**	**0.00933**	**0.00874**	0.000835 U
SW8270SIM	56-55-3	**Benzo(a)anthracene**	21	**1.1**	NE	mg/kg	**0.202**	**0.142**	**0.175**	**0.173**	**0.17**	**0.0952**	**0.133**	**0.24**	**1.18 b**	**1.76 b**	**0.195**	**0.0423**	**0.0867**	**0.0865**	**0.0574**	**0.00278**
SW8270SIM	50-32-8	**Benzo(a)pyrene**	**2.1**	**0.11**	NE	mg/kg	**0.198 b**	**0.167 b**	**0.17 b**	**0.155 b**	**0.151 b**	**0.0912**	**0.129 b**	**0.246 b**	**1.21 b**	**1.5 b**	**0.199 b**	**0.033**	**0.0775**	**0.0916**	**0.0516**	**0.00312**
SW8270SIM	205-99-2	**Benzo(b)fluoranthene**	21	**1.1**	NE	mg/kg	**0.227**	**0.163**	**0.159**	**0.157**	**0.145**	**0.0918**	**0.124**	**0.165**	**0.727**	**1.2 b**	**0.169**	**0.035**	**0.0819**	**0.096**	**0.0579**	**0.0032**
SW8270SIM	191-24-2	Benzo(g,h,i)perylene	NE	NE	NE	mg/kg	**0.104**	**0.114**	**0.0774**	**0.0861**	**0.0808**	**0.0493**	**0.0751**	**0.143**	**0.55**	**0.557**	**0.0957**	**0.017**	**0.0417**	**0.0513**	**0.0293**	**0.00278**
SW8270SIM	207-08-9	Benzo(k)fluoranthene	210	11	NE	mg/kg	**0.0783**	**0.126**	**0.0734**	**0.064**	**0.0973**	**0.0525**	**0.0655**	**0.157**	**0.598**	**0.484**	**0.0973**	**0.0141**	**0.0339**	**0.0334**	**0.0222**	**0.00103**
SW8270SIM	218-01-9	Chrysene	2100	110	NE	mg/kg	**0.191**	**0.137**	**0.183**	**0.153**	**0.167**	**0.0897**	**0.122**	**0.249**	**1.08**	**1.63**	**0.208**	**0.0364**	**0.0807**	**0.0837**	**0.053**	**0.00262**
SW8270SIM	53-70-3	**Dibenz(a,h)anthracene**	2.1	**0.11**	NE	mg/kg	**0.0252**	**0.0393**	**0.0321**	**0.0322**	**0.0321**	**0.0188**	**0.0272**	**0.054**	**0.224 b**	**0.244 b**	**0.0391**	**0.00704**	**0.017**	**0.019**	**0.0109**	0.000835 U
SW8270SIM	206-44-0	Fluoranthene	3000	240	NE	mg/kg	**0.392**	**0.219**	**0.343**	**0.316**	**0.336**	**0.178**	**0.257**	**0.465**	**2.35**	**3.1**	**0.373**	**0.0765**	**0.146**	**0.149**	**0.103**	**0.00535**
SW8270SIM	86-73-7	Fluorene	3000	240	NE	mg/kg	**0.00689**	**0.00482**	**0.0207**	**0.0182**	**0.038**	**0.00553**	**0.00873**	**0.0206**	**0.187**	**0.182**	**0.011**	**0.00463**	**0.00303**	**0.00207**	**0.0025**	0.000835 U
SW8270SIM	193-39-5	**Indeno(1,2,3-cd)pyrene**	21	**1.1**	NE	mg/kg	**0.102**	**0.135**	**0.108**	**0.107**	**0.105**	**0.0658**	**0.0966**	**0.166**	**0.492**	**0.461**	**0.113**	**0.0252**	**0.0626**	**0.0633**	**0.0465**	**0.00262**
SW8270SIM	91-20-3	Naphthalene	8.6	2	NE	mg/kg	**0.00322**	**0.00305**	**0.0065**	**0.00636**	**0.00885**	**0.00271**	**0.00412**	**0.00537**	**0.0145**	**0.139**	**0.00213 J**	0.00238 U	0.00252 U	0.00242 U	0.00233 U	0.00251 U
SW8270SIM	85-01-8	Phenanthrene	NE	NE	NE	mg/kg	**0.168**	**0.0816**	**0.244**	**0.197**	**0.26**	**0.0867**	**0.149**	**0.244**	**1.69**	**2.57**	**0.178**	**0.0498**	**0.0613**	**0.0476**	**0.0431**	**0.00206**
SW8270SIM	129-00-0	Pyrene	2300	180	NE	mg/kg	**0.312**	**0.19**	**0.267**	**0.241**	**0.246**	**0.138**	**0.206**	**0.283**	**1.78**	**2.44**	**0.279**	**0.0573**	**0.105**	**0.111**	**0.0773**	**0.00399**
		Benzo(a)pyrene equivalency		1.15*	NE	mg/kg	0.277	0.252	0.247	0.232	0.226	0.136	0.192	0.359	1.681	2.093	0.287	0.050	0.118	0.136	0.079	0.005

Notes:

CAS No. = Chemical Abstracts Service number

ft = feet

NE = Not Established

RSL Residential Soil = US EPA Regional Screening level (RSL) HQ=0.1 for Residential Soil (November 2022)

RSL Industrial Soil = US EPA Regional Screening level (RSL) HQ=0.1 for Industrial Soil (November 2022)

TN BKG Value = Tennessee soil background value

J = Estimated value

U = Non-Detect

Bold = Detected Value

Shaded/Bold = exceeds screening value

a = exceeds RSL Industrial Soil

b = exceeds RSL Residential Soil

c = exceeds TN BKG Value

* = Tennessee Department Environment and Conservation Benzo(a)pyrene Equivalency (BEQ) Screening Level for residential land use provided via email on May 5, 2023.

Red exceeds BEQ for residential use of 1.15 mg/kg.

Relative Potency Factors for Carcinogenic Polycyclic Aromatic Hydrocarbons

Compound	RPF
Benzo(a)pyrene	1
Benz(a)anthracene	0.1
Benzo(b)fluoranthene	0.1
Benzo(k)fluoranthene	0.01
Chrysene	0.001
Dibenz(a,h)anthracene	1
Indeno(1,2,3-c,d)pyrene	0.1

Attachment C
Waypoint Analytical Reports

Waypoint ANALYTICAL

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4/26/2023

Ensafe
Ms. Allison Harris
5724 Summer Tree Drive
Memphis, TN, 38134

Ref: Analytical Testing
Lab Report Number: 23-111-0041
Client Project Description: Legends Park
198 N. Pauline-Memphis, TN
Project No. 0888834617

Dear Ms. Allison Harris:
Waypoint Analytical, LLC. received sample(s) on 4/20/2023 for the analyses presented in the following report.

The above referenced project has been analyzed per your instructions. The analyses were performed in accordance with the applicable analytical method. Where the laboratory was not responsible for the sampling stage (refer to the chain of custody) results apply to the sample as received.

The analytical data has been validated using standard quality control measures performed as required by the analytical method. Quality Assurance, method validations, instrumentation maintenance and calibration for all parameters (NELAP and non-NELAP) were performed in accordance with guidelines established by the USEPA (including 40 CFR 136 Method Update Rule May 2021) and NELAC unless otherwise indicated. Any parameter for which the laboratory is not officially NELAP accredited is indicated by a '~' symbol. These are not included in the scope because NELAP accreditation is either not available or has not been applied for. Additional certifications may be held/are available for parameters, where NELAP accreditation is not required or applicable. A full list of certifications is available upon request.

Certain parameters (chlorine, pH, dissolved oxygen, sulfite...) are required to be analyzed within 15 minutes of sampling. Usually, but not always, any field parameter analyzed at the laboratory is outside of this holding time. Refer to sample analysis time for confirmation of holding time compliance.

The results are shown on the attached Report of Analysis(s). Results for solid matrices are reported on an as-received basis unless otherwise indicated. This report shall not be reproduced except in full and relates only to the samples included in this report.

Please do not hesitate to contact me or client services if you have any questions or need additional information.

Sincerely,

Rebekah Ross

Rebekah Ross
Project Manager

Laboratory's liability in any claim relating to analyses performed shall be limited to, at laboratory's option, repeating the analysis in question at laboratory's expense, or the refund of the charges paid for performance of said analysis.

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Certification Summary

Laboratory ID: WP MTN: Waypoint Analytical, LLC., Memphis, TN

State	Program	Lab ID	Expiration Date
Alabama	State Program	40750	02/29/2024
Arkansas	State Program	88-0650	02/07/2024
California	State Program	2904	06/30/2023
Florida	State Program - NELAP	E871157	06/30/2023
Georgia	State Program	C044	11/14/2025
Georgia	State Program	04015	06/30/2023
Illinois	State Program - NELAP	200078	10/10/2023
Kentucky	State Program	80215	06/30/2023
Kentucky	State Program	KY90047	12/31/2023
Louisiana	State Program - NELAP	LA037	12/31/2023
Louisiana	State Program - NELAP	04015	06/30/2023
Mississippi	State Program	MS	11/14/2025
North Carolina	State Program	47701	07/31/2023
North Carolina	State Program	415	12/31/2023
Pennsylvania	State Program - NELAP	68-03195	05/31/2024
South Carolina	State Program	84002	06/30/2023
Tennessee	State Program	02027	11/14/2025
Texas	State Program - NELAP	T104704180	09/30/2023
Virginia	State Program	00106	06/30/2023
Virginia	State Program - NELAP	460181	09/14/2023

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Sample Summary Table

Report Number: **23-111-0041**

Client Project Description: **Legends Park**
198 N. Pauline-Memphis, TN
Project No. 0888834617

Lab No	Client Sample ID	Matrix	Date Collected	Date Received
81022	LEGSSB25-01	Solids	04/20/2023 09:20	04/20/2023
81023	LEGSSB25-03	Solids	04/20/2023 09:30	04/20/2023
81024	LEGSSB26-01	Solids	04/20/2023 09:37	04/20/2023
81025	LEGSSB26-03	Solids	04/20/2023 09:45	04/20/2023
81026	LEGSSB27-01	Solids	04/20/2023 09:57	04/20/2023
81027	LEGSSB28-01	Solids	04/20/2023 10:00	04/20/2023
81028	LEGSSB29-01	Solids	04/20/2023 10:28	04/20/2023
81029	LEGSSB29-03	Solids	04/20/2023 10:32	04/20/2023
81030	LEGSSB30-01	Solids	04/20/2023 10:45	04/20/2023
81031	LEGSSB31-01	Solids	04/20/2023 10:51	04/20/2023
81032	LEGSSB32-01	Solids	04/20/2023 11:02	04/20/2023
81033	LEGSSB33-01	Solids	04/20/2023 11:17	04/20/2023
81034	LEGSSB33-03	Solids	04/20/2023 11:21	04/20/2023
81035	LEGSSB34-01	Solids	04/20/2023 11:40	04/20/2023
81036	LEGSSB34-05	Solids	04/20/2023 11:46	04/20/2023
81037	LEGSSB34-09	Solids	04/20/2023 11:59	04/20/2023
81038	LEGSSB35-01	Solids	04/20/2023 12:15	04/20/2023
81039	LEGSSB35-05	Solids	04/20/2023 12:25	04/20/2023
81040	LEGSSB35-09	Solids	04/20/2023 12:38	04/20/2023
81041	LEGSSB36-01	Solids	04/20/2023 12:52	04/20/2023
81042	LEGSSB36-04	Solids	04/20/2023 13:00	04/20/2023
81043	LEGSSB37-01	Solids	04/20/2023 13:15	04/20/2023
81044	LEGSSB38-01	Solids	04/20/2023 13:33	04/20/2023
81045	LEGSSB38-03	Solids	04/20/2023 13:38	04/20/2023
81046	LEGSSB39-01	Solids	04/20/2023 13:46	04/20/2023
81047	LEGSSB40-01	Solids	04/20/2023 13:54	04/20/2023

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Sample Summary Table

Report Number: **23-111-0041**

Client Project Description: **Legends Park**
198 N. Pauline-Memphis, TN
Project No. 0888834617

Lab No	Client Sample ID	Matrix	Date Collected	Date Received
81048	LEGSSB41-01	Solids	04/20/2023 13:57	04/20/2023
81049	LEGSSB43-01	Solids	04/20/2023 14:21	04/20/2023
81050	LEGSSB42-01	Solids	04/20/2023 14:28	04/20/2023
81051	LEGSSB42-03	Solids	04/20/2023 14:30	04/20/2023
81052	LEGSSB43-04	Solids	04/20/2023 14:34	04/20/2023
81053	LEGSSB44-01	Solids	04/20/2023 14:57	04/20/2023
81054	LEGSSB45-01	Solids	04/20/2023 15:00	04/20/2023
81055	LEGSSB46-01	Solids	04/20/2023 15:15	04/20/2023
81056	LEGSSB46-03	Solids	04/20/2023 15:21	04/20/2023

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Client: Ensafe
Project: Legends Park
Lab Report Number: 23-111-0041
Date: 4/26/2023

CASE NARRATIVE

Semivolatile Organic Compounds - GC/MS (SIM) Method 8270D SIM
Sample 81022 (LEGSSB25-01)
QC Batch No: L677852/L677721
The sample was diluted due to the nature of the sample matrix. Reporting limits have been adjusted accordingly.

Sample 81022 (LEGSSB25-01)
QC Batch No: L677852/L677721
Matrix spike/matrix spike duplicate recoveries are outside of control limits. Acceptable LCS recovery indicates the system was in control, but the reported result could be affected by matrix interference.

Sample 81026 (LEGSSB27-01)
QC Batch No: L677852/L677721
The sample was diluted due to the nature of the sample matrix. Reporting limits have been adjusted accordingly.

Sample 81031 (LEGSSB31-01)
QC Batch No: L677852/L677721
The sample was diluted due to the nature of the sample matrix. Reporting limits have been adjusted accordingly.

Sample 81035 (LEGSSB34-01)
QC Batch No: L677852/L677721
The sample was diluted due to the nature of the sample matrix. Reporting limits have been adjusted accordingly.

Sample 81050 (LEGSSB42-01)
QC Batch No: L677866/L677722
The sample was diluted due to the nature of the sample matrix. Reporting limits have been adjusted accordingly.

Sample 81051 (LEGSSB42-03)
QC Batch No: L677866/L677722
The sample was diluted due to the nature of the sample matrix. Reporting limits have been adjusted accordingly.

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03180
Ensafe
Ms. Allison Harris
5724 Summer Tree Drive
Memphis , TN 38134

Project Legends Park

Information : 198 N. Pauline-Memphis, TN
Project No. 0888834617

Report Date : 04/26/2023
Received : 04/20/2023

Rebekah Ross
Project Manager

Report Number : **23-111-0041**

REPORT OF ANALYSIS

Lab No : **81022**
Sample ID : **LEGSSB25-01**

Matrix: **Solids**
Sampled: **4/20/2023 9:20**

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Method
Moisture	**15.5**	%			1	04/24/23 16:25	JLS	SW-DRYWT

Qualifiers/ Definitions				
	DF	Dilution Factor	J	Estimated value
	MQL	Method Quantitation Limit		

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Ensafe
Ms. Allison Harris
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Project Legends Park

Information : 198 N. Pauline-Memphis, TN
Project No. 0888834617

Report Date : 04/26/2023
Received : 04/20/2023

Rebekah Ross
Project Manager

Report Number : **23-111-0041**

REPORT OF ANALYSIS

Lab No : **81022**
Sample ID : **LEGSSB25-01**

Matrix: **Solids**
Sampled: **4/20/2023 9:20**

Analytical Method: 8270D SIM **Prep Batch(es):** **L677721** 04/23/23 07:20
Prep Method: 3550B

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Batch
Acenaphthene	**0.755**	mg/Kg - dry	0.00180	0.00396	5	04/23/23 22:59	VBW	L677852
Acenaphthylene	**0.0185**	mg/Kg - dry	0.00160	0.00396	5	04/23/23 22:59	VBW	L677852
Anthracene	**1.35**	mg/Kg - dry	0.00198	0.00396	5	04/23/23 22:59	VBW	L677852
Benzo(a)anthracene	**3.14**	mg/Kg - dry	0.00292	0.00396	5	04/23/23 22:59	VBW	L677852
Benzo(a)pyrene	**2.46**	mg/Kg - dry	0.0111	0.0159	20	04/25/23 01:50	VBW	L677852
Benzo(b)fluoranthene	**3.40**	mg/Kg - dry	0.00347	0.00396	5	04/23/23 22:59	VBW	L677852
Benzo(g,h,i)perylene	**1.23**	mg/Kg - dry	0.00379	0.00396	5	04/23/23 22:59	VBW	L677852
Benzo(k)fluoranthene	**1.01**	mg/Kg - dry	0.00259	0.00396	5	04/23/23 22:59	VBW	L677852
Chrysene	**3.29**	mg/Kg - dry	0.00369	0.00396	5	04/23/23 22:59	VBW	L677852
Dibenz(a,h)anthracene	**0.349**	mg/Kg - dry	0.00363	0.00396	5	04/23/23 22:59	VBW	L677852
Fluoranthene	**6.88**	mg/Kg - dry	0.00933	0.0159	20	04/25/23 01:50	VBW	L677852
Fluorene	**0.660**	mg/Kg - dry	0.00169	0.00396	5	04/23/23 22:59	VBW	L677852
Indeno(1,2,3-cd)pyrene	**1.29**	mg/Kg - dry	0.00372	0.00396	5	04/23/23 22:59	VBW	L677852
2-Methylnaphthalene	**0.140**	mg/Kg - dry	0.0115	0.0120	5	04/23/23 22:59	VBW	L677852
Naphthalene	**0.446**	mg/Kg - dry	0.00864	0.0120	5	04/23/23 22:59	VBW	L677852
Phenanthrene	**6.28**	mg/Kg - dry	0.00996	0.0159	20	04/25/23 01:50	VBW	L677852
Pyrene	**4.90**	mg/Kg - dry	0.0153	0.0159	20	04/25/23 01:50	VBW	L677852
Surrogate: 2-Fluorobiphenyl	55.2			Limits: 33-115%	5	04/23/23 22:59	VBW	L677852
Surrogate: Nitrobenzene-d5	47.0			Limits: 29-110%	5	04/23/23 22:59	VBW	L677852
Surrogate: 4-Terphenyl-d14	56.7			Limits: 33-122%	5	04/23/23 22:59	VBW	L677852

Qualifiers/ Definitions

DF Dilution Factor
MQL Method Quantitation Limit
J Estimated value

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Project Legends Park

Information : 198 N. Pauline-Memphis, TN
Project No. 0888834617

Report Date : 04/26/2023
Received : 04/20/2023

Rebekah Ross
Project Manager

Report Number : **23-111-0041**

REPORT OF ANALYSIS

Lab No : **81023**
Sample ID : **LEGSSB25-03**

Matrix: **Solids**
Sampled: **4/20/2023 9:30**

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Method
Moisture	**21.1**	%			1	04/24/23 16:25	JLS	SW-DRYWT

Qualifiers/ Definitions	DF	Dilution Factor	J	Estimated value
	MQL	Method Quantitation Limit		

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Report Date : 04/26/2023
Received : 04/20/2023

Rebekah Ross
Project Manager

Report Number : **23-111-0041**

REPORT OF ANALYSIS

Lab No : **81023**
Sample ID : **LEGSSB25-03**

Matrix: **Solids**
Sampled: **4/20/2023 9:30**

Analytical Method: 8270D SIM **Prep Batch(es):** **L677721** 04/23/23 07:20
Prep Method: 3550B

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Batch
Acenaphthene	**0.000396 J**	mg/Kg - dry	0.000385	0.000849	1	04/23/23 18:58	VBW	L677852
Acenaphthylene	<0.000342	mg/Kg - dry	0.000342	0.000849	1	04/23/23 18:58	VBW	L677852
Anthracene	**0.00103**	mg/Kg - dry	0.000423	0.000849	1	04/23/23 18:58	VBW	L677852
Benzo(a)anthracene	**0.00520**	mg/Kg - dry	0.000624	0.000849	1	04/23/23 18:58	VBW	L677852
Benzo(a)pyrene	**0.00545**	mg/Kg - dry	0.000593	0.000849	1	04/23/23 18:58	VBW	L677852
Benzo(b)fluoranthene	**0.00728**	mg/Kg - dry	0.000741	0.000849	1	04/23/23 18:58	VBW	L677852
Benzo(g,h,i)perylene	**0.00285**	mg/Kg - dry	0.000809	0.000849	1	04/23/23 18:58	VBW	L677852
Benzo(k)fluoranthene	**0.00275**	mg/Kg - dry	0.000553	0.000849	1	04/23/23 18:58	VBW	L677852
Chrysene	**0.00544**	mg/Kg - dry	0.000790	0.000849	1	04/23/23 18:58	VBW	L677852
Dibenz(a,h)anthracene	**0.000825 J**	mg/Kg - dry	0.000778	0.000849	1	04/23/23 18:58	VBW	L677852
Fluoranthene	**0.0127**	mg/Kg - dry	0.000499	0.000849	1	04/23/23 18:58	VBW	L677852
Fluorene	**0.000581 J**	mg/Kg - dry	0.000362	0.000849	1	04/23/23 18:58	VBW	L677852
Indeno(1,2,3-cd)pyrene	**0.00286**	mg/Kg - dry	0.000794	0.000849	1	04/23/23 18:58	VBW	L677852
2-Methylnaphthalene	<0.00246	mg/Kg - dry	0.00246	0.00255	1	04/23/23 18:58	VBW	L677852
Naphthalene	<0.00184	mg/Kg - dry	0.00184	0.00255	1	04/23/23 18:58	VBW	L677852
Phenanthrene	**0.00777**	mg/Kg - dry	0.000533	0.000849	1	04/23/23 18:58	VBW	L677852
Pyrene	**0.00973**	mg/Kg - dry	0.000814	0.000849	1	04/23/23 18:58	VBW	L677852
Surrogate: 2-Fluorobiphenyl	64.7	Limits: 33-115%			1	04/23/23 18:58	VBW	L677852
Surrogate: Nitrobenzene-d5	61.4	Limits: 29-110%			1	04/23/23 18:58	VBW	L677852
Surrogate: 4-Terphenyl-d14	66.3	Limits: 33-122%			1	04/23/23 18:58	VBW	L677852

Qualifiers/ Definitions

DF Dilution Factor
MQL Method Quantitation Limit
J Estimated value

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Information : 198 N. Pauline-Memphis, TN
Project No. 0888834617

Report Date : 04/26/2023
Received : 04/20/2023

Rebekah Ross
Project Manager

Report Number : **23-111-0041**

REPORT OF ANALYSIS

Lab No : **81024**
Sample ID : **LEGSSB26-01**

Matrix: **Solids**
Sampled: **4/20/2023 9:37**

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Method
Moisture	**16.3**	%			1	04/24/23 16:25	JLS	SW-DRYWT

Qualifiers/ Definitions

DF Dilution Factor
MQL Method Quantitation Limit
J Estimated value

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Report Date : 04/26/2023
Received : 04/20/2023

Rebekah Ross
Project Manager

Report Number : **23-111-0041**

REPORT OF ANALYSIS

Lab No : **81024**
Sample ID : **LEGSSB26-01**

Matrix: **Solids**
Sampled: **4/20/2023 9:37**

Analytical Method: 8270D SIM **Prep Batch(es):** **L677721** 04/23/23 07:20
Prep Method: 3550B

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Batch
Acenaphthene	**0.00417**	mg/Kg - dry	0.000363	0.000800	1	04/23/23 19:14	VBW	L677852
Acenaphthylene	**0.00321**	mg/Kg - dry	0.000322	0.000800	1	04/23/23 19:14	VBW	L677852
Anthracene	**0.0112**	mg/Kg - dry	0.000399	0.000800	1	04/23/23 19:14	VBW	L677852
Benzo(a)anthracene	**0.0855**	mg/Kg - dry	0.000589	0.000800	1	04/23/23 19:14	VBW	L677852
Benzo(a)pyrene	**0.0859**	mg/Kg - dry	0.000559	0.000800	1	04/23/23 19:14	VBW	L677852
Benzo(b)fluoranthene	**0.0999**	mg/Kg - dry	0.000698	0.000800	1	04/23/23 19:14	VBW	L677852
Benzo(g,h,i)perylene	**0.0484**	mg/Kg - dry	0.000763	0.000800	1	04/23/23 19:14	VBW	L677852
Benzo(k)fluoranthene	**0.0295**	mg/Kg - dry	0.000522	0.000800	1	04/23/23 19:14	VBW	L677852
Chrysene	**0.0889**	mg/Kg - dry	0.000745	0.000800	1	04/23/23 19:14	VBW	L677852
Dibenz(a,h)anthracene	**0.0116**	mg/Kg - dry	0.000733	0.000800	1	04/23/23 19:14	VBW	L677852
Fluoranthene	**0.148**	mg/Kg - dry	0.000470	0.000800	1	04/23/23 19:14	VBW	L677852
Fluorene	**0.00306**	mg/Kg - dry	0.000341	0.000800	1	04/23/23 19:14	VBW	L677852
Indeno(1,2,3-cd)pyrene	**0.0427**	mg/Kg - dry	0.000749	0.000800	1	04/23/23 19:14	VBW	L677852
2-Methylnaphthalene	**0.00914**	mg/Kg - dry	0.00232	0.00240	1	04/23/23 19:14	VBW	L677852
Naphthalene	**0.00556**	mg/Kg - dry	0.00173	0.00240	1	04/23/23 19:14	VBW	L677852
Phenanthrene	**0.0822**	mg/Kg - dry	0.000502	0.000800	1	04/23/23 19:14	VBW	L677852
Pyrene	**0.133**	mg/Kg - dry	0.000768	0.000800	1	04/23/23 19:14	VBW	L677852
Surrogate: 2-Fluorobiphenyl	54.7		Limits: 33-115%		1	04/23/23 19:14	VBW	L677852
Surrogate: Nitrobenzene-d5	50.2		Limits: 29-110%		1	04/23/23 19:14	VBW	L677852
Surrogate: 4-Terphenyl-d14	53.2		Limits: 33-122%		1	04/23/23 19:14	VBW	L677852

Qualifiers/ Definitions
DF Dilution Factor
MQL Method Quantitation Limit
J Estimated value

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Information : 198 N. Pauline-Memphis, TN
Project No. 0888834617

Report Date : 04/26/2023
Received : 04/20/2023

Rebekah Ross
Project Manager

Report Number : **23-111-0041**

REPORT OF ANALYSIS

Lab No : **81025**
Sample ID : **LEGSSB26-03**

Matrix: **Solids**
Sampled: **4/20/2023 9:45**

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Method
Moisture	**22.1**	%			1	04/24/23 16:25	JLS	SW-DRYWT

Qualifiers/ Definitions

DF Dilution Factor
MQL Method Quantitation Limit
J Estimated value

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Report Date : 04/26/2023
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Rebekah Ross
Project Manager

Report Number : **23-111-0041**

REPORT OF ANALYSIS

Lab No : **81025**
Sample ID : **LEGSSB26-03**

Matrix: **Solids**
Sampled: **4/20/2023 9:45**

Analytical Method: 8270D SIM **Prep Batch(es):** **L677721** 04/23/23 07:20
Prep Method: 3550B

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Batch
Acenaphthene	<0.000390	mg/Kg - dry	0.000390	0.000860	1	04/23/23 19:30	VBW	L677852
Acenaphthylene	**0.00300**	mg/Kg - dry	0.000346	0.000860	1	04/23/23 19:30	VBW	L677852
Anthracene	**0.00121**	mg/Kg - dry	0.000428	0.000860	1	04/23/23 19:30	VBW	L677852
Benzo(a)anthracene	**0.0175**	mg/Kg - dry	0.000632	0.000860	1	04/23/23 19:30	VBW	L677852
Benzo(a)pyrene	**0.0189**	mg/Kg - dry	0.000600	0.000860	1	04/23/23 19:30	VBW	L677852
Benzo(b)fluoranthene	**0.0198**	mg/Kg - dry	0.000750	0.000860	1	04/23/23 19:30	VBW	L677852
Benzo(g,h,i)perylene	**0.00902**	mg/Kg - dry	0.000820	0.000860	1	04/23/23 19:30	VBW	L677852
Benzo(k)fluoranthene	**0.00940**	mg/Kg - dry	0.000560	0.000860	1	04/23/23 19:30	VBW	L677852
Chrysene	**0.0173**	mg/Kg - dry	0.000801	0.000860	1	04/23/23 19:30	VBW	L677852
Dibenz(a,h)anthracene	**0.00214**	mg/Kg - dry	0.000788	0.000860	1	04/23/23 19:30	VBW	L677852
Fluoranthene	**0.0356**	mg/Kg - dry	0.000505	0.000860	1	04/23/23 19:30	VBW	L677852
Fluorene	<0.000367	mg/Kg - dry	0.000367	0.000860	1	04/23/23 19:30	VBW	L677852
Indeno(1,2,3-cd)pyrene	**0.00849**	mg/Kg - dry	0.000804	0.000860	1	04/23/23 19:30	VBW	L677852
2-Methylnaphthalene	<0.00249	mg/Kg - dry	0.00249	0.00258	1	04/23/23 19:30	VBW	L677852
Naphthalene	<0.00186	mg/Kg - dry	0.00186	0.00258	1	04/23/23 19:30	VBW	L677852
Phenanthrene	**0.00873**	mg/Kg - dry	0.000540	0.000860	1	04/23/23 19:30	VBW	L677852
Pyrene	**0.0313**	mg/Kg - dry	0.000825	0.000860	1	04/23/23 19:30	VBW	L677852
Surrogate: 2-Fluorobiphenyl	52.9		Limits: 33-115%		1	04/23/23 19:30	VBW	L677852
Surrogate: Nitrobenzene-d5	52.9		Limits: 29-110%		1	04/23/23 19:30	VBW	L677852
Surrogate: 4-Terphenyl-d14	70.1		Limits: 33-122%		1	04/23/23 19:30	VBW	L677852

Qualifiers/ Definitions

DF Dilution Factor
MQL Method Quantitation Limit
J Estimated value

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Project No. 0888834617

Report Date : 04/26/2023
Received : 04/20/2023

Rebekah Ross
Project Manager

Report Number : **23-111-0041**

REPORT OF ANALYSIS

Lab No : **81026**
Sample ID : **LEGSSB27-01**

Matrix: **Solids**
Sampled: **4/20/2023 9:57**

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Method
Moisture	**17.4**	%			1	04/24/23 16:25	JLS	SW-DRYWT

Qualifiers/ Definitions				
	DF	Dilution Factor	J	Estimated value
	MQL	Method Quantitation Limit		

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Report Date : 04/26/2023
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Rebekah Ross
Project Manager

Report Number : **23-111-0041**

REPORT OF ANALYSIS

Lab No : **81026**
Sample ID : **LEGSSB27-01**

Matrix: **Solids**
Sampled: **4/20/2023 9:57**

Analytical Method: 8270D SIM **Prep Batch(es):** **L677721** 04/23/23 07:20
Prep Method: 3550B

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Batch
Acenaphthene	**0.0706**	mg/Kg - dry	0.000368	0.000811	1	04/23/23 19:47	VBW	L677852
Acenaphthylene	**0.00759**	mg/Kg - dry	0.000326	0.000811	1	04/23/23 19:47	VBW	L677852
Anthracene	**0.144**	mg/Kg - dry	0.000404	0.000811	1	04/23/23 19:47	VBW	L677852
Benzo(a)anthracene	**0.424**	mg/Kg - dry	0.000596	0.000811	1	04/23/23 19:47	VBW	L677852
Benzo(a)pyrene	**0.415**	mg/Kg - dry	0.00283	0.00406	5	04/25/23 01:18	VBW	L677852
Benzo(b)fluoranthene	**0.473**	mg/Kg - dry	0.000708	0.000811	1	04/23/23 19:47	VBW	L677852
Benzo(g,h,i)perylene	**0.206**	mg/Kg - dry	0.000773	0.000811	1	04/23/23 19:47	VBW	L677852
Benzo(k)fluoranthene	**0.162**	mg/Kg - dry	0.000529	0.000811	1	04/23/23 19:47	VBW	L677852
Chrysene	**0.436**	mg/Kg - dry	0.000755	0.000811	1	04/23/23 19:47	VBW	L677852
Dibenz(a,h)anthracene	**0.0484**	mg/Kg - dry	0.000743	0.000811	1	04/23/23 19:47	VBW	L677852
Fluoranthene	**1.02**	mg/Kg - dry	0.00238	0.00406	5	04/25/23 01:18	VBW	L677852
Fluorene	**0.0719**	mg/Kg - dry	0.000346	0.000811	1	04/23/23 19:47	VBW	L677852
Indeno(1,2,3-cd)pyrene	**0.192**	mg/Kg - dry	0.000759	0.000811	1	04/23/23 19:47	VBW	L677852
2-Methylnaphthalene	**0.00719**	mg/Kg - dry	0.00235	0.00243	1	04/23/23 19:47	VBW	L677852
Naphthalene	**0.0116**	mg/Kg - dry	0.00176	0.00243	1	04/23/23 19:47	VBW	L677852
Phenanthrene	**0.795**	mg/Kg - dry	0.00255	0.00406	5	04/25/23 01:18	VBW	L677852
Pyrene	**0.662**	mg/Kg - dry	0.000778	0.000811	1	04/23/23 19:47	VBW	L677852
Surrogate: 2-Fluorobiphenyl	57.2	Limits: 33-115%			1	04/23/23 19:47	VBW	L677852
Surrogate: Nitrobenzene-d5	56.9	Limits: 29-110%			1	04/23/23 19:47	VBW	L677852
Surrogate: 4-Terphenyl-d14	59.6	Limits: 33-122%			1	04/23/23 19:47	VBW	L677852

Qualifiers/ Definitions
DF Dilution Factor
MQL Method Quantitation Limit
J Estimated value

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Information : 198 N. Pauline-Memphis, TN
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Report Date : 04/26/2023
Received : 04/20/2023

Rebekah Ross
Project Manager

Report Number : **23-111-0041**

REPORT OF ANALYSIS

Lab No : **81027**
Sample ID : **LEGSSB28-01**

Matrix: **Solids**
Sampled: **4/20/2023 10:00**

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Method
Moisture	**73.3**	%			1	04/24/23 16:25	JLS	SW-DRYWT

Qualifiers/ Definitions

DF Dilution Factor
MQL Method Quantitation Limit
J Estimated value

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Report Date : 04/26/2023
Received : 04/20/2023

Rebekah Ross
Project Manager

Report Number : **23-111-0041**

REPORT OF ANALYSIS

Lab No : **81027**
Sample ID : **LEGSSB28-01**

Matrix: **Solids**
Sampled: **4/20/2023 10:00**

Analytical Method: 8270D SIM **Prep Batch(es):** **L677721** 04/23/23 07:20
Prep Method: 3550B

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Batch
Acenaphthene	**0.0106**	mg/Kg - dry	0.00114	0.00251	1	04/23/23 20:03	VBW	L677852
Acenaphthylene	**0.0210**	mg/Kg - dry	0.00101	0.00251	1	04/23/23 20:03	VBW	L677852
Anthracene	**0.0369**	mg/Kg - dry	0.00125	0.00251	1	04/23/23 20:03	VBW	L677852
Benzo(a)anthracene	**0.286**	mg/Kg - dry	0.00185	0.00251	1	04/23/23 20:03	VBW	L677852
Benzo(a)pyrene	**0.309**	mg/Kg - dry	0.00175	0.00251	1	04/23/23 20:03	VBW	L677852
Benzo(b)fluoranthene	**0.349**	mg/Kg - dry	0.00219	0.00251	1	04/23/23 20:03	VBW	L677852
Benzo(g,h,i)perylene	**0.175**	mg/Kg - dry	0.00239	0.00251	1	04/23/23 20:03	VBW	L677852
Benzo(k)fluoranthene	**0.128**	mg/Kg - dry	0.00164	0.00251	1	04/23/23 20:03	VBW	L677852
Chrysene	**0.323**	mg/Kg - dry	0.00234	0.00251	1	04/23/23 20:03	VBW	L677852
Dibenz(a,h)anthracene	**0.0314**	mg/Kg - dry	0.00230	0.00251	1	04/23/23 20:03	VBW	L677852
Fluoranthene	**0.502**	mg/Kg - dry	0.00148	0.00251	1	04/23/23 20:03	VBW	L677852
Fluorene	**0.0122**	mg/Kg - dry	0.00107	0.00251	1	04/23/23 20:03	VBW	L677852
Indeno(1,2,3-cd)pyrene	**0.165**	mg/Kg - dry	0.00235	0.00251	1	04/23/23 20:03	VBW	L677852
2-Methylnaphthalene	**0.0190**	mg/Kg - dry	0.00727	0.00753	1	04/23/23 20:03	VBW	L677852
Naphthalene	**0.0125**	mg/Kg - dry	0.00543	0.00753	1	04/23/23 20:03	VBW	L677852
Phenanthrene	**0.282**	mg/Kg - dry	0.00158	0.00251	1	04/23/23 20:03	VBW	L677852
Pyrene	**0.254**	mg/Kg - dry	0.00241	0.00251	1	04/23/23 20:03	VBW	L677852
Surrogate: 2-Fluorobiphenyl	45.3			Limits: 33-115%	1	04/23/23 20:03	VBW	L677852
Surrogate: Nitrobenzene-d5	42.3			Limits: 29-110%	1	04/23/23 20:03	VBW	L677852
Surrogate: 4-Terphenyl-d14	44.4			Limits: 33-122%	1	04/23/23 20:03	VBW	L677852

Qualifiers/ Definitions
DF Dilution Factor
MQL Method Quantitation Limit
J Estimated value

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Project Legends Park

Information : 198 N. Pauline-Memphis, TN
Project No. 0888834617

Report Date : 04/26/2023
Received : 04/20/2023

Rebekah Ross
Project Manager

Report Number : **23-111-0041**

REPORT OF ANALYSIS

Lab No : **81028**
Sample ID : **LEGSSB29-01**

Matrix: **Solids**
Sampled: **4/20/2023 10:28**

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Method
Moisture	**17.8**	%			1	04/24/23 16:25	JLS	SW-DRYWT

Qualifiers/ Definitions

DF Dilution Factor
MQL Method Quantitation Limit
J Estimated value

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Rebekah Ross
Project Manager

Report Number : **23-111-0041**

REPORT OF ANALYSIS

Lab No : **81028**
Sample ID : **LEGSSB29-01**

Matrix: **Solids**
Sampled: **4/20/2023 10:28**

Analytical Method: 8270D SIM **Prep Batch(es):** **L677721** 04/23/23 07:20
Prep Method: 3550B

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Batch
Acenaphthene	**0.00105**	mg/Kg - dry	0.000369	0.000815	1	04/23/23 17:54	VBW	L677852
Acenaphthylene	**0.00585**	mg/Kg - dry	0.000328	0.000815	1	04/23/23 17:54	VBW	L677852
Anthracene	**0.00792**	mg/Kg - dry	0.000406	0.000815	1	04/23/23 17:54	VBW	L677852
Benzo(a)anthracene	**0.0572**	mg/Kg - dry	0.000599	0.000815	1	04/23/23 17:54	VBW	L677852
Benzo(a)pyrene	**0.0644**	mg/Kg - dry	0.000569	0.000815	1	04/23/23 17:54	VBW	L677852
Benzo(b)fluoranthene	**0.0864**	mg/Kg - dry	0.000711	0.000815	1	04/23/23 17:54	VBW	L677852
Benzo(g,h,i)perylene	**0.0415**	mg/Kg - dry	0.000777	0.000815	1	04/23/23 17:54	VBW	L677852
Benzo(k)fluoranthene	**0.0308**	mg/Kg - dry	0.000531	0.000815	1	04/23/23 17:54	VBW	L677852
Chrysene	**0.0580**	mg/Kg - dry	0.000759	0.000815	1	04/23/23 17:54	VBW	L677852
Dibenz(a,h)anthracene	**0.00925**	mg/Kg - dry	0.000746	0.000815	1	04/23/23 17:54	VBW	L677852
Fluoranthene	**0.104**	mg/Kg - dry	0.000479	0.000815	1	04/23/23 17:54	VBW	L677852
Fluorene	**0.00147**	mg/Kg - dry	0.000347	0.000815	1	04/23/23 17:54	VBW	L677852
Indeno(1,2,3-cd)pyrene	**0.0358**	mg/Kg - dry	0.000762	0.000815	1	04/23/23 17:54	VBW	L677852
2-Methylnaphthalene	**0.00299**	mg/Kg - dry	0.00236	0.00245	1	04/23/23 17:54	VBW	L677852
Naphthalene	**0.00255**	mg/Kg - dry	0.00176	0.00245	1	04/23/23 17:54	VBW	L677852
Phenanthrene	**0.0453**	mg/Kg - dry	0.000512	0.000815	1	04/23/23 17:54	VBW	L677852
Pyrene	**0.0990**	mg/Kg - dry	0.000782	0.000815	1	04/23/23 17:54	VBW	L677852
Surrogate: 2-Fluorobiphenyl	50.0		Limits: 33-115%		1	04/23/23 17:54	VBW	L677852
Surrogate: Nitrobenzene-d5	50.0		Limits: 29-110%		1	04/23/23 17:54	VBW	L677852
Surrogate: 4-Terphenyl-d14	50.3		Limits: 33-122%		1	04/23/23 17:54	VBW	L677852

Qualifiers/ Definitions

DF Dilution Factor
MQL Method Quantitation Limit
J Estimated value

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Report Date : 04/26/2023
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Rebekah Ross
Project Manager

Report Number : **23-111-0041**

REPORT OF ANALYSIS

Lab No : **81029**
Sample ID : **LEGSSB29-03**

Matrix: **Solids**
Sampled: **4/20/2023 10:32**

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Method
Moisture	**19.4**	%			1	04/24/23 16:25	JLS	SW-DRYWT

Qualifiers/ Definitions				
	DF	Dilution Factor	J	Estimated value
	MQL	Method Quantitation Limit		

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Report Date : 04/26/2023
Received : 04/20/2023

Rebekah Ross
Project Manager

Report Number : **23-111-0041**

REPORT OF ANALYSIS

Lab No : **81029**
Sample ID : **LEGSSB29-03**

Matrix: **Solids**
Sampled: **4/20/2023 10:32**

Analytical Method: 8270D SIM **Prep Batch(es):** **L677721** 04/23/23 07:20
Prep Method: 3550B

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Batch
Acenaphthene	**0.00144**	mg/Kg - dry	0.000377	0.000831	1	04/23/23 20:19	VBW	L677852
Acenaphthylene	**0.00387**	mg/Kg - dry	0.000334	0.000831	1	04/23/23 20:19	VBW	L677852
Anthracene	**0.00715**	mg/Kg - dry	0.000414	0.000831	1	04/23/23 20:19	VBW	L677852
Benzo(a)anthracene	**0.0675**	mg/Kg - dry	0.000611	0.000831	1	04/23/23 20:19	VBW	L677852
Benzo(a)pyrene	**0.0747**	mg/Kg - dry	0.000580	0.000831	1	04/23/23 20:19	VBW	L677852
Benzo(b)fluoranthene	**0.0814**	mg/Kg - dry	0.000725	0.000831	1	04/23/23 20:19	VBW	L677852
Benzo(g,h,i)perylene	**0.0388**	mg/Kg - dry	0.000792	0.000831	1	04/23/23 20:19	VBW	L677852
Benzo(k)fluoranthene	**0.0258**	mg/Kg - dry	0.000542	0.000831	1	04/23/23 20:19	VBW	L677852
Chrysene	**0.0685**	mg/Kg - dry	0.000774	0.000831	1	04/23/23 20:19	VBW	L677852
Dibenz(a,h)anthracene	**0.00702**	mg/Kg - dry	0.000761	0.000831	1	04/23/23 20:19	VBW	L677852
Fluoranthene	**0.141**	mg/Kg - dry	0.000488	0.000831	1	04/23/23 20:19	VBW	L677852
Fluorene	**0.00159**	mg/Kg - dry	0.000354	0.000831	1	04/23/23 20:19	VBW	L677852
Indeno(1,2,3-cd)pyrene	**0.0378**	mg/Kg - dry	0.000777	0.000831	1	04/23/23 20:19	VBW	L677852
2-Methylnaphthalene	<0.00241	mg/Kg - dry	0.00241	0.00249	1	04/23/23 20:19	VBW	L677852
Naphthalene	<0.00180	mg/Kg - dry	0.00180	0.00249	1	04/23/23 20:19	VBW	L677852
Phenanthrene	**0.0457**	mg/Kg - dry	0.000522	0.000831	1	04/23/23 20:19	VBW	L677852
Pyrene	**0.120**	mg/Kg - dry	0.000797	0.000831	1	04/23/23 20:19	VBW	L677852
Surrogate: 2-Fluorobiphenyl	52.9	Limits: 33-115%			1	04/23/23 20:19	VBW	L677852
Surrogate: Nitrobenzene-d5	53.5	Limits: 29-110%			1	04/23/23 20:19	VBW	L677852
Surrogate: 4-Terphenyl-d14	71.7	Limits: 33-122%			1	04/23/23 20:19	VBW	L677852

Qualifiers/ Definitions
DF Dilution Factor
MQL Method Quantitation Limit
J Estimated value

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Information : 198 N. Pauline-Memphis, TN
Project No. 0888834617

Report Date : 04/26/2023
Received : 04/20/2023

Rebekah Ross
Project Manager

Report Number : **23-111-0041**

REPORT OF ANALYSIS

Lab No : **81030**
Sample ID : **LEGSSB30-01**

Matrix: **Solids**
Sampled: **4/20/2023 10:45**

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Method
Moisture	**18.6**	%			1	04/24/23 16:25	JLS	SW-DRYWT

Qualifiers/ Definitions	DF	Dilution Factor	J	Estimated value
	MQL	Method Quantitation Limit		

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Report Date : 04/26/2023
Received : 04/20/2023

Rebekah Ross
Project Manager

Report Number : **23-111-0041**

REPORT OF ANALYSIS

Lab No : **81030**
Sample ID : **LEGSSB30-01**

Matrix: **Solids**
Sampled: **4/20/2023 10:45**

Analytical Method: 8270D SIM **Prep Batch(es):** **L677721** 04/23/23 07:20
Prep Method: 3550B

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Batch
Acenaphthene	**0.00566**	mg/Kg - dry	0.000373	0.000823	1	04/23/23 20:35	VBW	L677852
Acenaphthylene	**0.0154**	mg/Kg - dry	0.000331	0.000823	1	04/23/23 20:35	VBW	L677852
Anthracene	**0.0262**	mg/Kg - dry	0.000410	0.000823	1	04/23/23 20:35	VBW	L677852
Benzo(a)anthracene	**0.188**	mg/Kg - dry	0.000605	0.000823	1	04/23/23 20:35	VBW	L677852
Benzo(a)pyrene	**0.183**	mg/Kg - dry	0.000574	0.000823	1	04/23/23 20:35	VBW	L677852
Benzo(b)fluoranthene	**0.178**	mg/Kg - dry	0.000718	0.000823	1	04/23/23 20:35	VBW	L677852
Benzo(g,h,i)perylene	**0.0973**	mg/Kg - dry	0.000785	0.000823	1	04/23/23 20:35	VBW	L677852
Benzo(k)fluoranthene	**0.0638**	mg/Kg - dry	0.000536	0.000823	1	04/23/23 20:35	VBW	L677852
Chrysene	**0.186**	mg/Kg - dry	0.000766	0.000823	1	04/23/23 20:35	VBW	L677852
Dibenz(a,h)anthracene	**0.0233**	mg/Kg - dry	0.000754	0.000823	1	04/23/23 20:35	VBW	L677852
Fluoranthene	**0.327**	mg/Kg - dry	0.000484	0.000823	1	04/23/23 20:35	VBW	L677852
Fluorene	**0.00779**	mg/Kg - dry	0.000351	0.000823	1	04/23/23 20:35	VBW	L677852
Indeno(1,2,3-cd)pyrene	**0.0953**	mg/Kg - dry	0.000770	0.000823	1	04/23/23 20:35	VBW	L677852
2-Methylnaphthalene	**0.00604**	mg/Kg - dry	0.00238	0.00247	1	04/23/23 20:35	VBW	L677852
Naphthalene	**0.00545**	mg/Kg - dry	0.00178	0.00247	1	04/23/23 20:35	VBW	L677852
Phenanthrene	**0.152**	mg/Kg - dry	0.000517	0.000823	1	04/23/23 20:35	VBW	L677852
Pyrene	**0.267**	mg/Kg - dry	0.000789	0.000823	1	04/23/23 20:35	VBW	L677852
Surrogate: 2-Fluorobiphenyl	63.6		Limits: 33-115%		1	04/23/23 20:35	VBW	L677852
Surrogate: Nitrobenzene-d5	59.7		Limits: 29-110%		1	04/23/23 20:35	VBW	L677852
Surrogate: 4-Terphenyl-d14	60.3		Limits: 33-122%		1	04/23/23 20:35	VBW	L677852

Qualifiers/ Definitions

DF Dilution Factor
MQL Method Quantitation Limit
J Estimated value

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Project No. 0888834617

Report Date : 04/26/2023
Received : 04/20/2023

Rebekah Ross
Project Manager

Report Number : **23-111-0041**

REPORT OF ANALYSIS

Lab No : **81031**
Sample ID : **LEGSSB31-01**

Matrix: **Solids**
Sampled: **4/20/2023 10:51**

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Method
Moisture	**16.5**	%			1	04/24/23 16:00	JLS	SW-DRYWT

Qualifiers/ Definitions	DF	Dilution Factor	J	Estimated value
	MQL	Method Quantitation Limit		

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Report Date : 04/26/2023
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Rebekah Ross
Project Manager

Report Number : **23-111-0041**

REPORT OF ANALYSIS

Lab No : **81031**
Sample ID : **LEGSSB31-01**

Matrix: **Solids**
Sampled: **4/20/2023 10:51**

Analytical Method: 8270D SIM **Prep Batch(es):** **L677721** 04/23/23 07:20
Prep Method: 3550B

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Batch
Acenaphthene	**0.0473**	mg/Kg - dry	0.00182	0.00401	5	04/25/23 01:02	VBW	L677852
Acenaphthylene	**0.0273**	mg/Kg - dry	0.00162	0.00401	5	04/25/23 01:02	VBW	L677852
Anthracene	**0.141**	mg/Kg - dry	0.00200	0.00401	5	04/25/23 01:02	VBW	L677852
Benzo(a)anthracene	**0.462**	mg/Kg - dry	0.00296	0.00401	5	04/25/23 01:02	VBW	L677852
Benzo(a)pyrene	**0.402**	mg/Kg - dry	0.00280	0.00401	5	04/25/23 01:02	VBW	L677852
Benzo(b)fluoranthene	**0.237**	mg/Kg - dry	0.00351	0.00401	5	04/25/23 01:02	VBW	L677852
Benzo(g,h,i)perylene	**0.214**	mg/Kg - dry	0.00383	0.00401	5	04/25/23 01:02	VBW	L677852
Benzo(k)fluoranthene	**0.106**	mg/Kg - dry	0.00262	0.00401	5	04/25/23 01:02	VBW	L677852
Chrysene	**0.386**	mg/Kg - dry	0.00374	0.00401	5	04/25/23 01:02	VBW	L677852
Dibenz(a,h)anthracene	**0.0240**	mg/Kg - dry	0.00368	0.00401	5	04/25/23 01:02	VBW	L677852
Fluoranthene	**0.830**	mg/Kg - dry	0.00236	0.00401	5	04/25/23 01:02	VBW	L677852
Fluorene	**0.0689**	mg/Kg - dry	0.00171	0.00401	5	04/25/23 01:02	VBW	L677852
Indeno(1,2,3-cd)pyrene	**0.183**	mg/Kg - dry	0.00376	0.00401	5	04/25/23 01:02	VBW	L677852
2-Methylnaphthalene	**0.0222**	mg/Kg - dry	0.0116	0.0121	5	04/25/23 01:02	VBW	L677852
Naphthalene	**0.0169**	mg/Kg - dry	0.00874	0.0121	5	04/25/23 01:02	VBW	L677852
Phenanthrene	**0.782**	mg/Kg - dry	0.00253	0.00401	5	04/25/23 01:02	VBW	L677852
Pyrene	**0.638**	mg/Kg - dry	0.00386	0.00401	5	04/25/23 01:02	VBW	L677852
Surrogate: 2-Fluorobiphenyl	54.9			Limits: 33-115%	5	04/25/23 01:02	VBW	L677852
Surrogate: Nitrobenzene-d5	47.0			Limits: 29-110%	5	04/25/23 01:02	VBW	L677852
Surrogate: 4-Terphenyl-d14	50.9			Limits: 33-122%	5	04/25/23 01:02	VBW	L677852

Qualifiers/ Definitions

DF Dilution Factor
MQL Method Quantitation Limit
J Estimated value

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Report Date : 04/26/2023
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Rebekah Ross
Project Manager

Report Number : **23-111-0041**

REPORT OF ANALYSIS

Lab No : **81032**
Sample ID : **LEGSSB32-01**

Matrix: **Solids**
Sampled: **4/20/2023 11:02**

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Method
Moisture	**20.5**	%			1	04/24/23 16:00	JLS	SW-DRYWT

Qualifiers/ Definitions	DF	Dilution Factor	J	Estimated value
	MQL	Method Quantitation Limit		

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Report Date : 04/26/2023
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Rebekah Ross
Project Manager

Report Number : **23-111-0041**

REPORT OF ANALYSIS

Lab No : **81032**
Sample ID : **LEGSSB32-01**

Matrix: **Solids**
Sampled: **4/20/2023 11:02**

Analytical Method: 8270D SIM **Prep Batch(es):** **L677721** 04/23/23 07:20
Prep Method: 3550B

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Batch
Acenaphthene	**0.00330**	mg/Kg - dry	0.000382	0.000842	1	04/23/23 20:51	VBW	L677852
Acenaphthylene	**0.0187**	mg/Kg - dry	0.000339	0.000842	1	04/23/23 20:51	VBW	L677852
Anthracene	**0.0174**	mg/Kg - dry	0.000420	0.000842	1	04/23/23 20:51	VBW	L677852
Benzo(a)anthracene	**0.0888**	mg/Kg - dry	0.000620	0.000842	1	04/23/23 20:51	VBW	L677852
Benzo(a)pyrene	**0.103**	mg/Kg - dry	0.000588	0.000842	1	04/23/23 20:51	VBW	L677852
Benzo(b)fluoranthene	**0.106**	mg/Kg - dry	0.000735	0.000842	1	04/23/23 20:51	VBW	L677852
Benzo(g,h,i)perylene	**0.0536**	mg/Kg - dry	0.000803	0.000842	1	04/23/23 20:51	VBW	L677852
Benzo(k)fluoranthene	**0.0319**	mg/Kg - dry	0.000549	0.000842	1	04/23/23 20:51	VBW	L677852
Chrysene	**0.0818**	mg/Kg - dry	0.000784	0.000842	1	04/23/23 20:51	VBW	L677852
Dibenz(a,h)anthracene	**0.0160**	mg/Kg - dry	0.000772	0.000842	1	04/23/23 20:51	VBW	L677852
Fluoranthene	**0.132**	mg/Kg - dry	0.000495	0.000842	1	04/23/23 20:51	VBW	L677852
Fluorene	**0.00366**	mg/Kg - dry	0.000359	0.000842	1	04/23/23 20:51	VBW	L677852
Indeno(1,2,3-cd)pyrene	**0.0535**	mg/Kg - dry	0.000788	0.000842	1	04/23/23 20:51	VBW	L677852
2-Methylnaphthalene	**0.00260**	mg/Kg - dry	0.00244	0.00253	1	04/23/23 20:51	VBW	L677852
Naphthalene	**0.00223 J**	mg/Kg - dry	0.00182	0.00253	1	04/23/23 20:51	VBW	L677852
Phenanthrene	**0.0750**	mg/Kg - dry	0.000529	0.000842	1	04/23/23 20:51	VBW	L677852
Pyrene	**0.109**	mg/Kg - dry	0.000808	0.000842	1	04/23/23 20:51	VBW	L677852
Surrogate: 2-Fluorobiphenyl	57.4	Limits: 33-115%			1	04/23/23 20:51	VBW	L677852
Surrogate: Nitrobenzene-d5	49.2	Limits: 29-110%			1	04/23/23 20:51	VBW	L677852
Surrogate: 4-Terphenyl-d14	52.9	Limits: 33-122%			1	04/23/23 20:51	VBW	L677852

Qualifiers/ Definitions

DF Dilution Factor
MQL Method Quantitation Limit
J Estimated value

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Project Legends Park

Information : 198 N. Pauline-Memphis, TN
Project No. 0888834617

Report Date : 04/26/2023
Received : 04/20/2023

Rebekah Ross
Project Manager

Report Number : **23-111-0041**

REPORT OF ANALYSIS

Lab No : **81033**
Sample ID : **LEGSSB33-01**

Matrix: **Solids**
Sampled: **4/20/2023 11:17**

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Method
Moisture	**16.7**	%			1	04/24/23 16:00	JLS	SW-DRYWT

Qualifiers/ Definitions	DF	Dilution Factor	J	Estimated value
	MQL	Method Quantitation Limit		

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Report Date : 04/26/2023
Received : 04/20/2023

Rebekah Ross
Project Manager

Report Number : **23-111-0041**

REPORT OF ANALYSIS

Lab No : **81033**
Sample ID : **LEGSSB33-01**

Matrix: **Solids**
Sampled: **4/20/2023 11:17**

Analytical Method: 8270D SIM **Prep Batch(es):** **L677721** 04/23/23 07:20
Prep Method: 3550B

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Batch
Acenaphthene	**0.00615**	mg/Kg - dry	0.000364	0.000804	1	04/23/23 21:07	VBW	L677852
Acenaphthylene	**0.0104**	mg/Kg - dry	0.000324	0.000804	1	04/23/23 21:07	VBW	L677852
Anthracene	**0.0156**	mg/Kg - dry	0.000400	0.000804	1	04/23/23 21:07	VBW	L677852
Benzo(a)anthracene	**0.0884**	mg/Kg - dry	0.000591	0.000804	1	04/23/23 21:07	VBW	L677852
Benzo(a)pyrene	**0.103**	mg/Kg - dry	0.000561	0.000804	1	04/23/23 21:07	VBW	L677852
Benzo(b)fluoranthene	**0.109**	mg/Kg - dry	0.000702	0.000804	1	04/23/23 21:07	VBW	L677852
Benzo(g,h,i)perylene	**0.0551**	mg/Kg - dry	0.000767	0.000804	1	04/23/23 21:07	VBW	L677852
Benzo(k)fluoranthene	**0.0390**	mg/Kg - dry	0.000524	0.000804	1	04/23/23 21:07	VBW	L677852
Chrysene	**0.125**	mg/Kg - dry	0.000749	0.000804	1	04/23/23 21:07	VBW	L677852
Dibenz(a,h)anthracene	**0.0118**	mg/Kg - dry	0.000737	0.000804	1	04/23/23 21:07	VBW	L677852
Fluoranthene	**0.209**	mg/Kg - dry	0.000472	0.000804	1	04/23/23 21:07	VBW	L677852
Fluorene	**0.00729**	mg/Kg - dry	0.000343	0.000804	1	04/23/23 21:07	VBW	L677852
Indeno(1,2,3-cd)pyrene	**0.0519**	mg/Kg - dry	0.000752	0.000804	1	04/23/23 21:07	VBW	L677852
2-Methylnaphthalene	**0.00315**	mg/Kg - dry	0.00233	0.00241	1	04/23/23 21:07	VBW	L677852
Naphthalene	**0.00251**	mg/Kg - dry	0.00174	0.00241	1	04/23/23 21:07	VBW	L677852
Phenanthrene	**0.161**	mg/Kg - dry	0.000505	0.000804	1	04/23/23 21:07	VBW	L677852
Pyrene	**0.191**	mg/Kg - dry	0.000771	0.000804	1	04/23/23 21:07	VBW	L677852
Surrogate: 2-Fluorobiphenyl	57.4			Limits: 33-115%	1	04/23/23 21:07	VBW	L677852
Surrogate: Nitrobenzene-d5	50.5			Limits: 29-110%	1	04/23/23 21:07	VBW	L677852
Surrogate: 4-Terphenyl-d14	50.8			Limits: 33-122%	1	04/23/23 21:07	VBW	L677852

Qualifiers/ Definitions

DF Dilution Factor
MQL Method Quantitation Limit
J Estimated value

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Information : 198 N. Pauline-Memphis, TN
Project No. 0888834617

Report Date : 04/26/2023
Received : 04/20/2023

Rebekah Ross
Project Manager

Report Number : **23-111-0041**

REPORT OF ANALYSIS

Lab No : **81034**
Sample ID : **LEGSSB33-03**

Matrix: **Solids**
Sampled: **4/20/2023 11:21**

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Method
Moisture	**17.9**	%			1	04/24/23 16:00	JLS	SW-DRYWT

Qualifiers/ Definitions				
	DF	Dilution Factor	J	Estimated value
	MQL	Method Quantitation Limit		

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Report Date : 04/26/2023
Received : 04/20/2023

Rebekah Ross
Project Manager

Report Number : **23-111-0041**

REPORT OF ANALYSIS

Lab No : **81034**
Sample ID : **LEGSSB33-03**

Matrix: **Solids**
Sampled: **4/20/2023 11:21**

Analytical Method: 8270D SIM **Prep Batch(es):** **L677721** 04/23/23 07:20
Prep Method: 3550B

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Batch
Acenaphthene	**0.00205**	mg/Kg - dry	0.000370	0.000816	1	04/23/23 18:26	VBW	L677852
Acenaphthylene	**0.00297**	mg/Kg - dry	0.000328	0.000816	1	04/23/23 18:26	VBW	L677852
Anthracene	**0.00749**	mg/Kg - dry	0.000406	0.000816	1	04/23/23 18:26	VBW	L677852
Benzo(a)anthracene	**0.0508**	mg/Kg - dry	0.000600	0.000816	1	04/23/23 18:26	VBW	L677852
Benzo(a)pyrene	**0.0480**	mg/Kg - dry	0.000570	0.000816	1	04/23/23 18:26	VBW	L677852
Benzo(b)fluoranthene	**0.0519**	mg/Kg - dry	0.000712	0.000816	1	04/23/23 18:26	VBW	L677852
Benzo(g,h,i)perylene	**0.0273**	mg/Kg - dry	0.000778	0.000816	1	04/23/23 18:26	VBW	L677852
Benzo(k)fluoranthene	**0.0195**	mg/Kg - dry	0.000532	0.000816	1	04/23/23 18:26	VBW	L677852
Chrysene	**0.0501**	mg/Kg - dry	0.000760	0.000816	1	04/23/23 18:26	VBW	L677852
Dibenz(a,h)anthracene	**0.00647**	mg/Kg - dry	0.000747	0.000816	1	04/23/23 18:26	VBW	L677852
Fluoranthene	**0.0950**	mg/Kg - dry	0.000479	0.000816	1	04/23/23 18:26	VBW	L677852
Fluorene	**0.00207**	mg/Kg - dry	0.000348	0.000816	1	04/23/23 18:26	VBW	L677852
Indeno(1,2,3-cd)pyrene	**0.0213**	mg/Kg - dry	0.000763	0.000816	1	04/23/23 18:26	VBW	L677852
2-Methylnaphthalene	<0.00236	mg/Kg - dry	0.00236	0.00245	1	04/23/23 18:26	VBW	L677852
Naphthalene	**0.00188 J**	mg/Kg - dry	0.00177	0.00245	1	04/23/23 18:26	VBW	L677852
Phenanthrene	**0.0480**	mg/Kg - dry	0.000512	0.000816	1	04/23/23 18:26	VBW	L677852
Pyrene	**0.0764**	mg/Kg - dry	0.000783	0.000816	1	04/23/23 18:26	VBW	L677852
Surrogate: 2-Fluorobiphenyl	67.0	Limits: 33-115%			1	04/23/23 18:26	VBW	L677852
Surrogate: Nitrobenzene-d5	64.2	Limits: 29-110%			1	04/23/23 18:26	VBW	L677852
Surrogate: 4-Terphenyl-d14	64.8	Limits: 33-122%			1	04/23/23 18:26	VBW	L677852

Qualifiers/ Definitions

DF Dilution Factor
MQL Method Quantitation Limit
J Estimated value

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Information : 198 N. Pauline-Memphis, TN
Project No. 0888834617

Report Date : 04/26/2023
Received : 04/20/2023

Rebekah Ross
Project Manager

Report Number : **23-111-0041**

REPORT OF ANALYSIS

Lab No : **81035**
Sample ID : **LEGSSB34-01**

Matrix: **Solids**
Sampled: **4/20/2023 11:40**

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Method
Moisture	**16.9**	%			1	04/24/23 16:00	JLS	SW-DRYWT

Qualifiers/ Definitions

DF Dilution Factor
MQL Method Quantitation Limit
J Estimated value

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Report Date : 04/26/2023
Received : 04/20/2023

Rebekah Ross
Project Manager

Report Number : **23-111-0041**

REPORT OF ANALYSIS

Lab No : **81035**
Sample ID : **LEGSSB34-01**

Matrix: **Solids**
Sampled: **4/20/2023 11:40**

Analytical Method: 8270D SIM **Prep Batch(es):** **L677721** 04/23/23 07:20
Prep Method: 3550B

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Batch
Acenaphthene	**0.00776**	mg/Kg - dry	0.000365	0.000806	1	04/23/23 21:23	VBW	L677852
Acenaphthylene	**0.00863**	mg/Kg - dry	0.000324	0.000806	1	04/23/23 21:23	VBW	L677852
Anthracene	**0.0625**	mg/Kg - dry	0.000401	0.000806	1	04/23/23 21:23	VBW	L677852
Benzo(a)anthracene	**0.560**	mg/Kg - dry	0.000593	0.000806	1	04/23/23 21:23	VBW	L677852
Benzo(a)pyrene	**0.603**	mg/Kg - dry	0.00282	0.00403	5	04/25/23 01:34	VBW	L677852
Benzo(b)fluoranthene	**0.509**	mg/Kg - dry	0.000703	0.000806	1	04/23/23 21:23	VBW	L677852
Benzo(g,h,i)perylene	**0.237**	mg/Kg - dry	0.000768	0.000806	1	04/23/23 21:23	VBW	L677852
Benzo(k)fluoranthene	**0.207**	mg/Kg - dry	0.000525	0.000806	1	04/23/23 21:23	VBW	L677852
Chrysene	**0.581**	mg/Kg - dry	0.000750	0.000806	1	04/23/23 21:23	VBW	L677852
Dibenz(a,h)anthracene	**0.0659**	mg/Kg - dry	0.000738	0.000806	1	04/23/23 21:23	VBW	L677852
Fluoranthene	**0.687**	mg/Kg - dry	0.000474	0.000806	1	04/23/23 21:23	VBW	L677852
Fluorene	**0.00968**	mg/Kg - dry	0.000344	0.000806	1	04/23/23 21:23	VBW	L677852
Indeno(1,2,3-cd)pyrene	**0.236**	mg/Kg - dry	0.000754	0.000806	1	04/23/23 21:23	VBW	L677852
2-Methylnaphthalene	**0.00623**	mg/Kg - dry	0.00233	0.00242	1	04/23/23 21:23	VBW	L677852
Naphthalene	**0.00451**	mg/Kg - dry	0.00174	0.00242	1	04/23/23 21:23	VBW	L677852
Phenanthrene	**0.325**	mg/Kg - dry	0.00254	0.00403	5	04/25/23 01:34	VBW	L677852
Pyrene	**0.578**	mg/Kg - dry	0.000773	0.000806	1	04/23/23 21:23	VBW	L677852
Surrogate: 2-Fluorobiphenyl	58.4		Limits: 33-115%		1	04/23/23 21:23	VBW	L677852
Surrogate: Nitrobenzene-d5	51.8		Limits: 29-110%		1	04/23/23 21:23	VBW	L677852
Surrogate: 4-Terphenyl-d14	53.6		Limits: 33-122%		1	04/23/23 21:23	VBW	L677852

Qualifiers/ Definitions
DF Dilution Factor
MQL Method Quantitation Limit
J Estimated value

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Information : 198 N. Pauline-Memphis, TN
Project No. 0888834617

Report Date : 04/26/2023
Received : 04/20/2023

Rebekah Ross
Project Manager

Report Number : **23-111-0041**

REPORT OF ANALYSIS

Lab No : **81036**
Sample ID : **LEGSSB34-05**

Matrix: **Solids**
Sampled: **4/20/2023 11:46**

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Method
Moisture	**16.5**	%			1	04/24/23 16:00	JLS	SW-DRYWT

Qualifiers/ Definitions	DF	Dilution Factor	J	Estimated value
	MQL	Method Quantitation Limit		

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Report Date : 04/26/2023
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Rebekah Ross
Project Manager

Report Number : **23-111-0041**

REPORT OF ANALYSIS

Lab No : **81036**
Sample ID : **LEGSSB34-05**

Matrix: **Solids**
Sampled: **4/20/2023 11:46**

Analytical Method: 8270D SIM **Prep Batch(es):** **L677721** 04/23/23 07:20
Prep Method: 3550B

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Batch
Acenaphthene	**0.00526**	mg/Kg - dry	0.000364	0.000802	1	04/23/23 21:39	VBW	L677852
Acenaphthylene	**0.00381**	mg/Kg - dry	0.000323	0.000802	1	04/23/23 21:39	VBW	L677852
Anthracene	**0.0170**	mg/Kg - dry	0.000400	0.000802	1	04/23/23 21:39	VBW	L677852
Benzo(a)anthracene	**0.0857**	mg/Kg - dry	0.000590	0.000802	1	04/23/23 21:39	VBW	L677852
Benzo(a)pyrene	**0.0756**	mg/Kg - dry	0.000560	0.000802	1	04/23/23 21:39	VBW	L677852
Benzo(b)fluoranthene	**0.0796**	mg/Kg - dry	0.000700	0.000802	1	04/23/23 21:39	VBW	L677852
Benzo(g,h,i)perylene	**0.0401**	mg/Kg - dry	0.000765	0.000802	1	04/23/23 21:39	VBW	L677852
Benzo(k)fluoranthene	**0.0244**	mg/Kg - dry	0.000523	0.000802	1	04/23/23 21:39	VBW	L677852
Chrysene	**0.0835**	mg/Kg - dry	0.000747	0.000802	1	04/23/23 21:39	VBW	L677852
Dibenz(a,h)anthracene	**0.0105**	mg/Kg - dry	0.000735	0.000802	1	04/23/23 21:39	VBW	L677852
Fluoranthene	**0.172**	mg/Kg - dry	0.000471	0.000802	1	04/23/23 21:39	VBW	L677852
Fluorene	**0.00505**	mg/Kg - dry	0.000342	0.000802	1	04/23/23 21:39	VBW	L677852
Indeno(1,2,3-cd)pyrene	**0.0396**	mg/Kg - dry	0.000750	0.000802	1	04/23/23 21:39	VBW	L677852
2-Methylnaphthalene	**0.00375**	mg/Kg - dry	0.00232	0.00241	1	04/23/23 21:39	VBW	L677852
Naphthalene	**0.00271**	mg/Kg - dry	0.00174	0.00241	1	04/23/23 21:39	VBW	L677852
Phenanthrene	**0.0914**	mg/Kg - dry	0.000504	0.000802	1	04/23/23 21:39	VBW	L677852
Pyrene	**0.152**	mg/Kg - dry	0.000770	0.000802	1	04/23/23 21:39	VBW	L677852
Surrogate: 2-Fluorobiphenyl		67.7		Limits: 33-115%	1	04/23/23 21:39	VBW	L677852
Surrogate: Nitrobenzene-d5		61.9		Limits: 29-110%	1	04/23/23 21:39	VBW	L677852
Surrogate: 4-Terphenyl-d14		71.3		Limits: 33-122%	1	04/23/23 21:39	VBW	L677852

Qualifiers/ Definitions

DF Dilution Factor
MQL Method Quantitation Limit
J Estimated value

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Report Date : 04/26/2023
Received : 04/20/2023

Rebekah Ross
Project Manager

Report Number : **23-111-0041**

REPORT OF ANALYSIS

Lab No : **81037**
Sample ID : **LEGSSB34-09**

Matrix: **Solids**
Sampled: **4/20/2023 11:59**

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Method
Moisture	**17.7**	%			1	04/24/23 16:00	JLS	SW-DRYWT

Qualifiers/ Definitions	DF	Dilution Factor	J	Estimated value
	MQL	Method Quantitation Limit		

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Report Date : 04/26/2023
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Rebekah Ross
Project Manager

Report Number : **23-111-0041**

REPORT OF ANALYSIS

Lab No : **81037**
Sample ID : **LEGSSB34-09**

Matrix: **Solids**
Sampled: **4/20/2023 11:59**

Analytical Method: 8270D SIM **Prep Batch(es):** **L677721** 04/23/23 07:20
Prep Method: 3550B

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Batch
Acenaphthene	**0.00550**	mg/Kg - dry	0.000369	0.000814	1	04/23/23 21:55	VBW	L677852
Acenaphthylene	**0.00896**	mg/Kg - dry	0.000328	0.000814	1	04/23/23 21:55	VBW	L677852
Anthracene	**0.0157**	mg/Kg - dry	0.000405	0.000814	1	04/23/23 21:55	VBW	L677852
Benzo(a)anthracene	**0.0961**	mg/Kg - dry	0.000599	0.000814	1	04/23/23 21:55	VBW	L677852
Benzo(a)pyrene	**0.0966**	mg/Kg - dry	0.000568	0.000814	1	04/23/23 21:55	VBW	L677852
Benzo(b)fluoranthene	**0.0722**	mg/Kg - dry	0.000710	0.000814	1	04/23/23 21:55	VBW	L677852
Benzo(g,h,i)perylene	**0.0530**	mg/Kg - dry	0.000776	0.000814	1	04/23/23 21:55	VBW	L677852
Benzo(k)fluoranthene	**0.0315**	mg/Kg - dry	0.000530	0.000814	1	04/23/23 21:55	VBW	L677852
Chrysene	**0.0915**	mg/Kg - dry	0.000758	0.000814	1	04/23/23 21:55	VBW	L677852
Dibenz(a,h)anthracene	**0.0111**	mg/Kg - dry	0.000746	0.000814	1	04/23/23 21:55	VBW	L677852
Fluoranthene	**0.163**	mg/Kg - dry	0.000478	0.000814	1	04/23/23 21:55	VBW	L677852
Fluorene	**0.00710**	mg/Kg - dry	0.000347	0.000814	1	04/23/23 21:55	VBW	L677852
Indeno(1,2,3-cd)pyrene	**0.0516**	mg/Kg - dry	0.000761	0.000814	1	04/23/23 21:55	VBW	L677852
2-Methylnaphthalene	**0.00614**	mg/Kg - dry	0.00236	0.00244	1	04/23/23 21:55	VBW	L677852
Naphthalene	**0.00442**	mg/Kg - dry	0.00176	0.00244	1	04/23/23 21:55	VBW	L677852
Phenanthrene	**0.0843**	mg/Kg - dry	0.000511	0.000814	1	04/23/23 21:55	VBW	L677852
Pyrene	**0.141**	mg/Kg - dry	0.000781	0.000814	1	04/23/23 21:55	VBW	L677852
Surrogate: 2-Fluorobiphenyl	63.5	Limits: 33-115%			1	04/23/23 21:55	VBW	L677852
Surrogate: Nitrobenzene-d5	50.5	Limits: 29-110%			1	04/23/23 21:55	VBW	L677852
Surrogate: 4-Terphenyl-d14	59.6	Limits: 33-122%			1	04/23/23 21:55	VBW	L677852

Qualifiers/ Definitions

DF Dilution Factor
MQL Method Quantitation Limit
J Estimated value

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Project Legends Park

Information : 198 N. Pauline-Memphis, TN
Project No. 0888834617

Report Date : 04/26/2023
Received : 04/20/2023

Rebekah Ross
Project Manager

Report Number : **23-111-0041**

REPORT OF ANALYSIS

Lab No : **81038**
Sample ID : **LEGSSB35-01**

Matrix: **Solids**
Sampled: **4/20/2023 12:15**

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Method
Moisture	**15.8**	%			1	04/24/23 16:00	JLS	SW-DRYWT

Qualifiers/ Definitions	DF	Dilution Factor	J	Estimated value
	MQL	Method Quantitation Limit		

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Report Date : 04/26/2023
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Rebekah Ross
Project Manager

Report Number : **23-111-0041**

REPORT OF ANALYSIS

Lab No : **81038**
Sample ID : **LEGSSB35-01**

Matrix: **Solids**
Sampled: **4/20/2023 12:15**

Analytical Method: 8270D SIM **Prep Batch(es):** **L677721** 04/23/23 07:20
Prep Method: 3550B

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Batch
Acenaphthene	**0.0105**	mg/Kg - dry	0.000361	0.000795	1	04/23/23 22:11	VBW	L677852
Acenaphthylene	**0.0129**	mg/Kg - dry	0.000320	0.000795	1	04/23/23 22:11	VBW	L677852
Anthracene	**0.0278**	mg/Kg - dry	0.000396	0.000795	1	04/23/23 22:11	VBW	L677852
Benzo(a)anthracene	**0.156**	mg/Kg - dry	0.000585	0.000795	1	04/23/23 22:11	VBW	L677852
Benzo(a)pyrene	**0.151**	mg/Kg - dry	0.000555	0.000795	1	04/23/23 22:11	VBW	L677852
Benzo(b)fluoranthene	**0.159**	mg/Kg - dry	0.000694	0.000795	1	04/23/23 22:11	VBW	L677852
Benzo(g,h,i)perylene	**0.0910**	mg/Kg - dry	0.000758	0.000795	1	04/23/23 22:11	VBW	L677852
Benzo(k)fluoranthene	**0.0539**	mg/Kg - dry	0.000519	0.000795	1	04/23/23 22:11	VBW	L677852
Chrysene	**0.144**	mg/Kg - dry	0.000741	0.000795	1	04/23/23 22:11	VBW	L677852
Dibenz(a,h)anthracene	**0.0230**	mg/Kg - dry	0.000729	0.000795	1	04/23/23 22:11	VBW	L677852
Fluoranthene	**0.251**	mg/Kg - dry	0.000467	0.000795	1	04/23/23 22:11	VBW	L677852
Fluorene	**0.0125**	mg/Kg - dry	0.000339	0.000795	1	04/23/23 22:11	VBW	L677852
Indeno(1,2,3-cd)pyrene	**0.0869**	mg/Kg - dry	0.000744	0.000795	1	04/23/23 22:11	VBW	L677852
2-Methylnaphthalene	**0.00929**	mg/Kg - dry	0.00230	0.00239	1	04/23/23 22:11	VBW	L677852
Naphthalene	**0.00721**	mg/Kg - dry	0.00172	0.00239	1	04/23/23 22:11	VBW	L677852
Phenanthrene	**0.151**	mg/Kg - dry	0.000500	0.000795	1	04/23/23 22:11	VBW	L677852
Pyrene	**0.179**	mg/Kg - dry	0.000763	0.000795	1	04/23/23 22:11	VBW	L677852
Surrogate: 2-Fluorobiphenyl	59.7			Limits: 33-115%	1	04/23/23 22:11	VBW	L677852
Surrogate: Nitrobenzene-d5	47.9			Limits: 29-110%	1	04/23/23 22:11	VBW	L677852
Surrogate: 4-Terphenyl-d14	46.1			Limits: 33-122%	1	04/23/23 22:11	VBW	L677852

Qualifiers/ Definitions
DF Dilution Factor
MQL Method Quantitation Limit
J Estimated value

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Report Date : 04/26/2023
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Rebekah Ross
Project Manager

Report Number : **23-111-0041**

REPORT OF ANALYSIS

Lab No : **81039**
Sample ID : **LEGSSB35-05**

Matrix: **Solids**
Sampled: **4/20/2023 12:25**

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Method
Moisture	**18.3**	%			1	04/24/23 16:00	JLS	SW-DRYWT

Qualifiers/ Definitions				
	DF	Dilution Factor	J	Estimated value
	MQL	Method Quantitation Limit		

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Report Date : 04/26/2023
Received : 04/20/2023

Rebekah Ross
Project Manager

Report Number : **23-111-0041**

REPORT OF ANALYSIS

Lab No : **81039**
Sample ID : **LEGSSB35-05**

Matrix: **Solids**
Sampled: **4/20/2023 12:25**

Analytical Method: 8270D SIM **Prep Batch(es):** **L677721** 04/23/23 07:20
Prep Method: 3550B

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Batch
Acenaphthene	**0.00255**	mg/Kg - dry	0.000372	0.000820	1	04/23/23 22:27	VBW	L677852
Acenaphthylene	**0.0137**	mg/Kg - dry	0.000330	0.000820	1	04/23/23 22:27	VBW	L677852
Anthracene	**0.0132**	mg/Kg - dry	0.000408	0.000820	1	04/23/23 22:27	VBW	L677852
Benzo(a)anthracene	**0.0755**	mg/Kg - dry	0.000603	0.000820	1	04/23/23 22:27	VBW	L677852
Benzo(a)pyrene	**0.0911**	mg/Kg - dry	0.000572	0.000820	1	04/23/23 22:27	VBW	L677852
Benzo(b)fluoranthene	**0.0853**	mg/Kg - dry	0.000716	0.000820	1	04/23/23 22:27	VBW	L677852
Benzo(g,h,i)perylene	**0.0559**	mg/Kg - dry	0.000782	0.000820	1	04/23/23 22:27	VBW	L677852
Benzo(k)fluoranthene	**0.0246**	mg/Kg - dry	0.000534	0.000820	1	04/23/23 22:27	VBW	L677852
Chrysene	**0.0814**	mg/Kg - dry	0.000763	0.000820	1	04/23/23 22:27	VBW	L677852
Dibenz(a,h)anthracene	**0.0131**	mg/Kg - dry	0.000751	0.000820	1	04/23/23 22:27	VBW	L677852
Fluoranthene	**0.143**	mg/Kg - dry	0.000482	0.000820	1	04/23/23 22:27	VBW	L677852
Fluorene	**0.00348**	mg/Kg - dry	0.000350	0.000820	1	04/23/23 22:27	VBW	L677852
Indeno(1,2,3-cd)pyrene	**0.0558**	mg/Kg - dry	0.000767	0.000820	1	04/23/23 22:27	VBW	L677852
2-Methylnaphthalene	**0.00349**	mg/Kg - dry	0.00237	0.00246	1	04/23/23 22:27	VBW	L677852
Naphthalene	**0.00306**	mg/Kg - dry	0.00177	0.00246	1	04/23/23 22:27	VBW	L677852
Phenanthrene	**0.0739**	mg/Kg - dry	0.000515	0.000820	1	04/23/23 22:27	VBW	L677852
Pyrene	**0.114**	mg/Kg - dry	0.000787	0.000820	1	04/23/23 22:27	VBW	L677852
Surrogate: 2-Fluorobiphenyl		59.3		Limits: 33-115%	1	04/23/23 22:27	VBW	L677852
Surrogate: Nitrobenzene-d5		52.4		Limits: 29-110%	1	04/23/23 22:27	VBW	L677852
Surrogate: 4-Terphenyl-d14		58.7		Limits: 33-122%	1	04/23/23 22:27	VBW	L677852

Qualifiers/ Definitions

DF Dilution Factor
MQL Method Quantitation Limit
J Estimated value

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Information : 198 N. Pauline-Memphis, TN
Project No. 0888834617

Report Date : 04/26/2023
Received : 04/20/2023

Rebekah Ross
Project Manager

Report Number : **23-111-0041**

REPORT OF ANALYSIS

Lab No : **81040**
Sample ID : **LEGSSB35-09**

Matrix: **Solids**
Sampled: **4/20/2023 12:38**

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Method
Moisture	**20.9**	%			1	04/24/23 16:00	JLS	SW-DRYWT

Qualifiers/ Definitions	DF	Dilution Factor	J	Estimated value
	MQL	Method Quantitation Limit		

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Report Date : 04/26/2023
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Rebekah Ross
Project Manager

Report Number : **23-111-0041**

REPORT OF ANALYSIS

Lab No : **81040**
Sample ID : **LEGSSB35-09**

Matrix: **Solids**
Sampled: **4/20/2023 12:38**

Analytical Method: 8270D SIM **Prep Batch(es):** **L677721** 04/23/23 07:20
Prep Method: 3550B

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Batch
Acenaphthene	**0.00265**	mg/Kg - dry	0.000384	0.000847	1	04/23/23 18:43	VBW	L677852
Acenaphthylene	**0.00295**	mg/Kg - dry	0.000341	0.000847	1	04/23/23 18:43	VBW	L677852
Anthracene	**0.00713**	mg/Kg - dry	0.000422	0.000847	1	04/23/23 18:43	VBW	L677852
Benzo(a)anthracene	**0.0430**	mg/Kg - dry	0.000623	0.000847	1	04/23/23 18:43	VBW	L677852
Benzo(a)pyrene	**0.0440**	mg/Kg - dry	0.000591	0.000847	1	04/23/23 18:43	VBW	L677852
Benzo(b)fluoranthene	**0.0496**	mg/Kg - dry	0.000739	0.000847	1	04/23/23 18:43	VBW	L677852
Benzo(g,h,i)perylene	**0.0271**	mg/Kg - dry	0.000807	0.000847	1	04/23/23 18:43	VBW	L677852
Benzo(k)fluoranthene	**0.0206**	mg/Kg - dry	0.000552	0.000847	1	04/23/23 18:43	VBW	L677852
Chrysene	**0.0455**	mg/Kg - dry	0.000788	0.000847	1	04/23/23 18:43	VBW	L677852
Dibenz(a,h)anthracene	**0.00588**	mg/Kg - dry	0.000776	0.000847	1	04/23/23 18:43	VBW	L677852
Fluoranthene	**0.0949**	mg/Kg - dry	0.000498	0.000847	1	04/23/23 18:43	VBW	L677852
Fluorene	**0.00241**	mg/Kg - dry	0.000361	0.000847	1	04/23/23 18:43	VBW	L677852
Indeno(1,2,3-cd)pyrene	**0.0233**	mg/Kg - dry	0.000792	0.000847	1	04/23/23 18:43	VBW	L677852
2-Methylnaphthalene	<0.00245	mg/Kg - dry	0.00245	0.00254	1	04/23/23 18:43	VBW	L677852
Naphthalene	<0.00183	mg/Kg - dry	0.00183	0.00254	1	04/23/23 18:43	VBW	L677852
Phenanthrene	**0.0512**	mg/Kg - dry	0.000532	0.000847	1	04/23/23 18:43	VBW	L677852
Pyrene	**0.0798**	mg/Kg - dry	0.000812	0.000847	1	04/23/23 18:43	VBW	L677852
Surrogate: 2-Fluorobiphenyl	61.7			Limits: 33-115%	1	04/23/23 18:43	VBW	L677852
Surrogate: Nitrobenzene-d5	54.8			Limits: 29-110%	1	04/23/23 18:43	VBW	L677852
Surrogate: 4-Terphenyl-d14	63.9			Limits: 33-122%	1	04/23/23 18:43	VBW	L677852

Qualifiers/ Definitions

DF Dilution Factor
MQL Method Quantitation Limit
J Estimated value

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Information : 198 N. Pauline-Memphis, TN
Project No. 0888834617

Report Date : 04/26/2023
Received : 04/20/2023

Rebekah Ross
Project Manager

Report Number : **23-111-0041**

REPORT OF ANALYSIS

Lab No : **81041**
Sample ID : **LEGSSB36-01**

Matrix: **Solids**
Sampled: **4/20/2023 12:52**

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Method
Moisture	**26.3**	%			1	04/24/23 14:15	JLS	SW-DRYWT

Qualifiers/ Definitions

DF Dilution Factor
MQL Method Quantitation Limit
J Estimated value

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Rebekah Ross
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Report Number : **23-111-0041**

REPORT OF ANALYSIS

Lab No : **81041**
Sample ID : **LEGSSB36-01**

Matrix: **Solids**
Sampled: **4/20/2023 12:52**

Analytical Method: 8270D SIM **Prep Batch(es):** **L677721** 04/23/23 07:20
Prep Method: 3550B

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Batch
Acenaphthene	**0.00716**	mg/Kg - dry	0.000412	0.000909	1	04/23/23 22:43	VBW	L677852
Acenaphthylene	**0.00815**	mg/Kg - dry	0.000366	0.000909	1	04/23/23 22:43	VBW	L677852
Anthracene	**0.0316**	mg/Kg - dry	0.000453	0.000909	1	04/23/23 22:43	VBW	L677852
Benzo(a)anthracene	**0.202**	mg/Kg - dry	0.000668	0.000909	1	04/23/23 22:43	VBW	L677852
Benzo(a)pyrene	**0.198**	mg/Kg - dry	0.000635	0.000909	1	04/23/23 22:43	VBW	L677852
Benzo(b)fluoranthene	**0.227**	mg/Kg - dry	0.000793	0.000909	1	04/23/23 22:43	VBW	L677852
Benzo(g,h,i)perylene	**0.104**	mg/Kg - dry	0.000867	0.000909	1	04/23/23 22:43	VBW	L677852
Benzo(k)fluoranthene	**0.0783**	mg/Kg - dry	0.000592	0.000909	1	04/23/23 22:43	VBW	L677852
Chrysene	**0.191**	mg/Kg - dry	0.000846	0.000909	1	04/23/23 22:43	VBW	L677852
Dibenz(a,h)anthracene	**0.0252**	mg/Kg - dry	0.000833	0.000909	1	04/23/23 22:43	VBW	L677852
Fluoranthene	**0.392**	mg/Kg - dry	0.000534	0.000909	1	04/23/23 22:43	VBW	L677852
Fluorene	**0.00689**	mg/Kg - dry	0.000388	0.000909	1	04/23/23 22:43	VBW	L677852
Indeno(1,2,3-cd)pyrene	**0.102**	mg/Kg - dry	0.000850	0.000909	1	04/23/23 22:43	VBW	L677852
2-Methylnaphthalene	**0.00383**	mg/Kg - dry	0.00263	0.00273	1	04/23/23 22:43	VBW	L677852
Naphthalene	**0.00322**	mg/Kg - dry	0.00197	0.00273	1	04/23/23 22:43	VBW	L677852
Phenanthrene	**0.168**	mg/Kg - dry	0.000571	0.000909	1	04/23/23 22:43	VBW	L677852
Pyrene	**0.312**	mg/Kg - dry	0.000872	0.000909	1	04/23/23 22:43	VBW	L677852
Surrogate: 2-Fluorobiphenyl	59.4			Limits: 33-115%	1	04/23/23 22:43	VBW	L677852
Surrogate: Nitrobenzene-d5	55.8			Limits: 29-110%	1	04/23/23 22:43	VBW	L677852
Surrogate: 4-Terphenyl-d14	65.8			Limits: 33-122%	1	04/23/23 22:43	VBW	L677852

Qualifiers/ Definitions

DF Dilution Factor
MQL Method Quantitation Limit
J Estimated value

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Project No. 0888834617

Report Date : 04/26/2023
Received : 04/20/2023

Rebekah Ross
Project Manager

Report Number : **23-111-0041**

REPORT OF ANALYSIS

Lab No : **81042**
Sample ID : **LEGSSB36-04**

Matrix: **Solids**
Sampled: **4/20/2023 13:00**

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Method
Moisture	**27.0**	%			1	04/24/23 14:15	JLS	SW-DRYWT

Qualifiers/ Definitions	DF	Dilution Factor	J	Estimated value
	MQL	Method Quantitation Limit		

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Report Date : 04/26/2023
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Rebekah Ross
Project Manager

Report Number : **23-111-0041**

REPORT OF ANALYSIS

Lab No : **81042**
Sample ID : **LEGSSB36-04**

Matrix: **Solids**
Sampled: **4/20/2023 13:00**

Analytical Method: 8270D SIM **Prep Batch(es):** **L677722** 04/23/23 07:25
Prep Method: 3550B

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Batch
Acenaphthene	**0.00407**	mg/Kg - dry	0.000416	0.000917	1	04/23/23 18:22	SMB	L677866
Acenaphthylene	**0.0132**	mg/Kg - dry	0.000369	0.000917	1	04/23/23 18:22	SMB	L677866
Anthracene	**0.0174**	mg/Kg - dry	0.000457	0.000917	1	04/23/23 18:22	SMB	L677866
Benzo(a)anthracene	**0.142**	mg/Kg - dry	0.000675	0.000917	1	04/23/23 18:22	SMB	L677866
Benzo(a)pyrene	**0.167**	mg/Kg - dry	0.000641	0.000917	1	04/23/23 18:22	SMB	L677866
Benzo(b)fluoranthene	**0.163**	mg/Kg - dry	0.000801	0.000917	1	04/23/23 18:22	SMB	L677866
Benzo(g,h,i)perylene	**0.114**	mg/Kg - dry	0.000875	0.000917	1	04/23/23 18:22	SMB	L677866
Benzo(k)fluoranthene	**0.126**	mg/Kg - dry	0.000598	0.000917	1	04/23/23 18:22	SMB	L677866
Chrysene	**0.137**	mg/Kg - dry	0.000854	0.000917	1	04/23/23 18:22	SMB	L677866
Dibenz(a,h)anthracene	**0.0393**	mg/Kg - dry	0.000841	0.000917	1	04/23/23 18:22	SMB	L677866
Fluoranthene	**0.219**	mg/Kg - dry	0.000539	0.000917	1	04/23/23 18:22	SMB	L677866
Fluorene	**0.00482**	mg/Kg - dry	0.000391	0.000917	1	04/23/23 18:22	SMB	L677866
Indeno(1,2,3-cd)pyrene	**0.135**	mg/Kg - dry	0.000858	0.000917	1	04/23/23 18:22	SMB	L677866
2-Methylnaphthalene	**0.00334**	mg/Kg - dry	0.00266	0.00275	1	04/23/23 18:22	SMB	L677866
Naphthalene	**0.00305**	mg/Kg - dry	0.00199	0.00275	1	04/23/23 18:22	SMB	L677866
Phenanthrene	**0.0816**	mg/Kg - dry	0.000576	0.000917	1	04/23/23 18:22	SMB	L677866
Pyrene	**0.190**	mg/Kg - dry	0.000880	0.000917	1	04/23/23 18:22	SMB	L677866
Surrogate: 2-Fluorobiphenyl	52.0	Limits: 33-115%			1	04/23/23 18:22	SMB	L677866
Surrogate: Nitrobenzene-d5	53.2	Limits: 29-110%			1	04/23/23 18:22	SMB	L677866
Surrogate: 4-Terphenyl-d14	62.1	Limits: 33-122%			1	04/23/23 18:22	SMB	L677866

Qualifiers/ Definitions
DF Dilution Factor
MQL Method Quantitation Limit
J Estimated value

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Project Legends Park

Information : 198 N. Pauline-Memphis, TN
Project No. 0888834617

Report Date : 04/26/2023
Received : 04/20/2023

Rebekah Ross
Project Manager

Report Number : **23-111-0041**

REPORT OF ANALYSIS

Lab No : **81043**
Sample ID : **LEGSSB37-01**

Matrix: **Solids**
Sampled: **4/20/2023 13:15**

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Method
Moisture	**22.2**	%			1	04/24/23 14:15	JLS	SW-DRYWT

Qualifiers/ Definitions	DF	Dilution Factor	J	Estimated value
	MQL	Method Quantitation Limit		

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Report Date : 04/26/2023
Received : 04/20/2023

Rebekah Ross
Project Manager

Report Number : **23-111-0041**

REPORT OF ANALYSIS

Lab No : **81043**
Sample ID : **LEGSSB37-01**

Matrix: **Solids**
Sampled: **4/20/2023 13:15**

Analytical Method: 8270D SIM **Prep Batch(es):** **L677722** 04/23/23 07:25
Prep Method: 3550B

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Batch
Acenaphthene	**0.0207**	mg/Kg - dry	0.000390	0.000861	1	04/23/23 19:06	SMB	L677866
Acenaphthylene	**0.00838**	mg/Kg - dry	0.000347	0.000861	1	04/23/23 19:06	SMB	L677866
Anthracene	**0.0465**	mg/Kg - dry	0.000429	0.000861	1	04/23/23 19:06	SMB	L677866
Benzo(a)anthracene	**0.175**	mg/Kg - dry	0.000633	0.000861	1	04/23/23 19:06	SMB	L677866
Benzo(a)pyrene	**0.170**	mg/Kg - dry	0.000601	0.000861	1	04/23/23 19:06	SMB	L677866
Benzo(b)fluoranthene	**0.159**	mg/Kg - dry	0.000751	0.000861	1	04/23/23 19:06	SMB	L677866
Benzo(g,h,i)perylene	**0.0774**	mg/Kg - dry	0.000821	0.000861	1	04/23/23 19:06	SMB	L677866
Benzo(k)fluoranthene	**0.0734**	mg/Kg - dry	0.000561	0.000861	1	04/23/23 19:06	SMB	L677866
Chrysene	**0.183**	mg/Kg - dry	0.000802	0.000861	1	04/23/23 19:06	SMB	L677866
Dibenz(a,h)anthracene	**0.0321**	mg/Kg - dry	0.000789	0.000861	1	04/23/23 19:06	SMB	L677866
Fluoranthene	**0.343**	mg/Kg - dry	0.000506	0.000861	1	04/23/23 19:06	SMB	L677866
Fluorene	**0.0207**	mg/Kg - dry	0.000367	0.000861	1	04/23/23 19:06	SMB	L677866
Indeno(1,2,3-cd)pyrene	**0.108**	mg/Kg - dry	0.000805	0.000861	1	04/23/23 19:06	SMB	L677866
2-Methylnaphthalene	**0.00477**	mg/Kg - dry	0.00249	0.00258	1	04/23/23 19:06	SMB	L677866
Naphthalene	**0.00650**	mg/Kg - dry	0.00186	0.00258	1	04/23/23 19:06	SMB	L677866
Phenanthrene	**0.244**	mg/Kg - dry	0.000541	0.000861	1	04/23/23 19:06	SMB	L677866
Pyrene	**0.267**	mg/Kg - dry	0.000826	0.000861	1	04/23/23 19:06	SMB	L677866
Surrogate: 2-Fluorobiphenyl	51.4			Limits: 33-115%	1	04/23/23 19:06	SMB	L677866
Surrogate: Nitrobenzene-d5	56.0			Limits: 29-110%	1	04/23/23 19:06	SMB	L677866
Surrogate: 4-Terphenyl-d14	59.9			Limits: 33-122%	1	04/23/23 19:06	SMB	L677866

Qualifiers/ Definitions

DF Dilution Factor
MQL Method Quantitation Limit
J Estimated value

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Project No. 0888834617

Report Date : 04/26/2023
Received : 04/20/2023

Rebekah Ross
Project Manager

Report Number : **23-111-0041**

REPORT OF ANALYSIS

Lab No : **81044**
Sample ID : **LEGSSB38-01**

Matrix: **Solids**
Sampled: **4/20/2023 13:33**

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Method
Moisture	**14.9**	%			1	04/24/23 14:15	JLS	SW-DRYWT

Qualifiers/ Definitions	DF	Dilution Factor	J	Estimated value
	MQL	Method Quantitation Limit		

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Report Date : 04/26/2023
Received : 04/20/2023

Rebekah Ross
Project Manager

Report Number : **23-111-0041**

REPORT OF ANALYSIS

Lab No : **81044**
Sample ID : **LEGSSB38-01**

Matrix: **Solids**
Sampled: **4/20/2023 13:33**

Analytical Method: 8270D SIM **Prep Batch(es):** **L677722** 04/23/23 07:25
Prep Method: 3550B

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Batch
Acenaphthene	**0.0152**	mg/Kg - dry	0.000357	0.000787	1	04/23/23 19:21	SMB	L677866
Acenaphthylene	**0.00576**	mg/Kg - dry	0.000317	0.000787	1	04/23/23 19:21	SMB	L677866
Anthracene	**0.0474**	mg/Kg - dry	0.000392	0.000787	1	04/23/23 19:21	SMB	L677866
Benzo(a)anthracene	**0.173**	mg/Kg - dry	0.000579	0.000787	1	04/23/23 19:21	SMB	L677866
Benzo(a)pyrene	**0.155**	mg/Kg - dry	0.000549	0.000787	1	04/23/23 19:21	SMB	L677866
Benzo(b)fluoranthene	**0.157**	mg/Kg - dry	0.000687	0.000787	1	04/23/23 19:21	SMB	L677866
Benzo(g,h,i)perylene	**0.0861**	mg/Kg - dry	0.000750	0.000787	1	04/23/23 19:21	SMB	L677866
Benzo(k)fluoranthene	**0.0640**	mg/Kg - dry	0.000513	0.000787	1	04/23/23 19:21	SMB	L677866
Chrysene	**0.153**	mg/Kg - dry	0.000733	0.000787	1	04/23/23 19:21	SMB	L677866
Dibenz(a,h)anthracene	**0.0322**	mg/Kg - dry	0.000721	0.000787	1	04/23/23 19:21	SMB	L677866
Fluoranthene	**0.316**	mg/Kg - dry	0.000462	0.000787	1	04/23/23 19:21	SMB	L677866
Fluorene	**0.0182**	mg/Kg - dry	0.000336	0.000787	1	04/23/23 19:21	SMB	L677866
Indeno(1,2,3-cd)pyrene	**0.107**	mg/Kg - dry	0.000736	0.000787	1	04/23/23 19:21	SMB	L677866
2-Methylnaphthalene	**0.00488**	mg/Kg - dry	0.00228	0.00236	1	04/23/23 19:21	SMB	L677866
Naphthalene	**0.00636**	mg/Kg - dry	0.00170	0.00236	1	04/23/23 19:21	SMB	L677866
Phenanthrene	**0.197**	mg/Kg - dry	0.000494	0.000787	1	04/23/23 19:21	SMB	L677866
Pyrene	**0.241**	mg/Kg - dry	0.000755	0.000787	1	04/23/23 19:21	SMB	L677866
Surrogate: 2-Fluorobiphenyl	41.3	Limits: 33-115%			1	04/23/23 19:21	SMB	L677866
Surrogate: Nitrobenzene-d5	42.8	Limits: 29-110%			1	04/23/23 19:21	SMB	L677866
Surrogate: 4-Terphenyl-d14	47.3	Limits: 33-122%			1	04/23/23 19:21	SMB	L677866

Qualifiers/ Definitions
DF Dilution Factor
MQL Method Quantitation Limit
J Estimated value

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Information : 198 N. Pauline-Memphis, TN
Project No. 0888834617

Report Date : 04/26/2023
Received : 04/20/2023

Rebekah Ross
Project Manager

Report Number : **23-111-0041**

REPORT OF ANALYSIS

Lab No : **81045**
Sample ID : **LEGSSB38-03**

Matrix: **Solids**
Sampled: **4/20/2023 13:38**

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Method
Moisture	**13.9**	%			1	04/24/23 14:15	JLS	SW-DRYWT

Qualifiers/ Definitions	DF	Dilution Factor	J	Estimated value
	MQL	Method Quantitation Limit		

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Report Date : 04/26/2023
Received : 04/20/2023

Rebekah Ross
Project Manager

Report Number : **23-111-0041**

REPORT OF ANALYSIS

Lab No : **81045**
Sample ID : **LEGSSB38-03**

Matrix: **Solids**
Sampled: **4/20/2023 13:38**

Analytical Method: 8270D SIM **Prep Batch(es):** **L677722** 04/23/23 07:25
Prep Method: 3550B

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Batch
Acenaphthene	**0.0307**	mg/Kg - dry	0.000353	0.000778	1	04/23/23 18:37	SMB	L677866
Acenaphthylene	**0.00829**	mg/Kg - dry	0.000313	0.000778	1	04/23/23 18:37	SMB	L677866
Anthracene	**0.0715**	mg/Kg - dry	0.000387	0.000778	1	04/23/23 18:37	SMB	L677866
Benzo(a)anthracene	**0.170**	mg/Kg - dry	0.000572	0.000778	1	04/23/23 18:37	SMB	L677866
Benzo(a)pyrene	**0.151**	mg/Kg - dry	0.000543	0.000778	1	04/23/23 18:37	SMB	L677866
Benzo(b)fluoranthene	**0.145**	mg/Kg - dry	0.000679	0.000778	1	04/23/23 18:37	SMB	L677866
Benzo(g,h,i)perylene	**0.0808**	mg/Kg - dry	0.000742	0.000778	1	04/23/23 18:37	SMB	L677866
Benzo(k)fluoranthene	**0.0973**	mg/Kg - dry	0.000507	0.000778	1	04/23/23 18:37	SMB	L677866
Chrysene	**0.167**	mg/Kg - dry	0.000724	0.000778	1	04/23/23 18:37	SMB	L677866
Dibenz(a,h)anthracene	**0.0321**	mg/Kg - dry	0.000713	0.000778	1	04/23/23 18:37	SMB	L677866
Fluoranthene	**0.336**	mg/Kg - dry	0.000457	0.000778	1	04/23/23 18:37	SMB	L677866
Fluorene	**0.0380**	mg/Kg - dry	0.000332	0.000778	1	04/23/23 18:37	SMB	L677866
Indeno(1,2,3-cd)pyrene	**0.105**	mg/Kg - dry	0.000728	0.000778	1	04/23/23 18:37	SMB	L677866
2-Methylnaphthalene	**0.00861**	mg/Kg - dry	0.00225	0.00233	1	04/23/23 18:37	SMB	L677866
Naphthalene	**0.00885**	mg/Kg - dry	0.00168	0.00233	1	04/23/23 18:37	SMB	L677866
Phenanthrene	**0.260**	mg/Kg - dry	0.000488	0.000778	1	04/23/23 18:37	SMB	L677866
Pyrene	**0.246**	mg/Kg - dry	0.000746	0.000778	1	04/23/23 18:37	SMB	L677866
Surrogate: 2-Fluorobiphenyl	48.2			Limits: 33-115%	1	04/23/23 18:37	SMB	L677866
Surrogate: Nitrobenzene-d5	52.4			Limits: 29-110%	1	04/23/23 18:37	SMB	L677866
Surrogate: 4-Terphenyl-d14	54.2			Limits: 33-122%	1	04/23/23 18:37	SMB	L677866

Qualifiers/ Definitions

DF Dilution Factor
MQL Method Quantitation Limit
J Estimated value

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Information : 198 N. Pauline-Memphis, TN
Project No. 0888834617

Report Date : 04/26/2023
Received : 04/20/2023

Rebekah Ross
Project Manager

Report Number : **23-111-0041**

REPORT OF ANALYSIS

Lab No : **81046**
Sample ID : **LEGSSB39-01**

Matrix: **Solids**
Sampled: **4/20/2023 13:46**

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Method
Moisture	**14.4**	%			1	04/24/23 14:15	JLS	SW-DRYWT

Qualifiers/ Definitions

DF Dilution Factor
MQL Method Quantitation Limit
J Estimated value

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Report Date : 04/26/2023
Received : 04/20/2023

Rebekah Ross
Project Manager

Report Number : **23-111-0041**

REPORT OF ANALYSIS

Lab No : **81046**
Sample ID : **LEGSSB39-01**

Matrix: **Solids**
Sampled: **4/20/2023 13:46**

Analytical Method: 8270D SIM **Prep Batch(es):** **L677722** 04/23/23 07:25
Prep Method: 3550B

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Batch
Acenaphthene	**0.00518**	mg/Kg - dry	0.000355	0.000782	1	04/23/23 19:36	SMB	L677866
Acenaphthylene	**0.00648**	mg/Kg - dry	0.000315	0.000782	1	04/23/23 19:36	SMB	L677866
Anthracene	**0.0168**	mg/Kg - dry	0.000390	0.000782	1	04/23/23 19:36	SMB	L677866
Benzo(a)anthracene	**0.0952**	mg/Kg - dry	0.000575	0.000782	1	04/23/23 19:36	SMB	L677866
Benzo(a)pyrene	**0.0912**	mg/Kg - dry	0.000546	0.000782	1	04/23/23 19:36	SMB	L677866
Benzo(b)fluoranthene	**0.0918**	mg/Kg - dry	0.000683	0.000782	1	04/23/23 19:36	SMB	L677866
Benzo(g,h,i)perylene	**0.0493**	mg/Kg - dry	0.000746	0.000782	1	04/23/23 19:36	SMB	L677866
Benzo(k)fluoranthene	**0.0525**	mg/Kg - dry	0.000510	0.000782	1	04/23/23 19:36	SMB	L677866
Chrysene	**0.0897**	mg/Kg - dry	0.000728	0.000782	1	04/23/23 19:36	SMB	L677866
Dibenz(a,h)anthracene	**0.0188**	mg/Kg - dry	0.000717	0.000782	1	04/23/23 19:36	SMB	L677866
Fluoranthene	**0.178**	mg/Kg - dry	0.000460	0.000782	1	04/23/23 19:36	SMB	L677866
Fluorene	**0.00553**	mg/Kg - dry	0.000334	0.000782	1	04/23/23 19:36	SMB	L677866
Indeno(1,2,3-cd)pyrene	**0.0658**	mg/Kg - dry	0.000732	0.000782	1	04/23/23 19:36	SMB	L677866
2-Methylnaphthalene	**0.00383**	mg/Kg - dry	0.00227	0.00235	1	04/23/23 19:36	SMB	L677866
Naphthalene	**0.00271**	mg/Kg - dry	0.00169	0.00235	1	04/23/23 19:36	SMB	L677866
Phenanthrene	**0.0867**	mg/Kg - dry	0.000491	0.000782	1	04/23/23 19:36	SMB	L677866
Pyrene	**0.138**	mg/Kg - dry	0.000751	0.000782	1	04/23/23 19:36	SMB	L677866
Surrogate: 2-Fluorobiphenyl	49.1	Limits: 33-115%			1	04/23/23 19:36	SMB	L677866
Surrogate: Nitrobenzene-d5	50.6	Limits: 29-110%			1	04/23/23 19:36	SMB	L677866
Surrogate: 4-Terphenyl-d14	56.0	Limits: 33-122%			1	04/23/23 19:36	SMB	L677866

Qualifiers/ Definitions

DF Dilution Factor
MQL Method Quantitation Limit
J Estimated value

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Information : 198 N. Pauline-Memphis, TN
Project No. 0888834617

Report Date : 04/26/2023
Received : 04/20/2023

Rebekah Ross
Project Manager

Report Number : **23-111-0041**

REPORT OF ANALYSIS

Lab No : **81047**
Sample ID : **LEGSSB40-01**

Matrix: **Solids**
Sampled: **4/20/2023 13:54**

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Method
Moisture	**17.0**	%			1	04/24/23 14:15	JLS	SW-DRYWT

Qualifiers/ Definitions	DF	Dilution Factor	J	Estimated value
	MQL	Method Quantitation Limit		

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Report Date : 04/26/2023
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Rebekah Ross
Project Manager

Report Number : **23-111-0041**

REPORT OF ANALYSIS

Lab No : **81047**
Sample ID : **LEGSSB40-01**

Matrix: **Solids**
Sampled: **4/20/2023 13:54**

Analytical Method: 8270D SIM **Prep Batch(es):** **L677722** 04/23/23 07:25
Prep Method: 3550B

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Batch
Acenaphthene	**0.00890**	mg/Kg - dry	0.000366	0.000807	1	04/23/23 19:51	SMB	L677866
Acenaphthylene	**0.0124**	mg/Kg - dry	0.000325	0.000807	1	04/23/23 19:51	SMB	L677866
Anthracene	**0.0254**	mg/Kg - dry	0.000402	0.000807	1	04/23/23 19:51	SMB	L677866
Benzo(a)anthracene	**0.133**	mg/Kg - dry	0.000593	0.000807	1	04/23/23 19:51	SMB	L677866
Benzo(a)pyrene	**0.129**	mg/Kg - dry	0.000563	0.000807	1	04/23/23 19:51	SMB	L677866
Benzo(b)fluoranthene	**0.124**	mg/Kg - dry	0.000704	0.000807	1	04/23/23 19:51	SMB	L677866
Benzo(g,h,i)perylene	**0.0751**	mg/Kg - dry	0.000769	0.000807	1	04/23/23 19:51	SMB	L677866
Benzo(k)fluoranthene	**0.0655**	mg/Kg - dry	0.000526	0.000807	1	04/23/23 19:51	SMB	L677866
Chrysene	**0.122**	mg/Kg - dry	0.000751	0.000807	1	04/23/23 19:51	SMB	L677866
Dibenz(a,h)anthracene	**0.0272**	mg/Kg - dry	0.000739	0.000807	1	04/23/23 19:51	SMB	L677866
Fluoranthene	**0.257**	mg/Kg - dry	0.000474	0.000807	1	04/23/23 19:51	SMB	L677866
Fluorene	**0.00873**	mg/Kg - dry	0.000344	0.000807	1	04/23/23 19:51	SMB	L677866
Indeno(1,2,3-cd)pyrene	**0.0966**	mg/Kg - dry	0.000755	0.000807	1	04/23/23 19:51	SMB	L677866
2-Methylnaphthalene	**0.00410**	mg/Kg - dry	0.00234	0.00242	1	04/23/23 19:51	SMB	L677866
Naphthalene	**0.00412**	mg/Kg - dry	0.00175	0.00242	1	04/23/23 19:51	SMB	L677866
Phenanthrene	**0.149**	mg/Kg - dry	0.000507	0.000807	1	04/23/23 19:51	SMB	L677866
Pyrene	**0.206**	mg/Kg - dry	0.000774	0.000807	1	04/23/23 19:51	SMB	L677866
Surrogate: 2-Fluorobiphenyl	51.8	Limits: 33-115%			1	04/23/23 19:51	SMB	L677866
Surrogate: Nitrobenzene-d5	53.9	Limits: 29-110%			1	04/23/23 19:51	SMB	L677866
Surrogate: 4-Terphenyl-d14	63.0	Limits: 33-122%			1	04/23/23 19:51	SMB	L677866

Qualifiers/ Definitions

DF Dilution Factor
MQL Method Quantitation Limit
J Estimated value

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Project Legends Park

Information : 198 N. Pauline-Memphis, TN
Project No. 0888834617

Report Date : 04/26/2023
Received : 04/20/2023

Rebekah Ross
Project Manager

Report Number : **23-111-0041**

REPORT OF ANALYSIS

Lab No : **81048**
Sample ID : **LEGSSB41-01**

Matrix: **Solids**
Sampled: **4/20/2023 13:57**

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Method
Moisture	**18.0**	%			1	04/24/23 14:15	JLS	SW-DRYWT

Qualifiers/ Definitions	DF	Dilution Factor	J	Estimated value
	MQL	Method Quantitation Limit		

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Report Date : 04/26/2023
Received : 04/20/2023

Rebekah Ross
Project Manager

Report Number : **23-111-0041**

REPORT OF ANALYSIS

Lab No : **81048**
Sample ID : **LEGSSB41-01**

Matrix: **Solids**
Sampled: **4/20/2023 13:57**

Analytical Method: 8270D SIM **Prep Batch(es):** **L677722** 04/23/23 07:25
Prep Method: 3550B

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Batch
Acenaphthene	**0.0167**	mg/Kg - dry	0.000370	0.000817	1	04/23/23 18:51	SMB	L677866
Acenaphthylene	**0.0160**	mg/Kg - dry	0.000329	0.000817	1	04/23/23 18:51	SMB	L677866
Anthracene	**0.0534**	mg/Kg - dry	0.000407	0.000817	1	04/23/23 18:51	SMB	L677866
Benzo(a)anthracene	**0.240**	mg/Kg - dry	0.000601	0.000817	1	04/24/23 23:25	SMB	L677866
Benzo(a)pyrene	**0.246**	mg/Kg - dry	0.000570	0.000817	1	04/23/23 18:51	SMB	L677866
Benzo(b)fluoranthene	**0.165**	mg/Kg - dry	0.000713	0.000817	1	04/24/23 23:25	SMB	L677866
Benzo(g,h,i)perylene	**0.143**	mg/Kg - dry	0.000779	0.000817	1	04/23/23 18:51	SMB	L677866
Benzo(k)fluoranthene	**0.157**	mg/Kg - dry	0.000532	0.000817	1	04/23/23 18:51	SMB	L677866
Chrysene	**0.249**	mg/Kg - dry	0.000760	0.000817	1	04/23/23 18:51	SMB	L677866
Dibenz(a,h)anthracene	**0.0540**	mg/Kg - dry	0.000748	0.000817	1	04/23/23 18:51	SMB	L677866
Fluoranthene	**0.465**	mg/Kg - dry	0.000480	0.000817	1	04/23/23 18:51	SMB	L677866
Fluorene	**0.0206**	mg/Kg - dry	0.000348	0.000817	1	04/23/23 18:51	SMB	L677866
Indeno(1,2,3-cd)pyrene	**0.166**	mg/Kg - dry	0.000764	0.000817	1	04/23/23 18:51	SMB	L677866
2-Methylnaphthalene	**0.00612**	mg/Kg - dry	0.00237	0.00245	1	04/23/23 18:51	SMB	L677866
Naphthalene	**0.00537**	mg/Kg - dry	0.00177	0.00245	1	04/23/23 18:51	SMB	L677866
Phenanthrene	**0.244**	mg/Kg - dry	0.000513	0.000817	1	04/23/23 18:51	SMB	L677866
Pyrene	**0.283**	mg/Kg - dry	0.000784	0.000817	1	04/23/23 18:51	SMB	L677866
Surrogate: 2-Fluorobiphenyl	43.9	Limits: 33-115%			1	04/23/23 18:51	SMB	L677866
Surrogate: Nitrobenzene-d5	44.2	Limits: 29-110%			1	04/23/23 18:51	SMB	L677866
Surrogate: 4-Terphenyl-d14	47.0	Limits: 33-122%			1	04/23/23 18:51	SMB	L677866

Qualifiers/ Definitions

DF Dilution Factor
MQL Method Quantitation Limit
J Estimated value

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Information : 198 N. Pauline-Memphis, TN
Project No. 0888834617

Report Date : 04/26/2023
Received : 04/20/2023

Rebekah Ross
Project Manager

Report Number : **23-111-0041**

REPORT OF ANALYSIS

Lab No : **81049**
Sample ID : **LEGSSB43-01**

Matrix: **Solids**
Sampled: **4/20/2023 14:21**

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Method
Moisture	**15.5**	%			1	04/24/23 14:15	JLS	SW-DRYWT

Qualifiers/ Definitions

DF Dilution Factor
MQL Method Quantitation Limit
J Estimated value

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Report Date : 04/26/2023
Received : 04/20/2023

Rebekah Ross
Project Manager

Report Number : **23-111-0041**

REPORT OF ANALYSIS

Lab No : **81049**
Sample ID : **LEGSSB43-01**

Matrix: **Solids**
Sampled: **4/20/2023 14:21**

Analytical Method: 8270D SIM **Prep Batch(es):** **L677722** 04/23/23 07:25
Prep Method: 3550B

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Batch
Acenaphthene	**0.0118**	mg/Kg - dry	0.000359	0.000792	1	04/23/23 20:06	SMB	L677866
Acenaphthylene	**0.00516**	mg/Kg - dry	0.000319	0.000792	1	04/23/23 20:06	SMB	L677866
Anthracene	**0.0343**	mg/Kg - dry	0.000395	0.000792	1	04/23/23 20:06	SMB	L677866
Benzo(a)anthracene	**0.195**	mg/Kg - dry	0.000583	0.000792	1	04/24/23 23:57	SMB	L677866
Benzo(a)pyrene	**0.199**	mg/Kg - dry	0.000553	0.000792	1	04/23/23 20:06	SMB	L677866
Benzo(b)fluoranthene	**0.169**	mg/Kg - dry	0.000692	0.000792	1	04/23/23 20:06	SMB	L677866
Benzo(g,h,i)perylene	**0.0957**	mg/Kg - dry	0.000756	0.000792	1	04/23/23 20:06	SMB	L677866
Benzo(k)fluoranthene	**0.0973**	mg/Kg - dry	0.000517	0.000792	1	04/23/23 20:06	SMB	L677866
Chrysene	**0.208**	mg/Kg - dry	0.000738	0.000792	1	04/23/23 20:06	SMB	L677866
Dibenz(a,h)anthracene	**0.0391**	mg/Kg - dry	0.000726	0.000792	1	04/23/23 20:06	SMB	L677866
Fluoranthene	**0.373**	mg/Kg - dry	0.000466	0.000792	1	04/23/23 20:06	SMB	L677866
Fluorene	**0.0110**	mg/Kg - dry	0.000338	0.000792	1	04/23/23 20:06	SMB	L677866
Indeno(1,2,3-cd)pyrene	**0.113**	mg/Kg - dry	0.000742	0.000792	1	04/23/23 20:06	SMB	L677866
2-Methylnaphthalene	**0.00230 J**	mg/Kg - dry	0.00230	0.00238	1	04/23/23 20:06	SMB	L677866
Naphthalene	**0.00213 J**	mg/Kg - dry	0.00172	0.00238	1	04/23/23 20:06	SMB	L677866
Phenanthrene	**0.178**	mg/Kg - dry	0.000498	0.000792	1	04/23/23 20:06	SMB	L677866
Pyrene	**0.279**	mg/Kg - dry	0.000760	0.000792	1	04/23/23 20:06	SMB	L677866
Surrogate: 2-Fluorobiphenyl	48.2	Limits: 33-115%			1	04/23/23 20:06	SMB	L677866
Surrogate: Nitrobenzene-d5	50.0	Limits: 29-110%			1	04/23/23 20:06	SMB	L677866
Surrogate: 4-Terphenyl-d14	54.3	Limits: 33-122%			1	04/23/23 20:06	SMB	L677866

Qualifiers/ Definitions
DF Dilution Factor
MQL Method Quantitation Limit
J Estimated value

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Project Legends Park

Information : 198 N. Pauline-Memphis, TN
Project No. 0888834617

Report Date : 04/26/2023
Received : 04/20/2023

Rebekah Ross
Project Manager

Report Number : **23-111-0041**

REPORT OF ANALYSIS

Lab No : **81050**
Sample ID : **LEGSSB42-01**

Matrix: **Solids**
Sampled: **4/20/2023 14:28**

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Method
Moisture	**16.7**	%			1	04/24/23 14:15	JLS	SW-DRYWT

Qualifiers/ Definitions	DF	Dilution Factor	J	Estimated value
	MQL	Method Quantitation Limit		

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Report Date : 04/26/2023
Received : 04/20/2023

Rebekah Ross
Project Manager

Report Number : **23-111-0041**

REPORT OF ANALYSIS

Lab No : **81050**
Sample ID : **LEGSSB42-01**

Matrix: **Solids**
Sampled: **4/20/2023 14:28**

Analytical Method: 8270D SIM **Prep Batch(es):** **L677722** 04/23/23 07:25
Prep Method: 3550B

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Batch
Acenaphthene	**0.196**	mg/Kg - dry	0.000364	0.000804	1	04/23/23 20:20	SMB	L677866
Acenaphthylene	**0.0109**	mg/Kg - dry	0.000324	0.000804	1	04/23/23 20:20	SMB	L677866
Anthracene	**0.373**	mg/Kg - dry	0.000400	0.000804	1	04/23/23 20:20	SMB	L677866
Benzo(a)anthracene	**1.18**	mg/Kg - dry	0.00592	0.00804	10	04/25/23 00:30	SMB	L677866
Benzo(a)pyrene	**1.21**	mg/Kg - dry	0.00562	0.00804	10	04/25/23 00:30	SMB	L677866
Benzo(b)fluoranthene	**0.727**	mg/Kg - dry	0.00702	0.00804	10	04/25/23 00:30	SMB	L677866
Benzo(g,h,i)perylene	**0.550**	mg/Kg - dry	0.00767	0.00804	10	04/25/23 00:30	SMB	L677866
Benzo(k)fluoranthene	**0.598**	mg/Kg - dry	0.000524	0.000804	1	04/23/23 20:20	SMB	L677866
Chrysene	**1.08**	mg/Kg - dry	0.00749	0.00804	10	04/25/23 00:30	SMB	L677866
Dibenz(a,h)anthracene	**0.224**	mg/Kg - dry	0.000737	0.000804	1	04/23/23 20:20	SMB	L677866
Fluoranthene	**2.35**	mg/Kg - dry	0.00473	0.00804	10	04/25/23 00:30	SMB	L677866
Fluorene	**0.187**	mg/Kg - dry	0.000343	0.000804	1	04/23/23 20:20	SMB	L677866
Indeno(1,2,3-cd)pyrene	**0.492**	mg/Kg - dry	0.00753	0.00804	10	04/25/23 00:30	SMB	L677866
2-Methylnaphthalene	**0.0230**	mg/Kg - dry	0.00233	0.00241	1	04/23/23 20:20	SMB	L677866
Naphthalene	**0.0145**	mg/Kg - dry	0.00174	0.00241	1	04/23/23 20:20	SMB	L677866
Phenanthrene	**1.69**	mg/Kg - dry	0.00505	0.00804	10	04/25/23 00:30	SMB	L677866
Pyrene	**1.78**	mg/Kg - dry	0.00772	0.00804	10	04/25/23 00:30	SMB	L677866
Surrogate: 2-Fluorobiphenyl	47.0	Limits: 33-115%			1	04/23/23 20:20	SMB	L677866
Surrogate: Nitrobenzene-d5	49.1	Limits: 29-110%			1	04/23/23 20:20	SMB	L677866
Surrogate: 4-Terphenyl-d14	49.7	Limits: 33-122%			1	04/23/23 20:20	SMB	L677866

Qualifiers/ Definitions

DF Dilution Factor
MQL Method Quantitation Limit
J Estimated value

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Project Legends Park

Information : 198 N. Pauline-Memphis, TN
Project No. 0888834617

Report Date : 04/26/2023
Received : 04/20/2023

Rebekah Ross
Project Manager

Report Number : **23-111-0041**

REPORT OF ANALYSIS

Lab No : **81051**
Sample ID : **LEGSSB42-03**

Matrix: **Solids**
Sampled: **4/20/2023 14:30**

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Method
Moisture	**17.1**	%			1	04/24/23 13:25	JLS	SW-DRYWT

Qualifiers/ Definitions

DF Dilution Factor
MQL Method Quantitation Limit
J Estimated value

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Report Date : 04/26/2023
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Rebekah Ross
Project Manager

Report Number : **23-111-0041**

REPORT OF ANALYSIS

Lab No : **81051**
Sample ID : **LEGSSB42-03**

Matrix: **Solids**
Sampled: **4/20/2023 14:30**

Analytical Method: 8270D SIM **Prep Batch(es):** **L677722** 04/23/23 07:25
Prep Method: 3550B

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Batch
Acenaphthene	**0.158**	mg/Kg - dry	0.000366	0.000808	1	04/23/23 20:35	SMB	L677866
Acenaphthylene	**0.0165**	mg/Kg - dry	0.000325	0.000808	1	04/23/23 20:35	SMB	L677866
Anthracene	**0.434**	mg/Kg - dry	0.000402	0.000808	1	04/23/23 20:35	SMB	L677866
Benzo(a)anthracene	**1.76**	mg/Kg - dry	0.00595	0.00808	10	04/25/23 00:46	SMB	L677866
Benzo(a)pyrene	**1.50**	mg/Kg - dry	0.00565	0.00808	10	04/25/23 00:46	SMB	L677866
Benzo(b)fluoranthene	**1.20**	mg/Kg - dry	0.00706	0.00808	10	04/25/23 00:46	SMB	L677866
Benzo(g,h,i)perylene	**0.557**	mg/Kg - dry	0.00771	0.00808	10	04/25/23 00:46	SMB	L677866
Benzo(k)fluoranthene	**0.484**	mg/Kg - dry	0.00527	0.00808	10	04/25/23 00:46	SMB	L677866
Chrysene	**1.63**	mg/Kg - dry	0.00753	0.00808	10	04/25/23 00:46	SMB	L677866
Dibenz(a,h)anthracene	**0.244**	mg/Kg - dry	0.000740	0.000808	1	04/23/23 20:35	SMB	L677866
Fluoranthene	**3.10**	mg/Kg - dry	0.00475	0.00808	10	04/25/23 00:46	SMB	L677866
Fluorene	**0.182**	mg/Kg - dry	0.000344	0.000808	1	04/23/23 20:35	SMB	L677866
Indeno(1,2,3-cd)pyrene	**0.461**	mg/Kg - dry	0.00756	0.00808	10	04/25/23 00:46	SMB	L677866
2-Methylnaphthalene	**0.0729**	mg/Kg - dry	0.00234	0.00242	1	04/23/23 20:35	SMB	L677866
Naphthalene	**0.139**	mg/Kg - dry	0.00175	0.00242	1	04/23/23 20:35	SMB	L677866
Phenanthrene	**2.57**	mg/Kg - dry	0.00508	0.00808	10	04/25/23 00:46	SMB	L677866
Pyrene	**2.44**	mg/Kg - dry	0.00776	0.00808	10	04/25/23 00:46	SMB	L677866
Surrogate: 2-Fluorobiphenyl	37.4	Limits: 33-115%			1	04/23/23 20:35	SMB	L677866
Surrogate: Nitrobenzene-d5	40.2	Limits: 29-110%			1	04/23/23 20:35	SMB	L677866
Surrogate: 4-Terphenyl-d14	43.9	Limits: 33-122%			1	04/23/23 20:35	SMB	L677866

Qualifiers/ Definitions

DF Dilution Factor
MQL Method Quantitation Limit
J Estimated value

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Project Legends Park

Information : 198 N. Pauline-Memphis, TN
Project No. 0888834617

Report Date : 04/26/2023
Received : 04/20/2023

Rebekah Ross
Project Manager

Report Number : **23-111-0041**

REPORT OF ANALYSIS

Lab No : **81052**
Sample ID : **LEGSSB43-04**

Matrix: **Solids**
Sampled: **4/20/2023 14:34**

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Method
Moisture	**15.4**	%			1	04/24/23 13:25	JLS	SW-DRYWT

Qualifiers/ Definitions				
	DF	Dilution Factor	J	Estimated value
	MQL	Method Quantitation Limit		

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Report Date : 04/26/2023
Received : 04/20/2023

Rebekah Ross
Project Manager

Report Number : **23-111-0041**

REPORT OF ANALYSIS

Lab No : **81052**
Sample ID : **LEGSSB43-04**

Matrix: **Solids**
Sampled: **4/20/2023 14:34**

Analytical Method: 8270D SIM **Prep Batch(es):** **L677722** 04/23/23 07:25
Prep Method: 3550B

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Batch
Acenaphthene	**0.00349**	mg/Kg - dry	0.000359	0.000791	1	04/23/23 20:50	SMB	L677866
Acenaphthylene	**0.000678 J**	mg/Kg - dry	0.000319	0.000791	1	04/23/23 20:50	SMB	L677866
Anthracene	**0.0126**	mg/Kg - dry	0.000394	0.000791	1	04/23/23 20:50	SMB	L677866
Benzo(a)anthracene	**0.0423**	mg/Kg - dry	0.000582	0.000791	1	04/23/23 20:50	SMB	L677866
Benzo(a)pyrene	**0.0330**	mg/Kg - dry	0.000553	0.000791	1	04/23/23 20:50	SMB	L677866
Benzo(b)fluoranthene	**0.0350**	mg/Kg - dry	0.000691	0.000791	1	04/23/23 20:50	SMB	L677866
Benzo(g,h,i)perylene	**0.0170**	mg/Kg - dry	0.000755	0.000791	1	04/23/23 20:50	SMB	L677866
Benzo(k)fluoranthene	**0.0141**	mg/Kg - dry	0.000516	0.000791	1	04/23/23 20:50	SMB	L677866
Chrysene	**0.0364**	mg/Kg - dry	0.000737	0.000791	1	04/23/23 20:50	SMB	L677866
Dibenz(a,h)anthracene	**0.00704**	mg/Kg - dry	0.000725	0.000791	1	04/23/23 20:50	SMB	L677866
Fluoranthene	**0.0765**	mg/Kg - dry	0.000465	0.000791	1	04/23/23 20:50	SMB	L677866
Fluorene	**0.00463**	mg/Kg - dry	0.000338	0.000791	1	04/23/23 20:50	SMB	L677866
Indeno(1,2,3-cd)pyrene	**0.0252**	mg/Kg - dry	0.000741	0.000791	1	04/23/23 20:50	SMB	L677866
2-Methylnaphthalene	<0.00229	mg/Kg - dry	0.00229	0.00238	1	04/23/23 20:50	SMB	L677866
Naphthalene	<0.00171	mg/Kg - dry	0.00171	0.00238	1	04/23/23 20:50	SMB	L677866
Phenanthrene	**0.0498**	mg/Kg - dry	0.000497	0.000791	1	04/23/23 20:50	SMB	L677866
Pyrene	**0.0573**	mg/Kg - dry	0.000760	0.000791	1	04/23/23 20:50	SMB	L677866
Surrogate: 2-Fluorobiphenyl	48.2		Limits: 33-115%		1	04/23/23 20:50	SMB	L677866
Surrogate: Nitrobenzene-d5	51.5		Limits: 29-110%		1	04/23/23 20:50	SMB	L677866
Surrogate: 4-Terphenyl-d14	56.7		Limits: 33-122%		1	04/23/23 20:50	SMB	L677866

Qualifiers/ Definitions

DF Dilution Factor
MQL Method Quantitation Limit
J Estimated value

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Project Legends Park

Information : 198 N. Pauline-Memphis, TN
Project No. 0888834617

Report Date : 04/26/2023
Received : 04/20/2023

Rebekah Ross
Project Manager

Report Number : **23-111-0041**

REPORT OF ANALYSIS

Lab No : **81053**
Sample ID : **LEGSSB44-01**

Matrix: **Solids**
Sampled: **4/20/2023 14:57**

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Method
Moisture	**20.1**	%			1	04/24/23 13:25	JLS	SW-DRYWT

Qualifiers/ Definitions

DF Dilution Factor
MQL Method Quantitation Limit
J Estimated value

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Report Date : 04/26/2023
Received : 04/20/2023

Rebekah Ross
Project Manager

Report Number : **23-111-0041**

REPORT OF ANALYSIS

Lab No : **81053**
Sample ID : **LEGSSB44-01**

Matrix: **Solids**
Sampled: **4/20/2023 14:57**

Analytical Method: 8270D SIM **Prep Batch(es):** **L677722** 04/23/23 07:25
Prep Method: 3550B

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Batch
Acenaphthene	**0.00317**	mg/Kg - dry	0.000380	0.000838	1	04/23/23 21:05	SMB	L677866
Acenaphthylene	**0.00114**	mg/Kg - dry	0.000337	0.000838	1	04/23/23 21:05	SMB	L677866
Anthracene	**0.0138**	mg/Kg - dry	0.000418	0.000838	1	04/23/23 21:05	SMB	L677866
Benzo(a)anthracene	**0.0867**	mg/Kg - dry	0.000617	0.000838	1	04/23/23 21:05	SMB	L677866
Benzo(a)pyrene	**0.0775**	mg/Kg - dry	0.000585	0.000838	1	04/23/23 21:05	SMB	L677866
Benzo(b)fluoranthene	**0.0819**	mg/Kg - dry	0.000732	0.000838	1	04/23/23 21:05	SMB	L677866
Benzo(g,h,i)perylene	**0.0417**	mg/Kg - dry	0.000799	0.000838	1	04/23/23 21:05	SMB	L677866
Benzo(k)fluoranthene	**0.0339**	mg/Kg - dry	0.000546	0.000838	1	04/23/23 21:05	SMB	L677866
Chrysene	**0.0807**	mg/Kg - dry	0.000780	0.000838	1	04/23/23 21:05	SMB	L677866
Dibenz(a,h)anthracene	**0.0170**	mg/Kg - dry	0.000768	0.000838	1	04/23/23 21:05	SMB	L677866
Fluoranthene	**0.146**	mg/Kg - dry	0.000493	0.000838	1	04/23/23 21:05	SMB	L677866
Fluorene	**0.00303**	mg/Kg - dry	0.000357	0.000838	1	04/23/23 21:05	SMB	L677866
Indeno(1,2,3-cd)pyrene	**0.0626**	mg/Kg - dry	0.000784	0.000838	1	04/23/23 21:05	SMB	L677866
2-Methylnaphthalene	<0.00243	mg/Kg - dry	0.00243	0.00252	1	04/23/23 21:05	SMB	L677866
Naphthalene	<0.00181	mg/Kg - dry	0.00181	0.00252	1	04/23/23 21:05	SMB	L677866
Phenanthrene	**0.0613**	mg/Kg - dry	0.000526	0.000838	1	04/23/23 21:05	SMB	L677866
Pyrene	**0.105**	mg/Kg - dry	0.000804	0.000838	1	04/23/23 21:05	SMB	L677866
Surrogate: 2-Fluorobiphenyl	46.8	Limits: 33-115%			1	04/23/23 21:05	SMB	L677866
Surrogate: Nitrobenzene-d5	48.6	Limits: 29-110%			1	04/23/23 21:05	SMB	L677866
Surrogate: 4-Terphenyl-d14	51.7	Limits: 33-122%			1	04/23/23 21:05	SMB	L677866

Qualifiers/ Definitions

DF Dilution Factor
MQL Method Quantitation Limit
J Estimated value

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Project No. 0888834617

Report Date : 04/26/2023
Received : 04/20/2023

Rebekah Ross
Project Manager

Report Number : **23-111-0041**

REPORT OF ANALYSIS

Lab No : **81054**
Sample ID : **LEGSSB45-01**

Matrix: **Solids**
Sampled: **4/20/2023 15:00**

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Method
Moisture	**16.8**	%			1	04/24/23 13:25	JLS	SW-DRYWT

Qualifiers/ Definitions				
	DF	Dilution Factor	J	Estimated value
	MQL	Method Quantitation Limit		

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Report Date : 04/26/2023
Received : 04/20/2023

Rebekah Ross
Project Manager

Report Number : **23-111-0041**

REPORT OF ANALYSIS

Lab No : **81054**
Sample ID : **LEGSSB45-01**

Matrix: **Solids**
Sampled: **4/20/2023 15:00**

Analytical Method: 8270D SIM **Prep Batch(es):** **L677722** 04/23/23 07:25
Prep Method: 3550B

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Batch
Acenaphthene	**0.00226**	mg/Kg - dry	0.000365	0.000805	1	04/23/23 21:20	SMB	L677866
Acenaphthylene	**0.00389**	mg/Kg - dry	0.000324	0.000805	1	04/23/23 21:20	SMB	L677866
Anthracene	**0.00933**	mg/Kg - dry	0.000401	0.000805	1	04/23/23 21:20	SMB	L677866
Benzo(a)anthracene	**0.0865**	mg/Kg - dry	0.000592	0.000805	1	04/23/23 21:20	SMB	L677866
Benzo(a)pyrene	**0.0916**	mg/Kg - dry	0.000562	0.000805	1	04/23/23 21:20	SMB	L677866
Benzo(b)fluoranthene	**0.0960**	mg/Kg - dry	0.000703	0.000805	1	04/23/23 21:20	SMB	L677866
Benzo(g,h,i)perylene	**0.0513**	mg/Kg - dry	0.000768	0.000805	1	04/23/23 21:20	SMB	L677866
Benzo(k)fluoranthene	**0.0334**	mg/Kg - dry	0.000525	0.000805	1	04/23/23 21:20	SMB	L677866
Chrysene	**0.0837**	mg/Kg - dry	0.000750	0.000805	1	04/23/23 21:20	SMB	L677866
Dibenz(a,h)anthracene	**0.0190**	mg/Kg - dry	0.000737	0.000805	1	04/23/23 21:20	SMB	L677866
Fluoranthene	**0.149**	mg/Kg - dry	0.000473	0.000805	1	04/23/23 21:20	SMB	L677866
Fluorene	**0.00207**	mg/Kg - dry	0.000343	0.000805	1	04/23/23 21:20	SMB	L677866
Indeno(1,2,3-cd)pyrene	**0.0633**	mg/Kg - dry	0.000753	0.000805	1	04/23/23 21:20	SMB	L677866
2-Methylnaphthalene	<0.00233	mg/Kg - dry	0.00233	0.00242	1	04/23/23 21:20	SMB	L677866
Naphthalene	<0.00174	mg/Kg - dry	0.00174	0.00242	1	04/23/23 21:20	SMB	L677866
Phenanthrene	**0.0476**	mg/Kg - dry	0.000506	0.000805	1	04/23/23 21:20	SMB	L677866
Pyrene	**0.111**	mg/Kg - dry	0.000772	0.000805	1	04/23/23 21:20	SMB	L677866
Surrogate: 2-Fluorobiphenyl	48.8	Limits: 33-115%			1	04/23/23 21:20	SMB	L677866
Surrogate: Nitrobenzene-d5	51.8	Limits: 29-110%			1	04/23/23 21:20	SMB	L677866
Surrogate: 4-Terphenyl-d14	53.7	Limits: 33-122%			1	04/23/23 21:20	SMB	L677866

Qualifiers/ Definitions
DF Dilution Factor
MQL Method Quantitation Limit
J Estimated value

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Information : 198 N. Pauline-Memphis, TN
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Report Date : 04/26/2023
Received : 04/20/2023

Rebekah Ross
Project Manager

Report Number : **23-111-0041**

REPORT OF ANALYSIS

Lab No : **81055**
Sample ID : **LEGSSB46-01**

Matrix: **Solids**
Sampled: **4/20/2023 15:15**

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Method
Moisture	**13.7**	%			1	04/24/23 13:25	JLS	SW-DRYWT

Qualifiers/ Definitions	DF	Dilution Factor	J	Estimated value
	MQL	Method Quantitation Limit		

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Report Date : 04/26/2023
Received : 04/20/2023

Rebekah Ross
Project Manager

Report Number : **23-111-0041**

REPORT OF ANALYSIS

Lab No : **81055**
Sample ID : **LEGSSB46-01**

Matrix: **Solids**
Sampled: **4/20/2023 15:15**

Analytical Method: 8270D SIM **Prep Batch(es):** **L677722** 04/23/23 07:25
Prep Method: 3550B

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Batch
Acenaphthene	**0.00329**	mg/Kg - dry	0.000352	0.000776	1	04/23/23 21:35	SMB	L677866
Acenaphthylene	**0.00159**	mg/Kg - dry	0.000312	0.000776	1	04/23/23 21:35	SMB	L677866
Anthracene	**0.00874**	mg/Kg - dry	0.000387	0.000776	1	04/23/23 21:35	SMB	L677866
Benzo(a)anthracene	**0.0574**	mg/Kg - dry	0.000571	0.000776	1	04/23/23 21:35	SMB	L677866
Benzo(a)pyrene	**0.0516**	mg/Kg - dry	0.000542	0.000776	1	04/23/23 21:35	SMB	L677866
Benzo(b)fluoranthene	**0.0579**	mg/Kg - dry	0.000677	0.000776	1	04/23/23 21:35	SMB	L677866
Benzo(g,h,i)perylene	**0.0293**	mg/Kg - dry	0.000740	0.000776	1	04/23/23 21:35	SMB	L677866
Benzo(k)fluoranthene	**0.0222**	mg/Kg - dry	0.000506	0.000776	1	04/23/23 21:35	SMB	L677866
Chrysene	**0.0530**	mg/Kg - dry	0.000723	0.000776	1	04/23/23 21:35	SMB	L677866
Dibenz(a,h)anthracene	**0.0109**	mg/Kg - dry	0.000711	0.000776	1	04/23/23 21:35	SMB	L677866
Fluoranthene	**0.103**	mg/Kg - dry	0.000456	0.000776	1	04/23/23 21:35	SMB	L677866
Fluorene	**0.00250**	mg/Kg - dry	0.000331	0.000776	1	04/23/23 21:35	SMB	L677866
Indeno(1,2,3-cd)pyrene	**0.0465**	mg/Kg - dry	0.000726	0.000776	1	04/23/23 21:35	SMB	L677866
2-Methylnaphthalene	<0.00225	mg/Kg - dry	0.00225	0.00233	1	04/23/23 21:35	SMB	L677866
Naphthalene	<0.00168	mg/Kg - dry	0.00168	0.00233	1	04/23/23 21:35	SMB	L677866
Phenanthrene	**0.0431**	mg/Kg - dry	0.000487	0.000776	1	04/23/23 21:35	SMB	L677866
Pyrene	**0.0773**	mg/Kg - dry	0.000745	0.000776	1	04/23/23 21:35	SMB	L677866
Surrogate: 2-Fluorobiphenyl	46.1	Limits: 33-115%			1	04/23/23 21:35	SMB	L677866
Surrogate: Nitrobenzene-d5	47.9	Limits: 29-110%			1	04/23/23 21:35	SMB	L677866
Surrogate: 4-Terphenyl-d14	48.5	Limits: 33-122%			1	04/23/23 21:35	SMB	L677866

Qualifiers/ Definitions

DF Dilution Factor
MQL Method Quantitation Limit
J Estimated value

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Information : 198 N. Pauline-Memphis, TN
Project No. 0888834617

Report Date : 04/26/2023
Received : 04/20/2023

Rebekah Ross
Project Manager

Report Number : **23-111-0041**

REPORT OF ANALYSIS

Lab No : **81056**
Sample ID : **LEGSSB46-03**

Matrix: **Solids**
Sampled: **4/20/2023 15:21**

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Method
Moisture	**19.8**	%			1	04/24/23 13:25	JLS	SW-DRYWT

Qualifiers/ Definitions

DF Dilution Factor
MQL Method Quantitation Limit
J Estimated value

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Information : 198 N. Pauline-Memphis, TN
Project No. 0888834617

Report Date : 04/26/2023
Received : 04/20/2023

Rebekah Ross
Project Manager

Report Number : **23-111-0041**

REPORT OF ANALYSIS

Lab No : **81056**
Sample ID : **LEGSSB46-03**

Matrix: **Solids**
Sampled: **4/20/2023 15:21**

Analytical Method: 8270D SIM **Prep Batch(es):** **L677722** 04/23/23 07:25
Prep Method: 3550B

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Batch
Acenaphthene	<0.000379	mg/Kg - dry	0.000379	0.000835	1	04/23/23 21:50	SMB	L677866
Acenaphthylene	<0.000336	mg/Kg - dry	0.000336	0.000835	1	04/23/23 21:50	SMB	L677866
Anthracene	<0.000416	mg/Kg - dry	0.000416	0.000835	1	04/23/23 21:50	SMB	L677866
Benzo(a)anthracene	**0.00278**	mg/Kg - dry	0.000614	0.000835	1	04/23/23 21:50	SMB	L677866
Benzo(a)pyrene	**0.00312**	mg/Kg - dry	0.000583	0.000835	1	04/23/23 21:50	SMB	L677866
Benzo(b)fluoranthene	**0.00320**	mg/Kg - dry	0.000729	0.000835	1	04/23/23 21:50	SMB	L677866
Benzo(g,h,i)perylene	**0.00278**	mg/Kg - dry	0.000796	0.000835	1	04/23/23 21:50	SMB	L677866
Benzo(k)fluoranthene	**0.00103**	mg/Kg - dry	0.000544	0.000835	1	04/23/23 21:50	SMB	L677866
Chrysene	**0.00262**	mg/Kg - dry	0.000778	0.000835	1	04/23/23 21:50	SMB	L677866
Dibenz(a,h)anthracene	<0.000765	mg/Kg - dry	0.000765	0.000835	1	04/23/23 21:50	SMB	L677866
Fluoranthene	**0.00535**	mg/Kg - dry	0.000491	0.000835	1	04/23/23 21:50	SMB	L677866
Fluorene	<0.000356	mg/Kg - dry	0.000356	0.000835	1	04/23/23 21:50	SMB	L677866
Indeno(1,2,3-cd)pyrene	**0.00262**	mg/Kg - dry	0.000781	0.000835	1	04/23/23 21:50	SMB	L677866
2-Methylnaphthalene	<0.00242	mg/Kg - dry	0.00242	0.00251	1	04/23/23 21:50	SMB	L677866
Naphthalene	<0.00181	mg/Kg - dry	0.00181	0.00251	1	04/23/23 21:50	SMB	L677866
Phenanthrene	**0.00206**	mg/Kg - dry	0.000524	0.000835	1	04/23/23 21:50	SMB	L677866
Pyrene	**0.00399**	mg/Kg - dry	0.000801	0.000835	1	04/23/23 21:50	SMB	L677866
Surrogate: 2-Fluorobiphenyl	41.0	Limits: 33-115%			1	04/23/23 21:50	SMB	L677866
Surrogate: Nitrobenzene-d5	44.3	Limits: 29-110%			1	04/23/23 21:50	SMB	L677866
Surrogate: 4-Terphenyl-d14	48.3	Limits: 33-122%			1	04/23/23 21:50	SMB	L677866

Qualifiers/ Definitions DF Dilution Factor J Estimated value

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Quality Control Data

Client ID: Ensafe
Project Description: Legends Park
Report No: 23-111-0041

QC Prep: L677721
QC Prep Batch Method: 3550B
QC Analytical Batch(es): L677852
Analysis Method: 8270D SIM
Analysis Description: Semivolatile Organic Compounds - GC/MS (SIM)

Lab Reagent Blank LRB-L677721 Matrix: SOL

Associated Lab Samples: 81022, 81023, 81024, 81025, 81026, 81027, 81028, 81029, 81030, 81031, 81032, 81033, 81034, 81035, 81036, 81037, 81038, 81039, 81040, 81041

Parameter	Units	Blank Result	MDL	MQL	Analyzed	% Recovery	% Rec Limits
Acenaphthene	mg/Kg	<0.000304	0.000304	0.000670	04/23/23 17:38		
Acenaphthylene	mg/Kg	<0.000270	0.000270	0.000670	04/23/23 17:38		
Anthracene	mg/Kg	<0.000334	0.000334	0.000670	04/23/23 17:38		
Benzo(a)anthracene	mg/Kg	<0.000493	0.000493	0.000670	04/23/23 17:38		
Benzo(a)pyrene	mg/Kg	<0.000468	0.000468	0.000670	04/23/23 17:38		
Benzo(b)fluoranthene	mg/Kg	<0.000585	0.000585	0.000670	04/23/23 17:38		
Benzo(g,h,i)perylene	mg/Kg	<0.000639	0.000639	0.000670	04/23/23 17:38		
Benzo(k)fluoranthene	mg/Kg	<0.000437	0.000437	0.000670	04/23/23 17:38		
Chrysene	mg/Kg	<0.000624	0.000624	0.000670	04/23/23 17:38		
Dibenz(a,h)anthracene	mg/Kg	<0.000614	0.000614	0.000670	04/23/23 17:38		
Fluoranthene	mg/Kg	<0.000394	0.000394	0.000670	04/23/23 17:38		
Fluorene	mg/Kg	<0.000286	0.000286	0.000670	04/23/23 17:38		
Indeno(1,2,3-cd)pyrene	mg/Kg	<0.000627	0.000627	0.000670	04/23/23 17:38		
2-Methylnaphthalene	mg/Kg	<0.00194	0.00194	0.00201	04/23/23 17:38		
Naphthalene	mg/Kg	<0.00145	0.00145	0.00201	04/23/23 17:38		
Phenanthrene	mg/Kg	<0.000421	0.000421	0.000670	04/23/23 17:38		
Pyrene	mg/Kg	<0.000643	0.000643	0.000670	04/23/23 17:38		
2-Fluorobiphenyl (S)					04/23/23 17:38	66.3	33-115
Nitrobenzene-d5 (S)					04/23/23 17:38	61.5	29-110
4-Terphenyl-d14 (S)					04/23/23 17:38	78.9	33-122

Laboratory Control Sample LCS-L677721

Parameter	Units	Spike Conc.	LCS Result	LCS %Rec	% Rec Limits
Acenaphthene	mg/Kg	0.167	0.113	67.6	30-130
Acenaphthylene	mg/Kg	0.167	0.112	67.0	30-130
Anthracene	mg/Kg	0.167	0.114	68.2	30-130

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Quality Control Data

Client ID: Ensafe
Project Description: Legends Park
Report No: 23-111-0041

QC Prep: L677721
QC Prep Batch Method: 3550B
QC Analytical Batch(es): L677852
Analysis Method: 8270D SIM
Analysis Description: Semivolatile Organic Compounds - GC/MS (SIM)

Laboratory Control Sample LCS-L677721

Parameter	Units	Spike Conc.	LCS Result	LCS %Rec	% Rec Limits
Benzo(a)anthracene	mg/Kg	0.167	0.135	80.8	30-130
Benzo(a)pyrene	mg/Kg	0.167	0.127	76.0	30-130
Benzo(b)fluoranthene	mg/Kg	0.167	0.0952	57.0	30-130
Benzo(g,h,i)perylene	mg/Kg	0.167	0.0677	40.5	30-130
Benzo(k)fluoranthene	mg/Kg	0.167	0.0967	57.9	30-130
Chrysene	mg/Kg	0.167	0.118	70.6	30-130
Dibenz(a,h)anthracene	mg/Kg	0.167	0.0748	44.7	30-130
Fluoranthene	mg/Kg	0.167	0.127	76.0	30-130
Fluorene	mg/Kg	0.167	0.116	69.4	30-130
Indeno(1,2,3-cd)pyrene	mg/Kg	0.167	0.0734	43.9	30-130
2-Methylnaphthalene	mg/Kg	0.167	0.111	66.4	30-130
Naphthalene	mg/Kg	0.167	0.103	61.6	30-130
Phenanthrene	mg/Kg	0.167	0.123	73.6	30-130
Pyrene	mg/Kg	0.167	0.126	75.4	30-130
2-Fluorobiphenyl (S)				64.2	33-115
Nitrobenzene-d5 (S)				58.8	29-110
4-Terphenyl-d14 (S)				67.2	33-122

Matrix Spike & Matrix Spike Duplicate L 81022-MS-L677721 L 81022-MSD-L677721

Parameter	Units	Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS %Rec	MSD %Rec	%Rec Limits	RPD	Max RPD
Acenaphthene	mg/Kg	0.638	0.164	0.166	0.0959	0.114	0.0*	0.0*	30-130	17.2	30
Acenaphthylene	mg/Kg	0.0156	0.164	0.166	0.0868	0.108	43.4	55.6	30-130	21.7	30
Anthracene	mg/Kg	1.14	0.164	0.166	0.101	0.124	0.0*	0.0*	30-130	20.4	30
Benzo(a)anthracene	mg/Kg	2.65	0.164	0.166	0.211	0.233	0.0*	0.0*	30-130	9.9	30
Benzo(a)pyrene	mg/Kg	2.08	0.164	0.166	0.203	0.230	0.0*	0.0*	30-130	12.4	30

* QC Fail

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Quality Control Data

Client ID: Ensafe
Project Description: Legends Park
Report No: 23-111-0041

QC Prep: L677721
QC Prep Batch Method: 3550B
QC Analytical Batch(es): L677852
Analysis Method: 8270D SIM
Analysis Description: Semivolatile Organic Compounds - GC/MS (SIM)

Matrix Spike & Matrix Spike Duplicate L 81022-MS-L677721 L 81022-MSD-L677721

Parameter	Units	Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS %Rec	MSD %Rec	%Rec Limits	RPD	Max RPD
Benzo(b)fluoranthene	mg/Kg	2.87	0.164	0.166	0.176	0.186	0.0*	0.0*	30-130	5.5	30
Benzo(g,h,i)perylene	mg/Kg	1.04	0.164	0.166	0.131	0.156	0.0*	0.0*	30-130	17.4	30
Benzo(k)fluoranthene	mg/Kg	0.855	0.164	0.166	0.111	0.133	0.0*	0.0*	30-130	18.0	30
Chrysene	mg/Kg	2.78	0.164	0.166	0.182	0.210	0.0*	0.0*	30-130	14.2	30
Dibenz(a,h)anthracene	mg/Kg	0.295	0.164	0.166	0.0930	0.113	0.0*	0.0*	30-130	19.4	30
Fluoranthene	mg/Kg	5.81	0.164	0.166	0.312	0.373	0.0*	0.0*	30-130	17.8	30
Fluorene	mg/Kg	0.558	0.164	0.166	0.0900	0.110	0.0*	0.0*	30-130	20.0	30
Indeno(1,2,3-cd)pyrene	mg/Kg	1.09	0.164	0.166	0.116	0.134	0.0*	0.0*	30-130	14.4	30
2-Methylnaphthalene	mg/Kg	0.118	0.164	0.166	0.0874	0.110	0.0*	0.0*	30-130	22.8	30
Naphthalene	mg/Kg	0.377	0.164	0.166	0.0820	0.102	0.0*	0.0*	30-130	21.7	30
Phenanthrene	mg/Kg	5.31	0.164	0.166	0.205	0.276	0.0*	0.0*	30-130	29.5	30
Pyrene	mg/Kg	4.14	0.164	0.166	0.268	0.316	0.0*	0.0*	30-130	16.4	30
2-Fluorobiphenyl (S)							47.2	58.7	33-115		
Nitrobenzene-d5 (S)							42.6	48.7	29-110		
4-Terphenyl-d14 (S)							48.7	60.8	33-122		

* QC Fail

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Quality Control Data

Client ID: Ensafe
Project Description: Legends Park
Report No: 23-111-0041

QC Prep: L677722
QC Prep Batch Method: 3550B
QC Analytical Batch(es): L677866
Analysis Method: 8270D SIM
Analysis Description: Semivolatile Organic Compounds - GC/MS (SIM)

Lab Reagent Blank LRB-L677722 Matrix: SOL
Associated Lab Samples: 81042, 81043, 81044, 81045, 81046, 81047, 81048, 81049, 81050, 81051, 81052, 81053, 81054, 81055, 81056

Parameter	Units	Blank Result	MDL	MQL	Analyzed	% Recovery	% Rec Limits
Acenaphthene	mg/Kg	<0.000304	0.000304	0.000670	04/23/23 18:07		
Acenaphthylene	mg/Kg	<0.000270	0.000270	0.000670	04/23/23 18:07		
Anthracene	mg/Kg	<0.000334	0.000334	0.000670	04/23/23 18:07		
Benzo(a)anthracene	mg/Kg	<0.000493	0.000493	0.000670	04/23/23 18:07		
Benzo(a)pyrene	mg/Kg	<0.000468	0.000468	0.000670	04/23/23 18:07		
Benzo(b)fluoranthene	mg/Kg	<0.000585	0.000585	0.000670	04/23/23 18:07		
Benzo(g,h,i)perylene	mg/Kg	<0.000639	0.000639	0.000670	04/23/23 18:07		
Benzo(k)fluoranthene	mg/Kg	<0.000437	0.000437	0.000670	04/23/23 18:07		
Chrysene	mg/Kg	<0.000624	0.000624	0.000670	04/23/23 18:07		
Dibenz(a,h)anthracene	mg/Kg	<0.000614	0.000614	0.000670	04/23/23 18:07		
Fluoranthene	mg/Kg	<0.000394	0.000394	0.000670	04/23/23 18:07		
Fluorene	mg/Kg	<0.000286	0.000286	0.000670	04/23/23 18:07		
Indeno(1,2,3-cd)pyrene	mg/Kg	<0.000627	0.000627	0.000670	04/23/23 18:07		
2-Methylnaphthalene	mg/Kg	<0.00194	0.00194	0.00201	04/23/23 18:07		
Naphthalene	mg/Kg	<0.00145	0.00145	0.00201	04/23/23 18:07		
Phenanthrene	mg/Kg	<0.000421	0.000421	0.000670	04/23/23 18:07		
Pyrene	mg/Kg	<0.000643	0.000643	0.000670	04/23/23 18:07		
2-Fluorobiphenyl (S)					04/23/23 18:07	57.3	33-115
Nitrobenzene-d5 (S)					04/23/23 18:07	59.1	29-110
4-Terphenyl-d14 (S)					04/23/23 18:07	63.0	33-122

Laboratory Control Sample LCS-L677722

Parameter	Units	Spike Conc.	LCS Result	LCS %Rec	% Rec Limits
Acenaphthene	mg/Kg	0.167	0.113	67.6	30-130
Acenaphthylene	mg/Kg	0.167	0.114	68.2	30-130
Anthracene	mg/Kg	0.167	0.121	72.4	30-130

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Quality Control Data

Client ID: Ensafe
Project Description: Legends Park
Report No: 23-111-0041

QC Prep: L677722
QC Prep Batch Method: 3550B
QC Analytical Batch(es): L677866
Analysis Method: 8270D SIM
Analysis Description: Semivolatile Organic Compounds - GC/MS (SIM)

Laboratory Control Sample LCS-L677722

Parameter	Units	Spike Conc.	LCS Result	LCS %Rec	% Rec Limits
Benzo(a)anthracene	mg/Kg	0.167	0.136	81.4	30-130
Benzo(a)pyrene	mg/Kg	0.167	0.133	79.6	30-130
Benzo(b)fluoranthene	mg/Kg	0.167	0.109	65.2	30-130
Benzo(g,h,i)perylene	mg/Kg	0.167	0.101	60.4	30-130
Benzo(k)fluoranthene	mg/Kg	0.167	0.0951	56.9	30-130
Chrysene	mg/Kg	0.167	0.120	71.8	30-130
Dibenz(a,h)anthracene	mg/Kg	0.167	0.122	73.0	30-130
Fluoranthene	mg/Kg	0.167	0.131	78.4	30-130
Fluorene	mg/Kg	0.167	0.122	73.0	30-130
Indeno(1,2,3-cd)pyrene	mg/Kg	0.167	0.130	77.8	30-130
2-Methylnaphthalene	mg/Kg	0.167	0.112	67.0	30-130
Naphthalene	mg/Kg	0.167	0.109	65.2	30-130
Phenanthrene	mg/Kg	0.167	0.123	73.6	30-130
Pyrene	mg/Kg	0.167	0.123	73.6	30-130
2-Fluorobiphenyl (S)				58.5	33-115
Nitrobenzene-d5 (S)				62.7	29-110
4-Terphenyl-d14 (S)				67.2	33-122

Matrix Spike & Matrix Spike Duplicate L 81042-MS-L677722 L 81042-MSD-L677722

Parameter	Units	Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS %Rec	MSD %Rec	%Rec Limits	RPD	Max RPD
Acenaphthene	mg/Kg	0.00297	0.165	0.164	0.118	0.112	69.7	66.4	30-130	5.2	30
Acenaphthylene	mg/Kg	0.00964	0.165	0.164	0.116	0.107	64.4	59.3	30-130	8.0	30
Anthracene	mg/Kg	0.0127	0.165	0.164	0.139	0.130	76.5	71.5	30-130	6.6	30
Benzo(a)anthracene	mg/Kg	0.104	0.165	0.164	0.219	0.205	69.6	61.5	30-130	6.6	30
Benzo(a)pyrene	mg/Kg	0.122	0.165	0.164	0.236	0.215	69.0	56.7	30-130	9.3	30

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Quality Control Data

Client ID: Ensafe
Project Description: Legends Park
Report No: 23-111-0041

QC Prep: L677722
QC Prep Batch Method: 3550B
QC Analytical Batch(es): L677866
Analysis Method: 8270D SIM
Analysis Description: Semivolatile Organic Compounds - GC/MS (SIM)

Matrix Spike & Matrix Spike Duplicate L 81042-MS-L677722 L 81042-MSD-L677722

Parameter	Units	Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS %Rec	MSD %Rec	%Rec Limits	RPD	Max RPD
Benzo(b)fluoranthene	mg/Kg	0.119	0.165	0.164	0.202	0.187	50.3	41.4	30-130	7.7	30
Benzo(g,h,i)perylene	mg/Kg	0.0834	0.165	0.164	0.161	0.134	47.0	30.8	30-130	18.3	30
Benzo(k)fluoranthene	mg/Kg	0.0919	0.165	0.164	0.118	0.110	15.8*	11.0*	30-130	7.0	30
Chrysene	mg/Kg	0.0998	0.165	0.164	0.230	0.218	78.9	72.0	30-130	5.3	30
Dibenz(a,h)anthracene	mg/Kg	0.0287	0.165	0.164	0.150	0.131	73.5	62.3	30-130	13.5	30
Fluoranthene	mg/Kg	0.160	0.165	0.164	0.333	0.301	105	85.9	30-130	10.0	30
Fluorene	mg/Kg	0.00352	0.165	0.164	0.126	0.119	74.2	70.4	30-130	5.7	30
Indeno(1,2,3-cd)pyrene	mg/Kg	0.0984	0.165	0.164	0.180	0.161	49.4	38.1	30-130	11.1	30
2-Methylnaphthalene	mg/Kg	0.00244	0.165	0.164	0.110	0.101	65.1	60.0	30-130	8.5	30
Naphthalene	mg/Kg	0.00223	0.165	0.164	0.104	0.0964	61.6	57.4	30-130	7.5	30
Phenanthrene	mg/Kg	0.0596	0.165	0.164	0.235	0.224	106	100	30-130	4.7	30
Pyrene	mg/Kg	0.139	0.165	0.164	0.282	0.254	86.6	70.1	30-130	10.4	30
2-Fluorobiphenyl (S)							53.6	47.4	33-115		
Nitrobenzene-d5 (S)							55.4	50.1	29-110		
4-Terphenyl-d14 (S)							61.5	56.2	33-122		

* QC Fail

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Quality Control Data

Client ID: **Ensafe**
Project Description: **Legends Park**
Report No: **23-111-0041**

QC Analytical Batch: L677918
Analysis Method: SW-DRYWT
Analysis Description: Dry Weight Determination

Duplicate L 81022-DUP

Parameter	Units	Result	DUP Result	RPD	Max RPD	Analyzed
Moisture	%	15.5	15.4	0.6	20.0	04/24/23 16:25

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Quality Control Data

Client ID: **Ensafe**
Project Description: **Legends Park**
Report No: **23-111-0041**

QC Analytical Batch: L677919
Analysis Method: SW-DRYWT
Analysis Description: Dry Weight Determination

Duplicate L 81031-DUP

Parameter	Units	Result	DUP Result	RPD	Max RPD	Analyzed
Moisture	%	16.5	17.3	4.7	20.0	04/24/23 16:00

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Quality Control Data

Client ID: **Ensafe**
Project Description: **Legends Park**
Report No: **23-111-0041**

QC Analytical Batch: L677920
Analysis Method: SW-DRYWT
Analysis Description: Dry Weight Determination

Duplicate L 81041-DUP

Parameter	Units	Result	DUP Result	RPD	Max RPD	Analyzed
Moisture	%	26.3	26.0	1.1	20.0	04/24/23 14:15

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Quality Control Data

Client ID: **Ensafe**
Project Description: **Legends Park**
Report No: **23-111-0041**

QC Analytical Batch: L677921
Analysis Method: SW-DRYWT
Analysis Description: Dry Weight Determination

Duplicate L 81051-DUP

Parameter	Units	Result	DUP Result	RPD	Max RPD	Analyzed
Moisture	%	17.1	16.7	2.3	20.0	04/24/23 13:25

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Shipment Receipt Form

Customer Number: **03180**
Customer Name: **Ensafe**
Report Number: **23-111-0041**

Shipping Method

◯ Fed Ex	◯ US Postal	◯ Lab	◯ Other :	
◯ UPS	◉ Client	◯ Courier	Thermometer ID:	T99

Shipping container/cooler uncompromised?	◉ Yes	◯ No	
Number of coolers/boxes received	1		
Custody seals intact on shipping container/cooler?	◯ Yes	◯ No	◉ Not Present
Custody seals intact on sample bottles?	◯ Yes	◯ No	◉ Not Present
Chain of Custody (COC) present?	◉ Yes	◯ No	
COC agrees with sample label(s)?	◉ Yes	◯ No	
COC properly completed	◉ Yes	◯ No	
Samples in proper containers?	◉ Yes	◯ No	
Sample containers intact?	◉ Yes	◯ No	
Sufficient sample volume for indicated test(s)?	◉ Yes	◯ No	
All samples received within holding time?	◉ Yes	◯ No	
Cooler temperature in compliance?	◉ Yes	◯ No	
Cooler/Samples arrived at the laboratory on ice. Samples were considered acceptable as cooling process had begun.	◉ Yes	◯ No	
Water - Sample containers properly preserved	◯ Yes	◯ No	◉ N/A
Water - VOA vials free of headspace	◯ Yes	◯ No	◉ N/A
Trip Blanks received with VOAs	◯ Yes	◯ No	◉ N/A
Soil VOA method 5035 – compliance criteria met	◯ Yes	◯ No	◉ N/A

☐ High concentration container (48 hr) ☐ Low concentration EnCore samplers (48 hr)

☐ High concentration pre-weighed (methanol -14 d) ☐ Low conc pre-weighed vials (Sod Bis -14 d)

Special precautions or instructions included?	◯ Yes	◉ No

Comments:

Signature: Carleen Qualls Date & Time: 04/21/2023 11:57:51

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800-588-7962

CHAIN OF CUSTODY AND ANALYTICAL REQUEST RECORD

COC No. GWH04202023 | Page 1 of 3

Project Name: **Edgeview at Legends Park, Block A** | PO No. | Project No. **888834888** Phase

Site Location: **Memphis, TN**

Sample Analysis Requested (*Enter number of containers for each test*)

Sampler/Site Phone# **Griffin Heard/901-483-0920; Trace Hilbun/256-282-7811**

Lab Name: **WAYPOINT ANALYTICAL** Turnaround Time(specify): **3 & 5 DAY**

| Lab ID | Sample ID | Location ID (sys_loc_code) | Date (mm/dd/yy) | Time (Military) (hhmm) | Matrix Code (1) | Sample Type (2) | Field Filtered (Y/N) | (3)→ Total No. of Containers | 8260 - VOCs | 8270 SIM - PAHs | 6010 - RCRA 8 Metals | | |

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CHAIN OF CUSTODY AND ANALYTICAL REQUEST RECORD

COC No. GMH042023 | Page 2 of 3

Project Name: **Edgeview at Legends Park, Block A** | PO No. | Project No. **888834888** Phase

Site Location: **Memphis, TN**

Sample Analysis Requested (*Enter number of containers for each test*)

Sampler/Site Phone# **Griffin Heard/901-483-0920; Trace Hilbun/256-282-7811**

Lab Name: **WAYPOINT ANALYTICAL** Turnaround Time(specify): **3 & 5 DAY**

Lab ID	Sample ID	Location ID (sys_loc_code)	Date (mm/dd/yy)	Time (Military) (hhmm)	Matrix Code (1)	Sample Type (2)	Field Filtered (Y/N)	(3)→ Total No. of Containers	8260 - VOCs	8270 SIM - PAHs	6010 - RCRA 8 Metals	Volume for MS/MSD
	LEGSSB33-01	SB33	4/20/23	1117	SO	N	N	6	X	X	X	
	LEGSSB33-03	"	"	1121	"	"	"	6	X	X	X	
	LEGSSB34-01	SB34	"	1140	"	"	"	6	X	X	X	
	LEGSSB34-05	"	"	1146	"	"	"	6	X	X	X	
	LEGSSB34-09	"	"	1159	"	"	"	6	X	X	X	
	LEGSSB35-01	SB35	"	1215	"	"	"	6	X	X	X	
	LEGSSB35-05	"	"	1225	"	"	"	6	X	X	X	
	LEGSSB35-09	"	"	1238	"	"	"	6	X	X	X	
	LEGSSB36-01	SB36	"	1252	"	"	"	6	X	X	X	
	LEGSSB36-04	"	"	1300	"	"	"	6	X	X	X	
	LEGSSB37-01	SB37	"	1315	"	"	"	6	X	X	X	
	LEGSSB38-01	SB38	"	1333	"	"	"					
	LEGSSB38-03	SB38	"	1338	"	"	"					

23-111-0040 03180 04-21-2023 10:14:42 Ensafe (for moisture. lab comment LXXXXX=LXXXXX)

23-111-0041 03180 04-21-2023 11:56:46 Ensafe Legends Park

***Field* Comments:** VOCs and RCRA Metals are 5 day turnaround time; PAHs are 3 day/72 hour turnaround time.

***Lab* Comments:** Tag 1.7°C 2.0°C 1.3°C 1.4°C CP

Sample Shipment and Delivery Details

Number of coolers in shipment: 6

	Relinquished by (signature)	Date	Time	Received by (signature)	Date	Time
1		4/20/23	1646			
2						
3				Emily Peterson	4/20/23	1646

Samples Iced?(check) Yes ✓ No ____

Method of Shipment:

Airbill No:

Date Shipped:

(1) Matrix Code: **AA**=Air, **AQ**=Air QC Matrix, **CK**=Caulk, **GS**=Soil Gas, **LF**=Free Product, **LH**=Liquid Waste, **MS**=Mastic, **Oil**=Oil, **PT**=Paint, **SC**=Cement/Concrete, **SE**=Sediment, **SF**=Filter Sandpack, **SL**=Sludge, **SN**=Miscellaneous Solid/Building Materials, **SO**=Soil, **SQ**=Soil/Solid QC Matrix, **ST**=Solid Waste, **SW**=Swab/Wipe, **TA**=Animal Tissue, **TP**=Plant Tissue, **WG**=Ground Water, **WL**=Leachate, **WO**=Ocean Water, **WP**=Drinking Water, **WQ**=Water QC Matrix, **WS**=Surface Water, **SU**=Sewer Water, **WW**=Waste Water

(2) Sample Type: **AB**=Ambient Blank, **EB**=Equipment Blank, **FB**=Field Blank, **FD**=Field Duplicate Sample, **FR**=Field Replicate, **MB**=Material Blank, **N**=Normal Environmental Sample, **RB**=Material Rinse Blank, **TB**=Trip Blank

(3) Preservative added: **HA**=Hydrochloric Acid, **NI**=Nitric Acid, **SH**=Sodium Hydroxide, **SA**=Sulfuric Acid, **AA**=Ascorbic Acid, **HX**=Hexane, **ME**=Methanol, **SB**=sodium bisulfate, **ST**=Sodium Thiosulfate, If **NO preservative** added leave blank

Rev. 7/19

CHAIN OF CUSTODY AND ANALYTICAL REQUEST RECORD

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COC No. GMH04202023 | Page 3 of 3

Project Name: **Edgeview at Legends Park, Block A** | PO No. | Project No. **888834888** Phase

Site Location: **Memphis, TN**

Sample Analysis Requested (*Enter number of containers for each test*)

Sampler/Site Phone# **Griffin Heard/901-483-0920; Trace Hilbun/256-282-7811**

Lab Name: **WAYPOINT ANALYTICAL** Turnaround Time(specify): **3 & 5 DAY**

Lab ID	Sample ID	Location ID (sys_loc_code)	Date (mm/dd/yy)	Time (Military) (hhmm)	Matrix Code (1)	Sample Type (2)	Field Filtered (Y/N)	(3)→ Total No. of Containers	8260 - VOCs	8270 SIM - PAHs	6010 - RCRA 8 Metals	or MS/MSD
	LEGSSB39-01	SB39	4/20/23	1346	SO	N	N	6	X	X	X	
	LEGSSB40-01	SB40	"	1354	"	"	"	6	X	X	X	
	LEGSSB41-01	SB41	"	1357	"	"	"	6	X	X	X	
	LEGSSB43-01	SB43	"	1421	"	"	"	6	X	X	X	
	LEGSSB42-01	SB42	"	1428	"	"	"	6	X	X	X	
	LEGSSB42-03	"	"	1430	"	"	"	6	X	X	X	
	LEGSSB43-04	SB43	"	1434	"	"	"	6	X	X	X	
	LEGSSB44-01	SB44	"	1457	"	"	"	6	X	X	X	
	LEGSSB45-01	SB45	"	1500	"	"	"	6	X	X	X	
	LEGSSB46-01	SB46	"	1515	"	"	"	6	X	X	X	
	LEGSSB46-03	"	"	1521	"	"	"	6	X	X	X	

23-111-0040 03180 04-21-2023 10:14:42 Ensafe (for moisture. lab comment LXXXXX=LXXXXX)

23-111-0041 03180 04-21-2023 11:56:46 Ensafe Legends Park

***Field* Comments:** VOCs and RCRA Metals are 5 day turnaround time; PAHs are 3 day/72 hour turnaround time.

***Lab* Comments:** T99 1.7°c 1.3°c 2.0°c 1.4°c

Sample Shipment and Delivery Details

Number of coolers in shipment: 6

	Relinquished by (signature)	Date	Time	Received by (signature)	Date	Time
1		4/20/23	1646			
2						
3				Emily Peterson	4/20/23	1646

Samples Iced?(check) Yes ✓ No ____

Method of Shipment:

Airbill No:

Date Shipped:

(1) Matrix Code: **AA**=Air, **AQ**=Air QC Matrix, **CK**=Caulk, **GS**=Soil Gas, **LF**=Free Product, **LH**=Liquid Waste, **MS**=Mastic, **Oil**=Oil, **PT**=Paint, **SC**=Cement/Concrete, **SE**=Sediment, **SF**=Filter Sandpack, **SL**=Sludge, **SN**=Miscellaneous Solid/Building Materials, **SO**=Soil, **SQ**=Soil/Solid QC Matrix, **ST**=Solid Waste, **SW**=Swab/Wipe, **TA**=Animal Tissue, **TP**=Plant Tissue, **WG**=Ground Water, **WL**=Leachate, **WO**=Ocean Water, **WP**=Drinking Water, **WQ**=Water QC Matrix, **WS**=Surface Water, **SU**=Sewer Water, **WW**=Waste Water

(2) Sample Type: **AB**=Ambient Blank, **EB**=Equipment Blank, **FB**=Field Blank, **FD**=Field Duplicate Sample, **FR**=Field Replicate, **MB**=Material Blank, **N**=Normal Environmental Sample, **RB**=Material Rinse Blank, **TB**=Trip Blank

(3) Preservative added: **HA**=Hydrochloric Acid, **NI**=Nitric Acid, **SH**=Sodium Hydroxide, **SA**=Sulfuric Acid, **AA**=Ascorbic Acid, **HX**=Hexane, **ME**=Methanol, **SB**=sodium bisulfate, **ST**=Sodium Thiosulfate, If **NO preservative** added leave blank

Rev. 7/19

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4/27/2023

Ensafe
Ms. Allison Harris
5724 Summer Tree Drive
Memphis, TN, 38134

Ref: Analytical Testing
Lab Report Number: 23-111-0040
Client Project Description: Legends Park
198 N. Pauline-Memphis, TN
Project No. 0888834617

Dear Ms. Allison Harris:
Waypoint Analytical, LLC. received sample(s) on 4/20/2023 for the analyses presented in the following report.

The above referenced project has been analyzed per your instructions. The analyses were performed in accordance with the applicable analytical method. Where the laboratory was not responsible for the sampling stage (refer to the chain of custody) results apply to the sample as received.

The analytical data has been validated using standard quality control measures performed as required by the analytical method. Quality Assurance, method validations, instrumentation maintenance and calibration for all parameters (NELAP and non-NELAP) were performed in accordance with guidelines established by the USEPA (including 40 CFR 136 Method Update Rule May 2021) and NELAC unless otherwise indicated. Any parameter for which the laboratory is not officially NELAP accredited is indicated by a '~' symbol. These are not included in the scope because NELAP accreditation is either not available or has not been applied for. Additional certifications may be held/are available for parameters, where NELAP accreditation is not required or applicable. A full list of certifications is available upon request.

Certain parameters (chlorine, pH, dissolved oxygen, sulfite...) are required to be analyzed within 15 minutes of sampling. Usually, but not always, any field parameter analyzed at the laboratory is outside of this holding time. Refer to sample analysis time for confirmation of holding time compliance.

The results are shown on the attached Report of Analysis(s). Results for solid matrices are reported on an as-received basis unless otherwise indicated. This report shall not be reproduced except in full and relates only to the samples included in this report.

Please do not hesitate to contact me or client services if you have any questions or need additional information.

Sincerely,

Rebekah Ross

Rebekah Ross
Project Manager

Laboratory's liability in any claim relating to analyses performed shall be limited to, at laboratory's option, repeating the analysis in question at laboratory's expense, or the refund of the charges paid for performance of said analysis.

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Certification Summary

Laboratory ID: WP MTN: Waypoint Analytical, LLC., Memphis, TN

State	Program	Lab ID	Expiration Date
Alabama	State Program	40750	02/29/2024
Arkansas	State Program	88-0650	02/07/2024
California	State Program	2904	06/30/2023
Florida	State Program - NELAP	E871157	06/30/2023
Georgia	State Program	C044	11/14/2025
Georgia	State Program	04015	06/30/2023
Illinois	State Program - NELAP	200078	10/10/2023
Kentucky	State Program	80215	06/30/2023
Kentucky	State Program	KY90047	12/31/2023
Louisiana	State Program - NELAP	LA037	12/31/2023
Louisiana	State Program - NELAP	04015	06/30/2023
Mississippi	State Program	MS	11/14/2025
North Carolina	State Program	47701	07/31/2023
North Carolina	State Program	415	12/31/2023
Pennsylvania	State Program - NELAP	68-03195	05/31/2024
South Carolina	State Program	84002	06/30/2023
Tennessee	State Program	02027	11/14/2025
Texas	State Program - NELAP	T104704180	09/30/2023
Virginia	State Program	00106	06/30/2023
Virginia	State Program - NELAP	460181	09/14/2023

Waypoint ANALYTICAL

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Sample Summary Table

Report Number: **23-111-0040**

Client Project Description: **Legends Park**
198 N. Pauline-Memphis, TN
Project No. 0888834617

Lab No	Client Sample ID	Matrix	Date Collected	Date Received
99802	LEGTBA04202023	Aqueous	04/20/2023 09:10	04/20/2023
99803	LEGTBB04202023	Aqueous	04/20/2023 09:13	04/20/2023
99804	LEGSSB25-01	Solids	04/20/2023 09:20	04/20/2023
99805	LEGSSB25-03	Solids	04/20/2023 09:30	04/20/2023
99806	LEGSSB26-01	Solids	04/20/2023 09:37	04/20/2023
99807	LEGSSB26-03	Solids	04/20/2023 09:45	04/20/2023
99808	LEGSSB27-01	Solids	04/20/2023 09:57	04/20/2023
99809	LEGSSB28-01	Solids	04/20/2023 10:00	04/20/2023
99810	LEGSSB29-01	Solids	04/20/2023 10:28	04/20/2023
99811	LEGSSB29-03	Solids	04/20/2023 10:32	04/20/2023
99812	LEGSSB30-01	Solids	04/20/2023 10:45	04/20/2023
99813	LEGSSB31-01	Solids	04/20/2023 10:51	04/20/2023
99814	LEGSSB32-01	Solids	04/20/2023 11:02	04/20/2023
99815	LEGSSB33-01	Solids	04/20/2023 11:17	04/20/2023
99816	LEGSSB33-03	Solids	04/20/2023 11:21	04/20/2023
99817	LEGSSB34-01	Solids	04/20/2023 11:40	04/20/2023
99818	LEGSSB34-05	Solids	04/20/2023 11:46	04/20/2023
99819	LEGSSB34-09	Solids	04/20/2023 11:59	04/20/2023
99820	LEGSSB35-01	Solids	04/20/2023 12:15	04/20/2023
99821	LEGSSB35-05	Solids	04/20/2023 12:25	04/20/2023
99822	LEGSSB35-09	Solids	04/20/2023 12:38	04/20/2023
99823	LEGSSB36-01	Solids	04/20/2023 12:52	04/20/2023
99824	LEGSSB36-04	Solids	04/20/2023 13:00	04/20/2023
99825	LEGSSB37-01	Solids	04/20/2023 13:15	04/20/2023
99826	LEGSSB38-01	Solids	04/20/2023 13:33	04/20/2023
99827	LEGSSB38-03	Solids	04/20/2023 13:38	04/20/2023

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Sample Summary Table

Report Number: **23-111-0040**

Client Project Description: **Legends Park**
198 N. Pauline-Memphis, TN
Project No. 0888834617

Lab No	Client Sample ID	Matrix	Date Collected	Date Received
99828	LEGSSB39-01	Solids	04/20/2023 13:46	04/20/2023
99829	LEGSSB40-01	Solids	04/20/2023 13:54	04/20/2023
99830	LEGSSB41-01	Solids	04/20/2023 13:57	04/20/2023
99831	LEGSSB43-01	Solids	04/20/2023 14:21	04/20/2023
99832	LEGSSB42-01	Solids	04/20/2023 14:28	04/20/2023
99833	LEGSSB42-03	Solids	04/20/2023 14:30	04/20/2023
99834	LEGSSB43-04	Solids	04/20/2023 14:34	04/20/2023
99835	LEGSSB44-01	Solids	04/20/2023 14:57	04/20/2023
99836	LEGSSB45-01	Solids	04/20/2023 15:00	04/20/2023
99837	LEGSSB46-01	Solids	04/20/2023 15:15	04/20/2023
99838	LEGSSB46-03	Solids	04/20/2023 15:21	04/20/2023

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Client: Ensafe
Project: Legends Park
Lab Report Number: 23-111-0040
Date: 4/27/2023

CASE NARRATIVE

Metals Analysis Method 6010D
Sample 99809 (LEGSSB28-01)
Analyte: Arsenic
QC Batch No: L678073/L677686
The matrix spike and/or the matrix spike duplicate was outside quality control acceptance ranges. A post digestion spike was performed and passed quality control acceptance ranges. No matrix interference is suspected.

Sample 99809 (LEGSSB28-01)
Analyte: Lead
QC Batch No: L678073/L677686
The matrix spike and/or the matrix spike duplicate was outside quality control acceptance ranges. A dilution test was performed and passed quality control acceptance ranges. No matrix interference is suspected.

Sample 99811 (LEGSSB29-03)
Analyte: Silver
QC Batch No: L678311/L677687
This analyte was analyzed at a dilution due to IEC interference/matrix interference.

Sample 99829 (LEGSSB40-01)
Analyte: Arsenic
QC Batch No: L678311/L677687
The matrix spike and/or the matrix spike duplicate was outside quality control acceptance ranges. A post digestion spike was performed and passed quality control acceptance ranges. No matrix interference is suspected.

Sample 99829 (LEGSSB40-01)
Analyte: Lead
QC Batch No: L678311/L677687
The matrix spike and/or the matrix spike duplicate was outside quality control acceptance ranges. A dilution test was performed and passed quality control acceptance ranges. No matrix interference is suspected.

Sample 99829 (LEGSSB40-01)
Analyte: Selenium
QC Batch No: L678311/L677687
The matrix spike and/or the matrix spike duplicate was outside quality control acceptance ranges. A post digestion spike was performed and passed quality control acceptance ranges. No matrix interference is suspected.

QC Batch No: L678074/L677738
One or more Internal Standards are outside method acceptance criteria. Re-analysis and/or sample dilutions are required.

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Sample 99831 (LEGSSB43-01)
QC Batch No: L678074/L677738
One or more Internal Standards are outside method acceptance criteria. Re-analysis and/or sample dilutions are required.

Sample 99833 (LEGSSB42-03)
QC Batch No: L678074/L677738
One or more Internal Standards are outside method acceptance criteria. Re-analysis and/or sample dilutions are required.

Sample 99834 (LEGSSB43-04)
QC Batch No: L678074/L677738
One or more Internal Standards are outside method acceptance criteria. Re-analysis and/or sample dilutions are required.

Sample 99835 (LEGSSB44-01)
QC Batch No: L678074/L677738
One or more Internal Standards are outside method acceptance criteria. Re-analysis and/or sample dilutions are required.

Sample 99836 (LEGSSB45-01)
QC Batch No: L678074/L677738
One or more Internal Standards are outside method acceptance criteria. Re-analysis and/or sample dilutions are required.

Sample 99837 (LEGSSB46-01)
QC Batch No: L678074/L677738
One or more Internal Standards are outside method acceptance criteria. Re-analysis and/or sample dilutions are required.

Sample 99838 (LEGSSB46-03)
QC Batch No: L678074/L677738
One or more Internal Standards are outside method acceptance criteria. Re-analysis and/or sample dilutions are required.

Analyte: Arsenic
QC Batch No: L678311/L677738
The matrix spike and/or the matrix spike duplicate was outside quality control acceptance ranges. A post digestion spike was performed and passed quality control acceptance ranges. No matrix interference is suspected.

Analyte: Barium
QC Batch No: L678311/L677738
The matrix spike and/or the matrix spike duplicate was outside quality control acceptance ranges. A dilution test was performed and passed quality control acceptance ranges. No matrix interference is suspected.

Analyte: Lead
QC Batch No: L678311/L677738
The matrix spike and/or the matrix spike duplicate was outside quality control acceptance ranges. A post digestion spike was performed and passed quality control acceptance ranges. No matrix interference is suspected.

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Sample 99830 (LEGSSB41-01)
Analyte: Selenium
QC Batch No: L678074/L677738
This analyte was analyzed at a dilution due to IEC interference/matrix interference.

Sample 99832 (LEGSSB42-01)
Analyte: Selenium
QC Batch No: L678074/L677738
This analyte was analyzed at a dilution due to IEC interference/matrix interference.

Solids Total Mercury Analysis - CVAA Method 7471A
Sample 99824 (LEGSSB36-04)
Analyte: Mercury
QC Batch No: L678765/L678227
The matrix spike and/or the matrix spike duplicate was outside quality control acceptance ranges. A post digestion spike was performed and passed quality control acceptance ranges. No matrix interference is suspected.

Analyte: Mercury
QC Batch No: L678810/L678230
The matrix spike and/or the matrix spike duplicate was outside quality control acceptance ranges. A post digestion spike was performed and passed quality control acceptance ranges. No matrix interference is suspected.

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03180
Ensafe
Ms. Allison Harris
5724 Summer Tree Drive
Memphis , TN 38134

Project Legends Park

Information : 198 N. Pauline-Memphis, TN
Project No. 0888834617

Report Date : 04/27/2023
Received : 04/20/2023

Rebekah Ross
Project Manager

Report Number : **23-111-0040**

REPORT OF ANALYSIS

Lab No : **99802**
Sample ID : **LEGTBA04202023**

Matrix: **Aqueous**
Sampled: **4/20/2023 9:10**

Analytical Method: 8260B **Prep Batch(es):** **L677772** 04/23/23 08:43
Prep Method: 5030B

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Batch
Acetone	<10.7	µg/L	10.7	20.0	1	04/23/23 12:36	ASH	L677857
Acetonitrile	<25.0	µg/L	25.0	50.0	1	04/23/23 12:36	ASH	L677857
Acrolein	<4.81	µg/L	4.81	20.0	1	04/23/23 12:36	ASH	L677857
Acrylonitrile	<2.97	µg/L	2.97	20.0	1	04/23/23 12:36	ASH	L677857
Benzene	<0.660	µg/L	0.660	1.00	1	04/23/23 12:36	ASH	L677857
Bromobenzene	<0.910	µg/L	0.910	1.00	1	04/23/23 12:36	ASH	L677857
Bromochloromethane	<0.820	µg/L	0.820	1.00	1	04/23/23 12:36	ASH	L677857
Bromodichloromethane	<0.920	µg/L	0.920	1.00	1	04/23/23 12:36	ASH	L677857
Bromoform	<0.800	µg/L	0.800	1.00	1	04/23/23 12:36	ASH	L677857
Bromomethane	<0.970	µg/L	0.970	2.00	1	04/23/23 12:36	ASH	L677857
Methyl Ethyl Ketone (MEK)	<2.86	µg/L	2.86	20.0	1	04/23/23 12:36	ASH	L677857
n-Butylbenzene	<0.920	µg/L	0.920	1.00	1	04/23/23 12:36	ASH	L677857
sec-Butyl benzene	<0.840	µg/L	0.840	1.00	1	04/23/23 12:36	ASH	L677857
tert-Butyl benzene	<0.950	µg/L	0.950	1.00	1	04/23/23 12:36	ASH	L677857
Carbon Disulfide	<0.590	µg/L	0.590	1.00	1	04/23/23 12:36	ASH	L677857
Carbon Tetrachloride	<0.580	µg/L	0.580	1.00	1	04/23/23 12:36	ASH	L677857
Chlorobenzene	<0.920	µg/L	0.920	1.00	1	04/23/23 12:36	ASH	L677857
Chlorodibromomethane	<0.790	µg/L	0.790	1.00	1	04/23/23 12:36	ASH	L677857
Chloroethane	<0.720	µg/L	0.720	1.00	1	04/23/23 12:36	ASH	L677857
2-Chloroethylvinyl Ether	<4.68	µg/L	4.68	5.00	1	04/23/23 12:36	ASH	L677857
Chloroform	<0.630	µg/L	0.630	1.00	1	04/23/23 12:36	ASH	L677857
Chloromethane	<0.830	µg/L	0.830	1.00	1	04/23/23 12:36	ASH	L677857

Qualifiers/ Definitions

DF Dilution Factor
MQL Method Quantitation Limit
J Estimated value

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03180
Ensafe
Ms. Allison Harris
5724 Summer Tree Drive
Memphis , TN 38134

Project Legends Park

Information : 198 N. Pauline-Memphis, TN
Project No. 0888834617

Report Date : 04/27/2023
Received : 04/20/2023

Rebekah Ross
Project Manager

Report Number : **23-111-0040**

REPORT OF ANALYSIS

Lab No : **99802**
Sample ID : **LEGTBA04202023**

Matrix: **Aqueous**
Sampled: **4/20/2023 9:10**

Analytical Method: 8260B **Prep Batch(es):** **L677772** 04/23/23 08:43
Prep Method: 5030B

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Batch
2-Chlorotoluene	<0.750	µg/L	0.750	1.00	1	04/23/23 12:36	ASH	L677857
4-Chlorotoluene	<0.860	µg/L	0.860	1.00	1	04/23/23 12:36	ASH	L677857
1,2-Dibromo-3-Chloropropane	<0.790	µg/L	0.790	2.00	1	04/23/23 12:36	ASH	L677857
1,2-Dibromoethane	<0.790	µg/L	0.790	1.00	1	04/23/23 12:36	ASH	L677857
Dibromomethane	<0.890	µg/L	0.890	1.00	1	04/23/23 12:36	ASH	L677857
1,2-Dichlorobenzene	<0.850	µg/L	0.850	1.00	1	04/23/23 12:36	ASH	L677857
1,3-Dichlorobenzene	<0.960	µg/L	0.960	1.00	1	04/23/23 12:36	ASH	L677857
1,4-Dichlorobenzene	<0.890	µg/L	0.890	1.00	1	04/23/23 12:36	ASH	L677857
Dichlorodifluoromethane	<0.850	µg/L	0.850	1.00	1	04/23/23 12:36	ASH	L677857
1,1-Dichloroethane	<0.720	µg/L	0.720	1.00	1	04/23/23 12:36	ASH	L677857
1,2-Dichloroethane	<0.870	µg/L	0.870	1.00	1	04/23/23 12:36	ASH	L677857
1,1-Dichloroethene	<0.620	µg/L	0.620	1.00	1	04/23/23 12:36	ASH	L677857
cis-1,2-Dichloroethene	<0.840	µg/L	0.840	1.00	1	04/23/23 12:36	ASH	L677857
trans-1,2-Dichloroethene	<0.650	µg/L	0.650	1.00	1	04/23/23 12:36	ASH	L677857
1,2-Dichloroethene (Total)	<0.65	µg/L	0.650	1.00	1	04/23/23 12:36		L677857
1,2-Dichloropropane	<0.940	µg/L	0.940	1.00	1	04/23/23 12:36	ASH	L677857
1,3-Dichloropropane	<0.860	µg/L	0.860	1.00	1	04/23/23 12:36	ASH	L677857
2,2-Dichloropropane	<0.620	µg/L	0.620	1.00	1	04/23/23 12:36	ASH	L677857
1,1-Dichloropropene	<0.640	µg/L	0.640	1.00	1	04/23/23 12:36	ASH	L677857
cis-1,3-Dichloropropene	<0.960	µg/L	0.960	1.00	1	04/23/23 12:36	ASH	L677857
trans-1,3-Dichloropropene	<0.910	µg/L	0.910	1.00	1	04/23/23 12:36	ASH	L677857
Ethyl Acetate	<3.02	µg/L	3.02	10.0	1	04/23/23 12:36	ASH	L677857

Qualifiers/ Definitions

DF Dilution Factor
MQL Method Quantitation Limit
J Estimated value

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03180
Ensafe
Ms. Allison Harris
5724 Summer Tree Drive
Memphis , TN 38134

Project Legends Park

Information : 198 N. Pauline-Memphis, TN
Project No. 0888834617

Report Date : 04/27/2023
Received : 04/20/2023

Rebekah Ross
Project Manager

Report Number : **23-111-0040**

REPORT OF ANALYSIS

Lab No : **99802**
Sample ID : **LEGTBA04202023**

Matrix: **Aqueous**
Sampled: **4/20/2023 9:10**

Analytical Method: 8260B **Prep Batch(es):** **L677772** 04/23/23 08:43
Prep Method: 5030B

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Batch
Ethylbenzene	<0.870	µg/L	0.870	1.00	1	04/23/23 12:36	ASH	L677857
Hexachlorobutadiene	<0.910	µg/L	0.910	1.00	1	04/23/23 12:36	ASH	L677857
2-Hexanone	<3.14	µg/L	3.14	5.00	1	04/23/23 12:36	ASH	L677857
Iodomethane	<2.59	µg/L	2.59	5.00	1	04/23/23 12:36	ASH	L677857
Isopropylbenzene	<0.920	µg/L	0.920	1.00	1	04/23/23 12:36	ASH	L677857
4-Isopropyl toluene	<0.950	µg/L	0.950	1.00	1	04/23/23 12:36	ASH	L677857
4-Methyl-2-Pentanone	<3.05	µg/L	3.05	5.00	1	04/23/23 12:36	ASH	L677857
Methylene Chloride	<1.98	µg/L	1.98	5.00	1	04/23/23 12:36	ASH	L677857
Methyl tert-butyl ether (MTBE)	<0.820	µg/L	0.820	1.00	1	04/23/23 12:36	ASH	L677857
m,p-Xylene	<1.74	µg/L	1.74	2.00	1	04/23/23 12:36	ASH	L677857
Naphthalene	<3.72	µg/L	3.72	5.00	1	04/23/23 12:36	ASH	L677857
o-Xylene	<0.890	µg/L	0.890	1.00	1	04/23/23 12:36	ASH	L677857
n-Propylbenzene	<0.980	µg/L	0.980	1.00	1	04/23/23 12:36	ASH	L677857
Styrene	<0.890	µg/L	0.890	1.00	1	04/23/23 12:36	ASH	L677857
1,1,1,2-Tetrachloroethane	<0.840	µg/L	0.840	1.00	1	04/23/23 12:36	ASH	L677857
1,1,2,2-Tetrachloroethane	<0.460	µg/L	0.460	1.00	1	04/23/23 12:36	ASH	L677857
Tetrachloroethene	<0.580	µg/L	0.580	1.00	1	04/23/23 12:36	ASH	L677857
Toluene	<0.720	µg/L	0.720	2.00	1	04/23/23 12:36	ASH	L677857
1,2,3-Trichlorobenzene	<1.93	µg/L	1.93	2.00	1	04/23/23 12:36	ASH	L677857
1,2,4-Trichlorobenzene	<1.59	µg/L	1.59	2.00	1	04/23/23 12:36	ASH	L677857
1,1,1-Trichloroethane	<0.600	µg/L	0.600	1.00	1	04/23/23 12:36	ASH	L677857
1,1,2-Trichloroethane	<0.880	µg/L	0.880	1.00	1	04/23/23 12:36	ASH	L677857

Qualifiers/ Definitions
DF Dilution Factor
MQL Method Quantitation Limit
J Estimated value

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Project Legends Park
Information : 198 N. Pauline-Memphis, TN
Project No. 0888834617

Report Date : 04/27/2023
Received : 04/20/2023

Rebekah Ross
Project Manager

Report Number : **23-111-0040**

REPORT OF ANALYSIS

Lab No : **99802**
Sample ID : **LEGTBA04202023**

Matrix: **Aqueous**
Sampled: **4/20/2023 9:10**

Analytical Method: 8260B **Prep Batch(es):** **L677772** 04/23/23 08:43
Prep Method: 5030B

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Batch
Trichloroethene	<0.790	µg/L	0.790	1.00	1	04/23/23 12:36	ASH	L677857
Trichlorofluoromethane	<0.510	µg/L	0.510	1.00	1	04/23/23 12:36	ASH	L677857
1,2,3-Trichloropropane	<0.790	µg/L	0.790	1.00	1	04/23/23 12:36	ASH	L677857
1,2,4-Trimethylbenzene	<1.00	µg/L	1.00	1.00	1	04/23/23 12:36	ASH	L677857
1,3,5-Trimethylbenzene	<1.00	µg/L	1.00	1.00	1	04/23/23 12:36	ASH	L677857
Vinyl Acetate	<3.11	µg/L	3.11	10.0	1	04/23/23 12:36	ASH	L677857
Vinyl Chloride	<0.710	µg/L	0.710	1.00	1	04/23/23 12:36	ASH	L677857
Xylene (Total)	<0.89	µg/L	0.890	1.00	1	04/23/23 12:36		L677857
Surrogate: 4-Bromofluorobenzene	103		Limits: 71-137%		1	04/23/23 12:36	ASH	L677857
Surrogate: Dibromofluoromethane	105		Limits: 70-128%		1	04/23/23 12:36	ASH	L677857
Surrogate: 1,2-Dichloroethane - d4	116		Limits: 63-136%		1	04/23/23 12:36	ASH	L677857
Surrogate: Toluene-d8	106		Limits: 70-130%		1	04/23/23 12:36	ASH	L677857

Qualifiers/ Definitions

DF Dilution Factor
MQL Method Quantitation Limit
J Estimated value

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Report Date : 04/27/2023
Received : 04/20/2023

Rebekah Ross
Project Manager

Report Number : **23-111-0040**

REPORT OF ANALYSIS

Lab No : **99803**
Sample ID : **LEGTBB04202023**

Matrix: **Aqueous**
Sampled: **4/20/2023 9:13**

Analytical Method: 8260B **Prep Batch(es):** **L677772** 04/23/23 08:43
Prep Method: 5030B

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Batch
Acetone	<10.7	µg/L	10.7	20.0	1	04/23/23 12:57	ASH	L677857
Acetonitrile	<25.0	µg/L	25.0	50.0	1	04/23/23 12:57	ASH	L677857
Acrolein	<4.81	µg/L	4.81	20.0	1	04/23/23 12:57	ASH	L677857
Acrylonitrile	<2.97	µg/L	2.97	20.0	1	04/23/23 12:57	ASH	L677857
Benzene	<0.660	µg/L	0.660	1.00	1	04/23/23 12:57	ASH	L677857
Bromobenzene	<0.910	µg/L	0.910	1.00	1	04/23/23 12:57	ASH	L677857
Bromochloromethane	<0.820	µg/L	0.820	1.00	1	04/23/23 12:57	ASH	L677857
Bromodichloromethane	<0.920	µg/L	0.920	1.00	1	04/23/23 12:57	ASH	L677857
Bromoform	<0.800	µg/L	0.800	1.00	1	04/23/23 12:57	ASH	L677857
Bromomethane	<0.970	µg/L	0.970	2.00	1	04/23/23 12:57	ASH	L677857
Methyl Ethyl Ketone (MEK)	<2.86	µg/L	2.86	20.0	1	04/23/23 12:57	ASH	L677857
n-Butylbenzene	<0.920	µg/L	0.920	1.00	1	04/23/23 12:57	ASH	L677857
sec-Butyl benzene	<0.840	µg/L	0.840	1.00	1	04/23/23 12:57	ASH	L677857
tert-Butyl benzene	<0.950	µg/L	0.950	1.00	1	04/23/23 12:57	ASH	L677857
Carbon Disulfide	<0.590	µg/L	0.590	1.00	1	04/23/23 12:57	ASH	L677857
Carbon Tetrachloride	<0.580	µg/L	0.580	1.00	1	04/23/23 12:57	ASH	L677857
Chlorobenzene	<0.920	µg/L	0.920	1.00	1	04/23/23 12:57	ASH	L677857
Chlorodibromomethane	<0.790	µg/L	0.790	1.00	1	04/23/23 12:57	ASH	L677857
Chloroethane	<0.720	µg/L	0.720	1.00	1	04/23/23 12:57	ASH	L677857
2-Chloroethylvinyl Ether	<4.68	µg/L	4.68	5.00	1	04/23/23 12:57	ASH	L677857
Chloroform	<0.630	µg/L	0.630	1.00	1	04/23/23 12:57	ASH	L677857
Chloromethane	<0.830	µg/L	0.830	1.00	1	04/23/23 12:57	ASH	L677857

Qualifiers/ Definitions

DF Dilution Factor
MQL Method Quantitation Limit
J Estimated value

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Project Legends Park

Information : 198 N. Pauline-Memphis, TN
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Report Date : 04/27/2023
Received : 04/20/2023

Rebekah Ross
Project Manager

Report Number : **23-111-0040**

REPORT OF ANALYSIS

Lab No : **99803**
Sample ID : **LEGTBB04202023**

Matrix: **Aqueous**
Sampled: **4/20/2023 9:13**

Analytical Method: 8260B **Prep Batch(es):** **L677772** 04/23/23 08:43
Prep Method: 5030B

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Batch
2-Chlorotoluene	<0.750	µg/L	0.750	1.00	1	04/23/23 12:57	ASH	L677857
4-Chlorotoluene	<0.860	µg/L	0.860	1.00	1	04/23/23 12:57	ASH	L677857
1,2-Dibromo-3-Chloropropane	<0.790	µg/L	0.790	2.00	1	04/23/23 12:57	ASH	L677857
1,2-Dibromoethane	<0.790	µg/L	0.790	1.00	1	04/23/23 12:57	ASH	L677857
Dibromomethane	<0.890	µg/L	0.890	1.00	1	04/23/23 12:57	ASH	L677857
1,2-Dichlorobenzene	<0.850	µg/L	0.850	1.00	1	04/23/23 12:57	ASH	L677857
1,3-Dichlorobenzene	<0.960	µg/L	0.960	1.00	1	04/23/23 12:57	ASH	L677857
1,4-Dichlorobenzene	<0.890	µg/L	0.890	1.00	1	04/23/23 12:57	ASH	L677857
Dichlorodifluoromethane	<0.850	µg/L	0.850	1.00	1	04/23/23 12:57	ASH	L677857
1,1-Dichloroethane	<0.720	µg/L	0.720	1.00	1	04/23/23 12:57	ASH	L677857
1,2-Dichloroethane	<0.870	µg/L	0.870	1.00	1	04/23/23 12:57	ASH	L677857
1,1-Dichloroethene	<0.620	µg/L	0.620	1.00	1	04/23/23 12:57	ASH	L677857
cis-1,2-Dichloroethene	<0.840	µg/L	0.840	1.00	1	04/23/23 12:57	ASH	L677857
trans-1,2-Dichloroethene	<0.650	µg/L	0.650	1.00	1	04/23/23 12:57	ASH	L677857
1,2-Dichloroethene (Total)	<0.65	µg/L	0.650	1.00	1	04/23/23 12:57		L677857
1,2-Dichloropropane	<0.940	µg/L	0.940	1.00	1	04/23/23 12:57	ASH	L677857
1,3-Dichloropropane	<0.860	µg/L	0.860	1.00	1	04/23/23 12:57	ASH	L677857
2,2-Dichloropropane	<0.620	µg/L	0.620	1.00	1	04/23/23 12:57	ASH	L677857
1,1-Dichloropropene	<0.640	µg/L	0.640	1.00	1	04/23/23 12:57	ASH	L677857
cis-1,3-Dichloropropene	<0.960	µg/L	0.960	1.00	1	04/23/23 12:57	ASH	L677857
trans-1,3-Dichloropropene	<0.910	µg/L	0.910	1.00	1	04/23/23 12:57	ASH	L677857
Ethyl Acetate	<3.02	µg/L	3.02	10.0	1	04/23/23 12:57	ASH	L677857

Qualifiers/ Definitions

DF Dilution Factor
MQL Method Quantitation Limit
J Estimated value

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Project Legends Park
Information : 198 N. Pauline-Memphis, TN
Project No. 0888834617

Report Date : 04/27/2023
Received : 04/20/2023

Rebekah Ross
Project Manager

Report Number : **23-111-0040**

REPORT OF ANALYSIS

Lab No : **99803**
Sample ID : **LEGTBB04202023**

Matrix: **Aqueous**
Sampled: **4/20/2023 9:13**

Analytical Method: 8260B **Prep Batch(es):** **L677772** 04/23/23 08:43
Prep Method: 5030B

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Batch
Ethylbenzene	<0.870	µg/L	0.870	1.00	1	04/23/23 12:57	ASH	L677857
Hexachlorobutadiene	<0.910	µg/L	0.910	1.00	1	04/23/23 12:57	ASH	L677857
2-Hexanone	<3.14	µg/L	3.14	5.00	1	04/23/23 12:57	ASH	L677857
Iodomethane	<2.59	µg/L	2.59	5.00	1	04/23/23 12:57	ASH	L677857
Isopropylbenzene	<0.920	µg/L	0.920	1.00	1	04/23/23 12:57	ASH	L677857
4-Isopropyl toluene	<0.950	µg/L	0.950	1.00	1	04/23/23 12:57	ASH	L677857
4-Methyl-2-Pentanone	<3.05	µg/L	3.05	5.00	1	04/23/23 12:57	ASH	L677857
Methylene Chloride	<1.98	µg/L	1.98	5.00	1	04/23/23 12:57	ASH	L677857
Methyl tert-butyl ether (MTBE)	<0.820	µg/L	0.820	1.00	1	04/23/23 12:57	ASH	L677857
m,p-Xylene	<1.74	µg/L	1.74	2.00	1	04/23/23 12:57	ASH	L677857
Naphthalene	<3.72	µg/L	3.72	5.00	1	04/23/23 12:57	ASH	L677857
o-Xylene	<0.890	µg/L	0.890	1.00	1	04/23/23 12:57	ASH	L677857
n-Propylbenzene	<0.980	µg/L	0.980	1.00	1	04/23/23 12:57	ASH	L677857
Styrene	<0.890	µg/L	0.890	1.00	1	04/23/23 12:57	ASH	L677857
1,1,1,2-Tetrachloroethane	<0.840	µg/L	0.840	1.00	1	04/23/23 12:57	ASH	L677857
1,1,2,2-Tetrachloroethane	<0.460	µg/L	0.460	1.00	1	04/23/23 12:57	ASH	L677857
Tetrachloroethene	<0.580	µg/L	0.580	1.00	1	04/23/23 12:57	ASH	L677857
Toluene	<0.720	µg/L	0.720	2.00	1	04/23/23 12:57	ASH	L677857
1,2,3-Trichlorobenzene	<1.93	µg/L	1.93	2.00	1	04/23/23 12:57	ASH	L677857
1,2,4-Trichlorobenzene	<1.59	µg/L	1.59	2.00	1	04/23/23 12:57	ASH	L677857
1,1,1-Trichloroethane	<0.600	µg/L	0.600	1.00	1	04/23/23 12:57	ASH	L677857
1,1,2-Trichloroethane	<0.880	µg/L	0.880	1.00	1	04/23/23 12:57	ASH	L677857

Qualifiers/ Definitions
DF Dilution Factor
MQL Method Quantitation Limit
J Estimated value

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Project Legends Park

Information : 198 N. Pauline-Memphis, TN
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Report Date : 04/27/2023
Received : 04/20/2023

Rebekah Ross
Project Manager

Report Number : **23-111-0040**

REPORT OF ANALYSIS

Lab No : **99803**
Sample ID : **LEGTBB04202023**

Matrix: **Aqueous**
Sampled: **4/20/2023 9:13**

Analytical Method: 8260B **Prep Batch(es):** **L677772** 04/23/23 08:43
Prep Method: 5030B

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Batch
Trichloroethene	<0.790	µg/L	0.790	1.00	1	04/23/23 12:57	ASH	L677857
Trichlorofluoromethane	<0.510	µg/L	0.510	1.00	1	04/23/23 12:57	ASH	L677857
1,2,3-Trichloropropane	<0.790	µg/L	0.790	1.00	1	04/23/23 12:57	ASH	L677857
1,2,4-Trimethylbenzene	<1.00	µg/L	1.00	1.00	1	04/23/23 12:57	ASH	L677857
1,3,5-Trimethylbenzene	<1.00	µg/L	1.00	1.00	1	04/23/23 12:57	ASH	L677857
Vinyl Acetate	<3.11	µg/L	3.11	10.0	1	04/23/23 12:57	ASH	L677857
Vinyl Chloride	<0.710	µg/L	0.710	1.00	1	04/23/23 12:57	ASH	L677857
Xylene (Total)	<0.89	µg/L	0.890	1.00	1	04/23/23 12:57		L677857
Surrogate: 4-Bromofluorobenzene	93.2		Limits: 71-137%		1	04/23/23 12:57	ASH	L677857
Surrogate: Dibromofluoromethane	106		Limits: 70-128%		1	04/23/23 12:57	ASH	L677857
Surrogate: 1,2-Dichloroethane - d4	122		Limits: 63-136%		1	04/23/23 12:57	ASH	L677857
Surrogate: Toluene-d8	110		Limits: 70-130%		1	04/23/23 12:57	ASH	L677857

Qualifiers/ Definitions

DF Dilution Factor
MQL Method Quantitation Limit
J Estimated value

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Report Date : 04/27/2023
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Rebekah Ross
Project Manager

Report Number : **23-111-0040**

REPORT OF ANALYSIS

Lab No : **99804**
Sample ID : **LEGSSB25-01**

Matrix: **Solids**
Sampled: **4/20/2023 9:20**

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Method
Moisture	**15.5**	%			1	04/24/23 16:25	JLS	SW-DRYWT
Arsenic	**7.68**	mg/Kg - dry	0.284	0.591	1	04/25/23 06:02	BKN	6010D
Barium	**116**	mg/Kg - dry	0.153	0.591	1	04/25/23 06:02	BKN	6010D
Cadmium	**0.551**	mg/Kg - dry	0.0236	0.118	1	04/25/23 06:02	BKN	6010D
Chromium	**14.4**	mg/Kg - dry	0.279	0.295	1	04/25/23 06:02	BKN	6010D
Lead	**26.0**	mg/Kg - dry	0.213	0.355	1	04/25/23 06:02	BKN	6010D
Mercury	**0.0633 J**	mg/Kg - dry	0.0251	0.208	1	04/26/23 14:43	FDS	7471A
Selenium	<1.89	mg/Kg - dry	1.89	2.96	5	04/26/23 00:13	BKN	6010D
Silver	<0.189	mg/Kg - dry	0.189	0.296	1	04/25/23 06:02	BKN	6010D

Qualifiers/ Definitions

DF Dilution Factor
MQL Method Quantitation Limit
J Estimated value

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Report Date : 04/27/2023
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Rebekah Ross
Project Manager

Report Number : **23-111-0040**

REPORT OF ANALYSIS

Lab No : **99804**
Sample ID : **LEGSSB25-01**

Matrix: **Solids**
Sampled: **4/20/2023 9:20**

Analytical Method: 8260B **Prep Batch(es):** **L677746** 04/23/23 08:40
Prep Method: 5035

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Batch
Acetone	**0.0762**	mg/Kg - dry	0.0051	0.0473	1	04/23/23 18:43	ASH	L677815
Acetonitrile	<0.0617	mg/Kg - dry	0.0617	0.237	1	04/23/23 18:43	ASH	L677815
Acrolein	<0.0097	mg/Kg - dry	0.0097	0.0473	1	04/23/23 18:43	ASH	L677815
Acrylonitrile	<0.0044	mg/Kg - dry	0.0044	0.0473	1	04/23/23 18:43	ASH	L677815
Benzene	<0.0004	mg/Kg - dry	0.0004	0.0023	1	04/23/23 18:43	ASH	L677815
Bromobenzene	<0.0008	mg/Kg - dry	0.0008	0.0023	1	04/23/23 18:43	ASH	L677815
Bromochloromethane	<0.0005	mg/Kg - dry	0.0005	0.0023	1	04/23/23 18:43	ASH	L677815
Bromodichloromethane	<0.0009	mg/Kg - dry	0.0009	0.0023	1	04/23/23 18:43	ASH	L677815
Bromoform	<0.0015	mg/Kg - dry	0.0015	0.0023	1	04/23/23 18:43	ASH	L677815
Bromomethane	<0.0018	mg/Kg - dry	0.0018	0.0023	1	04/23/23 18:43	ASH	L677815
Methyl Ethyl Ketone (MEK)	**0.0057 J**	mg/Kg - dry	0.0045	0.0473	1	04/23/23 18:43	ASH	L677815
n-Butylbenzene	<0.0011	mg/Kg - dry	0.0011	0.0023	1	04/23/23 18:43	ASH	L677815
sec-Butyl benzene	<0.0011	mg/Kg - dry	0.0011	0.0023	1	04/23/23 18:43	ASH	L677815
tert-Butyl benzene	<0.0008	mg/Kg - dry	0.0008	0.0023	1	04/23/23 18:43	ASH	L677815
Carbon Disulfide	<0.0033	mg/Kg - dry	0.0033	0.0118	1	04/23/23 18:43	ASH	L677815
Carbon Tetrachloride	<0.0004	mg/Kg - dry	0.0004	0.0023	1	04/23/23 18:43	ASH	L677815
Chlorobenzene	<0.0009	mg/Kg - dry	0.0009	0.0023	1	04/23/23 18:43	ASH	L677815
Chlorodibromomethane	<0.0012	mg/Kg - dry	0.0012	0.0023	1	04/23/23 18:43	ASH	L677815
Chloroethane	<0.0009	mg/Kg - dry	0.0009	0.0023	1	04/23/23 18:43	ASH	L677815
Chloroform	<0.0006	mg/Kg - dry	0.0006	0.0023	1	04/23/23 18:43	ASH	L677815
Chloromethane	<0.0008	mg/Kg - dry	0.0008	0.0023	1	04/23/23 18:43	ASH	L677815
2-Chlorotoluene	<0.0011	mg/Kg - dry	0.0011	0.0023	1	04/23/23 18:43	ASH	L677815

Qualifiers/ Definitions
DF Dilution Factor
MQL Method Quantitation Limit
J Estimated value

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Report Date : 04/27/2023
Received : 04/20/2023

Rebekah Ross
Project Manager

Report Number : **23-111-0040**

REPORT OF ANALYSIS

Lab No : **99804**
Sample ID : **LEGSSB25-01**

Matrix: **Solids**
Sampled: **4/20/2023 9:20**

Analytical Method: 8260B **Prep Batch(es):** **L677746** 04/23/23 08:40
Prep Method: 5035

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Batch
4-Chlorotoluene	<0.0012	mg/Kg - dry	0.0012	0.0023	1	04/23/23 18:43	ASH	L677815
1,2-Dibromo-3-Chloropropane	<0.0077	mg/Kg - dry	0.0077	0.0118	1	04/23/23 18:43	ASH	L677815
1,2-Dibromoethane	<0.0010	mg/Kg - dry	0.0010	0.0023	1	04/23/23 18:43	ASH	L677815
Dibromomethane	<0.0008	mg/Kg - dry	0.0008	0.0023	1	04/23/23 18:43	ASH	L677815
1,2-Dichlorobenzene	<0.0016	mg/Kg - dry	0.0016	0.0023	1	04/23/23 18:43	ASH	L677815
1,3-Dichlorobenzene	<0.0015	mg/Kg - dry	0.0015	0.0023	1	04/23/23 18:43	ASH	L677815
1,4-Dichlorobenzene	<0.0017	mg/Kg - dry	0.0017	0.0023	1	04/23/23 18:43	ASH	L677815
Dichlorodifluoromethane	<0.0022	mg/Kg - dry	0.0022	0.0023	1	04/23/23 18:43	ASH	L677815
1,1-Dichloroethane	<0.0004	mg/Kg - dry	0.0004	0.0023	1	04/23/23 18:43	ASH	L677815
1,2-Dichloroethane	<0.0005	mg/Kg - dry	0.0005	0.0023	1	04/23/23 18:43	ASH	L677815
1,1-Dichloroethene	<0.0006	mg/Kg - dry	0.0006	0.0023	1	04/23/23 18:43	ASH	L677815
cis-1,2-Dichloroethene	<0.0006	mg/Kg - dry	0.0006	0.0023	1	04/23/23 18:43	ASH	L677815
trans-1,2-Dichloroethene	<0.0003	mg/Kg - dry	0.0003	0.0023	1	04/23/23 18:43	ASH	L677815
1,2-Dichloroethene (Total)	<0.0003	mg/Kg - dry	0.0003	0.0023	1	04/23/23 18:43		L677815
1,2-Dichloropropane	<0.0007	mg/Kg - dry	0.0007	0.0023	1	04/23/23 18:43	ASH	L677815
1,3-Dichloropropane	<0.0010	mg/Kg - dry	0.0010	0.0023	1	04/23/23 18:43	ASH	L677815
2,2-Dichloropropane	<0.0006	mg/Kg - dry	0.0006	0.0023	1	04/23/23 18:43	ASH	L677815
1,1-Dichloropropene	<0.0004	mg/Kg - dry	0.0004	0.0023	1	04/23/23 18:43	ASH	L677815
cis-1,3-Dichloropropene	<0.0009	mg/Kg - dry	0.0009	0.0023	1	04/23/23 18:43	ASH	L677815
trans-1,3-Dichloropropene	<0.0008	mg/Kg - dry	0.0008	0.0023	1	04/23/23 18:43	ASH	L677815
Ethyl Acetate	<0.0071	mg/Kg - dry	0.0071	0.0473	1	04/23/23 18:43	ASH	L677815
Ethylbenzene	<0.0007	mg/Kg - dry	0.0007	0.0023	1	04/23/23 18:43	ASH	L677815

Qualifiers/ Definitions
DF Dilution Factor
MQL Method Quantitation Limit
J Estimated value

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Ms. Allison Harris
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Memphis , TN 38134

Project Legends Park

Information : 198 N. Pauline-Memphis, TN
Project No. 0888834617

Report Date : 04/27/2023
Received : 04/20/2023

Rebekah Ross
Project Manager

Report Number : **23-111-0040**

REPORT OF ANALYSIS

Lab No : **99804**
Sample ID : **LEGSSB25-01**

Matrix: **Solids**
Sampled: **4/20/2023 9:20**

Analytical Method: 8260B **Prep Batch(es):** **L677746** 04/23/23 08:40
Prep Method: 5035

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Batch
Hexachlorobutadiene	<0.0011	mg/Kg - dry	0.0011	0.0023	1	04/23/23 18:43	ASH	L677815
2-Hexanone	<0.0071	mg/Kg - dry	0.0071	0.0118	1	04/23/23 18:43	ASH	L677815
Iodomethane	<0.0053	mg/Kg - dry	0.0053	0.0118	1	04/23/23 18:43	ASH	L677815
Isopropylbenzene	<0.0008	mg/Kg - dry	0.0008	0.0023	1	04/23/23 18:43	ASH	L677815
4-Isopropyl toluene	<0.0011	mg/Kg - dry	0.0011	0.0023	1	04/23/23 18:43	ASH	L677815
4-Methyl-2-Pentanone	<0.0069	mg/Kg - dry	0.0069	0.0118	1	04/23/23 18:43	ASH	L677815
Methylene Chloride	<0.0032	mg/Kg - dry	0.0032	0.0118	1	04/23/23 18:43	ASH	L677815
Methyl tert-butyl ether (MTBE)	<0.0007	mg/Kg - dry	0.0007	0.0023	1	04/23/23 18:43	ASH	L677815
m,p-Xylene	<0.0017	mg/Kg - dry	0.0017	0.0047	1	04/23/23 18:43	ASH	L677815
Naphthalene	<0.0074	mg/Kg - dry	0.0074	0.0118	1	04/23/23 18:43	ASH	L677815
o-Xylene	<0.0009	mg/Kg - dry	0.0009	0.0023	1	04/23/23 18:43	ASH	L677815
n-Propyl acetate	<0.0080	mg/Kg - dry	0.0080	0.0118	1	04/23/23 18:43	ASH	L677815
n-Propylbenzene	<0.0007	mg/Kg - dry	0.0007	0.0023	1	04/23/23 18:43	ASH	L677815
Styrene	<0.0013	mg/Kg - dry	0.0013	0.0023	1	04/23/23 18:43	ASH	L677815
1,1,1,2-Tetrachloroethane	<0.0010	mg/Kg - dry	0.0010	0.0023	1	04/23/23 18:43	ASH	L677815
1,1,2,2-Tetrachloroethane	<0.0022	mg/Kg - dry	0.0022	0.0023	1	04/23/23 18:43	ASH	L677815
Tetrachloroethene	<0.0009	mg/Kg - dry	0.0009	0.0023	1	04/23/23 18:43	ASH	L677815
Toluene	<0.0038	mg/Kg - dry	0.0038	0.0047	1	04/23/23 18:43	ASH	L677815
1,2,3-Trichlorobenzene	<0.0023	mg/Kg - dry	0.0023	0.0023	1	04/23/23 18:43	ASH	L677815
1,2,4-Trichlorobenzene	<0.0013	mg/Kg - dry	0.0013	0.0023	1	04/23/23 18:43	ASH	L677815
1,1,1-Trichloroethane	<0.0004	mg/Kg - dry	0.0004	0.0023	1	04/23/23 18:43	ASH	L677815
1,1,2-Trichloroethane	<0.0012	mg/Kg - dry	0.0012	0.0023	1	04/23/23 18:43	ASH	L677815

Qualifiers/ Definitions

DF Dilution Factor
MQL Method Quantitation Limit
J Estimated value

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Project Legends Park
Information : 198 N. Pauline-Memphis, TN
Project No. 0888834617

Report Date : 04/27/2023
Received : 04/20/2023

Rebekah Ross
Project Manager

Report Number : **23-111-0040**

REPORT OF ANALYSIS

Lab No : **99804**
Sample ID : **LEGSSB25-01**

Matrix: **Solids**
Sampled: **4/20/2023 9:20**

Analytical Method: 8260B **Prep Batch(es):** **L677746** 04/23/23 08:40
Prep Method: 5035

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Batch
Trichloroethene	<0.0010	mg/Kg - dry	0.0010	0.0023	1	04/23/23 18:43	ASH	L677815
Trichlorofluoromethane	<0.0010	mg/Kg - dry	0.0010	0.0023	1	04/23/23 18:43	ASH	L677815
1,2,3-Trichloropropane	<0.0017	mg/Kg - dry	0.0017	0.0023	1	04/23/23 18:43	ASH	L677815
1,2,4-Trimethylbenzene	<0.0009	mg/Kg - dry	0.0009	0.0023	1	04/23/23 18:43	ASH	L677815
1,3,5-Trimethylbenzene	<0.0010	mg/Kg - dry	0.0010	0.0023	1	04/23/23 18:43	ASH	L677815
Vinyl Acetate	<0.0047	mg/Kg - dry	0.0047	0.0473	1	04/23/23 18:43	ASH	L677815
Vinyl Chloride	<0.0008	mg/Kg - dry	0.0008	0.0023	1	04/23/23 18:43	ASH	L677815
Xylene (Total)	<0.0009	mg/Kg - dry	0.0009	0.0023	1	04/23/23 18:43	KCC	L677815
Surrogate: 4-Bromofluorobenzene	87.1		Limits: 60-140%		1	04/23/23 18:43	ASH	L677815
Surrogate: 1,2-Dichloroethane - d4	119		Limits: 60-140%		1	04/23/23 18:43	ASH	L677815
Surrogate: Toluene-d8	85.6		Limits: 60-140%		1	04/23/23 18:43	ASH	L677815

Qualifiers/ Definitions
DF Dilution Factor
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Report Date : 04/27/2023
Received : 04/20/2023

Rebekah Ross
Project Manager

Report Number : **23-111-0040**

REPORT OF ANALYSIS

Lab No : **99805**
Sample ID : **LEGSSB25-03**

Matrix: **Solids**
Sampled: **4/20/2023 9:30**

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Method
Moisture	**21.1**	%			1	04/24/23 16:25	JLS	SW-DRYWT
Arsenic	**9.73**	mg/Kg - dry	0.304	0.633	1	04/25/23 06:07	BKN	6010D
Barium	**147**	mg/Kg - dry	0.164	0.633	1	04/25/23 06:07	BKN	6010D
Cadmium	**0.474**	mg/Kg - dry	0.0253	0.127	1	04/25/23 06:07	BKN	6010D
Chromium	**13.6**	mg/Kg - dry	0.299	0.316	1	04/25/23 06:07	BKN	6010D
Lead	**11.2**	mg/Kg - dry	0.228	0.380	1	04/25/23 06:07	BKN	6010D
Mercury	**0.0305 J**	mg/Kg - dry	0.0294	0.243	1	04/26/23 14:45	FDS	7471A
Selenium	<2.03	mg/Kg - dry	2.03	3.17	5	04/26/23 00:18	BKN	6010D
Silver	<0.203	mg/Kg - dry	0.203	0.317	1	04/25/23 06:07	BKN	6010D

Qualifiers/ Definitions

DF Dilution Factor
MQL Method Quantitation Limit
J Estimated value

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Rebekah Ross
Project Manager

Report Number : **23-111-0040**

REPORT OF ANALYSIS

Lab No : **99805**
Sample ID : **LEGSSB25-03**

Matrix: **Solids**
Sampled: **4/20/2023 9:30**

Analytical Method: 8260B **Prep Batch(es):** **L677746** 04/23/23 08:40
Prep Method: 5035

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Batch
Acetone	**0.0557**	mg/Kg - dry	0.0055	0.0506	1	04/23/23 19:17	ASH	L677815
Acetonitrile	<0.0661	mg/Kg - dry	0.0661	0.253	1	04/23/23 19:17	ASH	L677815
Acrolein	<0.0104	mg/Kg - dry	0.0104	0.0506	1	04/23/23 19:17	ASH	L677815
Acrylonitrile	<0.0048	mg/Kg - dry	0.0048	0.0506	1	04/23/23 19:17	ASH	L677815
Benzene	<0.0004	mg/Kg - dry	0.0004	0.0025	1	04/23/23 19:17	ASH	L677815
Bromobenzene	<0.0009	mg/Kg - dry	0.0009	0.0025	1	04/23/23 19:17	ASH	L677815
Bromochloromethane	<0.0005	mg/Kg - dry	0.0005	0.0025	1	04/23/23 19:17	ASH	L677815
Bromodichloromethane	<0.0009	mg/Kg - dry	0.0009	0.0025	1	04/23/23 19:17	ASH	L677815
Bromoform	<0.0016	mg/Kg - dry	0.0016	0.0025	1	04/23/23 19:17	ASH	L677815
Bromomethane	<0.0020	mg/Kg - dry	0.0020	0.0025	1	04/23/23 19:17	ASH	L677815
Methyl Ethyl Ketone (MEK)	**0.0073 J**	mg/Kg - dry	0.0048	0.0506	1	04/23/23 19:17	ASH	L677815
n-Butylbenzene	<0.0011	mg/Kg - dry	0.0011	0.0025	1	04/23/23 19:17	ASH	L677815
sec-Butyl benzene	<0.0011	mg/Kg - dry	0.0011	0.0025	1	04/23/23 19:17	ASH	L677815
tert-Butyl benzene	<0.0009	mg/Kg - dry	0.0009	0.0025	1	04/23/23 19:17	ASH	L677815
Carbon Disulfide	<0.0035	mg/Kg - dry	0.0035	0.0126	1	04/23/23 19:17	ASH	L677815
Carbon Tetrachloride	<0.0005	mg/Kg - dry	0.0005	0.0025	1	04/23/23 19:17	ASH	L677815
Chlorobenzene	<0.0009	mg/Kg - dry	0.0009	0.0025	1	04/23/23 19:17	ASH	L677815
Chlorodibromomethane	<0.0013	mg/Kg - dry	0.0013	0.0025	1	04/23/23 19:17	ASH	L677815
Chloroethane	<0.0010	mg/Kg - dry	0.0010	0.0025	1	04/23/23 19:17	ASH	L677815
Chloroform	<0.0006	mg/Kg - dry	0.0006	0.0025	1	04/23/23 19:17	ASH	L677815
Chloromethane	<0.0009	mg/Kg - dry	0.0009	0.0025	1	04/23/23 19:17	ASH	L677815
2-Chlorotoluene	<0.0012	mg/Kg - dry	0.0012	0.0025	1	04/23/23 19:17	ASH	L677815

Qualifiers/ Definitions
DF Dilution Factor
MQL Method Quantitation Limit
J Estimated value

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Project Legends Park

Information : 198 N. Pauline-Memphis, TN
Project No. 0888834617

Report Date : 04/27/2023
Received : 04/20/2023

Rebekah Ross
Project Manager

Report Number : **23-111-0040**

REPORT OF ANALYSIS

Lab No : **99805**
Sample ID : **LEGSSB25-03**

Matrix: **Solids**
Sampled: **4/20/2023 9:30**

Analytical Method: 8260B **Prep Batch(es):** **L677746** 04/23/23 08:40
Prep Method: 5035

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Batch
4-Chlorotoluene	<0.0013	mg/Kg - dry	0.0013	0.0025	1	04/23/23 19:17	ASH	L677815
1,2-Dibromo-3-Chloropropane	<0.0083	mg/Kg - dry	0.0083	0.0126	1	04/23/23 19:17	ASH	L677815
1,2-Dibromoethane	<0.0011	mg/Kg - dry	0.0011	0.0025	1	04/23/23 19:17	ASH	L677815
Dibromomethane	<0.0008	mg/Kg - dry	0.0008	0.0025	1	04/23/23 19:17	ASH	L677815
1,2-Dichlorobenzene	<0.0017	mg/Kg - dry	0.0017	0.0025	1	04/23/23 19:17	ASH	L677815
1,3-Dichlorobenzene	<0.0016	mg/Kg - dry	0.0016	0.0025	1	04/23/23 19:17	ASH	L677815
1,4-Dichlorobenzene	<0.0019	mg/Kg - dry	0.0019	0.0025	1	04/23/23 19:17	ASH	L677815
Dichlorodifluoromethane	<0.0023	mg/Kg - dry	0.0023	0.0025	1	04/23/23 19:17	ASH	L677815
1,1-Dichloroethane	<0.0004	mg/Kg - dry	0.0004	0.0025	1	04/23/23 19:17	ASH	L677815
1,2-Dichloroethane	<0.0005	mg/Kg - dry	0.0005	0.0025	1	04/23/23 19:17	ASH	L677815
1,1-Dichloroethene	<0.0007	mg/Kg - dry	0.0007	0.0025	1	04/23/23 19:17	ASH	L677815
cis-1,2-Dichloroethene	<0.0006	mg/Kg - dry	0.0006	0.0025	1	04/23/23 19:17	ASH	L677815
trans-1,2-Dichloroethene	<0.0003	mg/Kg - dry	0.0003	0.0025	1	04/23/23 19:17	ASH	L677815
1,2-Dichloroethene (Total)	<0.0003	mg/Kg - dry	0.0003	0.0025	1	04/23/23 19:17		L677815
1,2-Dichloropropane	<0.0008	mg/Kg - dry	0.0008	0.0025	1	04/23/23 19:17	ASH	L677815
1,3-Dichloropropane	<0.0011	mg/Kg - dry	0.0011	0.0025	1	04/23/23 19:17	ASH	L677815
2,2-Dichloropropane	<0.0007	mg/Kg - dry	0.0007	0.0025	1	04/23/23 19:17	ASH	L677815
1,1-Dichloropropene	<0.0004	mg/Kg - dry	0.0004	0.0025	1	04/23/23 19:17	ASH	L677815
cis-1,3-Dichloropropene	<0.0009	mg/Kg - dry	0.0009	0.0025	1	04/23/23 19:17	ASH	L677815
trans-1,3-Dichloropropene	<0.0009	mg/Kg - dry	0.0009	0.0025	1	04/23/23 19:17	ASH	L677815
Ethyl Acetate	<0.0076	mg/Kg - dry	0.0076	0.0506	1	04/23/23 19:17	ASH	L677815
Ethylbenzene	<0.0008	mg/Kg - dry	0.0008	0.0025	1	04/23/23 19:17	ASH	L677815

Qualifiers/ Definitions

DF Dilution Factor
MQL Method Quantitation Limit
J Estimated value

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Project Legends Park

Information : 198 N. Pauline-Memphis, TN
Project No. 0888834617

Report Date : 04/27/2023
Received : 04/20/2023

Rebekah Ross
Project Manager

Report Number : **23-111-0040**

REPORT OF ANALYSIS

Lab No : **99805**
Sample ID : **LEGSSB25-03**

Matrix: **Solids**
Sampled: **4/20/2023 9:30**

Analytical Method: 8260B **Prep Batch(es):** **L677746** 04/23/23 08:40
Prep Method: 5035

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Batch
Hexachlorobutadiene	<0.0011	mg/Kg - dry	0.0011	0.0025	1	04/23/23 19:17	ASH	L677815
2-Hexanone	<0.0076	mg/Kg - dry	0.0076	0.0126	1	04/23/23 19:17	ASH	L677815
Iodomethane	<0.0057	mg/Kg - dry	0.0057	0.0126	1	04/23/23 19:17	ASH	L677815
Isopropylbenzene	<0.0009	mg/Kg - dry	0.0009	0.0025	1	04/23/23 19:17	ASH	L677815
4-Isopropyl toluene	<0.0012	mg/Kg - dry	0.0012	0.0025	1	04/23/23 19:17	ASH	L677815
4-Methyl-2-Pentanone	<0.0074	mg/Kg - dry	0.0074	0.0126	1	04/23/23 19:17	ASH	L677815
Methylene Chloride	<0.0035	mg/Kg - dry	0.0035	0.0126	1	04/23/23 19:17	ASH	L677815
Methyl tert-butyl ether (MTBE)	<0.0007	mg/Kg - dry	0.0007	0.0025	1	04/23/23 19:17	ASH	L677815
m,p-Xylene	<0.0018	mg/Kg - dry	0.0018	0.0050	1	04/23/23 19:17	ASH	L677815
Naphthalene	<0.0080	mg/Kg - dry	0.0080	0.0126	1	04/23/23 19:17	ASH	L677815
o-Xylene	<0.0009	mg/Kg - dry	0.0009	0.0025	1	04/23/23 19:17	ASH	L677815
n-Propyl acetate	<0.0085	mg/Kg - dry	0.0085	0.0126	1	04/23/23 19:17	ASH	L677815
n-Propylbenzene	<0.0007	mg/Kg - dry	0.0007	0.0025	1	04/23/23 19:17	ASH	L677815
Styrene	<0.0014	mg/Kg - dry	0.0014	0.0025	1	04/23/23 19:17	ASH	L677815
1,1,1,2-Tetrachloroethane	<0.0011	mg/Kg - dry	0.0011	0.0025	1	04/23/23 19:17	ASH	L677815
1,1,2,2-Tetrachloroethane	<0.0023	mg/Kg - dry	0.0023	0.0025	1	04/23/23 19:17	ASH	L677815
Tetrachloroethene	<0.0010	mg/Kg - dry	0.0010	0.0025	1	04/23/23 19:17	ASH	L677815
Toluene	<0.0041	mg/Kg - dry	0.0041	0.0050	1	04/23/23 19:17	ASH	L677815
1,2,3-Trichlorobenzene	<0.0025	mg/Kg - dry	0.0025	0.0025	1	04/23/23 19:17	ASH	L677815
1,2,4-Trichlorobenzene	<0.0014	mg/Kg - dry	0.0014	0.0025	1	04/23/23 19:17	ASH	L677815
1,1,1-Trichloroethane	<0.0004	mg/Kg - dry	0.0004	0.0025	1	04/23/23 19:17	ASH	L677815
1,1,2-Trichloroethane	<0.0012	mg/Kg - dry	0.0012	0.0025	1	04/23/23 19:17	ASH	L677815

Qualifiers/ Definitions

DF Dilution Factor
MQL Method Quantitation Limit
J Estimated value

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Project Legends Park
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Project No. 0888834617

Report Date : 04/27/2023
Received : 04/20/2023

Rebekah Ross
Project Manager

Report Number : **23-111-0040**

REPORT OF ANALYSIS

Lab No : **99805**
Sample ID : **LEGSSB25-03**

Matrix: **Solids**
Sampled: **4/20/2023 9:30**

Analytical Method: 8260B **Prep Batch(es):** **L677746** 04/23/23 08:40
Prep Method: 5035

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Batch
Trichloroethene	<0.0011	mg/Kg - dry	0.0011	0.0025	1	04/23/23 19:17	ASH	L677815
Trichlorofluoromethane	<0.0011	mg/Kg - dry	0.0011	0.0025	1	04/23/23 19:17	ASH	L677815
1,2,3-Trichloropropane	<0.0019	mg/Kg - dry	0.0019	0.0025	1	04/23/23 19:17	ASH	L677815
1,2,4-Trimethylbenzene	<0.0010	mg/Kg - dry	0.0010	0.0025	1	04/23/23 19:17	ASH	L677815
1,3,5-Trimethylbenzene	<0.0011	mg/Kg - dry	0.0011	0.0025	1	04/23/23 19:17	ASH	L677815
Vinyl Acetate	<0.0051	mg/Kg - dry	0.0051	0.0506	1	04/23/23 19:17	ASH	L677815
Vinyl Chloride	<0.0009	mg/Kg - dry	0.0009	0.0025	1	04/23/23 19:17	ASH	L677815
Xylene (Total)	<0.0009	mg/Kg - dry	0.0009	0.0025	1	04/23/23 19:17	KCC	L677815
Surrogate: 4-Bromofluorobenzene	82.6		Limits: 60-140%		1	04/23/23 19:17	ASH	L677815
Surrogate: 1,2-Dichloroethane - d4	120		Limits: 60-140%		1	04/23/23 19:17	ASH	L677815
Surrogate: Toluene-d8	83.9		Limits: 60-140%		1	04/23/23 19:17	ASH	L677815

Qualifiers/ Definitions
DF Dilution Factor
MQL Method Quantitation Limit
J Estimated value

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Project Legends Park

Information : 198 N. Pauline-Memphis, TN
Project No. 0888834617

Report Date : 04/27/2023
Received : 04/20/2023

Rebekah Ross
Project Manager

Report Number : **23-111-0040**

REPORT OF ANALYSIS

Lab No : **99806**
Sample ID : **LEGSSB26-01**

Matrix: **Solids**
Sampled: **4/20/2023 9:37**

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Method
Moisture	**16.3**	%			1	04/24/23 16:25	JLS	SW-DRYWT
Arsenic	**10.2**	mg/Kg - dry	0.286	0.597	1	04/25/23 06:13	BKN	6010D
Barium	**135**	mg/Kg - dry	0.155	0.597	1	04/25/23 06:13	BKN	6010D
Cadmium	**0.570**	mg/Kg - dry	0.0238	0.119	1	04/25/23 06:13	BKN	6010D
Chromium	**14.6**	mg/Kg - dry	0.281	0.298	1	04/25/23 06:13	BKN	6010D
Lead	**35.5**	mg/Kg - dry	0.215	0.358	1	04/25/23 06:13	BKN	6010D
Mercury	**0.0738 J**	mg/Kg - dry	0.0264	0.219	1	04/26/23 14:46	FDS	7471A
Selenium	<1.91	mg/Kg - dry	1.91	2.99	5	04/26/23 00:23	BKN	6010D
Silver	<0.191	mg/Kg - dry	0.191	0.299	1	04/25/23 06:13	BKN	6010D

Qualifiers/ Definitions

DF Dilution Factor
MQL Method Quantitation Limit
J Estimated value

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Project Legends Park
Information : 198 N. Pauline-Memphis, TN
Project No. 0888834617

Report Date : 04/27/2023
Received : 04/20/2023

Rebekah Ross
Project Manager

Report Number : **23-111-0040**

REPORT OF ANALYSIS

Lab No : **99806**
Sample ID : **LEGSSB26-01**

Matrix: **Solids**
Sampled: **4/20/2023 9:37**

Analytical Method: 8260B **Prep Batch(es):** **L677746** 04/23/23 08:40
Prep Method: 5035

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Batch
Acetone	**0.204**	mg/Kg - dry	0.0062	0.0574	1	04/23/23 19:50	ASH	L677815
Acetonitrile	<0.0747	mg/Kg - dry	0.0747	0.287	1	04/23/23 19:50	ASH	L677815
Acrolein	<0.0118	mg/Kg - dry	0.0118	0.0574	1	04/23/23 19:50	ASH	L677815
Acrylonitrile	<0.0054	mg/Kg - dry	0.0054	0.0574	1	04/23/23 19:50	ASH	L677815
Benzene	<0.0005	mg/Kg - dry	0.0005	0.0028	1	04/23/23 19:50	ASH	L677815
Bromobenzene	<0.0010	mg/Kg - dry	0.0010	0.0028	1	04/23/23 19:50	ASH	L677815
Bromochloromethane	<0.0006	mg/Kg - dry	0.0006	0.0028	1	04/23/23 19:50	ASH	L677815
Bromodichloromethane	<0.0011	mg/Kg - dry	0.0011	0.0028	1	04/23/23 19:50	ASH	L677815
Bromoform	<0.0018	mg/Kg - dry	0.0018	0.0028	1	04/23/23 19:50	ASH	L677815
Bromomethane	<0.0022	mg/Kg - dry	0.0022	0.0028	1	04/23/23 19:50	ASH	L677815
Methyl Ethyl Ketone (MEK)	**0.0274 J**	mg/Kg - dry	0.0054	0.0574	1	04/23/23 19:50	ASH	L677815
n-Butylbenzene	<0.0013	mg/Kg - dry	0.0013	0.0028	1	04/23/23 19:50	ASH	L677815
sec-Butyl benzene	<0.0013	mg/Kg - dry	0.0013	0.0028	1	04/23/23 19:50	ASH	L677815
tert-Butyl benzene	<0.0010	mg/Kg - dry	0.0010	0.0028	1	04/23/23 19:50	ASH	L677815
Carbon Disulfide	<0.0040	mg/Kg - dry	0.0040	0.0143	1	04/23/23 19:50	ASH	L677815
Carbon Tetrachloride	<0.0005	mg/Kg - dry	0.0005	0.0028	1	04/23/23 19:50	ASH	L677815
Chlorobenzene	<0.0011	mg/Kg - dry	0.0011	0.0028	1	04/23/23 19:50	ASH	L677815
Chlorodibromomethane	<0.0015	mg/Kg - dry	0.0015	0.0028	1	04/23/23 19:50	ASH	L677815
Chloroethane	<0.0012	mg/Kg - dry	0.0012	0.0028	1	04/23/23 19:50	ASH	L677815
Chloroform	<0.0007	mg/Kg - dry	0.0007	0.0028	1	04/23/23 19:50	ASH	L677815
Chloromethane	<0.0010	mg/Kg - dry	0.0010	0.0028	1	04/23/23 19:50	ASH	L677815
2-Chlorotoluene	<0.0014	mg/Kg - dry	0.0014	0.0028	1	04/23/23 19:50	ASH	L677815

Qualifiers/ Definitions
DF Dilution Factor
MQL Method Quantitation Limit
J Estimated value

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Project Legends Park

Information : 198 N. Pauline-Memphis, TN
Project No. 0888834617

Report Date : 04/27/2023
Received : 04/20/2023

Rebekah Ross
Project Manager

Report Number : **23-111-0040**

REPORT OF ANALYSIS

Lab No : **99806**
Sample ID : **LEGSSB26-01**

Matrix: **Solids**
Sampled: **4/20/2023 9:37**

Analytical Method: 8260B **Prep Batch(es):** **L677746** 04/23/23 08:40
Prep Method: 5035

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Batch
4-Chlorotoluene	<0.0015	mg/Kg - dry	0.0015	0.0028	1	04/23/23 19:50	ASH	L677815
1,2-Dibromo-3-Chloropropane	<0.0094	mg/Kg - dry	0.0094	0.0143	1	04/23/23 19:50	ASH	L677815
1,2-Dibromoethane	<0.0012	mg/Kg - dry	0.0012	0.0028	1	04/23/23 19:50	ASH	L677815
Dibromomethane	<0.0009	mg/Kg - dry	0.0009	0.0028	1	04/23/23 19:50	ASH	L677815
1,2-Dichlorobenzene	<0.0020	mg/Kg - dry	0.0020	0.0028	1	04/23/23 19:50	ASH	L677815
1,3-Dichlorobenzene	<0.0019	mg/Kg - dry	0.0019	0.0028	1	04/23/23 19:50	ASH	L677815
1,4-Dichlorobenzene	<0.0021	mg/Kg - dry	0.0021	0.0028	1	04/23/23 19:50	ASH	L677815
Dichlorodifluoromethane	<0.0027	mg/Kg - dry	0.0027	0.0028	1	04/23/23 19:50	ASH	L677815
1,1-Dichloroethane	<0.0005	mg/Kg - dry	0.0005	0.0028	1	04/23/23 19:50	ASH	L677815
1,2-Dichloroethane	<0.0006	mg/Kg - dry	0.0006	0.0028	1	04/23/23 19:50	ASH	L677815
1,1-Dichloroethene	<0.0008	mg/Kg - dry	0.0008	0.0028	1	04/23/23 19:50	ASH	L677815
cis-1,2-Dichloroethene	<0.0007	mg/Kg - dry	0.0007	0.0028	1	04/23/23 19:50	ASH	L677815
trans-1,2-Dichloroethene	<0.0003	mg/Kg - dry	0.0003	0.0028	1	04/23/23 19:50	ASH	L677815
1,2-Dichloroethene (Total)	<0.0003	mg/Kg - dry	0.0003	0.0028	1	04/23/23 19:50		L677815
1,2-Dichloropropane	<0.0009	mg/Kg - dry	0.0009	0.0028	1	04/23/23 19:50	ASH	L677815
1,3-Dichloropropane	<0.0013	mg/Kg - dry	0.0013	0.0028	1	04/23/23 19:50	ASH	L677815
2,2-Dichloropropane	<0.0008	mg/Kg - dry	0.0008	0.0028	1	04/23/23 19:50	ASH	L677815
1,1-Dichloropropene	<0.0005	mg/Kg - dry	0.0005	0.0028	1	04/23/23 19:50	ASH	L677815
cis-1,3-Dichloropropene	<0.0011	mg/Kg - dry	0.0011	0.0028	1	04/23/23 19:50	ASH	L677815
trans-1,3-Dichloropropene	<0.0010	mg/Kg - dry	0.0010	0.0028	1	04/23/23 19:50	ASH	L677815
Ethyl Acetate	<0.0086	mg/Kg - dry	0.0086	0.0574	1	04/23/23 19:50	ASH	L677815
Ethylbenzene	<0.0009	mg/Kg - dry	0.0009	0.0028	1	04/23/23 19:50	ASH	L677815

Qualifiers/ Definitions

DF Dilution Factor
MQL Method Quantitation Limit
J Estimated value

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Project Legends Park
Information : 198 N. Pauline-Memphis, TN
Project No. 0888834617

Report Date : 04/27/2023
Received : 04/20/2023

Rebekah Ross
Project Manager

Report Number : **23-111-0040**

REPORT OF ANALYSIS

Lab No : **99806**
Sample ID : **LEGSSB26-01**

Matrix: **Solids**
Sampled: **4/20/2023 9:37**

Analytical Method: 8260B **Prep Batch(es):** **L677746** 04/23/23 08:40
Prep Method: 5035

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Batch
Hexachlorobutadiene	<0.0013	mg/Kg - dry	0.0013	0.0028	1	04/23/23 19:50	ASH	L677815
2-Hexanone	<0.0086	mg/Kg - dry	0.0086	0.0143	1	04/23/23 19:50	ASH	L677815
Iodomethane	<0.0065	mg/Kg - dry	0.0065	0.0143	1	04/23/23 19:50	ASH	L677815
Isopropylbenzene	<0.0010	mg/Kg - dry	0.0010	0.0028	1	04/23/23 19:50	ASH	L677815
4-Isopropyl toluene	<0.0014	mg/Kg - dry	0.0014	0.0028	1	04/23/23 19:50	ASH	L677815
4-Methyl-2-Pentanone	<0.0083	mg/Kg - dry	0.0083	0.0143	1	04/23/23 19:50	ASH	L677815
Methylene Chloride	<0.0039	mg/Kg - dry	0.0039	0.0143	1	04/23/23 19:50	ASH	L677815
Methyl tert-butyl ether (MTBE)	<0.0008	mg/Kg - dry	0.0008	0.0028	1	04/23/23 19:50	ASH	L677815
m,p-Xylene	<0.0020	mg/Kg - dry	0.0020	0.0057	1	04/23/23 19:50	ASH	L677815
Naphthalene	<0.0090	mg/Kg - dry	0.0090	0.0143	1	04/23/23 19:50	ASH	L677815
o-Xylene	<0.0011	mg/Kg - dry	0.0011	0.0028	1	04/23/23 19:50	ASH	L677815
n-Propyl acetate	<0.0097	mg/Kg - dry	0.0097	0.0143	1	04/23/23 19:50	ASH	L677815
n-Propylbenzene	<0.0009	mg/Kg - dry	0.0009	0.0028	1	04/23/23 19:50	ASH	L677815
Styrene	<0.0016	mg/Kg - dry	0.0016	0.0028	1	04/23/23 19:50	ASH	L677815
1,1,1,2-Tetrachloroethane	<0.0012	mg/Kg - dry	0.0012	0.0028	1	04/23/23 19:50	ASH	L677815
1,1,2,2-Tetrachloroethane	<0.0026	mg/Kg - dry	0.0026	0.0028	1	04/23/23 19:50	ASH	L677815
Tetrachloroethene	<0.0011	mg/Kg - dry	0.0011	0.0028	1	04/23/23 19:50	ASH	L677815
Toluene	<0.0046	mg/Kg - dry	0.0046	0.0057	1	04/23/23 19:50	ASH	L677815
1,2,3-Trichlorobenzene	<0.0028	mg/Kg - dry	0.0028	0.0028	1	04/23/23 19:50	ASH	L677815
1,2,4-Trichlorobenzene	<0.0016	mg/Kg - dry	0.0016	0.0028	1	04/23/23 19:50	ASH	L677815
1,1,1-Trichloroethane	<0.0005	mg/Kg - dry	0.0005	0.0028	1	04/23/23 19:50	ASH	L677815
1,1,2-Trichloroethane	<0.0014	mg/Kg - dry	0.0014	0.0028	1	04/23/23 19:50	ASH	L677815

Qualifiers/ Definitions
DF Dilution Factor
MQL Method Quantitation Limit
J Estimated value

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Project Legends Park
Information : 198 N. Pauline-Memphis, TN
Project No. 0888834617

Report Date : 04/27/2023
Received : 04/20/2023

Rebekah Ross
Project Manager

Report Number : **23-111-0040**

REPORT OF ANALYSIS

Lab No : **99806**
Sample ID : **LEGSSB26-01**

Matrix: **Solids**
Sampled: **4/20/2023 9:37**

Analytical Method: 8260B **Prep Batch(es):** **L677746** 04/23/23 08:40
Prep Method: 5035

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Batch
Trichloroethene	<0.0012	mg/Kg - dry	0.0012	0.0028	1	04/23/23 19:50	ASH	L677815
Trichlorofluoromethane	<0.0012	mg/Kg - dry	0.0012	0.0028	1	04/23/23 19:50	ASH	L677815
1,2,3-Trichloropropane	<0.0021	mg/Kg - dry	0.0021	0.0028	1	04/23/23 19:50	ASH	L677815
1,2,4-Trimethylbenzene	<0.0011	mg/Kg - dry	0.0011	0.0028	1	04/23/23 19:50	ASH	L677815
1,3,5-Trimethylbenzene	<0.0013	mg/Kg - dry	0.0013	0.0028	1	04/23/23 19:50	ASH	L677815
Vinyl Acetate	<0.0058	mg/Kg - dry	0.0058	0.0574	1	04/23/23 19:50	ASH	L677815
Vinyl Chloride	<0.0010	mg/Kg - dry	0.0010	0.0028	1	04/23/23 19:50	ASH	L677815
Xylene (Total)	<0.0011	mg/Kg - dry	0.0011	0.0028	1	04/23/23 19:50	KCC	L677815
Surrogate: 4-Bromofluorobenzene	88.3		Limits: 60-140%		1	04/23/23 19:50	ASH	L677815
Surrogate: 1,2-Dichloroethane - d4	113		Limits: 60-140%		1	04/23/23 19:50	ASH	L677815
Surrogate: Toluene-d8	85.8		Limits: 60-140%		1	04/23/23 19:50	ASH	L677815

Qualifiers/ Definitions
DF Dilution Factor
MQL Method Quantitation Limit
J Estimated value

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Report Date : 04/27/2023
Received : 04/20/2023

Rebekah Ross
Project Manager

Report Number : **23-111-0040**

REPORT OF ANALYSIS

Lab No : **99807**
Sample ID : **LEGSSB26-03**

Matrix: **Solids**
Sampled: **4/20/2023 9:45**

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Method
Moisture	**22.1**	%			1	04/24/23 16:25	JLS	SW-DRYWT
Arsenic	**10.7**	mg/Kg - dry	0.308	0.641	1	04/25/23 06:19	BKN	6010D
Barium	**142**	mg/Kg - dry	0.166	0.641	1	04/25/23 06:19	BKN	6010D
Cadmium	**0.571**	mg/Kg - dry	0.0256	0.128	1	04/25/23 06:19	BKN	6010D
Chromium	**15.7**	mg/Kg - dry	0.302	0.320	1	04/25/23 06:19	BKN	6010D
Lead	**13.9**	mg/Kg - dry	0.231	0.385	1	04/25/23 06:19	BKN	6010D
Mercury	**0.0327 J**	mg/Kg - dry	0.0258	0.214	1	04/27/23 12:47	FDS	7471A
Selenium	<2.05	mg/Kg - dry	2.05	3.21	5	04/26/23 00:28	BKN	6010D
Silver	<0.205	mg/Kg - dry	0.205	0.321	1	04/25/23 06:19	BKN	6010D

Qualifiers/ Definitions

DF Dilution Factor
MQL Method Quantitation Limit
J Estimated value

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Project Manager

Report Number : **23-111-0040**

REPORT OF ANALYSIS

Lab No : **99807**
Sample ID : **LEGSSB26-03**

Matrix: **Solids**
Sampled: **4/20/2023 9:45**

Analytical Method: 8260B **Prep Batch(es):** **L677746** 04/23/23 08:40
Prep Method: 5035

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Batch
Acetone	**0.0577**	mg/Kg - dry	0.0055	0.0513	1	04/23/23 20:23	ASH	L677815
Acetonitrile	<0.0670	mg/Kg - dry	0.0670	0.257	1	04/23/23 20:23	ASH	L677815
Acrolein	<0.0105	mg/Kg - dry	0.0105	0.0513	1	04/23/23 20:23	ASH	L677815
Acrylonitrile	<0.0048	mg/Kg - dry	0.0048	0.0513	1	04/23/23 20:23	ASH	L677815
Benzene	<0.0005	mg/Kg - dry	0.0005	0.0025	1	04/23/23 20:23	ASH	L677815
Bromobenzene	<0.0009	mg/Kg - dry	0.0009	0.0025	1	04/23/23 20:23	ASH	L677815
Bromochloromethane	<0.0005	mg/Kg - dry	0.0005	0.0025	1	04/23/23 20:23	ASH	L677815
Bromodichloromethane	<0.0010	mg/Kg - dry	0.0010	0.0025	1	04/23/23 20:23	ASH	L677815
Bromoform	<0.0016	mg/Kg - dry	0.0016	0.0025	1	04/23/23 20:23	ASH	L677815
Bromomethane	<0.0020	mg/Kg - dry	0.0020	0.0025	1	04/23/23 20:23	ASH	L677815
Methyl Ethyl Ketone (MEK)	**0.0088 J**	mg/Kg - dry	0.0049	0.0513	1	04/23/23 20:23	ASH	L677815
n-Butylbenzene	<0.0012	mg/Kg - dry	0.0012	0.0025	1	04/23/23 20:23	ASH	L677815
sec-Butyl benzene	<0.0012	mg/Kg - dry	0.0012	0.0025	1	04/23/23 20:23	ASH	L677815
tert-Butyl benzene	<0.0009	mg/Kg - dry	0.0009	0.0025	1	04/23/23 20:23	ASH	L677815
Carbon Disulfide	<0.0036	mg/Kg - dry	0.0036	0.0128	1	04/23/23 20:23	ASH	L677815
Carbon Tetrachloride	<0.0005	mg/Kg - dry	0.0005	0.0025	1	04/23/23 20:23	ASH	L677815
Chlorobenzene	<0.0010	mg/Kg - dry	0.0010	0.0025	1	04/23/23 20:23	ASH	L677815
Chlorodibromomethane	<0.0013	mg/Kg - dry	0.0013	0.0025	1	04/23/23 20:23	ASH	L677815
Chloroethane	<0.0010	mg/Kg - dry	0.0010	0.0025	1	04/23/23 20:23	ASH	L677815
Chloroform	<0.0006	mg/Kg - dry	0.0006	0.0025	1	04/23/23 20:23	ASH	L677815
Chloromethane	<0.0009	mg/Kg - dry	0.0009	0.0025	1	04/23/23 20:23	ASH	L677815
2-Chlorotoluene	<0.0012	mg/Kg - dry	0.0012	0.0025	1	04/23/23 20:23	ASH	L677815

Qualifiers/ Definitions
DF Dilution Factor
MQL Method Quantitation Limit
J Estimated value

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Ms. Allison Harris
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Memphis , TN 38134

Project Legends Park
Information : 198 N. Pauline-Memphis, TN
Project No. 0888834617

Report Date : 04/27/2023
Received : 04/20/2023

Rebekah Ross
Project Manager

Report Number : **23-111-0040**

REPORT OF ANALYSIS

Lab No : **99807**
Sample ID : **LEGSSB26-03**

Matrix: **Solids**
Sampled: **4/20/2023 9:45**

Analytical Method: 8260B **Prep Batch(es):** **L677746** 04/23/23 08:40
Prep Method: 5035

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Batch
4-Chlorotoluene	<0.0013	mg/Kg - dry	0.0013	0.0025	1	04/23/23 20:23	ASH	L677815
1,2-Dibromo-3-Chloropropane	<0.0084	mg/Kg - dry	0.0084	0.0128	1	04/23/23 20:23	ASH	L677815
1,2-Dibromoethane	<0.0011	mg/Kg - dry	0.0011	0.0025	1	04/23/23 20:23	ASH	L677815
Dibromomethane	<0.0008	mg/Kg - dry	0.0008	0.0025	1	04/23/23 20:23	ASH	L677815
1,2-Dichlorobenzene	<0.0017	mg/Kg - dry	0.0017	0.0025	1	04/23/23 20:23	ASH	L677815
1,3-Dichlorobenzene	<0.0017	mg/Kg - dry	0.0017	0.0025	1	04/23/23 20:23	ASH	L677815
1,4-Dichlorobenzene	<0.0019	mg/Kg - dry	0.0019	0.0025	1	04/23/23 20:23	ASH	L677815
Dichlorodifluoromethane	<0.0024	mg/Kg - dry	0.0024	0.0025	1	04/23/23 20:23	ASH	L677815
1,1-Dichloroethane	<0.0004	mg/Kg - dry	0.0004	0.0025	1	04/23/23 20:23	ASH	L677815
1,2-Dichloroethane	<0.0005	mg/Kg - dry	0.0005	0.0025	1	04/23/23 20:23	ASH	L677815
1,1-Dichloroethene	<0.0007	mg/Kg - dry	0.0007	0.0025	1	04/23/23 20:23	ASH	L677815
cis-1,2-Dichloroethene	<0.0006	mg/Kg - dry	0.0006	0.0025	1	04/23/23 20:23	ASH	L677815
trans-1,2-Dichloroethene	<0.0003	mg/Kg - dry	0.0003	0.0025	1	04/23/23 20:23	ASH	L677815
1,2-Dichloroethene (Total)	<0.0003	mg/Kg - dry	0.0003	0.0025	1	04/23/23 20:23		L677815
1,2-Dichloropropane	<0.0008	mg/Kg - dry	0.0008	0.0025	1	04/23/23 20:23	ASH	L677815
1,3-Dichloropropane	<0.0011	mg/Kg - dry	0.0011	0.0025	1	04/23/23 20:23	ASH	L677815
2,2-Dichloropropane	<0.0007	mg/Kg - dry	0.0007	0.0025	1	04/23/23 20:23	ASH	L677815
1,1-Dichloropropene	<0.0004	mg/Kg - dry	0.0004	0.0025	1	04/23/23 20:23	ASH	L677815
cis-1,3-Dichloropropene	<0.0010	mg/Kg - dry	0.0010	0.0025	1	04/23/23 20:23	ASH	L677815
trans-1,3-Dichloropropene	<0.0009	mg/Kg - dry	0.0009	0.0025	1	04/23/23 20:23	ASH	L677815
Ethyl Acetate	<0.0077	mg/Kg - dry	0.0077	0.0513	1	04/23/23 20:23	ASH	L677815
Ethylbenzene	<0.0008	mg/Kg - dry	0.0008	0.0025	1	04/23/23 20:23	ASH	L677815

Qualifiers/ Definitions
DF Dilution Factor
MQL Method Quantitation Limit
J Estimated value

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Project Legends Park

Information : 198 N. Pauline-Memphis, TN
Project No. 0888834617

Report Date : 04/27/2023
Received : 04/20/2023

Rebekah Ross
Project Manager

Report Number : **23-111-0040**

REPORT OF ANALYSIS

Lab No : **99807**
Sample ID : **LEGSSB26-03**

Matrix: **Solids**
Sampled: **4/20/2023 9:45**

Analytical Method: 8260B **Prep Batch(es):** **L677746** 04/23/23 08:40
Prep Method: 5035

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Batch
Hexachlorobutadiene	<0.0011	mg/Kg - dry	0.0011	0.0025	1	04/23/23 20:23	ASH	L677815
2-Hexanone	<0.0077	mg/Kg - dry	0.0077	0.0128	1	04/23/23 20:23	ASH	L677815
Iodomethane	<0.0058	mg/Kg - dry	0.0058	0.0128	1	04/23/23 20:23	ASH	L677815
Isopropylbenzene	<0.0009	mg/Kg - dry	0.0009	0.0025	1	04/23/23 20:23	ASH	L677815
4-Isopropyl toluene	<0.0012	mg/Kg - dry	0.0012	0.0025	1	04/23/23 20:23	ASH	L677815
4-Methyl-2-Pentanone	<0.0075	mg/Kg - dry	0.0075	0.0128	1	04/23/23 20:23	ASH	L677815
Methylene Chloride	<0.0035	mg/Kg - dry	0.0035	0.0128	1	04/23/23 20:23	ASH	L677815
Methyl tert-butyl ether (MTBE)	<0.0007	mg/Kg - dry	0.0007	0.0025	1	04/23/23 20:23	ASH	L677815
m,p-Xylene	<0.0018	mg/Kg - dry	0.0018	0.0051	1	04/23/23 20:23	ASH	L677815
Naphthalene	<0.0081	mg/Kg - dry	0.0081	0.0128	1	04/23/23 20:23	ASH	L677815
o-Xylene	<0.0010	mg/Kg - dry	0.0010	0.0025	1	04/23/23 20:23	ASH	L677815
n-Propyl acetate	<0.0087	mg/Kg - dry	0.0087	0.0128	1	04/23/23 20:23	ASH	L677815
n-Propylbenzene	<0.0008	mg/Kg - dry	0.0008	0.0025	1	04/23/23 20:23	ASH	L677815
Styrene	<0.0014	mg/Kg - dry	0.0014	0.0025	1	04/23/23 20:23	ASH	L677815
1,1,1,2-Tetrachloroethane	<0.0011	mg/Kg - dry	0.0011	0.0025	1	04/23/23 20:23	ASH	L677815
1,1,2,2-Tetrachloroethane	<0.0024	mg/Kg - dry	0.0024	0.0025	1	04/23/23 20:23	ASH	L677815
Tetrachloroethene	<0.0010	mg/Kg - dry	0.0010	0.0025	1	04/23/23 20:23	ASH	L677815
Toluene	<0.0041	mg/Kg - dry	0.0041	0.0051	1	04/23/23 20:23	ASH	L677815
1,2,3-Trichlorobenzene	<0.0025	mg/Kg - dry	0.0025	0.0025	1	04/23/23 20:23	ASH	L677815
1,2,4-Trichlorobenzene	<0.0014	mg/Kg - dry	0.0014	0.0025	1	04/23/23 20:23	ASH	L677815
1,1,1-Trichloroethane	<0.0005	mg/Kg - dry	0.0005	0.0025	1	04/23/23 20:23	ASH	L677815
1,1,2-Trichloroethane	<0.0013	mg/Kg - dry	0.0013	0.0025	1	04/23/23 20:23	ASH	L677815

Qualifiers/ Definitions

DF Dilution Factor
MQL Method Quantitation Limit
J Estimated value

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Project Legends Park
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Project No. 0888834617

Report Date : 04/27/2023
Received : 04/20/2023

Rebekah Ross
Project Manager

Report Number : **23-111-0040**

REPORT OF ANALYSIS

Lab No : **99807**
Sample ID : **LEGSSB26-03**

Matrix: **Solids**
Sampled: **4/20/2023 9:45**

Analytical Method: 8260B **Prep Batch(es):** **L677746** 04/23/23 08:40
Prep Method: 5035

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Batch
Trichloroethene	<0.0011	mg/Kg - dry	0.0011	0.0025	1	04/23/23 20:23	ASH	L677815
Trichlorofluoromethane	<0.0011	mg/Kg - dry	0.0011	0.0025	1	04/23/23 20:23	ASH	L677815
1,2,3-Trichloropropane	<0.0019	mg/Kg - dry	0.0019	0.0025	1	04/23/23 20:23	ASH	L677815
1,2,4-Trimethylbenzene	<0.0010	mg/Kg - dry	0.0010	0.0025	1	04/23/23 20:23	ASH	L677815
1,3,5-Trimethylbenzene	<0.0011	mg/Kg - dry	0.0011	0.0025	1	04/23/23 20:23	ASH	L677815
Vinyl Acetate	<0.0051	mg/Kg - dry	0.0051	0.0513	1	04/23/23 20:23	ASH	L677815
Vinyl Chloride	<0.0009	mg/Kg - dry	0.0009	0.0025	1	04/23/23 20:23	ASH	L677815
Xylene (Total)	<0.0010	mg/Kg - dry	0.0010	0.0025	1	04/23/23 20:23	KCC	L677815
Surrogate: 4-Bromofluorobenzene	93.4		Limits: 60-140%		1	04/23/23 20:23	ASH	L677815
Surrogate: 1,2-Dichloroethane - d4	116		Limits: 60-140%		1	04/23/23 20:23	ASH	L677815
Surrogate: Toluene-d8	88.0		Limits: 60-140%		1	04/23/23 20:23	ASH	L677815

Qualifiers/ Definitions

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Project Manager

Report Number : **23-111-0040**

REPORT OF ANALYSIS

Lab No : **99808**
Sample ID : **LEGSSB27-01**

Matrix: **Solids**
Sampled: **4/20/2023 9:57**

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Method
Moisture	**17.4**	%			1	04/24/23 16:25	JLS	SW-DRYWT
Arsenic	**8.70**	mg/Kg - dry	0.290	0.605	1	04/25/23 06:24	BKN	6010D
Barium	**137**	mg/Kg - dry	0.157	0.605	1	04/25/23 06:24	BKN	6010D
Cadmium	**0.469**	mg/Kg - dry	0.0242	0.121	1	04/25/23 06:24	BKN	6010D
Chromium	**13.7**	mg/Kg - dry	0.285	0.302	1	04/25/23 06:24	BKN	6010D
Lead	**20.3**	mg/Kg - dry	0.217	0.363	1	04/25/23 06:24	BKN	6010D
Mercury	**0.0854 J**	mg/Kg - dry	0.0275	0.228	1	04/27/23 12:49	FDS	7471A
Selenium	<1.94	mg/Kg - dry	1.94	3.03	5	04/26/23 00:33	BKN	6010D
Silver	<0.194	mg/Kg - dry	0.194	0.303	1	04/25/23 06:24	BKN	6010D

Qualifiers/ Definitions

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Report Number : **23-111-0040**

REPORT OF ANALYSIS

Lab No : **99808**
Sample ID : **LEGSSB27-01**

Matrix: **Solids**
Sampled: **4/20/2023 9:57**

Analytical Method: 8260B **Prep Batch(es):** **L678061** 04/24/23 08:09
Prep Method: 5035

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Batch
Acetone	**0.230**	mg/Kg - dry	0.0052	0.0484	1	04/24/23 12:00	ASH	L678106
Acetonitrile	<0.0631	mg/Kg - dry	0.0631	0.242	1	04/24/23 12:00	ASH	L678106
Acrolein	<0.0099	mg/Kg - dry	0.0099	0.0484	1	04/24/23 12:00	ASH	L678106
Acrylonitrile	<0.0045	mg/Kg - dry	0.0045	0.0484	1	04/24/23 12:00	ASH	L678106
Benzene	<0.0004	mg/Kg - dry	0.0004	0.0024	1	04/24/23 12:00	ASH	L678106
Bromobenzene	<0.0009	mg/Kg - dry	0.0009	0.0024	1	04/24/23 12:00	ASH	L678106
Bromochloromethane	<0.0005	mg/Kg - dry	0.0005	0.0024	1	04/24/23 12:00	ASH	L678106
Bromodichloromethane	<0.0009	mg/Kg - dry	0.0009	0.0024	1	04/24/23 12:00	ASH	L678106
Bromoform	<0.0015	mg/Kg - dry	0.0015	0.0024	1	04/24/23 12:00	ASH	L678106
Bromomethane	<0.0019	mg/Kg - dry	0.0019	0.0024	1	04/24/23 12:00	ASH	L678106
Methyl Ethyl Ketone (MEK)	**0.0177 J**	mg/Kg - dry	0.0046	0.0484	1	04/24/23 12:00	ASH	L678106
n-Butylbenzene	<0.0011	mg/Kg - dry	0.0011	0.0024	1	04/24/23 12:00	ASH	L678106
sec-Butyl benzene	<0.0011	mg/Kg - dry	0.0011	0.0024	1	04/24/23 12:00	ASH	L678106
tert-Butyl benzene	<0.0008	mg/Kg - dry	0.0008	0.0024	1	04/24/23 12:00	ASH	L678106
Carbon Disulfide	<0.0034	mg/Kg - dry	0.0034	0.0121	1	04/24/23 12:00	ASH	L678106
Carbon Tetrachloride	<0.0004	mg/Kg - dry	0.0004	0.0024	1	04/24/23 12:00	ASH	L678106
Chlorobenzene	<0.0009	mg/Kg - dry	0.0009	0.0024	1	04/24/23 12:00	ASH	L678106
Chlorodibromomethane	<0.0012	mg/Kg - dry	0.0012	0.0024	1	04/24/23 12:00	ASH	L678106
Chloroethane	<0.0010	mg/Kg - dry	0.0010	0.0024	1	04/24/23 12:00	ASH	L678106
Chloroform	<0.0006	mg/Kg - dry	0.0006	0.0024	1	04/24/23 12:00	ASH	L678106
Chloromethane	<0.0008	mg/Kg - dry	0.0008	0.0024	1	04/24/23 12:00	ASH	L678106
2-Chlorotoluene	<0.0011	mg/Kg - dry	0.0011	0.0024	1	04/24/23 12:00	ASH	L678106

Qualifiers/ Definitions
DF Dilution Factor
MQL Method Quantitation Limit
J Estimated value

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Rebekah Ross
Project Manager

Report Number : **23-111-0040**

REPORT OF ANALYSIS

Lab No : **99808**
Sample ID : **LEGSSB27-01**

Matrix: **Solids**
Sampled: **4/20/2023 9:57**

Analytical Method: 8260B **Prep Batch(es):** **L678061** 04/24/23 08:09
Prep Method: 5035

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Batch
4-Chlorotoluene	<0.0012	mg/Kg - dry	0.0012	0.0024	1	04/24/23 12:00	ASH	L678106
1,2-Dibromo-3-Chloropropane	<0.0079	mg/Kg - dry	0.0079	0.0121	1	04/24/23 12:00	ASH	L678106
1,2-Dibromoethane	<0.0010	mg/Kg - dry	0.0010	0.0024	1	04/24/23 12:00	ASH	L678106
Dibromomethane	<0.0008	mg/Kg - dry	0.0008	0.0024	1	04/24/23 12:00	ASH	L678106
1,2-Dichlorobenzene	<0.0016	mg/Kg - dry	0.0016	0.0024	1	04/24/23 12:00	ASH	L678106
1,3-Dichlorobenzene	<0.0016	mg/Kg - dry	0.0016	0.0024	1	04/24/23 12:00	ASH	L678106
1,4-Dichlorobenzene	<0.0018	mg/Kg - dry	0.0018	0.0024	1	04/24/23 12:00	ASH	L678106
Dichlorodifluoromethane	<0.0022	mg/Kg - dry	0.0022	0.0024	1	04/24/23 12:00	ASH	L678106
1,1-Dichloroethane	<0.0004	mg/Kg - dry	0.0004	0.0024	1	04/24/23 12:00	ASH	L678106
1,2-Dichloroethane	<0.0005	mg/Kg - dry	0.0005	0.0024	1	04/24/23 12:00	ASH	L678106
1,1-Dichloroethene	<0.0007	mg/Kg - dry	0.0007	0.0024	1	04/24/23 12:00	ASH	L678106
cis-1,2-Dichloroethene	<0.0006	mg/Kg - dry	0.0006	0.0024	1	04/24/23 12:00	ASH	L678106
trans-1,2-Dichloroethene	<0.0003	mg/Kg - dry	0.0003	0.0024	1	04/24/23 12:00	ASH	L678106
1,2-Dichloroethene (Total)	<0.0003	mg/Kg - dry	0.0003	0.0024	1	04/24/23 12:00		L678106
1,2-Dichloropropane	<0.0007	mg/Kg - dry	0.0007	0.0024	1	04/24/23 12:00	ASH	L678106
1,3-Dichloropropane	<0.0011	mg/Kg - dry	0.0011	0.0024	1	04/24/23 12:00	ASH	L678106
2,2-Dichloropropane	<0.0007	mg/Kg - dry	0.0007	0.0024	1	04/24/23 12:00	ASH	L678106
1,1-Dichloropropene	<0.0004	mg/Kg - dry	0.0004	0.0024	1	04/24/23 12:00	ASH	L678106
cis-1,3-Dichloropropene	<0.0009	mg/Kg - dry	0.0009	0.0024	1	04/24/23 12:00	ASH	L678106
trans-1,3-Dichloropropene	<0.0009	mg/Kg - dry	0.0009	0.0024	1	04/24/23 12:00	ASH	L678106
Ethyl Acetate	<0.0073	mg/Kg - dry	0.0073	0.0484	1	04/24/23 12:00	ASH	L678106
Ethylbenzene	<0.0007	mg/Kg - dry	0.0007	0.0024	1	04/24/23 12:00	ASH	L678106

Qualifiers/ Definitions
DF Dilution Factor
MQL Method Quantitation Limit
J Estimated value

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Rebekah Ross
Project Manager

Report Number : **23-111-0040**

REPORT OF ANALYSIS

Lab No : **99808**
Sample ID : **LEGSSB27-01**

Matrix: **Solids**
Sampled: **4/20/2023 9:57**

Analytical Method: 8260B **Prep Batch(es):** **L678061** 04/24/23 08:09
Prep Method: 5035

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Batch
Hexachlorobutadiene	<0.0011	mg/Kg - dry	0.0011	0.0024	1	04/24/23 12:00	ASH	L678106
2-Hexanone	<0.0072	mg/Kg - dry	0.0072	0.0121	1	04/24/23 12:00	ASH	L678106
Iodomethane	<0.0055	mg/Kg - dry	0.0055	0.0121	1	04/24/23 12:00	ASH	L678106
Isopropylbenzene	<0.0009	mg/Kg - dry	0.0009	0.0024	1	04/24/23 12:00	ASH	L678106
4-Isopropyl toluene	<0.0011	mg/Kg - dry	0.0011	0.0024	1	04/24/23 12:00	ASH	L678106
4-Methyl-2-Pentanone	<0.0070	mg/Kg - dry	0.0070	0.0121	1	04/24/23 12:00	ASH	L678106
Methylene Chloride	<0.0033	mg/Kg - dry	0.0033	0.0121	1	04/24/23 12:00	ASH	L678106
Methyl tert-butyl ether (MTBE)	<0.0007	mg/Kg - dry	0.0007	0.0024	1	04/24/23 12:00	ASH	L678106
m,p-Xylene	<0.0017	mg/Kg - dry	0.0017	0.0048	1	04/24/23 12:00	ASH	L678106
Naphthalene	<0.0076	mg/Kg - dry	0.0076	0.0121	1	04/24/23 12:00	ASH	L678106
o-Xylene	<0.0009	mg/Kg - dry	0.0009	0.0024	1	04/24/23 12:00	ASH	L678106
n-Propyl acetate	<0.0082	mg/Kg - dry	0.0082	0.0121	1	04/24/23 12:00	ASH	L678106
n-Propylbenzene	<0.0007	mg/Kg - dry	0.0007	0.0024	1	04/24/23 12:00	ASH	L678106
Styrene	<0.0014	mg/Kg - dry	0.0014	0.0024	1	04/24/23 12:00	ASH	L678106
1,1,1,2-Tetrachloroethane	<0.0010	mg/Kg - dry	0.0010	0.0024	1	04/24/23 12:00	ASH	L678106
1,1,2,2-Tetrachloroethane	<0.0022	mg/Kg - dry	0.0022	0.0024	1	04/24/23 12:00	ASH	L678106
Tetrachloroethene	<0.0009	mg/Kg - dry	0.0009	0.0024	1	04/24/23 12:00	ASH	L678106
Toluene	<0.0039	mg/Kg - dry	0.0039	0.0048	1	04/24/23 12:00	ASH	L678106
1,2,3-Trichlorobenzene	<0.0024	mg/Kg - dry	0.0024	0.0024	1	04/24/23 12:00	ASH	L678106
1,2,4-Trichlorobenzene	<0.0013	mg/Kg - dry	0.0013	0.0024	1	04/24/23 12:00	ASH	L678106
1,1,1-Trichloroethane	<0.0004	mg/Kg - dry	0.0004	0.0024	1	04/24/23 12:00	ASH	L678106
1,1,2-Trichloroethane	<0.0012	mg/Kg - dry	0.0012	0.0024	1	04/24/23 12:00	ASH	L678106

Qualifiers/ Definitions
DF Dilution Factor
MQL Method Quantitation Limit
J Estimated value

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Project Legends Park
Information : 198 N. Pauline-Memphis, TN
Project No. 0888834617

Report Date : 04/27/2023
Received : 04/20/2023

Rebekah Ross
Project Manager

Report Number : **23-111-0040**

REPORT OF ANALYSIS

Lab No : **99808**
Sample ID : **LEGSSB27-01**

Matrix: **Solids**
Sampled: **4/20/2023 9:57**

Analytical Method: 8260B **Prep Batch(es):** **L678061** 04/24/23 08:09
Prep Method: 5035

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Batch
Trichloroethene	<0.0010	mg/Kg - dry	0.0010	0.0024	1	04/24/23 12:00	ASH	L678106
Trichlorofluoromethane	<0.0010	mg/Kg - dry	0.0010	0.0024	1	04/24/23 12:00	ASH	L678106
1,2,3-Trichloropropane	<0.0018	mg/Kg - dry	0.0018	0.0024	1	04/24/23 12:00	ASH	L678106
1,2,4-Trimethylbenzene	<0.0009	mg/Kg - dry	0.0009	0.0024	1	04/24/23 12:00	ASH	L678106
1,3,5-Trimethylbenzene	<0.0011	mg/Kg - dry	0.0011	0.0024	1	04/24/23 12:00	ASH	L678106
Vinyl Acetate	<0.0048	mg/Kg - dry	0.0048	0.0484	1	04/24/23 12:00	ASH	L678106
Vinyl Chloride	<0.0008	mg/Kg - dry	0.0008	0.0024	1	04/24/23 12:00	ASH	L678106
Xylene (Total)	<0.0009	mg/Kg - dry	0.0009	0.0024	1	04/24/23 12:00	KCC	L678106
Surrogate: 4-Bromofluorobenzene	91.9		Limits: 60-140%		1	04/24/23 12:00	ASH	L678106
Surrogate: 1,2-Dichloroethane - d4	114		Limits: 60-140%		1	04/24/23 12:00	ASH	L678106
Surrogate: Toluene-d8	84.9		Limits: 60-140%		1	04/24/23 12:00	ASH	L678106

Qualifiers/ Definitions
DF Dilution Factor
MQL Method Quantitation Limit
J Estimated value

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Report Date : 04/27/2023
Received : 04/20/2023

Rebekah Ross
Project Manager

Report Number : **23-111-0040**

REPORT OF ANALYSIS

Lab No : **99809**
Sample ID : **LEGSSB28-01**

Matrix: **Solids**
Sampled: **4/20/2023 10:00**

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Method
Moisture	**73.3**	%			1	04/24/23 16:25	JLS	SW-DRYWT
Arsenic	**31.0**	mg/Kg - dry	0.898	1.87	1	04/25/23 06:40	BKN	6010D
Barium	**357**	mg/Kg - dry	0.486	1.87	1	04/25/23 06:40	BKN	6010D
Cadmium	**1.70**	mg/Kg - dry	0.0749	0.375	1	04/25/23 06:40	BKN	6010D
Chromium	**49.1**	mg/Kg - dry	0.883	0.936	1	04/25/23 06:40	BKN	6010D
Lead	**139**	mg/Kg - dry	0.674	1.12	1	04/25/23 06:40	BKN	6010D
Mercury	**0.333 J**	mg/Kg - dry	0.0805	0.667	1	04/27/23 12:50	FDS	7471A
Selenium	<5.99	mg/Kg - dry	5.99	9.36	5	04/26/23 01:20	BKN	6010D
Silver	<0.599	mg/Kg - dry	0.599	0.936	1	04/25/23 06:40	BKN	6010D

Qualifiers/ Definitions

DF Dilution Factor
MQL Method Quantitation Limit
J Estimated value

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Project No. 0888834617

Report Date : 04/27/2023
Received : 04/20/2023

Rebekah Ross
Project Manager

Report Number : **23-111-0040**

REPORT OF ANALYSIS

Lab No : **99809**
Sample ID : **LEGSSB28-01**

Matrix: **Solids**
Sampled: **4/20/2023 10:00**

Analytical Method: 8260B **Prep Batch(es):** **L678061** 04/24/23 08:09
Prep Method: 5035

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Batch
Acetone	**0.581**	mg/Kg - dry	0.0186	0.172	1	04/24/23 12:44	ASH	L678106
Acetonitrile	<0.224	mg/Kg - dry	0.224	0.858	1	04/24/23 12:44	ASH	L678106
Acrolein	<0.0354	mg/Kg - dry	0.0354	0.172	1	04/24/23 12:44	ASH	L678106
Acrylonitrile	<0.0162	mg/Kg - dry	0.0162	0.172	1	04/24/23 12:44	ASH	L678106
Benzene	<0.0016	mg/Kg - dry	0.0016	0.0085	1	04/24/23 12:44	ASH	L678106
Bromobenzene	<0.0032	mg/Kg - dry	0.0032	0.0085	1	04/24/23 12:44	ASH	L678106
Bromochloromethane	<0.0018	mg/Kg - dry	0.0018	0.0085	1	04/24/23 12:44	ASH	L678106
Bromodichloromethane	<0.0033	mg/Kg - dry	0.0033	0.0085	1	04/24/23 12:44	ASH	L678106
Bromoform	<0.0056	mg/Kg - dry	0.0056	0.0085	1	04/24/23 12:44	ASH	L678106
Bromomethane	<0.0068	mg/Kg - dry	0.0068	0.0085	1	04/24/23 12:44	ASH	L678106
Methyl Ethyl Ketone (MEK)	**0.0636 J**	mg/Kg - dry	0.0164	0.172	1	04/24/23 12:44	ASH	L678106
n-Butylbenzene	<0.0040	mg/Kg - dry	0.0040	0.0085	1	04/24/23 12:44	ASH	L678106
sec-Butyl benzene	<0.0040	mg/Kg - dry	0.0040	0.0085	1	04/24/23 12:44	ASH	L678106
tert-Butyl benzene	<0.0031	mg/Kg - dry	0.0031	0.0085	1	04/24/23 12:44	ASH	L678106
Carbon Disulfide	**0.0265 J**	mg/Kg - dry	0.0122	0.0430	1	04/24/23 12:44	ASH	L678106
Carbon Tetrachloride	<0.0017	mg/Kg - dry	0.0017	0.0085	1	04/24/23 12:44	ASH	L678106
Chlorobenzene	<0.0033	mg/Kg - dry	0.0033	0.0085	1	04/24/23 12:44	ASH	L678106
Chlorodibromomethane	<0.0044	mg/Kg - dry	0.0044	0.0085	1	04/24/23 12:44	ASH	L678106
Chloroethane	<0.0036	mg/Kg - dry	0.0036	0.0085	1	04/24/23 12:44	ASH	L678106
Chloroform	<0.0022	mg/Kg - dry	0.0022	0.0085	1	04/24/23 12:44	ASH	L678106
Chloromethane	<0.0030	mg/Kg - dry	0.0030	0.0085	1	04/24/23 12:44	ASH	L678106
2-Chlorotoluene	<0.0042	mg/Kg - dry	0.0042	0.0085	1	04/24/23 12:44	ASH	L678106

Qualifiers/ Definitions
DF Dilution Factor
MQL Method Quantitation Limit
J Estimated value

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Project Legends Park
Information : 198 N. Pauline-Memphis, TN
Project No. 0888834617

Report Date : 04/27/2023
Received : 04/20/2023

Report Number : **23-111-0040**

REPORT OF ANALYSIS

Rebekah Ross
Project Manager

Lab No : **99809**
Sample ID : **LEGSSB28-01**

Matrix: **Solids**
Sampled: **4/20/2023 10:00**

Analytical Method: 8260B **Prep Batch(es):** **L678061** 04/24/23 08:09
Prep Method: 5035

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Batch
4-Chlorotoluene	<0.0046	mg/Kg - dry	0.0046	0.0085	1	04/24/23 12:44	ASH	L678106
1,2-Dibromo-3-Chloropropane	<0.0283	mg/Kg - dry	0.0283	0.0430	1	04/24/23 12:44	ASH	L678106
1,2-Dibromoethane	<0.0038	mg/Kg - dry	0.0038	0.0085	1	04/24/23 12:44	ASH	L678106
Dibromomethane	<0.0029	mg/Kg - dry	0.0029	0.0085	1	04/24/23 12:44	ASH	L678106
1,2-Dichlorobenzene	<0.0059	mg/Kg - dry	0.0059	0.0085	1	04/24/23 12:44	ASH	L678106
1,3-Dichlorobenzene	<0.0057	mg/Kg - dry	0.0057	0.0085	1	04/24/23 12:44	ASH	L678106
1,4-Dichlorobenzene	<0.0064	mg/Kg - dry	0.0064	0.0085	1	04/24/23 12:44	ASH	L678106
Dichlorodifluoromethane	<0.0080	mg/Kg - dry	0.0080	0.0085	1	04/24/23 12:44	ASH	L678106
1,1-Dichloroethane	<0.0015	mg/Kg - dry	0.0015	0.0085	1	04/24/23 12:44	ASH	L678106
1,2-Dichloroethane	<0.0018	mg/Kg - dry	0.0018	0.0085	1	04/24/23 12:44	ASH	L678106
1,1-Dichloroethene	<0.0024	mg/Kg - dry	0.0024	0.0085	1	04/24/23 12:44	ASH	L678106
cis-1,2-Dichloroethene	<0.0023	mg/Kg - dry	0.0023	0.0085	1	04/24/23 12:44	ASH	L678106
trans-1,2-Dichloroethene	<0.0011	mg/Kg - dry	0.0011	0.0085	1	04/24/23 12:44	ASH	L678106
1,2-Dichloroethene (Total)	<0.0011	mg/Kg - dry	0.0011	0.0085	1	04/24/23 12:44		L678106
1,2-Dichloropropane	<0.0027	mg/Kg - dry	0.0027	0.0085	1	04/24/23 12:44	ASH	L678106
1,3-Dichloropropane	<0.0038	mg/Kg - dry	0.0038	0.0085	1	04/24/23 12:44	ASH	L678106
2,2-Dichloropropane	<0.0024	mg/Kg - dry	0.0024	0.0085	1	04/24/23 12:44	ASH	L678106
1,1-Dichloropropene	<0.0016	mg/Kg - dry	0.0016	0.0085	1	04/24/23 12:44	ASH	L678106
cis-1,3-Dichloropropene	<0.0033	mg/Kg - dry	0.0033	0.0085	1	04/24/23 12:44	ASH	L678106
trans-1,3-Dichloropropene	<0.0032	mg/Kg - dry	0.0032	0.0085	1	04/24/23 12:44	ASH	L678106
Ethyl Acetate	<0.0259	mg/Kg - dry	0.0259	0.172	1	04/24/23 12:44	ASH	L678106
Ethylbenzene	<0.0027	mg/Kg - dry	0.0027	0.0085	1	04/24/23 12:44	ASH	L678106

Qualifiers/ Definitions
DF Dilution Factor
MQL Method Quantitation Limit
J Estimated value

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Project Legends Park

Information : 198 N. Pauline-Memphis, TN
Project No. 0888834617

Report Date : 04/27/2023
Received : 04/20/2023

Rebekah Ross
Project Manager

Report Number : **23-111-0040**

REPORT OF ANALYSIS

Lab No : **99809**
Sample ID : **LEGSSB28-01**

Matrix: **Solids**
Sampled: **4/20/2023 10:00**

Analytical Method: 8260B **Prep Batch(es):** **L678061** 04/24/23 08:09
Prep Method: 5035

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Batch
Hexachlorobutadiene	<0.0039	mg/Kg - dry	0.0039	0.0085	1	04/24/23 12:44	ASH	L678106
2-Hexanone	<0.0259	mg/Kg - dry	0.0259	0.0430	1	04/24/23 12:44	ASH	L678106
Iodomethane	<0.0195	mg/Kg - dry	0.0195	0.0430	1	04/24/23 12:44	ASH	L678106
Isopropylbenzene	<0.0032	mg/Kg - dry	0.0032	0.0085	1	04/24/23 12:44	ASH	L678106
4-Isopropyl toluene	<0.0041	mg/Kg - dry	0.0041	0.0085	1	04/24/23 12:44	ASH	L678106
4-Methyl-2-Pentanone	<0.0252	mg/Kg - dry	0.0252	0.0430	1	04/24/23 12:44	ASH	L678106
Methylene Chloride	<0.0119	mg/Kg - dry	0.0119	0.0430	1	04/24/23 12:44	ASH	L678106
Methyl tert-butyl ether (MTBE)	<0.0026	mg/Kg - dry	0.0026	0.0085	1	04/24/23 12:44	ASH	L678106
m,p-Xylene	<0.0061	mg/Kg - dry	0.0061	0.0171	1	04/24/23 12:44	ASH	L678106
Naphthalene	<0.0272	mg/Kg - dry	0.0272	0.0430	1	04/24/23 12:44	ASH	L678106
o-Xylene	<0.0033	mg/Kg - dry	0.0033	0.0085	1	04/24/23 12:44	ASH	L678106
n-Propyl acetate	<0.0292	mg/Kg - dry	0.0292	0.0430	1	04/24/23 12:44	ASH	L678106
n-Propylbenzene	<0.0027	mg/Kg - dry	0.0027	0.0085	1	04/24/23 12:44	ASH	L678106
Styrene	<0.0049	mg/Kg - dry	0.0049	0.0085	1	04/24/23 12:44	ASH	L678106
1,1,1,2-Tetrachloroethane	<0.0038	mg/Kg - dry	0.0038	0.0085	1	04/24/23 12:44	ASH	L678106
1,1,2,2-Tetrachloroethane	<0.0080	mg/Kg - dry	0.0080	0.0085	1	04/24/23 12:44	ASH	L678106
Tetrachloroethene	<0.0033	mg/Kg - dry	0.0033	0.0085	1	04/24/23 12:44	ASH	L678106
Toluene	<0.0140	mg/Kg - dry	0.0140	0.0171	1	04/24/23 12:44	ASH	L678106
1,2,3-Trichlorobenzene	<0.0085	mg/Kg - dry	0.0085	0.0085	1	04/24/23 12:44	ASH	L678106
1,2,4-Trichlorobenzene	<0.0048	mg/Kg - dry	0.0048	0.0085	1	04/24/23 12:44	ASH	L678106
1,1,1-Trichloroethane	<0.0016	mg/Kg - dry	0.0016	0.0085	1	04/24/23 12:44	ASH	L678106
1,1,2-Trichloroethane	<0.0043	mg/Kg - dry	0.0043	0.0085	1	04/24/23 12:44	ASH	L678106

Qualifiers/ Definitions

DF Dilution Factor
MQL Method Quantitation Limit
J Estimated value

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Project Legends Park
Information : 198 N. Pauline-Memphis, TN
Project No. 0888834617

Report Date : 04/27/2023
Received : 04/20/2023

Rebekah Ross
Project Manager

Report Number : **23-111-0040**

REPORT OF ANALYSIS

Lab No : **99809**
Sample ID : **LEGSSB28-01**

Matrix: **Solids**
Sampled: **4/20/2023 10:00**

Analytical Method: 8260B **Prep Batch(es):** **L678061** 04/24/23 08:09
Prep Method: 5035

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Batch
Trichloroethene	<0.0038	mg/Kg - dry	0.0038	0.0085	1	04/24/23 12:44	ASH	L678106
Trichlorofluoromethane	<0.0038	mg/Kg - dry	0.0038	0.0085	1	04/24/23 12:44	ASH	L678106
1,2,3-Trichloropropane	<0.0065	mg/Kg - dry	0.0065	0.0085	1	04/24/23 12:44	ASH	L678106
1,2,4-Trimethylbenzene	<0.0034	mg/Kg - dry	0.0034	0.0085	1	04/24/23 12:44	ASH	L678106
1,3,5-Trimethylbenzene	<0.0038	mg/Kg - dry	0.0038	0.0085	1	04/24/23 12:44	ASH	L678106
Vinyl Acetate	<0.0173	mg/Kg - dry	0.0173	0.172	1	04/24/23 12:44	ASH	L678106
Vinyl Chloride	<0.0031	mg/Kg - dry	0.0031	0.0085	1	04/24/23 12:44	ASH	L678106
Xylene (Total)	<0.0033	mg/Kg - dry	0.0033	0.0085	1	04/24/23 12:44	KCC	L678106
Surrogate: 4-Bromofluorobenzene	88.7	Limits: 60-140%			1	04/24/23 12:44	ASH	L678106
Surrogate: 1,2-Dichloroethane - d4	111	Limits: 60-140%			1	04/24/23 12:44	ASH	L678106
Surrogate: Toluene-d8	90.4	Limits: 60-140%			1	04/24/23 12:44	ASH	L678106

Qualifiers/ Definitions
DF Dilution Factor
MQL Method Quantitation Limit
J Estimated value

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Report Date : 04/27/2023
Received : 04/20/2023

Rebekah Ross
Project Manager

Report Number : **23-111-0040**

REPORT OF ANALYSIS

Lab No : **99810**
Sample ID : **LEGSSB29-01**

Matrix: **Solids**
Sampled: **4/20/2023 10:28**

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Method
Moisture	**17.8**	%			1	04/24/23 16:25	JLS	SW-DRYWT
Arsenic	**7.75**	mg/Kg - dry	0.291	0.608	1	04/26/23 03:07	BKN	6010D
Barium	**117**	mg/Kg - dry	0.158	0.608	1	04/26/23 03:07	BKN	6010D
Cadmium	**0.436**	mg/Kg - dry	0.0243	0.122	1	04/26/23 03:07	BKN	6010D
Chromium	**15.1**	mg/Kg - dry	0.287	0.304	1	04/26/23 03:07	BKN	6010D
Lead	**22.4**	mg/Kg - dry	0.218	0.364	1	04/26/23 03:07	BKN	6010D
Mercury	**0.125 J**	mg/Kg - dry	0.0277	0.230	1	04/27/23 12:51	FDS	7471A
Selenium	<0.389	mg/Kg - dry	0.389	0.608	1	04/26/23 03:07	BKN	6010D
Silver	<0.973	mg/Kg - dry	0.973	1.52	5	04/26/23 20:21	BKN	6010D

Qualifiers/ Definitions

DF Dilution Factor
MQL Method Quantitation Limit
J Estimated value

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Information : 198 N. Pauline-Memphis, TN
Project No. 0888834617

Report Date : 04/27/2023
Received : 04/20/2023

Rebekah Ross
Project Manager

Report Number : **23-111-0040**

REPORT OF ANALYSIS

Lab No : **99810**
Sample ID : **LEGSSB29-01**

Matrix: **Solids**
Sampled: **4/20/2023 10:28**

Analytical Method: 8260B **Prep Batch(es):** **L678061** 04/24/23 08:09
Prep Method: 5035

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Batch
Acetone	**0.106**	mg/Kg - dry	0.0052	0.0486	1	04/24/23 13:28	ASH	L678106
Acetonitrile	<0.0635	mg/Kg - dry	0.0635	0.243	1	04/24/23 13:28	ASH	L678106
Acrolein	<0.0100	mg/Kg - dry	0.0100	0.0486	1	04/24/23 13:28	ASH	L678106
Acrylonitrile	<0.0046	mg/Kg - dry	0.0046	0.0486	1	04/24/23 13:28	ASH	L678106
Benzene	<0.0004	mg/Kg - dry	0.0004	0.0024	1	04/24/23 13:28	ASH	L678106
Bromobenzene	<0.0009	mg/Kg - dry	0.0009	0.0024	1	04/24/23 13:28	ASH	L678106
Bromochloromethane	<0.0005	mg/Kg - dry	0.0005	0.0024	1	04/24/23 13:28	ASH	L678106
Bromodichloromethane	<0.0009	mg/Kg - dry	0.0009	0.0024	1	04/24/23 13:28	ASH	L678106
Bromoform	<0.0016	mg/Kg - dry	0.0016	0.0024	1	04/24/23 13:28	ASH	L678106
Bromomethane	<0.0019	mg/Kg - dry	0.0019	0.0024	1	04/24/23 13:28	ASH	L678106
Methyl Ethyl Ketone (MEK)	**0.0104 J**	mg/Kg - dry	0.0046	0.0486	1	04/24/23 13:28	ASH	L678106
n-Butylbenzene	<0.0011	mg/Kg - dry	0.0011	0.0024	1	04/24/23 13:28	ASH	L678106
sec-Butyl benzene	<0.0011	mg/Kg - dry	0.0011	0.0024	1	04/24/23 13:28	ASH	L678106
tert-Butyl benzene	<0.0009	mg/Kg - dry	0.0009	0.0024	1	04/24/23 13:28	ASH	L678106
Carbon Disulfide	**0.0107 J**	mg/Kg - dry	0.0034	0.0121	1	04/24/23 13:28	ASH	L678106
Carbon Tetrachloride	<0.0004	mg/Kg - dry	0.0004	0.0024	1	04/24/23 13:28	ASH	L678106
Chlorobenzene	<0.0009	mg/Kg - dry	0.0009	0.0024	1	04/24/23 13:28	ASH	L678106
Chlorodibromomethane	<0.0012	mg/Kg - dry	0.0012	0.0024	1	04/24/23 13:28	ASH	L678106
Chloroethane	<0.0010	mg/Kg - dry	0.0010	0.0024	1	04/24/23 13:28	ASH	L678106
Chloroform	<0.0006	mg/Kg - dry	0.0006	0.0024	1	04/24/23 13:28	ASH	L678106
Chloromethane	<0.0008	mg/Kg - dry	0.0008	0.0024	1	04/24/23 13:28	ASH	L678106
2-Chlorotoluene	<0.0012	mg/Kg - dry	0.0012	0.0024	1	04/24/23 13:28	ASH	L678106

Qualifiers/ Definitions

DF Dilution Factor
MQL Method Quantitation Limit
J Estimated value

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Memphis , TN 38134

Project Legends Park

Information : 198 N. Pauline-Memphis, TN
Project No. 0888834617

Report Date : 04/27/2023
Received : 04/20/2023

Rebekah Ross
Project Manager

Report Number : **23-111-0040**

REPORT OF ANALYSIS

Lab No : **99810**
Sample ID : **LEGSSB29-01**

Matrix: **Solids**
Sampled: **4/20/2023 10:28**

Analytical Method: 8260B **Prep Batch(es):** **L678061** 04/24/23 08:09
Prep Method: 5035

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Batch
4-Chlorotoluene	<0.0013	mg/Kg - dry	0.0013	0.0024	1	04/24/23 13:28	ASH	L678106
1,2-Dibromo-3-Chloropropane	<0.0080	mg/Kg - dry	0.0080	0.0121	1	04/24/23 13:28	ASH	L678106
1,2-Dibromoethane	<0.0010	mg/Kg - dry	0.0010	0.0024	1	04/24/23 13:28	ASH	L678106
Dibromomethane	<0.0008	mg/Kg - dry	0.0008	0.0024	1	04/24/23 13:28	ASH	L678106
1,2-Dichlorobenzene	<0.0017	mg/Kg - dry	0.0017	0.0024	1	04/24/23 13:28	ASH	L678106
1,3-Dichlorobenzene	<0.0016	mg/Kg - dry	0.0016	0.0024	1	04/24/23 13:28	ASH	L678106
1,4-Dichlorobenzene	<0.0018	mg/Kg - dry	0.0018	0.0024	1	04/24/23 13:28	ASH	L678106
Dichlorodifluoromethane	<0.0022	mg/Kg - dry	0.0022	0.0024	1	04/24/23 13:28	ASH	L678106
1,1-Dichloroethane	<0.0004	mg/Kg - dry	0.0004	0.0024	1	04/24/23 13:28	ASH	L678106
1,2-Dichloroethane	<0.0005	mg/Kg - dry	0.0005	0.0024	1	04/24/23 13:28	ASH	L678106
1,1-Dichloroethene	<0.0007	mg/Kg - dry	0.0007	0.0024	1	04/24/23 13:28	ASH	L678106
cis-1,2-Dichloroethene	<0.0006	mg/Kg - dry	0.0006	0.0024	1	04/24/23 13:28	ASH	L678106
trans-1,2-Dichloroethene	<0.0003	mg/Kg - dry	0.0003	0.0024	1	04/24/23 13:28	ASH	L678106
1,2-Dichloroethene (Total)	<0.0003	mg/Kg - dry	0.0003	0.0024	1	04/24/23 13:28		L678106
1,2-Dichloropropane	<0.0007	mg/Kg - dry	0.0007	0.0024	1	04/24/23 13:28	ASH	L678106
1,3-Dichloropropane	<0.0011	mg/Kg - dry	0.0011	0.0024	1	04/24/23 13:28	ASH	L678106
2,2-Dichloropropane	<0.0007	mg/Kg - dry	0.0007	0.0024	1	04/24/23 13:28	ASH	L678106
1,1-Dichloropropene	<0.0004	mg/Kg - dry	0.0004	0.0024	1	04/24/23 13:28	ASH	L678106
cis-1,3-Dichloropropene	<0.0009	mg/Kg - dry	0.0009	0.0024	1	04/24/23 13:28	ASH	L678106
trans-1,3-Dichloropropene	<0.0009	mg/Kg - dry	0.0009	0.0024	1	04/24/23 13:28	ASH	L678106
Ethyl Acetate	<0.0073	mg/Kg - dry	0.0073	0.0486	1	04/24/23 13:28	ASH	L678106
Ethylbenzene	<0.0007	mg/Kg - dry	0.0007	0.0024	1	04/24/23 13:28	ASH	L678106

Qualifiers/ Definitions

DF Dilution Factor
MQL Method Quantitation Limit
J Estimated value

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Project Legends Park
Information : 198 N. Pauline-Memphis, TN
Project No. 0888834617

Report Date : 04/27/2023
Received : 04/20/2023

Rebekah Ross
Project Manager

Report Number : **23-111-0040**

REPORT OF ANALYSIS

Lab No : **99810**
Sample ID : **LEGSSB29-01**

Matrix: **Solids**
Sampled: **4/20/2023 10:28**

Analytical Method: 8260B **Prep Batch(es):** **L678061** 04/24/23 08:09
Prep Method: 5035

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Batch
Hexachlorobutadiene	<0.0011	mg/Kg - dry	0.0011	0.0024	1	04/24/23 13:28	ASH	L678106
2-Hexanone	<0.0073	mg/Kg - dry	0.0073	0.0121	1	04/24/23 13:28	ASH	L678106
Iodomethane	<0.0055	mg/Kg - dry	0.0055	0.0121	1	04/24/23 13:28	ASH	L678106
Isopropylbenzene	<0.0009	mg/Kg - dry	0.0009	0.0024	1	04/24/23 13:28	ASH	L678106
4-Isopropyl toluene	<0.0011	mg/Kg - dry	0.0011	0.0024	1	04/24/23 13:28	ASH	L678106
4-Methyl-2-Pentanone	<0.0071	mg/Kg - dry	0.0071	0.0121	1	04/24/23 13:28	ASH	L678106
Methylene Chloride	<0.0033	mg/Kg - dry	0.0033	0.0121	1	04/24/23 13:28	ASH	L678106
Methyl tert-butyl ether (MTBE)	<0.0007	mg/Kg - dry	0.0007	0.0024	1	04/24/23 13:28	ASH	L678106
m,p-Xylene	<0.0017	mg/Kg - dry	0.0017	0.0048	1	04/24/23 13:28	ASH	L678106
Naphthalene	<0.0077	mg/Kg - dry	0.0077	0.0121	1	04/24/23 13:28	ASH	L678106
o-Xylene	<0.0009	mg/Kg - dry	0.0009	0.0024	1	04/24/23 13:28	ASH	L678106
n-Propyl acetate	<0.0082	mg/Kg - dry	0.0082	0.0121	1	04/24/23 13:28	ASH	L678106
n-Propylbenzene	<0.0007	mg/Kg - dry	0.0007	0.0024	1	04/24/23 13:28	ASH	L678106
Styrene	<0.0014	mg/Kg - dry	0.0014	0.0024	1	04/24/23 13:28	ASH	L678106
1,1,1,2-Tetrachloroethane	<0.0010	mg/Kg - dry	0.0010	0.0024	1	04/24/23 13:28	ASH	L678106
1,1,2,2-Tetrachloroethane	<0.0022	mg/Kg - dry	0.0022	0.0024	1	04/24/23 13:28	ASH	L678106
Tetrachloroethene	<0.0009	mg/Kg - dry	0.0009	0.0024	1	04/24/23 13:28	ASH	L678106
Toluene	<0.0039	mg/Kg - dry	0.0039	0.0048	1	04/24/23 13:28	ASH	L678106
1,2,3-Trichlorobenzene	<0.0024	mg/Kg - dry	0.0024	0.0024	1	04/24/23 13:28	ASH	L678106
1,2,4-Trichlorobenzene	<0.0013	mg/Kg - dry	0.0013	0.0024	1	04/24/23 13:28	ASH	L678106
1,1,1-Trichloroethane	<0.0004	mg/Kg - dry	0.0004	0.0024	1	04/24/23 13:28	ASH	L678106
1,1,2-Trichloroethane	<0.0012	mg/Kg - dry	0.0012	0.0024	1	04/24/23 13:28	ASH	L678106

Qualifiers/ Definitions
DF Dilution Factor
MQL Method Quantitation Limit
J Estimated value

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Project Legends Park
Information : 198 N. Pauline-Memphis, TN
Project No. 0888834617

Report Date : 04/27/2023
Received : 04/20/2023

Rebekah Ross
Project Manager

Report Number : **23-111-0040**

REPORT OF ANALYSIS

Lab No : **99810**
Sample ID : **LEGSSB29-01**

Matrix: **Solids**
Sampled: **4/20/2023 10:28**

Analytical Method: 8260B **Prep Batch(es):** **L678061** 04/24/23 08:09
Prep Method: 5035

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Batch
Trichloroethene	<0.0010	mg/Kg - dry	0.0010	0.0024	1	04/24/23 13:28	ASH	L678106
Trichlorofluoromethane	<0.0010	mg/Kg - dry	0.0010	0.0024	1	04/24/23 13:28	ASH	L678106
1,2,3-Trichloropropane	<0.0018	mg/Kg - dry	0.0018	0.0024	1	04/24/23 13:28	ASH	L678106
1,2,4-Trimethylbenzene	<0.0009	mg/Kg - dry	0.0009	0.0024	1	04/24/23 13:28	ASH	L678106
1,3,5-Trimethylbenzene	<0.0011	mg/Kg - dry	0.0011	0.0024	1	04/24/23 13:28	ASH	L678106
Vinyl Acetate	<0.0049	mg/Kg - dry	0.0049	0.0486	1	04/24/23 13:28	ASH	L678106
Vinyl Chloride	<0.0008	mg/Kg - dry	0.0008	0.0024	1	04/24/23 13:28	ASH	L678106
Xylene (Total)	<0.0009	mg/Kg - dry	0.0009	0.0024	1	04/24/23 13:28	KCC	L678106
Surrogate: 4-Bromofluorobenzene	87.3		Limits: 60-140%		1	04/24/23 13:28	ASH	L678106
Surrogate: 1,2-Dichloroethane - d4	115		Limits: 60-140%		1	04/24/23 13:28	ASH	L678106
Surrogate: Toluene-d8	87.8		Limits: 60-140%		1	04/24/23 13:28	ASH	L678106

Qualifiers/ Definitions
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Report Date : 04/27/2023
Received : 04/20/2023

Rebekah Ross
Project Manager

Report Number : **23-111-0040**

REPORT OF ANALYSIS

Lab No : **99811**
Sample ID : **LEGSSB29-03**

Matrix: **Solids**
Sampled: **4/20/2023 10:32**

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Method
Moisture	**19.4**	%			1	04/24/23 16:25	JLS	SW-DRYWT
Arsenic	**7.13**	mg/Kg - dry	0.297	0.620	1	04/26/23 03:12	BKN	6010D
Barium	**97.0**	mg/Kg - dry	0.161	0.620	1	04/26/23 03:12	BKN	6010D
Cadmium	**0.334**	mg/Kg - dry	0.0248	0.124	1	04/26/23 03:12	BKN	6010D
Chromium	**14.5**	mg/Kg - dry	0.292	0.310	1	04/26/23 03:12	BKN	6010D
Lead	**78.0**	mg/Kg - dry	0.223	0.372	1	04/26/23 03:12	BKN	6010D
Mercury	**0.0811 J**	mg/Kg - dry	0.0275	0.228	1	04/27/23 12:53	FDS	7471A
Selenium	<0.397	mg/Kg - dry	0.397	0.620	1	04/26/23 03:12	BKN	6010D
Silver	<1.55	mg/Kg - dry	0.993	1.55	5	04/26/23 20:37	BKN	6010D

Qualifiers/ Definitions

DF Dilution Factor
MQL Method Quantitation Limit
J Estimated value

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Report Date : 04/27/2023
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Rebekah Ross
Project Manager

Report Number : **23-111-0040**

REPORT OF ANALYSIS

Lab No : **99811**
Sample ID : **LEGSSB29-03**

Matrix: **Solids**
Sampled: **4/20/2023 10:32**

Analytical Method: 8260B **Prep Batch(es):** **L678061** 04/24/23 08:09
Prep Method: 5035

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Batch
Acetone	**0.0419 J**	mg/Kg - dry	0.0053	0.0496	1	04/24/23 14:01	ASH	L678106
Acetonitrile	<0.0647	mg/Kg - dry	0.0647	0.248	1	04/24/23 14:01	ASH	L678106
Acrolein	<0.0102	mg/Kg - dry	0.0102	0.0496	1	04/24/23 14:01	ASH	L678106
Acrylonitrile	<0.0047	mg/Kg - dry	0.0047	0.0496	1	04/24/23 14:01	ASH	L678106
Benzene	<0.0004	mg/Kg - dry	0.0004	0.0024	1	04/24/23 14:01	ASH	L678106
Bromobenzene	<0.0009	mg/Kg - dry	0.0009	0.0024	1	04/24/23 14:01	ASH	L678106
Bromochloromethane	<0.0005	mg/Kg - dry	0.0005	0.0024	1	04/24/23 14:01	ASH	L678106
Bromodichloromethane	<0.0009	mg/Kg - dry	0.0009	0.0024	1	04/24/23 14:01	ASH	L678106
Bromoform	<0.0016	mg/Kg - dry	0.0016	0.0024	1	04/24/23 14:01	ASH	L678106
Bromomethane	<0.0019	mg/Kg - dry	0.0019	0.0024	1	04/24/23 14:01	ASH	L678106
Methyl Ethyl Ketone (MEK)	<0.0047	mg/Kg - dry	0.0047	0.0496	1	04/24/23 14:01	ASH	L678106
n-Butylbenzene	<0.0011	mg/Kg - dry	0.0011	0.0024	1	04/24/23 14:01	ASH	L678106
sec-Butyl benzene	<0.0011	mg/Kg - dry	0.0011	0.0024	1	04/24/23 14:01	ASH	L678106
tert-Butyl benzene	<0.0009	mg/Kg - dry	0.0009	0.0024	1	04/24/23 14:01	ASH	L678106
Carbon Disulfide	**0.0107 J**	mg/Kg - dry	0.0035	0.0124	1	04/24/23 14:01	ASH	L678106
Carbon Tetrachloride	<0.0005	mg/Kg - dry	0.0005	0.0024	1	04/24/23 14:01	ASH	L678106
Chlorobenzene	<0.0009	mg/Kg - dry	0.0009	0.0024	1	04/24/23 14:01	ASH	L678106
Chlorodibromomethane	<0.0013	mg/Kg - dry	0.0013	0.0024	1	04/24/23 14:01	ASH	L678106
Chloroethane	<0.0010	mg/Kg - dry	0.0010	0.0024	1	04/24/23 14:01	ASH	L678106
Chloroform	<0.0006	mg/Kg - dry	0.0006	0.0024	1	04/24/23 14:01	ASH	L678106
Chloromethane	<0.0008	mg/Kg - dry	0.0008	0.0024	1	04/24/23 14:01	ASH	L678106
2-Chlorotoluene	<0.0012	mg/Kg - dry	0.0012	0.0024	1	04/24/23 14:01	ASH	L678106

Qualifiers/ Definitions
DF Dilution Factor
MQL Method Quantitation Limit
J Estimated value

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Report Date : 04/27/2023
Received : 04/20/2023

Rebekah Ross
Project Manager

Report Number : **23-111-0040**

REPORT OF ANALYSIS

Lab No : **99811**
Sample ID : **LEGSSB29-03**

Matrix: **Solids**
Sampled: **4/20/2023 10:32**

Analytical Method: 8260B **Prep Batch(es):** **L678061** 04/24/23 08:09
Prep Method: 5035

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Batch
4-Chlorotoluene	<0.0013	mg/Kg - dry	0.0013	0.0024	1	04/24/23 14:01	ASH	L678106
1,2-Dibromo-3-Chloropropane	<0.0081	mg/Kg - dry	0.0081	0.0124	1	04/24/23 14:01	ASH	L678106
1,2-Dibromoethane	<0.0011	mg/Kg - dry	0.0011	0.0024	1	04/24/23 14:01	ASH	L678106
Dibromomethane	<0.0008	mg/Kg - dry	0.0008	0.0024	1	04/24/23 14:01	ASH	L678106
1,2-Dichlorobenzene	<0.0017	mg/Kg - dry	0.0017	0.0024	1	04/24/23 14:01	ASH	L678106
1,3-Dichlorobenzene	<0.0016	mg/Kg - dry	0.0016	0.0024	1	04/24/23 14:01	ASH	L678106
1,4-Dichlorobenzene	<0.0018	mg/Kg - dry	0.0018	0.0024	1	04/24/23 14:01	ASH	L678106
Dichlorodifluoromethane	<0.0023	mg/Kg - dry	0.0023	0.0024	1	04/24/23 14:01	ASH	L678106
1,1-Dichloroethane	<0.0004	mg/Kg - dry	0.0004	0.0024	1	04/24/23 14:01	ASH	L678106
1,2-Dichloroethane	<0.0005	mg/Kg - dry	0.0005	0.0024	1	04/24/23 14:01	ASH	L678106
1,1-Dichloroethene	<0.0007	mg/Kg - dry	0.0007	0.0024	1	04/24/23 14:01	ASH	L678106
cis-1,2-Dichloroethene	<0.0006	mg/Kg - dry	0.0006	0.0024	1	04/24/23 14:01	ASH	L678106
trans-1,2-Dichloroethene	<0.0003	mg/Kg - dry	0.0003	0.0024	1	04/24/23 14:01	ASH	L678106
1,2-Dichloroethene (Total)	<0.0003	mg/Kg - dry	0.0003	0.0024	1	04/24/23 14:01		L678106
1,2-Dichloropropane	<0.0008	mg/Kg - dry	0.0008	0.0024	1	04/24/23 14:01	ASH	L678106
1,3-Dichloropropane	<0.0011	mg/Kg - dry	0.0011	0.0024	1	04/24/23 14:01	ASH	L678106
2,2-Dichloropropane	<0.0007	mg/Kg - dry	0.0007	0.0024	1	04/24/23 14:01	ASH	L678106
1,1-Dichloropropene	<0.0004	mg/Kg - dry	0.0004	0.0024	1	04/24/23 14:01	ASH	L678106
cis-1,3-Dichloropropene	<0.0009	mg/Kg - dry	0.0009	0.0024	1	04/24/23 14:01	ASH	L678106
trans-1,3-Dichloropropene	<0.0009	mg/Kg - dry	0.0009	0.0024	1	04/24/23 14:01	ASH	L678106
Ethyl Acetate	<0.0075	mg/Kg - dry	0.0075	0.0496	1	04/24/23 14:01	ASH	L678106
Ethylbenzene	<0.0007	mg/Kg - dry	0.0007	0.0024	1	04/24/23 14:01	ASH	L678106

Qualifiers/ Definitions

DF Dilution Factor
MQL Method Quantitation Limit
J Estimated value

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Information : 198 N. Pauline-Memphis, TN
Project No. 0888834617

Report Date : 04/27/2023
Received : 04/20/2023

Rebekah Ross
Project Manager

Report Number : **23-111-0040**

REPORT OF ANALYSIS

Lab No : **99811**
Sample ID : **LEGSSB29-03**

Matrix: **Solids**
Sampled: **4/20/2023 10:32**

Analytical Method: 8260B **Prep Batch(es):** **L678061** 04/24/23 08:09
Prep Method: 5035

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Batch
Hexachlorobutadiene	<0.0011	mg/Kg - dry	0.0011	0.0024	1	04/24/23 14:01	ASH	L678106
2-Hexanone	<0.0074	mg/Kg - dry	0.0074	0.0124	1	04/24/23 14:01	ASH	L678106
Iodomethane	<0.0056	mg/Kg - dry	0.0056	0.0124	1	04/24/23 14:01	ASH	L678106
Isopropylbenzene	<0.0009	mg/Kg - dry	0.0009	0.0024	1	04/24/23 14:01	ASH	L678106
4-Isopropyl toluene	<0.0012	mg/Kg - dry	0.0012	0.0024	1	04/24/23 14:01	ASH	L678106
4-Methyl-2-Pentanone	<0.0072	mg/Kg - dry	0.0072	0.0124	1	04/24/23 14:01	ASH	L678106
Methylene Chloride	<0.0034	mg/Kg - dry	0.0034	0.0124	1	04/24/23 14:01	ASH	L678106
Methyl tert-butyl ether (MTBE)	<0.0007	mg/Kg - dry	0.0007	0.0024	1	04/24/23 14:01	ASH	L678106
m,p-Xylene	<0.0017	mg/Kg - dry	0.0017	0.0049	1	04/24/23 14:01	ASH	L678106
Naphthalene	<0.0078	mg/Kg - dry	0.0078	0.0124	1	04/24/23 14:01	ASH	L678106
o-Xylene	<0.0009	mg/Kg - dry	0.0009	0.0024	1	04/24/23 14:01	ASH	L678106
n-Propyl acetate	<0.0084	mg/Kg - dry	0.0084	0.0124	1	04/24/23 14:01	ASH	L678106
n-Propylbenzene	<0.0007	mg/Kg - dry	0.0007	0.0024	1	04/24/23 14:01	ASH	L678106
Styrene	<0.0014	mg/Kg - dry	0.0014	0.0024	1	04/24/23 14:01	ASH	L678106
1,1,1,2-Tetrachloroethane	<0.0011	mg/Kg - dry	0.0011	0.0024	1	04/24/23 14:01	ASH	L678106
1,1,2,2-Tetrachloroethane	<0.0023	mg/Kg - dry	0.0023	0.0024	1	04/24/23 14:01	ASH	L678106
Tetrachloroethene	<0.0009	mg/Kg - dry	0.0009	0.0024	1	04/24/23 14:01	ASH	L678106
Toluene	<0.0040	mg/Kg - dry	0.0040	0.0049	1	04/24/23 14:01	ASH	L678106
1,2,3-Trichlorobenzene	<0.0024	mg/Kg - dry	0.0024	0.0024	1	04/24/23 14:01	ASH	L678106
1,2,4-Trichlorobenzene	<0.0014	mg/Kg - dry	0.0014	0.0024	1	04/24/23 14:01	ASH	L678106
1,1,1-Trichloroethane	<0.0004	mg/Kg - dry	0.0004	0.0024	1	04/24/23 14:01	ASH	L678106
1,1,2-Trichloroethane	<0.0012	mg/Kg - dry	0.0012	0.0024	1	04/24/23 14:01	ASH	L678106

Qualifiers/ Definitions
DF Dilution Factor
MQL Method Quantitation Limit
J Estimated value

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Project Legends Park
Information : 198 N. Pauline-Memphis, TN
Project No. 0888834617

Report Date : 04/27/2023
Received : 04/20/2023

Rebekah Ross
Project Manager

Report Number : **23-111-0040**

REPORT OF ANALYSIS

Lab No : **99811**
Sample ID : **LEGSSB29-03**

Matrix: **Solids**
Sampled: **4/20/2023 10:32**

Analytical Method: 8260B **Prep Batch(es):** **L678061** 04/24/23 08:09
Prep Method: 5035

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Batch
Trichloroethene	<0.0011	mg/Kg - dry	0.0011	0.0024	1	04/24/23 14:01	ASH	L678106
Trichlorofluoromethane	<0.0011	mg/Kg - dry	0.0011	0.0024	1	04/24/23 14:01	ASH	L678106
1,2,3-Trichloropropane	<0.0018	mg/Kg - dry	0.0018	0.0024	1	04/24/23 14:01	ASH	L678106
1,2,4-Trimethylbenzene	<0.0010	mg/Kg - dry	0.0010	0.0024	1	04/24/23 14:01	ASH	L678106
1,3,5-Trimethylbenzene	<0.0011	mg/Kg - dry	0.0011	0.0024	1	04/24/23 14:01	ASH	L678106
Vinyl Acetate	<0.0050	mg/Kg - dry	0.0050	0.0496	1	04/24/23 14:01	ASH	L678106
Vinyl Chloride	<0.0009	mg/Kg - dry	0.0009	0.0024	1	04/24/23 14:01	ASH	L678106
Xylene (Total)	<0.0009	mg/Kg - dry	0.0009	0.0024	1	04/24/23 14:01	KCC	L678106
Surrogate: 4-Bromofluorobenzene	85.4		Limits: 60-140%		1	04/24/23 14:01	ASH	L678106
Surrogate: 1,2-Dichloroethane - d4	115		Limits: 60-140%		1	04/24/23 14:01	ASH	L678106
Surrogate: Toluene-d8	89.5		Limits: 60-140%		1	04/24/23 14:01	ASH	L678106

Qualifiers/ Definitions
DF Dilution Factor
MQL Method Quantitation Limit
J Estimated value

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Report Date : 04/27/2023
Received : 04/20/2023

Rebekah Ross
Project Manager

Report Number : **23-111-0040**

REPORT OF ANALYSIS

Lab No : **99812**
Sample ID : **LEGSSB30-01**

Matrix: **Solids**
Sampled: **4/20/2023 10:45**

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Method
Moisture	**18.6**	%			1	04/24/23 16:25	JLS	SW-DRYWT
Arsenic	**6.76**	mg/Kg - dry	0.294	0.614	1	04/26/23 03:17	BKN	6010D
Barium	**111**	mg/Kg - dry	0.159	0.614	1	04/26/23 03:17	BKN	6010D
Cadmium	**0.334**	mg/Kg - dry	0.0245	0.123	1	04/26/23 03:17	BKN	6010D
Chromium	**15.2**	mg/Kg - dry	0.289	0.307	1	04/26/23 03:17	BKN	6010D
Lead	**39.7**	mg/Kg - dry	0.221	0.368	1	04/26/23 03:17	BKN	6010D
Mercury	**0.0924 J**	mg/Kg - dry	0.0270	0.224	1	04/27/23 12:54	FDS	7471A
Selenium	**0.481 J**	mg/Kg - dry	0.393	0.614	1	04/26/23 03:17	BKN	6010D
Silver	<0.983	mg/Kg - dry	0.983	1.54	5	04/26/23 20:42	BKN	6010D

Qualifiers/ Definitions

DF Dilution Factor
MQL Method Quantitation Limit
J Estimated value

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Report Date : 04/27/2023
Received : 04/20/2023

Rebekah Ross
Project Manager

Report Number : **23-111-0040**

REPORT OF ANALYSIS

Lab No : **99812**
Sample ID : **LEGSSB30-01**

Matrix: **Solids**
Sampled: **4/20/2023 10:45**

Analytical Method: 8260B **Prep Batch(es):** **L678061** 04/24/23 08:09
Prep Method: 5035

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Batch
Acetone	**0.171**	mg/Kg - dry	0.0053	0.0491	1	04/24/23 14:34	ASH	L678106
Acetonitrile	<0.0641	mg/Kg - dry	0.0641	0.246	1	04/24/23 14:34	ASH	L678106
Acrolein	<0.0101	mg/Kg - dry	0.0101	0.0491	1	04/24/23 14:34	ASH	L678106
Acrylonitrile	<0.0046	mg/Kg - dry	0.0046	0.0491	1	04/24/23 14:34	ASH	L678106
Benzene	<0.0004	mg/Kg - dry	0.0004	0.0024	1	04/24/23 14:34	ASH	L678106
Bromobenzene	<0.0009	mg/Kg - dry	0.0009	0.0024	1	04/24/23 14:34	ASH	L678106
Bromochloromethane	<0.0005	mg/Kg - dry	0.0005	0.0024	1	04/24/23 14:34	ASH	L678106
Bromodichloromethane	<0.0009	mg/Kg - dry	0.0009	0.0024	1	04/24/23 14:34	ASH	L678106
Bromoform	<0.0016	mg/Kg - dry	0.0016	0.0024	1	04/24/23 14:34	ASH	L678106
Bromomethane	<0.0019	mg/Kg - dry	0.0019	0.0024	1	04/24/23 14:34	ASH	L678106
Methyl Ethyl Ketone (MEK)	**0.0197 J**	mg/Kg - dry	0.0046	0.0491	1	04/24/23 14:34	ASH	L678106
n-Butylbenzene	<0.0011	mg/Kg - dry	0.0011	0.0024	1	04/24/23 14:34	ASH	L678106
sec-Butyl benzene	<0.0011	mg/Kg - dry	0.0011	0.0024	1	04/24/23 14:34	ASH	L678106
tert-Butyl benzene	<0.0009	mg/Kg - dry	0.0009	0.0024	1	04/24/23 14:34	ASH	L678106
Carbon Disulfide	**0.0088 J**	mg/Kg - dry	0.0034	0.0122	1	04/24/23 14:34	ASH	L678106
Carbon Tetrachloride	<0.0005	mg/Kg - dry	0.0005	0.0024	1	04/24/23 14:34	ASH	L678106
Chlorobenzene	<0.0009	mg/Kg - dry	0.0009	0.0024	1	04/24/23 14:34	ASH	L678106
Chlorodibromomethane	<0.0012	mg/Kg - dry	0.0012	0.0024	1	04/24/23 14:34	ASH	L678106
Chloroethane	<0.0010	mg/Kg - dry	0.0010	0.0024	1	04/24/23 14:34	ASH	L678106
Chloroform	<0.0006	mg/Kg - dry	0.0006	0.0024	1	04/24/23 14:34	ASH	L678106
Chloromethane	<0.0008	mg/Kg - dry	0.0008	0.0024	1	04/24/23 14:34	ASH	L678106
2-Chlorotoluene	<0.0012	mg/Kg - dry	0.0012	0.0024	1	04/24/23 14:34	ASH	L678106

Qualifiers/ Definitions
DF Dilution Factor
MQL Method Quantitation Limit
J Estimated value

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Project Legends Park
Information : 198 N. Pauline-Memphis, TN
Project No. 0888834617

Report Date : 04/27/2023
Received : 04/20/2023

Rebekah Ross
Project Manager

Report Number : **23-111-0040**

REPORT OF ANALYSIS

Lab No : **99812**
Sample ID : **LEGSSB30-01**

Matrix: **Solids**
Sampled: **4/20/2023 10:45**

Analytical Method: 8260B **Prep Batch(es):** **L678061** 04/24/23 08:09
Prep Method: 5035

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Batch
4-Chlorotoluene	<0.0013	mg/Kg - dry	0.0013	0.0024	1	04/24/23 14:34	ASH	L678106
1,2-Dibromo-3-Chloropropane	<0.0080	mg/Kg - dry	0.0080	0.0122	1	04/24/23 14:34	ASH	L678106
1,2-Dibromoethane	<0.0011	mg/Kg - dry	0.0011	0.0024	1	04/24/23 14:34	ASH	L678106
Dibromomethane	<0.0008	mg/Kg - dry	0.0008	0.0024	1	04/24/23 14:34	ASH	L678106
1,2-Dichlorobenzene	<0.0017	mg/Kg - dry	0.0017	0.0024	1	04/24/23 14:34	ASH	L678106
1,3-Dichlorobenzene	<0.0016	mg/Kg - dry	0.0016	0.0024	1	04/24/23 14:34	ASH	L678106
1,4-Dichlorobenzene	<0.0018	mg/Kg - dry	0.0018	0.0024	1	04/24/23 14:34	ASH	L678106
Dichlorodifluoromethane	<0.0023	mg/Kg - dry	0.0023	0.0024	1	04/24/23 14:34	ASH	L678106
1,1-Dichloroethane	<0.0004	mg/Kg - dry	0.0004	0.0024	1	04/24/23 14:34	ASH	L678106
1,2-Dichloroethane	<0.0005	mg/Kg - dry	0.0005	0.0024	1	04/24/23 14:34	ASH	L678106
1,1-Dichloroethene	<0.0007	mg/Kg - dry	0.0007	0.0024	1	04/24/23 14:34	ASH	L678106
cis-1,2-Dichloroethene	<0.0006	mg/Kg - dry	0.0006	0.0024	1	04/24/23 14:34	ASH	L678106
trans-1,2-Dichloroethene	<0.0003	mg/Kg - dry	0.0003	0.0024	1	04/24/23 14:34	ASH	L678106
1,2-Dichloroethene (Total)	<0.0003	mg/Kg - dry	0.0003	0.0024	1	04/24/23 14:34		L678106
1,2-Dichloropropane	<0.0007	mg/Kg - dry	0.0007	0.0024	1	04/24/23 14:34	ASH	L678106
1,3-Dichloropropane	<0.0011	mg/Kg - dry	0.0011	0.0024	1	04/24/23 14:34	ASH	L678106
2,2-Dichloropropane	<0.0007	mg/Kg - dry	0.0007	0.0024	1	04/24/23 14:34	ASH	L678106
1,1-Dichloropropene	<0.0004	mg/Kg - dry	0.0004	0.0024	1	04/24/23 14:34	ASH	L678106
cis-1,3-Dichloropropene	<0.0009	mg/Kg - dry	0.0009	0.0024	1	04/24/23 14:34	ASH	L678106
trans-1,3-Dichloropropene	<0.0009	mg/Kg - dry	0.0009	0.0024	1	04/24/23 14:34	ASH	L678106
Ethyl Acetate	<0.0074	mg/Kg - dry	0.0074	0.0491	1	04/24/23 14:34	ASH	L678106
Ethylbenzene	<0.0007	mg/Kg - dry	0.0007	0.0024	1	04/24/23 14:34	ASH	L678106

Qualifiers/ Definitions
DF Dilution Factor
MQL Method Quantitation Limit
J Estimated value

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Project Legends Park
Information : 198 N. Pauline-Memphis, TN
Project No. 0888834617

Report Date : 04/27/2023
Received : 04/20/2023

Rebekah Ross
Project Manager

Report Number : **23-111-0040**

REPORT OF ANALYSIS

Lab No : **99812**
Sample ID : **LEGSSB30-01**

Matrix: **Solids**
Sampled: **4/20/2023 10:45**

Analytical Method: 8260B **Prep Batch(es):** **L678061** 04/24/23 08:09
Prep Method: 5035

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Batch
Hexachlorobutadiene	<0.0011	mg/Kg - dry	0.0011	0.0024	1	04/24/23 14:34	ASH	L678106
2-Hexanone	<0.0073	mg/Kg - dry	0.0073	0.0122	1	04/24/23 14:34	ASH	L678106
Iodomethane	<0.0055	mg/Kg - dry	0.0055	0.0122	1	04/24/23 14:34	ASH	L678106
Isopropylbenzene	<0.0009	mg/Kg - dry	0.0009	0.0024	1	04/24/23 14:34	ASH	L678106
4-Isopropyl toluene	<0.0012	mg/Kg - dry	0.0012	0.0024	1	04/24/23 14:34	ASH	L678106
4-Methyl-2-Pentanone	<0.0071	mg/Kg - dry	0.0071	0.0122	1	04/24/23 14:34	ASH	L678106
Methylene Chloride	<0.0034	mg/Kg - dry	0.0034	0.0122	1	04/24/23 14:34	ASH	L678106
Methyl tert-butyl ether (MTBE)	<0.0007	mg/Kg - dry	0.0007	0.0024	1	04/24/23 14:34	ASH	L678106
m,p-Xylene	<0.0017	mg/Kg - dry	0.0017	0.0049	1	04/24/23 14:34	ASH	L678106
Naphthalene	<0.0077	mg/Kg - dry	0.0077	0.0122	1	04/24/23 14:34	ASH	L678106
o-Xylene	<0.0009	mg/Kg - dry	0.0009	0.0024	1	04/24/23 14:34	ASH	L678106
n-Propyl acetate	<0.0083	mg/Kg - dry	0.0083	0.0122	1	04/24/23 14:34	ASH	L678106
n-Propylbenzene	<0.0007	mg/Kg - dry	0.0007	0.0024	1	04/24/23 14:34	ASH	L678106
Styrene	<0.0014	mg/Kg - dry	0.0014	0.0024	1	04/24/23 14:34	ASH	L678106
1,1,1,2-Tetrachloroethane	<0.0010	mg/Kg - dry	0.0010	0.0024	1	04/24/23 14:34	ASH	L678106
1,1,2,2-Tetrachloroethane	<0.0022	mg/Kg - dry	0.0022	0.0024	1	04/24/23 14:34	ASH	L678106
Tetrachloroethene	<0.0009	mg/Kg - dry	0.0009	0.0024	1	04/24/23 14:34	ASH	L678106
Toluene	<0.0040	mg/Kg - dry	0.0040	0.0049	1	04/24/23 14:34	ASH	L678106
1,2,3-Trichlorobenzene	<0.0024	mg/Kg - dry	0.0024	0.0024	1	04/24/23 14:34	ASH	L678106
1,2,4-Trichlorobenzene	<0.0013	mg/Kg - dry	0.0013	0.0024	1	04/24/23 14:34	ASH	L678106
1,1,1-Trichloroethane	<0.0004	mg/Kg - dry	0.0004	0.0024	1	04/24/23 14:34	ASH	L678106
1,1,2-Trichloroethane	<0.0012	mg/Kg - dry	0.0012	0.0024	1	04/24/23 14:34	ASH	L678106

Qualifiers/ Definitions
DF Dilution Factor
MQL Method Quantitation Limit
J Estimated value

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Project Legends Park
Information : 198 N. Pauline-Memphis, TN
Project No. 0888834617

Report Date : 04/27/2023
Received : 04/20/2023

Rebekah Ross
Project Manager

Report Number : **23-111-0040**

REPORT OF ANALYSIS

Lab No : **99812**
Sample ID : **LEGSSB30-01**

Matrix: **Solids**
Sampled: **4/20/2023 10:45**

Analytical Method: 8260B **Prep Batch(es):** **L678061** 04/24/23 08:09
Prep Method: 5035

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Batch
Trichloroethene	<0.0011	mg/Kg - dry	0.0011	0.0024	1	04/24/23 14:34	ASH	L678106
Trichlorofluoromethane	<0.0010	mg/Kg - dry	0.0010	0.0024	1	04/24/23 14:34	ASH	L678106
1,2,3-Trichloropropane	<0.0018	mg/Kg - dry	0.0018	0.0024	1	04/24/23 14:34	ASH	L678106
1,2,4-Trimethylbenzene	<0.0009	mg/Kg - dry	0.0009	0.0024	1	04/24/23 14:34	ASH	L678106
1,3,5-Trimethylbenzene	<0.0011	mg/Kg - dry	0.0011	0.0024	1	04/24/23 14:34	ASH	L678106
Vinyl Acetate	<0.0049	mg/Kg - dry	0.0049	0.0491	1	04/24/23 14:34	ASH	L678106
Vinyl Chloride	<0.0008	mg/Kg - dry	0.0008	0.0024	1	04/24/23 14:34	ASH	L678106
Xylene (Total)	<0.0009	mg/Kg - dry	0.0009	0.0024	1	04/24/23 14:34	KCC	L678106
Surrogate: 4-Bromofluorobenzene	86.8		Limits: 60-140%		1	04/24/23 14:34	ASH	L678106
Surrogate: 1,2-Dichloroethane - d4	121		Limits: 60-140%		1	04/24/23 14:34	ASH	L678106
Surrogate: Toluene-d8	85.3		Limits: 60-140%		1	04/24/23 14:34	ASH	L678106

Qualifiers/ Definitions
DF Dilution Factor
MQL Method Quantitation Limit
J Estimated value

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Report Date : 04/27/2023
Received : 04/20/2023

Rebekah Ross
Project Manager

Report Number : **23-111-0040**

REPORT OF ANALYSIS

Lab No : **99813**
Sample ID : **LEGSSB31-01**

Matrix: **Solids**
Sampled: **4/20/2023 10:51**

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Method
Moisture	**16.5**	%			1	04/24/23 16:00	JLS	SW-DRYWT
Arsenic	**7.58**	mg/Kg - dry	0.287	0.598	1	04/26/23 03:23	BKN	6010D
Barium	**131**	mg/Kg - dry	0.155	0.598	1	04/26/23 03:23	BKN	6010D
Cadmium	**0.390**	mg/Kg - dry	0.0239	0.120	1	04/26/23 03:23	BKN	6010D
Chromium	**13.7**	mg/Kg - dry	0.282	0.299	1	04/26/23 03:23	BKN	6010D
Lead	**60.6**	mg/Kg - dry	0.215	0.359	1	04/26/23 03:23	BKN	6010D
Mercury	**0.178 J**	mg/Kg - dry	0.0260	0.216	1	04/27/23 12:59	FDS	7471A
Selenium	<0.383	mg/Kg - dry	0.383	0.598	1	04/26/23 03:23	BKN	6010D
Silver	<0.958	mg/Kg - dry	0.958	1.50	5	04/26/23 20:47	BKN	6010D

Qualifiers/ Definitions

DF Dilution Factor
MQL Method Quantitation Limit
J Estimated value

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Project Manager

Report Number : **23-111-0040**

REPORT OF ANALYSIS

Lab No : **99813**
Sample ID : **LEGSSB31-01**

Matrix: **Solids**
Sampled: **4/20/2023 10:51**

Analytical Method: 8260B **Prep Batch(es):** **L678061** 04/24/23 08:09
Prep Method: 5035

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Batch
Acetone	**0.0919**	mg/Kg - dry	0.0054	0.0500	1	04/24/23 15:07	ASH	L678106
Acetonitrile	<0.0652	mg/Kg - dry	0.0652	0.250	1	04/24/23 15:07	ASH	L678106
Acrolein	<0.0103	mg/Kg - dry	0.0103	0.0500	1	04/24/23 15:07	ASH	L678106
Acrylonitrile	<0.0047	mg/Kg - dry	0.0047	0.0500	1	04/24/23 15:07	ASH	L678106
Benzene	<0.0004	mg/Kg - dry	0.0004	0.0025	1	04/24/23 15:07	ASH	L678106
Bromobenzene	<0.0009	mg/Kg - dry	0.0009	0.0025	1	04/24/23 15:07	ASH	L678106
Bromochloromethane	<0.0005	mg/Kg - dry	0.0005	0.0025	1	04/24/23 15:07	ASH	L678106
Bromodichloromethane	<0.0009	mg/Kg - dry	0.0009	0.0025	1	04/24/23 15:07	ASH	L678106
Bromoform	<0.0016	mg/Kg - dry	0.0016	0.0025	1	04/24/23 15:07	ASH	L678106
Bromomethane	<0.0020	mg/Kg - dry	0.0020	0.0025	1	04/24/23 15:07	ASH	L678106
Methyl Ethyl Ketone (MEK)	**0.0064 J**	mg/Kg - dry	0.0047	0.0500	1	04/24/23 15:07	ASH	L678106
n-Butylbenzene	<0.0011	mg/Kg - dry	0.0011	0.0025	1	04/24/23 15:07	ASH	L678106
sec-Butyl benzene	<0.0011	mg/Kg - dry	0.0011	0.0025	1	04/24/23 15:07	ASH	L678106
tert-Butyl benzene	<0.0009	mg/Kg - dry	0.0009	0.0025	1	04/24/23 15:07	ASH	L678106
Carbon Disulfide	**0.0188**	mg/Kg - dry	0.0035	0.0124	1	04/24/23 15:07	ASH	L678106
Carbon Tetrachloride	<0.0005	mg/Kg - dry	0.0005	0.0025	1	04/24/23 15:07	ASH	L678106
Chlorobenzene	<0.0009	mg/Kg - dry	0.0009	0.0025	1	04/24/23 15:07	ASH	L678106
Chlorodibromomethane	<0.0013	mg/Kg - dry	0.0013	0.0025	1	04/24/23 15:07	ASH	L678106
Chloroethane	<0.0010	mg/Kg - dry	0.0010	0.0025	1	04/24/23 15:07	ASH	L678106
Chloroform	<0.0006	mg/Kg - dry	0.0006	0.0025	1	04/24/23 15:07	ASH	L678106
Chloromethane	<0.0009	mg/Kg - dry	0.0009	0.0025	1	04/24/23 15:07	ASH	L678106
2-Chlorotoluene	<0.0012	mg/Kg - dry	0.0012	0.0025	1	04/24/23 15:07	ASH	L678106

Qualifiers/ Definitions
DF Dilution Factor
MQL Method Quantitation Limit
J Estimated value

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Ms. Allison Harris
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Memphis , TN 38134

Project Legends Park

Information : 198 N. Pauline-Memphis, TN
Project No. 0888834617

Report Date : 04/27/2023
Received : 04/20/2023

Rebekah Ross
Project Manager

Report Number : **23-111-0040**

REPORT OF ANALYSIS

Lab No : **99813**
Sample ID : **LEGSSB31-01**

Matrix: **Solids**
Sampled: **4/20/2023 10:51**

Analytical Method: 8260B **Prep Batch(es):** **L678061** 04/24/23 08:09
Prep Method: 5035

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Batch
4-Chlorotoluene	<0.0013	mg/Kg - dry	0.0013	0.0025	1	04/24/23 15:07	ASH	L678106
1,2-Dibromo-3-Chloropropane	<0.0082	mg/Kg - dry	0.0082	0.0124	1	04/24/23 15:07	ASH	L678106
1,2-Dibromoethane	<0.0011	mg/Kg - dry	0.0011	0.0025	1	04/24/23 15:07	ASH	L678106
Dibromomethane	<0.0008	mg/Kg - dry	0.0008	0.0025	1	04/24/23 15:07	ASH	L678106
1,2-Dichlorobenzene	<0.0017	mg/Kg - dry	0.0017	0.0025	1	04/24/23 15:07	ASH	L678106
1,3-Dichlorobenzene	<0.0016	mg/Kg - dry	0.0016	0.0025	1	04/24/23 15:07	ASH	L678106
1,4-Dichlorobenzene	<0.0018	mg/Kg - dry	0.0018	0.0025	1	04/24/23 15:07	ASH	L678106
Dichlorodifluoromethane	<0.0023	mg/Kg - dry	0.0023	0.0025	1	04/24/23 15:07	ASH	L678106
1,1-Dichloroethane	<0.0004	mg/Kg - dry	0.0004	0.0025	1	04/24/23 15:07	ASH	L678106
1,2-Dichloroethane	<0.0005	mg/Kg - dry	0.0005	0.0025	1	04/24/23 15:07	ASH	L678106
1,1-Dichloroethene	<0.0007	mg/Kg - dry	0.0007	0.0025	1	04/24/23 15:07	ASH	L678106
cis-1,2-Dichloroethene	<0.0006	mg/Kg - dry	0.0006	0.0025	1	04/24/23 15:07	ASH	L678106
trans-1,2-Dichloroethene	<0.0003	mg/Kg - dry	0.0003	0.0025	1	04/24/23 15:07	ASH	L678106
1,2-Dichloroethene (Total)	<0.0003	mg/Kg - dry	0.0003	0.0025	1	04/24/23 15:07		L678106
1,2-Dichloropropane	<0.0008	mg/Kg - dry	0.0008	0.0025	1	04/24/23 15:07	ASH	L678106
1,3-Dichloropropane	<0.0011	mg/Kg - dry	0.0011	0.0025	1	04/24/23 15:07	ASH	L678106
2,2-Dichloropropane	<0.0007	mg/Kg - dry	0.0007	0.0025	1	04/24/23 15:07	ASH	L678106
1,1-Dichloropropene	<0.0004	mg/Kg - dry	0.0004	0.0025	1	04/24/23 15:07	ASH	L678106
cis-1,3-Dichloropropene	<0.0009	mg/Kg - dry	0.0009	0.0025	1	04/24/23 15:07	ASH	L678106
trans-1,3-Dichloropropene	<0.0009	mg/Kg - dry	0.0009	0.0025	1	04/24/23 15:07	ASH	L678106
Ethyl Acetate	<0.0075	mg/Kg - dry	0.0075	0.0500	1	04/24/23 15:07	ASH	L678106
Ethylbenzene	<0.0008	mg/Kg - dry	0.0008	0.0025	1	04/24/23 15:07	ASH	L678106

Qualifiers/ Definitions

DF Dilution Factor
MQL Method Quantitation Limit
J Estimated value

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Project Legends Park
Information : 198 N. Pauline-Memphis, TN
Project No. 0888834617

Report Date : 04/27/2023
Received : 04/20/2023

Rebekah Ross
Project Manager

Report Number : **23-111-0040**

REPORT OF ANALYSIS

Lab No : **99813**
Sample ID : **LEGSSB31-01**

Matrix: **Solids**
Sampled: **4/20/2023 10:51**

Analytical Method: 8260B **Prep Batch(es):** **L678061** 04/24/23 08:09
Prep Method: 5035

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Batch
Hexachlorobutadiene	<0.0011	mg/Kg - dry	0.0011	0.0025	1	04/24/23 15:07	ASH	L678106
2-Hexanone	<0.0074	mg/Kg - dry	0.0074	0.0124	1	04/24/23 15:07	ASH	L678106
Iodomethane	<0.0056	mg/Kg - dry	0.0056	0.0124	1	04/24/23 15:07	ASH	L678106
Isopropylbenzene	<0.0009	mg/Kg - dry	0.0009	0.0025	1	04/24/23 15:07	ASH	L678106
4-Isopropyl toluene	<0.0012	mg/Kg - dry	0.0012	0.0025	1	04/24/23 15:07	ASH	L678106
4-Methyl-2-Pentanone	<0.0072	mg/Kg - dry	0.0072	0.0124	1	04/24/23 15:07	ASH	L678106
Methylene Chloride	<0.0034	mg/Kg - dry	0.0034	0.0124	1	04/24/23 15:07	ASH	L678106
Methyl tert-butyl ether (MTBE)	<0.0007	mg/Kg - dry	0.0007	0.0025	1	04/24/23 15:07	ASH	L678106
m,p-Xylene	<0.0017	mg/Kg - dry	0.0017	0.0050	1	04/24/23 15:07	ASH	L678106
Naphthalene	<0.0078	mg/Kg - dry	0.0078	0.0124	1	04/24/23 15:07	ASH	L678106
o-Xylene	<0.0009	mg/Kg - dry	0.0009	0.0025	1	04/24/23 15:07	ASH	L678106
n-Propyl acetate	<0.0084	mg/Kg - dry	0.0084	0.0124	1	04/24/23 15:07	ASH	L678106
n-Propylbenzene	<0.0007	mg/Kg - dry	0.0007	0.0025	1	04/24/23 15:07	ASH	L678106
Styrene	<0.0014	mg/Kg - dry	0.0014	0.0025	1	04/24/23 15:07	ASH	L678106
1,1,1,2-Tetrachloroethane	<0.0011	mg/Kg - dry	0.0011	0.0025	1	04/24/23 15:07	ASH	L678106
1,1,2,2-Tetrachloroethane	<0.0023	mg/Kg - dry	0.0023	0.0025	1	04/24/23 15:07	ASH	L678106
Tetrachloroethene	<0.0009	mg/Kg - dry	0.0009	0.0025	1	04/24/23 15:07	ASH	L678106
Toluene	<0.0040	mg/Kg - dry	0.0040	0.0050	1	04/24/23 15:07	ASH	L678106
1,2,3-Trichlorobenzene	<0.0025	mg/Kg - dry	0.0025	0.0025	1	04/24/23 15:07	ASH	L678106
1,2,4-Trichlorobenzene	<0.0014	mg/Kg - dry	0.0014	0.0025	1	04/24/23 15:07	ASH	L678106
1,1,1-Trichloroethane	<0.0004	mg/Kg - dry	0.0004	0.0025	1	04/24/23 15:07	ASH	L678106
1,1,2-Trichloroethane	<0.0012	mg/Kg - dry	0.0012	0.0025	1	04/24/23 15:07	ASH	L678106

Qualifiers/ Definitions
DF Dilution Factor
MQL Method Quantitation Limit
J Estimated value

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Project Legends Park
Information : 198 N. Pauline-Memphis, TN
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Report Date : 04/27/2023
Received : 04/20/2023

Rebekah Ross
Project Manager

Report Number : **23-111-0040**

REPORT OF ANALYSIS

Lab No : **99813**
Sample ID : **LEGSSB31-01**

Matrix: **Solids**
Sampled: **4/20/2023 10:51**

Analytical Method: 8260B **Prep Batch(es):** **L678061** 04/24/23 08:09
Prep Method: 5035

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Batch
Trichloroethene	<0.0011	mg/Kg - dry	0.0011	0.0025	1	04/24/23 15:07	ASH	L678106
Trichlorofluoromethane	<0.0011	mg/Kg - dry	0.0011	0.0025	1	04/24/23 15:07	ASH	L678106
1,2,3-Trichloropropane	<0.0019	mg/Kg - dry	0.0019	0.0025	1	04/24/23 15:07	ASH	L678106
1,2,4-Trimethylbenzene	<0.0010	mg/Kg - dry	0.0010	0.0025	1	04/24/23 15:07	ASH	L678106
1,3,5-Trimethylbenzene	<0.0011	mg/Kg - dry	0.0011	0.0025	1	04/24/23 15:07	ASH	L678106
Vinyl Acetate	<0.0050	mg/Kg - dry	0.0050	0.0500	1	04/24/23 15:07	ASH	L678106
Vinyl Chloride	<0.0009	mg/Kg - dry	0.0009	0.0025	1	04/24/23 15:07	ASH	L678106
Xylene (Total)	<0.0009	mg/Kg - dry	0.0009	0.0025	1	04/24/23 15:07	KCC	L678106
Surrogate: 4-Bromofluorobenzene	91.9		Limits: 60-140%		1	04/24/23 15:07	ASH	L678106
Surrogate: 1,2-Dichloroethane - d4	132		Limits: 60-140%		1	04/24/23 15:07	ASH	L678106
Surrogate: Toluene-d8	91.5		Limits: 60-140%		1	04/24/23 15:07	ASH	L678106

Qualifiers/ Definitions
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Received : 04/20/2023

Rebekah Ross
Project Manager

Report Number : **23-111-0040**

REPORT OF ANALYSIS

Lab No : **99814**
Sample ID : **LEGSSB32-01**

Matrix: **Solids**
Sampled: **4/20/2023 11:02**

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Method
Moisture	**20.5**	%			1	04/24/23 16:00	JLS	SW-DRYWT
Arsenic	**8.19**	mg/Kg - dry	0.301	0.628	1	04/26/23 03:28	BKN	6010D
Barium	**102**	mg/Kg - dry	0.163	0.628	1	04/26/23 03:28	BKN	6010D
Cadmium	**0.385**	mg/Kg - dry	0.0251	0.126	1	04/26/23 03:28	BKN	6010D
Chromium	**15.1**	mg/Kg - dry	0.296	0.314	1	04/26/23 03:28	BKN	6010D
Lead	**23.3**	mg/Kg - dry	0.226	0.377	1	04/26/23 03:28	BKN	6010D
Mercury	**0.0570 J**	mg/Kg - dry	0.0278	0.230	1	04/27/23 13:00	FDS	7471A
Selenium	<0.402	mg/Kg - dry	0.402	0.628	1	04/26/23 03:28	BKN	6010D
Silver	<1.01	mg/Kg - dry	1.01	1.57	5	04/26/23 20:53	BKN	6010D

Qualifiers/ Definitions

DF Dilution Factor
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Project Manager

Report Number : **23-111-0040**

REPORT OF ANALYSIS

Lab No : **99814**
Sample ID : **LEGSSB32-01**

Matrix: **Solids**
Sampled: **4/20/2023 11:02**

Analytical Method: 8260B **Prep Batch(es):** **L678061** 04/24/23 08:09
Prep Method: 5035

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Batch
Acetone	**0.111**	mg/Kg - dry	0.0054	0.0503	1	04/24/23 15:41	ASH	L678106
Acetonitrile	<0.0656	mg/Kg - dry	0.0656	0.252	1	04/24/23 15:41	ASH	L678106
Acrolein	<0.0103	mg/Kg - dry	0.0103	0.0503	1	04/24/23 15:41	ASH	L678106
Acrylonitrile	<0.0047	mg/Kg - dry	0.0047	0.0503	1	04/24/23 15:41	ASH	L678106
Benzene	<0.0004	mg/Kg - dry	0.0004	0.0025	1	04/24/23 15:41	ASH	L678106
Bromobenzene	<0.0009	mg/Kg - dry	0.0009	0.0025	1	04/24/23 15:41	ASH	L678106
Bromochloromethane	<0.0005	mg/Kg - dry	0.0005	0.0025	1	04/24/23 15:41	ASH	L678106
Bromodichloromethane	<0.0009	mg/Kg - dry	0.0009	0.0025	1	04/24/23 15:41	ASH	L678106
Bromoform	<0.0016	mg/Kg - dry	0.0016	0.0025	1	04/24/23 15:41	ASH	L678106
Bromomethane	<0.0020	mg/Kg - dry	0.0020	0.0025	1	04/24/23 15:41	ASH	L678106
Methyl Ethyl Ketone (MEK)	**0.0070 J**	mg/Kg - dry	0.0048	0.0503	1	04/24/23 15:41	ASH	L678106
n-Butylbenzene	<0.0011	mg/Kg - dry	0.0011	0.0025	1	04/24/23 15:41	ASH	L678106
sec-Butyl benzene	<0.0011	mg/Kg - dry	0.0011	0.0025	1	04/24/23 15:41	ASH	L678106
tert-Butyl benzene	<0.0009	mg/Kg - dry	0.0009	0.0025	1	04/24/23 15:41	ASH	L678106
Carbon Disulfide	**0.0462**	mg/Kg - dry	0.0035	0.0125	1	04/24/23 15:41	ASH	L678106
Carbon Tetrachloride	<0.0005	mg/Kg - dry	0.0005	0.0025	1	04/24/23 15:41	ASH	L678106
Chlorobenzene	<0.0009	mg/Kg - dry	0.0009	0.0025	1	04/24/23 15:41	ASH	L678106
Chlorodibromomethane	<0.0013	mg/Kg - dry	0.0013	0.0025	1	04/24/23 15:41	ASH	L678106
Chloroethane	<0.0010	mg/Kg - dry	0.0010	0.0025	1	04/24/23 15:41	ASH	L678106
Chloroform	<0.0006	mg/Kg - dry	0.0006	0.0025	1	04/24/23 15:41	ASH	L678106
Chloromethane	<0.0009	mg/Kg - dry	0.0009	0.0025	1	04/24/23 15:41	ASH	L678106
2-Chlorotoluene	<0.0012	mg/Kg - dry	0.0012	0.0025	1	04/24/23 15:41	ASH	L678106

Qualifiers/ Definitions
DF Dilution Factor
MQL Method Quantitation Limit
J Estimated value

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Rebekah Ross
Project Manager

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REPORT OF ANALYSIS

Lab No : **99814**
Sample ID : **LEGSSB32-01**

Matrix: **Solids**
Sampled: **4/20/2023 11:02**

Analytical Method: 8260B **Prep Batch(es):** **L678061** 04/24/23 08:09
Prep Method: 5035

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Batch
4-Chlorotoluene	<0.0013	mg/Kg - dry	0.0013	0.0025	1	04/24/23 15:41	ASH	L678106
1,2-Dibromo-3-Chloropropane	<0.0082	mg/Kg - dry	0.0082	0.0125	1	04/24/23 15:41	ASH	L678106
1,2-Dibromoethane	<0.0011	mg/Kg - dry	0.0011	0.0025	1	04/24/23 15:41	ASH	L678106
Dibromomethane	<0.0008	mg/Kg - dry	0.0008	0.0025	1	04/24/23 15:41	ASH	L678106
1,2-Dichlorobenzene	<0.0017	mg/Kg - dry	0.0017	0.0025	1	04/24/23 15:41	ASH	L678106
1,3-Dichlorobenzene	<0.0016	mg/Kg - dry	0.0016	0.0025	1	04/24/23 15:41	ASH	L678106
1,4-Dichlorobenzene	<0.0018	mg/Kg - dry	0.0018	0.0025	1	04/24/23 15:41	ASH	L678106
Dichlorodifluoromethane	<0.0023	mg/Kg - dry	0.0023	0.0025	1	04/24/23 15:41	ASH	L678106
1,1-Dichloroethane	<0.0004	mg/Kg - dry	0.0004	0.0025	1	04/24/23 15:41	ASH	L678106
1,2-Dichloroethane	<0.0005	mg/Kg - dry	0.0005	0.0025	1	04/24/23 15:41	ASH	L678106
1,1-Dichloroethene	<0.0007	mg/Kg - dry	0.0007	0.0025	1	04/24/23 15:41	ASH	L678106
cis-1,2-Dichloroethene	<0.0006	mg/Kg - dry	0.0006	0.0025	1	04/24/23 15:41	ASH	L678106
trans-1,2-Dichloroethene	<0.0003	mg/Kg - dry	0.0003	0.0025	1	04/24/23 15:41	ASH	L678106
1,2-Dichloroethene (Total)	<0.0003	mg/Kg - dry	0.0003	0.0025	1	04/24/23 15:41		L678106
1,2-Dichloropropane	<0.0008	mg/Kg - dry	0.0008	0.0025	1	04/24/23 15:41	ASH	L678106
1,3-Dichloropropane	<0.0011	mg/Kg - dry	0.0011	0.0025	1	04/24/23 15:41	ASH	L678106
2,2-Dichloropropane	<0.0007	mg/Kg - dry	0.0007	0.0025	1	04/24/23 15:41	ASH	L678106
1,1-Dichloropropene	<0.0004	mg/Kg - dry	0.0004	0.0025	1	04/24/23 15:41	ASH	L678106
cis-1,3-Dichloropropene	<0.0009	mg/Kg - dry	0.0009	0.0025	1	04/24/23 15:41	ASH	L678106
trans-1,3-Dichloropropene	<0.0009	mg/Kg - dry	0.0009	0.0025	1	04/24/23 15:41	ASH	L678106
Ethyl Acetate	<0.0076	mg/Kg - dry	0.0076	0.0503	1	04/24/23 15:41	ASH	L678106
Ethylbenzene	<0.0008	mg/Kg - dry	0.0008	0.0025	1	04/24/23 15:41	ASH	L678106

Qualifiers/ Definitions

DF Dilution Factor
MQL Method Quantitation Limit
J Estimated value

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Report Date : 04/27/2023
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Rebekah Ross
Project Manager

Report Number : **23-111-0040**

REPORT OF ANALYSIS

Lab No : **99814**
Sample ID : **LEGSSB32-01**

Matrix: **Solids**
Sampled: **4/20/2023 11:02**

Analytical Method: 8260B **Prep Batch(es):** **L678061** 04/24/23 08:09
Prep Method: 5035

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Batch
Hexachlorobutadiene	<0.0011	mg/Kg - dry	0.0011	0.0025	1	04/24/23 15:41	ASH	L678106
2-Hexanone	<0.0075	mg/Kg - dry	0.0075	0.0125	1	04/24/23 15:41	ASH	L678106
Iodomethane	<0.0057	mg/Kg - dry	0.0057	0.0125	1	04/24/23 15:41	ASH	L678106
Isopropylbenzene	<0.0009	mg/Kg - dry	0.0009	0.0025	1	04/24/23 15:41	ASH	L678106
4-Isopropyl toluene	<0.0012	mg/Kg - dry	0.0012	0.0025	1	04/24/23 15:41	ASH	L678106
4-Methyl-2-Pentanone	<0.0073	mg/Kg - dry	0.0073	0.0125	1	04/24/23 15:41	ASH	L678106
Methylene Chloride	<0.0034	mg/Kg - dry	0.0034	0.0125	1	04/24/23 15:41	ASH	L678106
Methyl tert-butyl ether (MTBE)	<0.0007	mg/Kg - dry	0.0007	0.0025	1	04/24/23 15:41	ASH	L678106
m,p-Xylene	<0.0018	mg/Kg - dry	0.0018	0.0050	1	04/24/23 15:41	ASH	L678106
Naphthalene	<0.0079	mg/Kg - dry	0.0079	0.0125	1	04/24/23 15:41	ASH	L678106
o-Xylene	<0.0009	mg/Kg - dry	0.0009	0.0025	1	04/24/23 15:41	ASH	L678106
n-Propyl acetate	<0.0085	mg/Kg - dry	0.0085	0.0125	1	04/24/23 15:41	ASH	L678106
n-Propylbenzene	<0.0007	mg/Kg - dry	0.0007	0.0025	1	04/24/23 15:41	ASH	L678106
Styrene	<0.0014	mg/Kg - dry	0.0014	0.0025	1	04/24/23 15:41	ASH	L678106
1,1,1,2-Tetrachloroethane	<0.0011	mg/Kg - dry	0.0011	0.0025	1	04/24/23 15:41	ASH	L678106
1,1,2,2-Tetrachloroethane	<0.0023	mg/Kg - dry	0.0023	0.0025	1	04/24/23 15:41	ASH	L678106
Tetrachloroethene	<0.0009	mg/Kg - dry	0.0009	0.0025	1	04/24/23 15:41	ASH	L678106
Toluene	<0.0041	mg/Kg - dry	0.0041	0.0050	1	04/24/23 15:41	ASH	L678106
1,2,3-Trichlorobenzene	<0.0025	mg/Kg - dry	0.0025	0.0025	1	04/24/23 15:41	ASH	L678106
1,2,4-Trichlorobenzene	<0.0014	mg/Kg - dry	0.0014	0.0025	1	04/24/23 15:41	ASH	L678106
1,1,1-Trichloroethane	<0.0004	mg/Kg - dry	0.0004	0.0025	1	04/24/23 15:41	ASH	L678106
1,1,2-Trichloroethane	<0.0012	mg/Kg - dry	0.0012	0.0025	1	04/24/23 15:41	ASH	L678106

Qualifiers/ Definitions
DF Dilution Factor
MQL Method Quantitation Limit
J Estimated value

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Project Legends Park
Information : 198 N. Pauline-Memphis, TN
Project No. 0888834617

Report Date : 04/27/2023
Received : 04/20/2023

Rebekah Ross
Project Manager

Report Number : **23-111-0040**

REPORT OF ANALYSIS

Lab No : **99814**
Sample ID : **LEGSSB32-01**

Matrix: **Solids**
Sampled: **4/20/2023 11:02**

Analytical Method: 8260B **Prep Batch(es):** **L678061** 04/24/23 08:09
Prep Method: 5035

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Batch
Trichloroethene	<0.0011	mg/Kg - dry	0.0011	0.0025	1	04/24/23 15:41	ASH	L678106
Trichlorofluoromethane	<0.0011	mg/Kg - dry	0.0011	0.0025	1	04/24/23 15:41	ASH	L678106
1,2,3-Trichloropropane	<0.0019	mg/Kg - dry	0.0019	0.0025	1	04/24/23 15:41	ASH	L678106
1,2,4-Trimethylbenzene	<0.0010	mg/Kg - dry	0.0010	0.0025	1	04/24/23 15:41	ASH	L678106
1,3,5-Trimethylbenzene	<0.0011	mg/Kg - dry	0.0011	0.0025	1	04/24/23 15:41	ASH	L678106
Vinyl Acetate	<0.0050	mg/Kg - dry	0.0050	0.0503	1	04/24/23 15:41	ASH	L678106
Vinyl Chloride	<0.0009	mg/Kg - dry	0.0009	0.0025	1	04/24/23 15:41	ASH	L678106
Xylene (Total)	<0.0009	mg/Kg - dry	0.0009	0.0025	1	04/24/23 15:41	KCC	L678106
Surrogate: 4-Bromofluorobenzene	90.0		Limits: 60-140%		1	04/24/23 15:41	ASH	L678106
Surrogate: 1,2-Dichloroethane - d4	115		Limits: 60-140%		1	04/24/23 15:41	ASH	L678106
Surrogate: Toluene-d8	87.1		Limits: 60-140%		1	04/24/23 15:41	ASH	L678106

Qualifiers/ Definitions
DF Dilution Factor
MQL Method Quantitation Limit
J Estimated value

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Report Date : 04/27/2023
Received : 04/20/2023

Rebekah Ross
Project Manager

Report Number : **23-111-0040**

REPORT OF ANALYSIS

Lab No : **99815**
Sample ID : **LEGSSB33-01**

Matrix: **Solids**
Sampled: **4/20/2023 11:17**

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Method
Moisture	**16.7**	%			1	04/24/23 16:00	JLS	SW-DRYWT
Arsenic	**9.47**	mg/Kg - dry	0.288	0.600	1	04/26/23 03:33	BKN	6010D
Barium	**104**	mg/Kg - dry	0.156	0.600	1	04/26/23 03:33	BKN	6010D
Cadmium	**0.415**	mg/Kg - dry	0.0240	0.120	1	04/26/23 03:33	BKN	6010D
Chromium	**15.4**	mg/Kg - dry	0.283	0.300	1	04/26/23 03:33	BKN	6010D
Lead	**17.4**	mg/Kg - dry	0.216	0.360	1	04/26/23 03:33	BKN	6010D
Mercury	**0.0687 J**	mg/Kg - dry	0.0274	0.227	1	04/27/23 13:02	FDS	7471A
Selenium	<0.384	mg/Kg - dry	0.384	0.600	1	04/26/23 03:33	BKN	6010D
Silver	<0.960	mg/Kg - dry	0.960	1.50	5	04/26/23 20:58	BKN	6010D

Qualifiers/ Definitions

DF Dilution Factor
MQL Method Quantitation Limit
J Estimated value

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Project Legends Park
Information : 198 N. Pauline-Memphis, TN
Project No. 0888834617

Report Date : 04/27/2023
Received : 04/20/2023

Rebekah Ross
Project Manager

Report Number : **23-111-0040**

REPORT OF ANALYSIS

Lab No : **99815**
Sample ID : **LEGSSB33-01**

Matrix: **Solids**
Sampled: **4/20/2023 11:17**

Analytical Method: 8260B **Prep Batch(es):** **L678061** 04/24/23 08:09
Prep Method: 5035

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Batch
Acetone	**0.0773**	mg/Kg - dry	0.0052	0.0480	1	04/24/23 16:19	ASH	L678106
Acetonitrile	<0.0626	mg/Kg - dry	0.0626	0.240	1	04/24/23 16:19	ASH	L678106
Acrolein	<0.0099	mg/Kg - dry	0.0099	0.0480	1	04/24/23 16:19	ASH	L678106
Acrylonitrile	<0.0045	mg/Kg - dry	0.0045	0.0480	1	04/24/23 16:19	ASH	L678106
Benzene	<0.0004	mg/Kg - dry	0.0004	0.0024	1	04/24/23 16:19	ASH	L678106
Bromobenzene	<0.0009	mg/Kg - dry	0.0009	0.0024	1	04/24/23 16:19	ASH	L678106
Bromochloromethane	<0.0005	mg/Kg - dry	0.0005	0.0024	1	04/24/23 16:19	ASH	L678106
Bromodichloromethane	<0.0009	mg/Kg - dry	0.0009	0.0024	1	04/24/23 16:19	ASH	L678106
Bromoform	<0.0015	mg/Kg - dry	0.0015	0.0024	1	04/24/23 16:19	ASH	L678106
Bromomethane	<0.0019	mg/Kg - dry	0.0019	0.0024	1	04/24/23 16:19	ASH	L678106
Methyl Ethyl Ketone (MEK)	**0.0064 J**	mg/Kg - dry	0.0045	0.0480	1	04/24/23 16:19	ASH	L678106
n-Butylbenzene	<0.0011	mg/Kg - dry	0.0011	0.0024	1	04/24/23 16:19	ASH	L678106
sec-Butyl benzene	<0.0011	mg/Kg - dry	0.0011	0.0024	1	04/24/23 16:19	ASH	L678106
tert-Butyl benzene	<0.0008	mg/Kg - dry	0.0008	0.0024	1	04/24/23 16:19	ASH	L678106
Carbon Disulfide	**0.0154**	mg/Kg - dry	0.0034	0.0120	1	04/24/23 16:19	ASH	L678106
Carbon Tetrachloride	<0.0004	mg/Kg - dry	0.0004	0.0024	1	04/24/23 16:19	ASH	L678106
Chlorobenzene	<0.0009	mg/Kg - dry	0.0009	0.0024	1	04/24/23 16:19	ASH	L678106
Chlorodibromomethane	<0.0012	mg/Kg - dry	0.0012	0.0024	1	04/24/23 16:19	ASH	L678106
Chloroethane	<0.0010	mg/Kg - dry	0.0010	0.0024	1	04/24/23 16:19	ASH	L678106
Chloroform	<0.0006	mg/Kg - dry	0.0006	0.0024	1	04/24/23 16:19	ASH	L678106
Chloromethane	<0.0008	mg/Kg - dry	0.0008	0.0024	1	04/24/23 16:19	ASH	L678106
2-Chlorotoluene	<0.0011	mg/Kg - dry	0.0011	0.0024	1	04/24/23 16:19	ASH	L678106

Qualifiers/ Definitions
DF Dilution Factor
MQL Method Quantitation Limit
J Estimated value

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Project Legends Park

Information : 198 N. Pauline-Memphis, TN
Project No. 0888834617

Report Date : 04/27/2023
Received : 04/20/2023

Rebekah Ross
Project Manager

Report Number : **23-111-0040**

REPORT OF ANALYSIS

Lab No : **99815**
Sample ID : **LEGSSB33-01**

Matrix: **Solids**
Sampled: **4/20/2023 11:17**

Analytical Method: 8260B **Prep Batch(es):** **L678061** 04/24/23 08:09
Prep Method: 5035

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Batch
4-Chlorotoluene	<0.0012	mg/Kg - dry	0.0012	0.0024	1	04/24/23 16:19	ASH	L678106
1,2-Dibromo-3-Chloropropane	<0.0079	mg/Kg - dry	0.0079	0.0120	1	04/24/23 16:19	ASH	L678106
1,2-Dibromoethane	<0.0010	mg/Kg - dry	0.0010	0.0024	1	04/24/23 16:19	ASH	L678106
Dibromomethane	<0.0008	mg/Kg - dry	0.0008	0.0024	1	04/24/23 16:19	ASH	L678106
1,2-Dichlorobenzene	<0.0016	mg/Kg - dry	0.0016	0.0024	1	04/24/23 16:19	ASH	L678106
1,3-Dichlorobenzene	<0.0016	mg/Kg - dry	0.0016	0.0024	1	04/24/23 16:19	ASH	L678106
1,4-Dichlorobenzene	<0.0018	mg/Kg - dry	0.0018	0.0024	1	04/24/23 16:19	ASH	L678106
Dichlorodifluoromethane	<0.0022	mg/Kg - dry	0.0022	0.0024	1	04/24/23 16:19	ASH	L678106
1,1-Dichloroethane	<0.0004	mg/Kg - dry	0.0004	0.0024	1	04/24/23 16:19	ASH	L678106
1,2-Dichloroethane	<0.0005	mg/Kg - dry	0.0005	0.0024	1	04/24/23 16:19	ASH	L678106
1,1-Dichloroethene	<0.0006	mg/Kg - dry	0.0006	0.0024	1	04/24/23 16:19	ASH	L678106
cis-1,2-Dichloroethene	<0.0006	mg/Kg - dry	0.0006	0.0024	1	04/24/23 16:19	ASH	L678106
trans-1,2-Dichloroethene	<0.0003	mg/Kg - dry	0.0003	0.0024	1	04/24/23 16:19	ASH	L678106
1,2-Dichloroethene (Total)	<0.0003	mg/Kg - dry	0.0003	0.0024	1	04/24/23 16:19		L678106
1,2-Dichloropropane	<0.0007	mg/Kg - dry	0.0007	0.0024	1	04/24/23 16:19	ASH	L678106
1,3-Dichloropropane	<0.0010	mg/Kg - dry	0.0010	0.0024	1	04/24/23 16:19	ASH	L678106
2,2-Dichloropropane	<0.0006	mg/Kg - dry	0.0006	0.0024	1	04/24/23 16:19	ASH	L678106
1,1-Dichloropropene	<0.0004	mg/Kg - dry	0.0004	0.0024	1	04/24/23 16:19	ASH	L678106
cis-1,3-Dichloropropene	<0.0009	mg/Kg - dry	0.0009	0.0024	1	04/24/23 16:19	ASH	L678106
trans-1,3-Dichloropropene	<0.0009	mg/Kg - dry	0.0009	0.0024	1	04/24/23 16:19	ASH	L678106
Ethyl Acetate	<0.0072	mg/Kg - dry	0.0072	0.0480	1	04/24/23 16:19	ASH	L678106
Ethylbenzene	<0.0007	mg/Kg - dry	0.0007	0.0024	1	04/24/23 16:19	ASH	L678106

Qualifiers/ Definitions

DF Dilution Factor
MQL Method Quantitation Limit
J Estimated value

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Project Legends Park

Information : 198 N. Pauline-Memphis, TN
Project No. 0888834617

Report Date : 04/27/2023
Received : 04/20/2023

Rebekah Ross
Project Manager

Report Number : **23-111-0040**

REPORT OF ANALYSIS

Lab No : **99815**
Sample ID : **LEGSSB33-01**

Matrix: **Solids**
Sampled: **4/20/2023 11:17**

Analytical Method: 8260B **Prep Batch(es):** **L678061** 04/24/23 08:09
Prep Method: 5035

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Batch
Hexachlorobutadiene	<0.0011	mg/Kg - dry	0.0011	0.0024	1	04/24/23 16:19	ASH	L678106
2-Hexanone	<0.0072	mg/Kg - dry	0.0072	0.0120	1	04/24/23 16:19	ASH	L678106
Iodomethane	<0.0054	mg/Kg - dry	0.0054	0.0120	1	04/24/23 16:19	ASH	L678106
Isopropylbenzene	<0.0009	mg/Kg - dry	0.0009	0.0024	1	04/24/23 16:19	ASH	L678106
4-Isopropyl toluene	<0.0011	mg/Kg - dry	0.0011	0.0024	1	04/24/23 16:19	ASH	L678106
4-Methyl-2-Pentanone	<0.0070	mg/Kg - dry	0.0070	0.0120	1	04/24/23 16:19	ASH	L678106
Methylene Chloride	<0.0033	mg/Kg - dry	0.0033	0.0120	1	04/24/23 16:19	ASH	L678106
Methyl tert-butyl ether (MTBE)	<0.0007	mg/Kg - dry	0.0007	0.0024	1	04/24/23 16:19	ASH	L678106
m,p-Xylene	<0.0017	mg/Kg - dry	0.0017	0.0048	1	04/24/23 16:19	ASH	L678106
Naphthalene	<0.0075	mg/Kg - dry	0.0075	0.0120	1	04/24/23 16:19	ASH	L678106
o-Xylene	<0.0009	mg/Kg - dry	0.0009	0.0024	1	04/24/23 16:19	ASH	L678106
n-Propyl acetate	<0.0081	mg/Kg - dry	0.0081	0.0120	1	04/24/23 16:19	ASH	L678106
n-Propylbenzene	<0.0007	mg/Kg - dry	0.0007	0.0024	1	04/24/23 16:19	ASH	L678106
Styrene	<0.0013	mg/Kg - dry	0.0013	0.0024	1	04/24/23 16:19	ASH	L678106
1,1,1,2-Tetrachloroethane	<0.0010	mg/Kg - dry	0.0010	0.0024	1	04/24/23 16:19	ASH	L678106
1,1,2,2-Tetrachloroethane	<0.0022	mg/Kg - dry	0.0022	0.0024	1	04/24/23 16:19	ASH	L678106
Tetrachloroethene	<0.0009	mg/Kg - dry	0.0009	0.0024	1	04/24/23 16:19	ASH	L678106
Toluene	<0.0039	mg/Kg - dry	0.0039	0.0048	1	04/24/23 16:19	ASH	L678106
1,2,3-Trichlorobenzene	<0.0024	mg/Kg - dry	0.0024	0.0024	1	04/24/23 16:19	ASH	L678106
1,2,4-Trichlorobenzene	<0.0013	mg/Kg - dry	0.0013	0.0024	1	04/24/23 16:19	ASH	L678106
1,1,1-Trichloroethane	<0.0004	mg/Kg - dry	0.0004	0.0024	1	04/24/23 16:19	ASH	L678106
1,1,2-Trichloroethane	<0.0012	mg/Kg - dry	0.0012	0.0024	1	04/24/23 16:19	ASH	L678106

Qualifiers/ Definitions

DF Dilution Factor
MQL Method Quantitation Limit
J Estimated value

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Project Legends Park
Information : 198 N. Pauline-Memphis, TN
Project No. 0888834617

Report Date : 04/27/2023
Received : 04/20/2023

Rebekah Ross
Project Manager

Report Number : **23-111-0040**

REPORT OF ANALYSIS

Lab No : **99815**
Sample ID : **LEGSSB33-01**

Matrix: **Solids**
Sampled: **4/20/2023 11:17**

Analytical Method: 8260B **Prep Batch(es):** **L678061** 04/24/23 08:09
Prep Method: 5035

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Batch
Trichloroethene	<0.0010	mg/Kg - dry	0.0010	0.0024	1	04/24/23 16:19	ASH	L678106
Trichlorofluoromethane	<0.0010	mg/Kg - dry	0.0010	0.0024	1	04/24/23 16:19	ASH	L678106
1,2,3-Trichloropropane	<0.0018	mg/Kg - dry	0.0018	0.0024	1	04/24/23 16:19	ASH	L678106
1,2,4-Trimethylbenzene	<0.0009	mg/Kg - dry	0.0009	0.0024	1	04/24/23 16:19	ASH	L678106
1,3,5-Trimethylbenzene	<0.0010	mg/Kg - dry	0.0010	0.0024	1	04/24/23 16:19	ASH	L678106
Vinyl Acetate	<0.0048	mg/Kg - dry	0.0048	0.0480	1	04/24/23 16:19	ASH	L678106
Vinyl Chloride	<0.0008	mg/Kg - dry	0.0008	0.0024	1	04/24/23 16:19	ASH	L678106
Xylene (Total)	<0.0009	mg/Kg - dry	0.0009	0.0024	1	04/24/23 16:19	KCC	L678106
Surrogate: 4-Bromofluorobenzene	90.4		Limits: 60-140%		1	04/24/23 16:19	ASH	L678106
Surrogate: 1,2-Dichloroethane - d4	113		Limits: 60-140%		1	04/24/23 16:19	ASH	L678106
Surrogate: Toluene-d8	86.5		Limits: 60-140%		1	04/24/23 16:19	ASH	L678106

Qualifiers/ Definitions
DF Dilution Factor
MQL Method Quantitation Limit
J Estimated value

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Project No. 0888834617

Report Date : 04/27/2023
Received : 04/20/2023

Rebekah Ross
Project Manager

Report Number : **23-111-0040**

REPORT OF ANALYSIS

Lab No : **99816**
Sample ID : **LEGSSB33-03**

Matrix: **Solids**
Sampled: **4/20/2023 11:21**

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Method
Moisture	**17.9**	%			1	04/24/23 16:00	JLS	SW-DRYWT
Arsenic	**7.84**	mg/Kg - dry	0.292	0.609	1	04/26/23 03:39	BKN	6010D
Barium	**122**	mg/Kg - dry	0.158	0.609	1	04/26/23 03:39	BKN	6010D
Cadmium	**0.397**	mg/Kg - dry	0.0243	0.122	1	04/26/23 03:39	BKN	6010D
Chromium	**13.5**	mg/Kg - dry	0.287	0.304	1	04/26/23 03:39	BKN	6010D
Lead	**26.9**	mg/Kg - dry	0.219	0.365	1	04/26/23 03:39	BKN	6010D
Mercury	**0.0760 J**	mg/Kg - dry	0.0256	0.212	1	04/27/23 13:03	FDS	7471A
Selenium	<0.389	mg/Kg - dry	0.389	0.609	1	04/26/23 03:39	BKN	6010D
Silver	<0.974	mg/Kg - dry	0.974	1.52	5	04/26/23 21:03	BKN	6010D

Qualifiers/ Definitions

DF Dilution Factor
MQL Method Quantitation Limit
J Estimated value

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Report Date : 04/27/2023
Received : 04/20/2023

Rebekah Ross
Project Manager

Report Number : **23-111-0040**

REPORT OF ANALYSIS

Lab No : **99816**
Sample ID : **LEGSSB33-03**

Matrix: **Solids**
Sampled: **4/20/2023 11:21**

Analytical Method: 8260B **Prep Batch(es):** **L678061** 04/24/23 08:09
Prep Method: 5035

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Batch
Acetone	**0.175**	mg/Kg - dry	0.0056	0.0515	1	04/24/23 16:52	ASH	L678106
Acetonitrile	<0.0671	mg/Kg - dry	0.0671	0.257	1	04/24/23 16:52	ASH	L678106
Acrolein	<0.0106	mg/Kg - dry	0.0106	0.0515	1	04/24/23 16:52	ASH	L678106
Acrylonitrile	<0.0048	mg/Kg - dry	0.0048	0.0515	1	04/24/23 16:52	ASH	L678106
Benzene	<0.0005	mg/Kg - dry	0.0005	0.0025	1	04/24/23 16:52	ASH	L678106
Bromobenzene	<0.0009	mg/Kg - dry	0.0009	0.0025	1	04/24/23 16:52	ASH	L678106
Bromochloromethane	<0.0005	mg/Kg - dry	0.0005	0.0025	1	04/24/23 16:52	ASH	L678106
Bromodichloromethane	<0.0010	mg/Kg - dry	0.0010	0.0025	1	04/24/23 16:52	ASH	L678106
Bromoform	<0.0016	mg/Kg - dry	0.0016	0.0025	1	04/24/23 16:52	ASH	L678106
Bromomethane	<0.0020	mg/Kg - dry	0.0020	0.0025	1	04/24/23 16:52	ASH	L678106
Methyl Ethyl Ketone (MEK)	**0.0174 J**	mg/Kg - dry	0.0049	0.0515	1	04/24/23 16:52	ASH	L678106
n-Butylbenzene	<0.0012	mg/Kg - dry	0.0012	0.0025	1	04/24/23 16:52	ASH	L678106
sec-Butyl benzene	<0.0012	mg/Kg - dry	0.0012	0.0025	1	04/24/23 16:52	ASH	L678106
tert-Butyl benzene	<0.0009	mg/Kg - dry	0.0009	0.0025	1	04/24/23 16:52	ASH	L678106
Carbon Disulfide	**0.0144**	mg/Kg - dry	0.0036	0.0129	1	04/24/23 16:52	ASH	L678106
Carbon Tetrachloride	<0.0005	mg/Kg - dry	0.0005	0.0025	1	04/24/23 16:52	ASH	L678106
Chlorobenzene	<0.0010	mg/Kg - dry	0.0010	0.0025	1	04/24/23 16:52	ASH	L678106
Chlorodibromomethane	<0.0013	mg/Kg - dry	0.0013	0.0025	1	04/24/23 16:52	ASH	L678106
Chloroethane	<0.0010	mg/Kg - dry	0.0010	0.0025	1	04/24/23 16:52	ASH	L678106
Chloroform	<0.0006	mg/Kg - dry	0.0006	0.0025	1	04/24/23 16:52	ASH	L678106
Chloromethane	<0.0009	mg/Kg - dry	0.0009	0.0025	1	04/24/23 16:52	ASH	L678106
2-Chlorotoluene	<0.0012	mg/Kg - dry	0.0012	0.0025	1	04/24/23 16:52	ASH	L678106

Qualifiers/ Definitions
DF Dilution Factor
MQL Method Quantitation Limit
J Estimated value

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Memphis , TN 38134

Project Legends Park

Information : 198 N. Pauline-Memphis, TN
Project No. 0888834617

Report Date : 04/27/2023
Received : 04/20/2023

Rebekah Ross
Project Manager

Report Number : **23-111-0040**

REPORT OF ANALYSIS

Lab No : **99816**
Sample ID : **LEGSSB33-03**

Matrix: **Solids**
Sampled: **4/20/2023 11:21**

Analytical Method: 8260B **Prep Batch(es):** **L678061** 04/24/23 08:09
Prep Method: 5035

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Batch
4-Chlorotoluene	<0.0013	mg/Kg - dry	0.0013	0.0025	1	04/24/23 16:52	ASH	L678106
1,2-Dibromo-3-Chloropropane	<0.0085	mg/Kg - dry	0.0085	0.0129	1	04/24/23 16:52	ASH	L678106
1,2-Dibromoethane	<0.0011	mg/Kg - dry	0.0011	0.0025	1	04/24/23 16:52	ASH	L678106
Dibromomethane	<0.0008	mg/Kg - dry	0.0008	0.0025	1	04/24/23 16:52	ASH	L678106
1,2-Dichlorobenzene	<0.0018	mg/Kg - dry	0.0018	0.0025	1	04/24/23 16:52	ASH	L678106
1,3-Dichlorobenzene	<0.0017	mg/Kg - dry	0.0017	0.0025	1	04/24/23 16:52	ASH	L678106
1,4-Dichlorobenzene	<0.0019	mg/Kg - dry	0.0019	0.0025	1	04/24/23 16:52	ASH	L678106
Dichlorodifluoromethane	<0.0024	mg/Kg - dry	0.0024	0.0025	1	04/24/23 16:52	ASH	L678106
1,1-Dichloroethane	<0.0004	mg/Kg - dry	0.0004	0.0025	1	04/24/23 16:52	ASH	L678106
1,2-Dichloroethane	<0.0005	mg/Kg - dry	0.0005	0.0025	1	04/24/23 16:52	ASH	L678106
1,1-Dichloroethene	<0.0007	mg/Kg - dry	0.0007	0.0025	1	04/24/23 16:52	ASH	L678106
cis-1,2-Dichloroethene	<0.0006	mg/Kg - dry	0.0006	0.0025	1	04/24/23 16:52	ASH	L678106
trans-1,2-Dichloroethene	<0.0003	mg/Kg - dry	0.0003	0.0025	1	04/24/23 16:52	ASH	L678106
1,2-Dichloroethene (Total)	<0.0003	mg/Kg - dry	0.0003	0.0025	1	04/24/23 16:52		L678106
1,2-Dichloropropane	<0.0008	mg/Kg - dry	0.0008	0.0025	1	04/24/23 16:52	ASH	L678106
1,3-Dichloropropane	<0.0011	mg/Kg - dry	0.0011	0.0025	1	04/24/23 16:52	ASH	L678106
2,2-Dichloropropane	<0.0007	mg/Kg - dry	0.0007	0.0025	1	04/24/23 16:52	ASH	L678106
1,1-Dichloropropene	<0.0004	mg/Kg - dry	0.0004	0.0025	1	04/24/23 16:52	ASH	L678106
cis-1,3-Dichloropropene	<0.0010	mg/Kg - dry	0.0010	0.0025	1	04/24/23 16:52	ASH	L678106
trans-1,3-Dichloropropene	<0.0009	mg/Kg - dry	0.0009	0.0025	1	04/24/23 16:52	ASH	L678106
Ethyl Acetate	<0.0077	mg/Kg - dry	0.0077	0.0515	1	04/24/23 16:52	ASH	L678106
Ethylbenzene	<0.0008	mg/Kg - dry	0.0008	0.0025	1	04/24/23 16:52	ASH	L678106

Qualifiers/ Definitions

DF Dilution Factor
MQL Method Quantitation Limit
J Estimated value

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Project Legends Park

Information : 198 N. Pauline-Memphis, TN
Project No. 0888834617

Report Date : 04/27/2023
Received : 04/20/2023

Rebekah Ross
Project Manager

Report Number : **23-111-0040**

REPORT OF ANALYSIS

Lab No : **99816**
Sample ID : **LEGSSB33-03**

Matrix: **Solids**
Sampled: **4/20/2023 11:21**

Analytical Method: 8260B **Prep Batch(es):** **L678061** 04/24/23 08:09
Prep Method: 5035

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Batch
Hexachlorobutadiene	<0.0011	mg/Kg - dry	0.0011	0.0025	1	04/24/23 16:52	ASH	L678106
2-Hexanone	<0.0077	mg/Kg - dry	0.0077	0.0129	1	04/24/23 16:52	ASH	L678106
Iodomethane	<0.0058	mg/Kg - dry	0.0058	0.0129	1	04/24/23 16:52	ASH	L678106
Isopropylbenzene	<0.0009	mg/Kg - dry	0.0009	0.0025	1	04/24/23 16:52	ASH	L678106
4-Isopropyl toluene	<0.0012	mg/Kg - dry	0.0012	0.0025	1	04/24/23 16:52	ASH	L678106
4-Methyl-2-Pentanone	<0.0075	mg/Kg - dry	0.0075	0.0129	1	04/24/23 16:52	ASH	L678106
Methylene Chloride	<0.0035	mg/Kg - dry	0.0035	0.0129	1	04/24/23 16:52	ASH	L678106
Methyl tert-butyl ether (MTBE)	<0.0007	mg/Kg - dry	0.0007	0.0025	1	04/24/23 16:52	ASH	L678106
m,p-Xylene	<0.0018	mg/Kg - dry	0.0018	0.0051	1	04/24/23 16:52	ASH	L678106
Naphthalene	<0.0081	mg/Kg - dry	0.0081	0.0129	1	04/24/23 16:52	ASH	L678106
o-Xylene	<0.0010	mg/Kg - dry	0.0010	0.0025	1	04/24/23 16:52	ASH	L678106
n-Propyl acetate	<0.0087	mg/Kg - dry	0.0087	0.0129	1	04/24/23 16:52	ASH	L678106
n-Propylbenzene	<0.0008	mg/Kg - dry	0.0008	0.0025	1	04/24/23 16:52	ASH	L678106
Styrene	<0.0014	mg/Kg - dry	0.0014	0.0025	1	04/24/23 16:52	ASH	L678106
1,1,1,2-Tetrachloroethane	<0.0011	mg/Kg - dry	0.0011	0.0025	1	04/24/23 16:52	ASH	L678106
1,1,2,2-Tetrachloroethane	<0.0023	mg/Kg - dry	0.0023	0.0025	1	04/24/23 16:52	ASH	L678106
Tetrachloroethene	<0.0010	mg/Kg - dry	0.0010	0.0025	1	04/24/23 16:52	ASH	L678106
Toluene	<0.0042	mg/Kg - dry	0.0042	0.0051	1	04/24/23 16:52	ASH	L678106
1,2,3-Trichlorobenzene	<0.0025	mg/Kg - dry	0.0025	0.0025	1	04/24/23 16:52	ASH	L678106
1,2,4-Trichlorobenzene	<0.0014	mg/Kg - dry	0.0014	0.0025	1	04/24/23 16:52	ASH	L678106
1,1,1-Trichloroethane	<0.0005	mg/Kg - dry	0.0005	0.0025	1	04/24/23 16:52	ASH	L678106
1,1,2-Trichloroethane	<0.0013	mg/Kg - dry	0.0013	0.0025	1	04/24/23 16:52	ASH	L678106

Qualifiers/ Definitions

DF Dilution Factor
MQL Method Quantitation Limit
J Estimated value

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Project Legends Park
Information : 198 N. Pauline-Memphis, TN
Project No. 0888834617

Report Date : 04/27/2023
Received : 04/20/2023

Rebekah Ross
Project Manager

Report Number : **23-111-0040**

REPORT OF ANALYSIS

Lab No : **99816**
Sample ID : **LEGSSB33-03**

Matrix: **Solids**
Sampled: **4/20/2023 11:21**

Analytical Method: 8260B **Prep Batch(es):** **L678061** 04/24/23 08:09
Prep Method: 5035

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Batch
Trichloroethene	<0.0011	mg/Kg - dry	0.0011	0.0025	1	04/24/23 16:52	ASH	L678106
Trichlorofluoromethane	<0.0011	mg/Kg - dry	0.0011	0.0025	1	04/24/23 16:52	ASH	L678106
1,2,3-Trichloropropane	<0.0019	mg/Kg - dry	0.0019	0.0025	1	04/24/23 16:52	ASH	L678106
1,2,4-Trimethylbenzene	<0.0010	mg/Kg - dry	0.0010	0.0025	1	04/24/23 16:52	ASH	L678106
1,3,5-Trimethylbenzene	<0.0011	mg/Kg - dry	0.0011	0.0025	1	04/24/23 16:52	ASH	L678106
Vinyl Acetate	<0.0052	mg/Kg - dry	0.0052	0.0515	1	04/24/23 16:52	ASH	L678106
Vinyl Chloride	<0.0009	mg/Kg - dry	0.0009	0.0025	1	04/24/23 16:52	ASH	L678106
Xylene (Total)	<0.0010	mg/Kg - dry	0.0010	0.0025	1	04/24/23 16:52	KCC	L678106
Surrogate: 4-Bromofluorobenzene	94.2		Limits: 60-140%		1	04/24/23 16:52	ASH	L678106
Surrogate: 1,2-Dichloroethane - d4	134		Limits: 60-140%		1	04/24/23 16:52	ASH	L678106
Surrogate: Toluene-d8	101		Limits: 60-140%		1	04/24/23 16:52	ASH	L678106

Qualifiers/ Definitions
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Received : 04/20/2023

Rebekah Ross
Project Manager

Report Number : **23-111-0040**

REPORT OF ANALYSIS

Lab No : **99817**
Sample ID : **LEGSSB34-01**

Matrix: **Solids**
Sampled: **4/20/2023 11:40**

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Method
Moisture	**16.9**	%			1	04/24/23 16:00	JLS	SW-DRYWT
Arsenic	**8.97**	mg/Kg - dry	0.288	0.601	1	04/26/23 03:54	BKN	6010D
Barium	**124**	mg/Kg - dry	0.156	0.601	1	04/26/23 03:54	BKN	6010D
Cadmium	**0.485**	mg/Kg - dry	0.0240	0.120	1	04/26/23 03:54	BKN	6010D
Chromium	**14.0**	mg/Kg - dry	0.283	0.300	1	04/26/23 03:54	BKN	6010D
Lead	**33.3**	mg/Kg - dry	0.216	0.361	1	04/26/23 03:54	BKN	6010D
Mercury	**0.0957 J**	mg/Kg - dry	0.0267	0.221	1	04/27/23 13:04	FDS	7471A
Selenium	**0.472 J**	mg/Kg - dry	0.385	0.601	1	04/26/23 03:54	BKN	6010D
Silver	<0.963	mg/Kg - dry	0.963	1.50	5	04/26/23 21:08	BKN	6010D

Qualifiers/ Definitions

DF Dilution Factor
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J Estimated value

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Project Legends Park

Information : 198 N. Pauline-Memphis, TN
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Report Date : 04/27/2023
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Rebekah Ross
Project Manager

Report Number : **23-111-0040**

REPORT OF ANALYSIS

Lab No : **99817**
Sample ID : **LEGSSB34-01**

Matrix: **Solids**
Sampled: **4/20/2023 11:40**

Analytical Method: 8260B **Prep Batch(es):** **L678061** 04/24/23 08:09
Prep Method: 5035

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Batch
Acetone	**0.111**	mg/Kg - dry	0.0052	0.0481	1	04/24/23 17:25	ASH	L678106
Acetonitrile	<0.0628	mg/Kg - dry	0.0628	0.241	1	04/24/23 17:25	ASH	L678106
Acrolein	<0.0099	mg/Kg - dry	0.0099	0.0481	1	04/24/23 17:25	ASH	L678106
Acrylonitrile	<0.0045	mg/Kg - dry	0.0045	0.0481	1	04/24/23 17:25	ASH	L678106
Benzene	<0.0004	mg/Kg - dry	0.0004	0.0024	1	04/24/23 17:25	ASH	L678106
Bromobenzene	<0.0009	mg/Kg - dry	0.0009	0.0024	1	04/24/23 17:25	ASH	L678106
Bromochloromethane	<0.0005	mg/Kg - dry	0.0005	0.0024	1	04/24/23 17:25	ASH	L678106
Bromodichloromethane	<0.0009	mg/Kg - dry	0.0009	0.0024	1	04/24/23 17:25	ASH	L678106
Bromoform	<0.0015	mg/Kg - dry	0.0015	0.0024	1	04/24/23 17:25	ASH	L678106
Bromomethane	<0.0019	mg/Kg - dry	0.0019	0.0024	1	04/24/23 17:25	ASH	L678106
Methyl Ethyl Ketone (MEK)	**0.0110 J**	mg/Kg - dry	0.0045	0.0481	1	04/24/23 17:25	ASH	L678106
n-Butylbenzene	<0.0011	mg/Kg - dry	0.0011	0.0024	1	04/24/23 17:25	ASH	L678106
sec-Butyl benzene	<0.0011	mg/Kg - dry	0.0011	0.0024	1	04/24/23 17:25	ASH	L678106
tert-Butyl benzene	<0.0008	mg/Kg - dry	0.0008	0.0024	1	04/24/23 17:25	ASH	L678106
Carbon Disulfide	**0.0164**	mg/Kg - dry	0.0034	0.0120	1	04/24/23 17:25	ASH	L678106
Carbon Tetrachloride	<0.0004	mg/Kg - dry	0.0004	0.0024	1	04/24/23 17:25	ASH	L678106
Chlorobenzene	<0.0009	mg/Kg - dry	0.0009	0.0024	1	04/24/23 17:25	ASH	L678106
Chlorodibromomethane	<0.0012	mg/Kg - dry	0.0012	0.0024	1	04/24/23 17:25	ASH	L678106
Chloroethane	<0.0010	mg/Kg - dry	0.0010	0.0024	1	04/24/23 17:25	ASH	L678106
Chloroform	<0.0006	mg/Kg - dry	0.0006	0.0024	1	04/24/23 17:25	ASH	L678106
Chloromethane	<0.0008	mg/Kg - dry	0.0008	0.0024	1	04/24/23 17:25	ASH	L678106
2-Chlorotoluene	<0.0011	mg/Kg - dry	0.0011	0.0024	1	04/24/23 17:25	ASH	L678106

Qualifiers/ Definitions

DF Dilution Factor
MQL Method Quantitation Limit
J Estimated value

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Report Date : 04/27/2023
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Rebekah Ross
Project Manager

Report Number : **23-111-0040**

REPORT OF ANALYSIS

Lab No : **99817**
Sample ID : **LEGSSB34-01**

Matrix: **Solids**
Sampled: **4/20/2023 11:40**

Analytical Method: 8260B **Prep Batch(es):** **L678061** 04/24/23 08:09
Prep Method: 5035

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Batch
4-Chlorotoluene	<0.0012	mg/Kg - dry	0.0012	0.0024	1	04/24/23 17:25	ASH	L678106
1,2-Dibromo-3-Chloropropane	<0.0079	mg/Kg - dry	0.0079	0.0120	1	04/24/23 17:25	ASH	L678106
1,2-Dibromoethane	<0.0010	mg/Kg - dry	0.0010	0.0024	1	04/24/23 17:25	ASH	L678106
Dibromomethane	<0.0008	mg/Kg - dry	0.0008	0.0024	1	04/24/23 17:25	ASH	L678106
1,2-Dichlorobenzene	<0.0016	mg/Kg - dry	0.0016	0.0024	1	04/24/23 17:25	ASH	L678106
1,3-Dichlorobenzene	<0.0016	mg/Kg - dry	0.0016	0.0024	1	04/24/23 17:25	ASH	L678106
1,4-Dichlorobenzene	<0.0018	mg/Kg - dry	0.0018	0.0024	1	04/24/23 17:25	ASH	L678106
Dichlorodifluoromethane	<0.0022	mg/Kg - dry	0.0022	0.0024	1	04/24/23 17:25	ASH	L678106
1,1-Dichloroethane	<0.0004	mg/Kg - dry	0.0004	0.0024	1	04/24/23 17:25	ASH	L678106
1,2-Dichloroethane	<0.0005	mg/Kg - dry	0.0005	0.0024	1	04/24/23 17:25	ASH	L678106
1,1-Dichloroethene	<0.0006	mg/Kg - dry	0.0006	0.0024	1	04/24/23 17:25	ASH	L678106
cis-1,2-Dichloroethene	<0.0006	mg/Kg - dry	0.0006	0.0024	1	04/24/23 17:25	ASH	L678106
trans-1,2-Dichloroethene	<0.0003	mg/Kg - dry	0.0003	0.0024	1	04/24/23 17:25	ASH	L678106
1,2-Dichloroethene (Total)	<0.0003	mg/Kg - dry	0.0003	0.0024	1	04/24/23 17:25		L678106
1,2-Dichloropropane	<0.0007	mg/Kg - dry	0.0007	0.0024	1	04/24/23 17:25	ASH	L678106
1,3-Dichloropropane	<0.0010	mg/Kg - dry	0.0010	0.0024	1	04/24/23 17:25	ASH	L678106
2,2-Dichloropropane	<0.0006	mg/Kg - dry	0.0006	0.0024	1	04/24/23 17:25	ASH	L678106
1,1-Dichloropropene	<0.0004	mg/Kg - dry	0.0004	0.0024	1	04/24/23 17:25	ASH	L678106
cis-1,3-Dichloropropene	<0.0009	mg/Kg - dry	0.0009	0.0024	1	04/24/23 17:25	ASH	L678106
trans-1,3-Dichloropropene	<0.0009	mg/Kg - dry	0.0009	0.0024	1	04/24/23 17:25	ASH	L678106
Ethyl Acetate	<0.0072	mg/Kg - dry	0.0072	0.0481	1	04/24/23 17:25	ASH	L678106
Ethylbenzene	<0.0007	mg/Kg - dry	0.0007	0.0024	1	04/24/23 17:25	ASH	L678106

Qualifiers/ Definitions
DF Dilution Factor
MQL Method Quantitation Limit
J Estimated value

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Project Legends Park
Information : 198 N. Pauline-Memphis, TN
Project No. 0888834617

Report Date : 04/27/2023
Received : 04/20/2023

Rebekah Ross
Project Manager

Report Number : **23-111-0040**

REPORT OF ANALYSIS

Lab No : **99817**
Sample ID : **LEGSSB34-01**

Matrix: **Solids**
Sampled: **4/20/2023 11:40**

Analytical Method: 8260B **Prep Batch(es):** **L678061** 04/24/23 08:09
Prep Method: 5035

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Batch
Hexachlorobutadiene	<0.0011	mg/Kg - dry	0.0011	0.0024	1	04/24/23 17:25	ASH	L678106
2-Hexanone	<0.0072	mg/Kg - dry	0.0072	0.0120	1	04/24/23 17:25	ASH	L678106
Iodomethane	<0.0054	mg/Kg - dry	0.0054	0.0120	1	04/24/23 17:25	ASH	L678106
Isopropylbenzene	<0.0009	mg/Kg - dry	0.0009	0.0024	1	04/24/23 17:25	ASH	L678106
4-Isopropyl toluene	<0.0011	mg/Kg - dry	0.0011	0.0024	1	04/24/23 17:25	ASH	L678106
4-Methyl-2-Pentanone	<0.0070	mg/Kg - dry	0.0070	0.0120	1	04/24/23 17:25	ASH	L678106
Methylene Chloride	<0.0033	mg/Kg - dry	0.0033	0.0120	1	04/24/23 17:25	ASH	L678106
Methyl tert-butyl ether (MTBE)	<0.0007	mg/Kg - dry	0.0007	0.0024	1	04/24/23 17:25	ASH	L678106
m,p-Xylene	<0.0017	mg/Kg - dry	0.0017	0.0048	1	04/24/23 17:25	ASH	L678106
Naphthalene	<0.0076	mg/Kg - dry	0.0076	0.0120	1	04/24/23 17:25	ASH	L678106
o-Xylene	<0.0009	mg/Kg - dry	0.0009	0.0024	1	04/24/23 17:25	ASH	L678106
n-Propyl acetate	<0.0081	mg/Kg - dry	0.0081	0.0120	1	04/24/23 17:25	ASH	L678106
n-Propylbenzene	<0.0007	mg/Kg - dry	0.0007	0.0024	1	04/24/23 17:25	ASH	L678106
Styrene	<0.0013	mg/Kg - dry	0.0013	0.0024	1	04/24/23 17:25	ASH	L678106
1,1,1,2-Tetrachloroethane	<0.0010	mg/Kg - dry	0.0010	0.0024	1	04/24/23 17:25	ASH	L678106
1,1,2,2-Tetrachloroethane	<0.0022	mg/Kg - dry	0.0022	0.0024	1	04/24/23 17:25	ASH	L678106
Tetrachloroethene	<0.0009	mg/Kg - dry	0.0009	0.0024	1	04/24/23 17:25	ASH	L678106
Toluene	<0.0039	mg/Kg - dry	0.0039	0.0048	1	04/24/23 17:25	ASH	L678106
1,2,3-Trichlorobenzene	<0.0024	mg/Kg - dry	0.0024	0.0024	1	04/24/23 17:25	ASH	L678106
1,2,4-Trichlorobenzene	<0.0013	mg/Kg - dry	0.0013	0.0024	1	04/24/23 17:25	ASH	L678106
1,1,1-Trichloroethane	<0.0004	mg/Kg - dry	0.0004	0.0024	1	04/24/23 17:25	ASH	L678106
1,1,2-Trichloroethane	<0.0012	mg/Kg - dry	0.0012	0.0024	1	04/24/23 17:25	ASH	L678106

Qualifiers/ Definitions
DF Dilution Factor
MQL Method Quantitation Limit
J Estimated value

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Ms. Allison Harris
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Memphis , TN 38134

Project Legends Park
Information : 198 N. Pauline-Memphis, TN
Project No. 0888834617

Report Date : 04/27/2023
Received : 04/20/2023

Rebekah Ross
Project Manager

Report Number : **23-111-0040**

REPORT OF ANALYSIS

Lab No : **99817**
Sample ID : **LEGSSB34-01**

Matrix: **Solids**
Sampled: **4/20/2023 11:40**

Analytical Method: 8260B **Prep Batch(es):** **L678061** 04/24/23 08:09
Prep Method: 5035

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Batch
Trichloroethene	<0.0010	mg/Kg - dry	0.0010	0.0024	1	04/24/23 17:25	ASH	L678106
Trichlorofluoromethane	<0.0010	mg/Kg - dry	0.0010	0.0024	1	04/24/23 17:25	ASH	L678106
1,2,3-Trichloropropane	<0.0018	mg/Kg - dry	0.0018	0.0024	1	04/24/23 17:25	ASH	L678106
1,2,4-Trimethylbenzene	<0.0009	mg/Kg - dry	0.0009	0.0024	1	04/24/23 17:25	ASH	L678106
1,3,5-Trimethylbenzene	<0.0010	mg/Kg - dry	0.0010	0.0024	1	04/24/23 17:25	ASH	L678106
Vinyl Acetate	<0.0048	mg/Kg - dry	0.0048	0.0481	1	04/24/23 17:25	ASH	L678106
Vinyl Chloride	<0.0008	mg/Kg - dry	0.0008	0.0024	1	04/24/23 17:25	ASH	L678106
Xylene (Total)	<0.0009	mg/Kg - dry	0.0009	0.0024	1	04/24/23 17:25	KCC	L678106
Surrogate: 4-Bromofluorobenzene	95.5		Limits: 60-140%		1	04/24/23 17:25	ASH	L678106
Surrogate: 1,2-Dichloroethane - d4	122		Limits: 60-140%		1	04/24/23 17:25	ASH	L678106
Surrogate: Toluene-d8	96.1		Limits: 60-140%		1	04/24/23 17:25	ASH	L678106

Qualifiers/ Definitions
DF Dilution Factor
MQL Method Quantitation Limit
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Report Date : 04/27/2023
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Rebekah Ross
Project Manager

Report Number : **23-111-0040**

REPORT OF ANALYSIS

Lab No : **99818**
Sample ID : **LEGSSB34-05**

Matrix: **Solids**
Sampled: **4/20/2023 11:46**

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Method
Moisture	**16.5**	%			1	04/24/23 16:00	JLS	SW-DRYWT
Arsenic	**7.62**	mg/Kg - dry	0.287	0.598	1	04/26/23 03:59	BKN	6010D
Barium	**111**	mg/Kg - dry	0.155	0.598	1	04/26/23 03:59	BKN	6010D
Cadmium	**0.404**	mg/Kg - dry	0.0239	0.120	1	04/26/23 03:59	BKN	6010D
Chromium	**15.2**	mg/Kg - dry	0.282	0.299	1	04/26/23 03:59	BKN	6010D
Lead	**21.0**	mg/Kg - dry	0.215	0.359	1	04/26/23 03:59	BKN	6010D
Mercury	**0.0825 J**	mg/Kg - dry	0.0268	0.223	1	04/27/23 13:06	FDS	7471A
Selenium	<0.383	mg/Kg - dry	0.383	0.598	1	04/26/23 03:59	BKN	6010D
Silver	<0.958	mg/Kg - dry	0.958	1.50	5	04/26/23 21:13	BKN	6010D

Qualifiers/ Definitions

DF Dilution Factor
MQL Method Quantitation Limit
J Estimated value

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Report Date : 04/27/2023
Received : 04/20/2023

Rebekah Ross
Project Manager

Report Number : **23-111-0040**

REPORT OF ANALYSIS

Lab No : **99818**
Sample ID : **LEGSSB34-05**

Matrix: **Solids**
Sampled: **4/20/2023 11:46**

Analytical Method: 8260B **Prep Batch(es):** **L678061** 04/24/23 08:09
Prep Method: 5035

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Batch
Acetone	**0.0411 J**	mg/Kg - dry	0.0052	0.0479	1	04/24/23 17:59	ASH	L678106
Acetonitrile	<0.0625	mg/Kg - dry	0.0625	0.240	1	04/24/23 17:59	ASH	L678106
Acrolein	<0.0098	mg/Kg - dry	0.0098	0.0479	1	04/24/23 17:59	ASH	L678106
Acrylonitrile	<0.0045	mg/Kg - dry	0.0045	0.0479	1	04/24/23 17:59	ASH	L678106
Benzene	<0.0004	mg/Kg - dry	0.0004	0.0023	1	04/24/23 17:59	ASH	L678106
Bromobenzene	<0.0008	mg/Kg - dry	0.0008	0.0023	1	04/24/23 17:59	ASH	L678106
Bromochloromethane	<0.0005	mg/Kg - dry	0.0005	0.0023	1	04/24/23 17:59	ASH	L678106
Bromodichloromethane	<0.0009	mg/Kg - dry	0.0009	0.0023	1	04/24/23 17:59	ASH	L678106
Bromoform	<0.0015	mg/Kg - dry	0.0015	0.0023	1	04/24/23 17:59	ASH	L678106
Bromomethane	<0.0019	mg/Kg - dry	0.0019	0.0023	1	04/24/23 17:59	ASH	L678106
Methyl Ethyl Ketone (MEK)	<0.0045	mg/Kg - dry	0.0045	0.0479	1	04/24/23 17:59	ASH	L678106
n-Butylbenzene	<0.0011	mg/Kg - dry	0.0011	0.0023	1	04/24/23 17:59	ASH	L678106
sec-Butyl benzene	<0.0011	mg/Kg - dry	0.0011	0.0023	1	04/24/23 17:59	ASH	L678106
tert-Butyl benzene	<0.0008	mg/Kg - dry	0.0008	0.0023	1	04/24/23 17:59	ASH	L678106
Carbon Disulfide	**0.0259**	mg/Kg - dry	0.0034	0.0119	1	04/24/23 17:59	ASH	L678106
Carbon Tetrachloride	<0.0004	mg/Kg - dry	0.0004	0.0023	1	04/24/23 17:59	ASH	L678106
Chlorobenzene	<0.0009	mg/Kg - dry	0.0009	0.0023	1	04/24/23 17:59	ASH	L678106
Chlorodibromomethane	<0.0012	mg/Kg - dry	0.0012	0.0023	1	04/24/23 17:59	ASH	L678106
Chloroethane	<0.0010	mg/Kg - dry	0.0010	0.0023	1	04/24/23 17:59	ASH	L678106
Chloroform	<0.0006	mg/Kg - dry	0.0006	0.0023	1	04/24/23 17:59	ASH	L678106
Chloromethane	<0.0008	mg/Kg - dry	0.0008	0.0023	1	04/24/23 17:59	ASH	L678106
2-Chlorotoluene	<0.0011	mg/Kg - dry	0.0011	0.0023	1	04/24/23 17:59	ASH	L678106

Qualifiers/ Definitions
DF Dilution Factor
MQL Method Quantitation Limit
J Estimated value

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Project Legends Park
Information : 198 N. Pauline-Memphis, TN
Project No. 0888834617

Report Date : 04/27/2023
Received : 04/20/2023

Report Number : **23-111-0040**

REPORT OF ANALYSIS

Rebekah Ross
Project Manager

Lab No : **99818**
Sample ID : **LEGSSB34-05**

Matrix: **Solids**
Sampled: **4/20/2023 11:46**

Analytical Method: 8260B **Prep Batch(es):** **L678061** 04/24/23 08:09
Prep Method: 5035

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Batch
4-Chlorotoluene	<0.0012	mg/Kg - dry	0.0012	0.0023	1	04/24/23 17:59	ASH	L678106
1,2-Dibromo-3-Chloropropane	<0.0078	mg/Kg - dry	0.0078	0.0119	1	04/24/23 17:59	ASH	L678106
1,2-Dibromoethane	<0.0010	mg/Kg - dry	0.0010	0.0023	1	04/24/23 17:59	ASH	L678106
Dibromomethane	<0.0008	mg/Kg - dry	0.0008	0.0023	1	04/24/23 17:59	ASH	L678106
1,2-Dichlorobenzene	<0.0016	mg/Kg - dry	0.0016	0.0023	1	04/24/23 17:59	ASH	L678106
1,3-Dichlorobenzene	<0.0016	mg/Kg - dry	0.0016	0.0023	1	04/24/23 17:59	ASH	L678106
1,4-Dichlorobenzene	<0.0018	mg/Kg - dry	0.0018	0.0023	1	04/24/23 17:59	ASH	L678106
Dichlorodifluoromethane	<0.0022	mg/Kg - dry	0.0022	0.0023	1	04/24/23 17:59	ASH	L678106
1,1-Dichloroethane	<0.0004	mg/Kg - dry	0.0004	0.0023	1	04/24/23 17:59	ASH	L678106
1,2-Dichloroethane	<0.0005	mg/Kg - dry	0.0005	0.0023	1	04/24/23 17:59	ASH	L678106
1,1-Dichloroethene	<0.0006	mg/Kg - dry	0.0006	0.0023	1	04/24/23 17:59	ASH	L678106
cis-1,2-Dichloroethene	<0.0006	mg/Kg - dry	0.0006	0.0023	1	04/24/23 17:59	ASH	L678106
trans-1,2-Dichloroethene	<0.0003	mg/Kg - dry	0.0003	0.0023	1	04/24/23 17:59	ASH	L678106
1,2-Dichloroethene (Total)	<0.0003	mg/Kg - dry	0.0003	0.0023	1	04/24/23 17:59		L678106
1,2-Dichloropropane	<0.0007	mg/Kg - dry	0.0007	0.0023	1	04/24/23 17:59	ASH	L678106
1,3-Dichloropropane	<0.0010	mg/Kg - dry	0.0010	0.0023	1	04/24/23 17:59	ASH	L678106
2,2-Dichloropropane	<0.0006	mg/Kg - dry	0.0006	0.0023	1	04/24/23 17:59	ASH	L678106
1,1-Dichloropropene	<0.0004	mg/Kg - dry	0.0004	0.0023	1	04/24/23 17:59	ASH	L678106
cis-1,3-Dichloropropene	<0.0009	mg/Kg - dry	0.0009	0.0023	1	04/24/23 17:59	ASH	L678106
trans-1,3-Dichloropropene	<0.0009	mg/Kg - dry	0.0009	0.0023	1	04/24/23 17:59	ASH	L678106
Ethyl Acetate	<0.0072	mg/Kg - dry	0.0072	0.0479	1	04/24/23 17:59	ASH	L678106
Ethylbenzene	<0.0007	mg/Kg - dry	0.0007	0.0023	1	04/24/23 17:59	ASH	L678106

Qualifiers/ Definitions
DF Dilution Factor
MQL Method Quantitation Limit
J Estimated value

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Project Legends Park
Information : 198 N. Pauline-Memphis, TN
Project No. 0888834617

Report Date : 04/27/2023
Received : 04/20/2023

Rebekah Ross
Project Manager

Report Number : **23-111-0040**

REPORT OF ANALYSIS

Lab No : **99818**
Sample ID : **LEGSSB34-05**

Matrix: **Solids**
Sampled: **4/20/2023 11:46**

Analytical Method: 8260B **Prep Batch(es):** **L678061** 04/24/23 08:09
Prep Method: 5035

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Batch
Hexachlorobutadiene	<0.0011	mg/Kg - dry	0.0011	0.0023	1	04/24/23 17:59	ASH	L678106
2-Hexanone	<0.0072	mg/Kg - dry	0.0072	0.0119	1	04/24/23 17:59	ASH	L678106
Iodomethane	<0.0054	mg/Kg - dry	0.0054	0.0119	1	04/24/23 17:59	ASH	L678106
Isopropylbenzene	<0.0009	mg/Kg - dry	0.0009	0.0023	1	04/24/23 17:59	ASH	L678106
4-Isopropyl toluene	<0.0011	mg/Kg - dry	0.0011	0.0023	1	04/24/23 17:59	ASH	L678106
4-Methyl-2-Pentanone	<0.0070	mg/Kg - dry	0.0070	0.0119	1	04/24/23 17:59	ASH	L678106
Methylene Chloride	<0.0033	mg/Kg - dry	0.0033	0.0119	1	04/24/23 17:59	ASH	L678106
Methyl tert-butyl ether (MTBE)	<0.0007	mg/Kg - dry	0.0007	0.0023	1	04/24/23 17:59	ASH	L678106
m,p-Xylene	<0.0017	mg/Kg - dry	0.0017	0.0047	1	04/24/23 17:59	ASH	L678106
Naphthalene	<0.0075	mg/Kg - dry	0.0075	0.0119	1	04/24/23 17:59	ASH	L678106
o-Xylene	<0.0009	mg/Kg - dry	0.0009	0.0023	1	04/24/23 17:59	ASH	L678106
n-Propyl acetate	<0.0081	mg/Kg - dry	0.0081	0.0119	1	04/24/23 17:59	ASH	L678106
n-Propylbenzene	<0.0007	mg/Kg - dry	0.0007	0.0023	1	04/24/23 17:59	ASH	L678106
Styrene	<0.0013	mg/Kg - dry	0.0013	0.0023	1	04/24/23 17:59	ASH	L678106
1,1,1,2-Tetrachloroethane	<0.0010	mg/Kg - dry	0.0010	0.0023	1	04/24/23 17:59	ASH	L678106
1,1,2,2-Tetrachloroethane	<0.0022	mg/Kg - dry	0.0022	0.0023	1	04/24/23 17:59	ASH	L678106
Tetrachloroethene	<0.0009	mg/Kg - dry	0.0009	0.0023	1	04/24/23 17:59	ASH	L678106
Toluene	<0.0039	mg/Kg - dry	0.0039	0.0047	1	04/24/23 17:59	ASH	L678106
1,2,3-Trichlorobenzene	<0.0023	mg/Kg - dry	0.0023	0.0023	1	04/24/23 17:59	ASH	L678106
1,2,4-Trichlorobenzene	<0.0013	mg/Kg - dry	0.0013	0.0023	1	04/24/23 17:59	ASH	L678106
1,1,1-Trichloroethane	<0.0004	mg/Kg - dry	0.0004	0.0023	1	04/24/23 17:59	ASH	L678106
1,1,2-Trichloroethane	<0.0012	mg/Kg - dry	0.0012	0.0023	1	04/24/23 17:59	ASH	L678106

Qualifiers/ Definitions
DF Dilution Factor
MQL Method Quantitation Limit
J Estimated value

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Project Legends Park
Information : 198 N. Pauline-Memphis, TN
Project No. 0888834617

Report Date : 04/27/2023
Received : 04/20/2023

Rebekah Ross
Project Manager

Report Number : **23-111-0040**

REPORT OF ANALYSIS

Lab No : **99818**
Sample ID : **LEGSSB34-05**

Matrix: **Solids**
Sampled: **4/20/2023 11:46**

Analytical Method: 8260B **Prep Batch(es):** **L678061** 04/24/23 08:09
Prep Method: 5035

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Batch
Trichloroethene	<0.0010	mg/Kg - dry	0.0010	0.0023	1	04/24/23 17:59	ASH	L678106
Trichlorofluoromethane	<0.0010	mg/Kg - dry	0.0010	0.0023	1	04/24/23 17:59	ASH	L678106
1,2,3-Trichloropropane	<0.0018	mg/Kg - dry	0.0018	0.0023	1	04/24/23 17:59	ASH	L678106
1,2,4-Trimethylbenzene	<0.0009	mg/Kg - dry	0.0009	0.0023	1	04/24/23 17:59	ASH	L678106
1,3,5-Trimethylbenzene	<0.0010	mg/Kg - dry	0.0010	0.0023	1	04/24/23 17:59	ASH	L678106
Vinyl Acetate	<0.0048	mg/Kg - dry	0.0048	0.0479	1	04/24/23 17:59	ASH	L678106
Vinyl Chloride	<0.0008	mg/Kg - dry	0.0008	0.0023	1	04/24/23 17:59	ASH	L678106
Xylene (Total)	<0.0009	mg/Kg - dry	0.0009	0.0023	1	04/24/23 17:59	KCC	L678106
Surrogate: 4-Bromofluorobenzene	92.6		Limits: 60-140%		1	04/24/23 17:59	ASH	L678106
Surrogate: 1,2-Dichloroethane - d4	130		Limits: 60-140%		1	04/24/23 17:59	ASH	L678106
Surrogate: Toluene-d8	95.3		Limits: 60-140%		1	04/24/23 17:59	ASH	L678106

Qualifiers/ Definitions
DF Dilution Factor
MQL Method Quantitation Limit
J Estimated value

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Report Date : 04/27/2023
Received : 04/20/2023

Rebekah Ross
Project Manager

Report Number : **23-111-0040**

REPORT OF ANALYSIS

Lab No : **99819**
Sample ID : **LEGSSB34-09**

Matrix: **Solids**
Sampled: **4/20/2023 11:59**

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Method
Moisture	**17.7**	%			1	04/24/23 16:00	JLS	SW-DRYWT
Arsenic	**7.27**	mg/Kg - dry	0.291	0.607	1	04/26/23 04:05	BKN	6010D
Barium	**141**	mg/Kg - dry	0.157	0.607	1	04/26/23 04:05	BKN	6010D
Cadmium	**0.378**	mg/Kg - dry	0.0243	0.122	1	04/26/23 04:05	BKN	6010D
Chromium	**14.6**	mg/Kg - dry	0.286	0.303	1	04/26/23 04:05	BKN	6010D
Lead	**42.9**	mg/Kg - dry	0.218	0.364	1	04/26/23 04:05	BKN	6010D
Mercury	**0.0735 J**	mg/Kg - dry	0.0282	0.233	1	04/27/23 13:07	FDS	7471A
Selenium	<0.388	mg/Kg - dry	0.388	0.607	1	04/26/23 04:05	BKN	6010D
Silver	<0.972	mg/Kg - dry	0.972	1.52	5	04/26/23 21:18	BKN	6010D

Qualifiers/ Definitions

DF Dilution Factor
MQL Method Quantitation Limit
J Estimated value

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Rebekah Ross
Project Manager

Report Number : **23-111-0040**

REPORT OF ANALYSIS

Lab No : **99819**
Sample ID : **LEGSSB34-09**

Matrix: **Solids**
Sampled: **4/20/2023 11:59**

Analytical Method: 8260B **Prep Batch(es):** **L678061** 04/24/23 08:09
Prep Method: 5035

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Batch
Acetone	**0.0619**	mg/Kg - dry	0.0061	0.0565	1	04/24/23 18:32	ASH	L678106
Acetonitrile	<0.0738	mg/Kg - dry	0.0738	0.283	1	04/24/23 18:32	ASH	L678106
Acrolein	<0.0116	mg/Kg - dry	0.0116	0.0565	1	04/24/23 18:32	ASH	L678106
Acrylonitrile	<0.0053	mg/Kg - dry	0.0053	0.0565	1	04/24/23 18:32	ASH	L678106
Benzene	<0.0005	mg/Kg - dry	0.0005	0.0028	1	04/24/23 18:32	ASH	L678106
Bromobenzene	<0.0010	mg/Kg - dry	0.0010	0.0028	1	04/24/23 18:32	ASH	L678106
Bromochloromethane	<0.0006	mg/Kg - dry	0.0006	0.0028	1	04/24/23 18:32	ASH	L678106
Bromodichloromethane	<0.0011	mg/Kg - dry	0.0011	0.0028	1	04/24/23 18:32	ASH	L678106
Bromoform	<0.0018	mg/Kg - dry	0.0018	0.0028	1	04/24/23 18:32	ASH	L678106
Bromomethane	<0.0022	mg/Kg - dry	0.0022	0.0028	1	04/24/23 18:32	ASH	L678106
Methyl Ethyl Ketone (MEK)	**0.0054 J**	mg/Kg - dry	0.0053	0.0565	1	04/24/23 18:32	ASH	L678106
n-Butylbenzene	<0.0013	mg/Kg - dry	0.0013	0.0028	1	04/24/23 18:32	ASH	L678106
sec-Butyl benzene	<0.0013	mg/Kg - dry	0.0013	0.0028	1	04/24/23 18:32	ASH	L678106
tert-Butyl benzene	<0.0010	mg/Kg - dry	0.0010	0.0028	1	04/24/23 18:32	ASH	L678106
Carbon Disulfide	<0.0039	mg/Kg - dry	0.0039	0.0140	1	04/24/23 18:32	ASH	L678106
Carbon Tetrachloride	<0.0005	mg/Kg - dry	0.0005	0.0028	1	04/24/23 18:32	ASH	L678106
Chlorobenzene	<0.0011	mg/Kg - dry	0.0011	0.0028	1	04/24/23 18:32	ASH	L678106
Chlorodibromomethane	<0.0014	mg/Kg - dry	0.0014	0.0028	1	04/24/23 18:32	ASH	L678106
Chloroethane	<0.0011	mg/Kg - dry	0.0011	0.0028	1	04/24/23 18:32	ASH	L678106
Chloroform	<0.0007	mg/Kg - dry	0.0007	0.0028	1	04/24/23 18:32	ASH	L678106
Chloromethane	<0.0010	mg/Kg - dry	0.0010	0.0028	1	04/24/23 18:32	ASH	L678106
2-Chlorotoluene	<0.0013	mg/Kg - dry	0.0013	0.0028	1	04/24/23 18:32	ASH	L678106

Qualifiers/ Definitions
DF Dilution Factor
MQL Method Quantitation Limit
J Estimated value

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Memphis , TN 38134

Project Legends Park

Information : 198 N. Pauline-Memphis, TN
Project No. 0888834617

Report Date : 04/27/2023
Received : 04/20/2023

Rebekah Ross
Project Manager

Report Number : **23-111-0040**

REPORT OF ANALYSIS

Lab No : **99819**
Sample ID : **LEGSSB34-09**

Matrix: **Solids**
Sampled: **4/20/2023 11:59**

Analytical Method: 8260B **Prep Batch(es):** **L678061** 04/24/23 08:09
Prep Method: 5035

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Batch
4-Chlorotoluene	<0.0015	mg/Kg - dry	0.0015	0.0028	1	04/24/23 18:32	ASH	L678106
1,2-Dibromo-3-Chloropropane	<0.0092	mg/Kg - dry	0.0092	0.0140	1	04/24/23 18:32	ASH	L678106
1,2-Dibromoethane	<0.0012	mg/Kg - dry	0.0012	0.0028	1	04/24/23 18:32	ASH	L678106
Dibromomethane	<0.0009	mg/Kg - dry	0.0009	0.0028	1	04/24/23 18:32	ASH	L678106
1,2-Dichlorobenzene	<0.0019	mg/Kg - dry	0.0019	0.0028	1	04/24/23 18:32	ASH	L678106
1,3-Dichlorobenzene	<0.0018	mg/Kg - dry	0.0018	0.0028	1	04/24/23 18:32	ASH	L678106
1,4-Dichlorobenzene	<0.0021	mg/Kg - dry	0.0021	0.0028	1	04/24/23 18:32	ASH	L678106
Dichlorodifluoromethane	<0.0026	mg/Kg - dry	0.0026	0.0028	1	04/24/23 18:32	ASH	L678106
1,1-Dichloroethane	<0.0005	mg/Kg - dry	0.0005	0.0028	1	04/24/23 18:32	ASH	L678106
1,2-Dichloroethane	<0.0006	mg/Kg - dry	0.0006	0.0028	1	04/24/23 18:32	ASH	L678106
1,1-Dichloroethene	<0.0008	mg/Kg - dry	0.0008	0.0028	1	04/24/23 18:32	ASH	L678106
cis-1,2-Dichloroethene	<0.0007	mg/Kg - dry	0.0007	0.0028	1	04/24/23 18:32	ASH	L678106
trans-1,2-Dichloroethene	<0.0003	mg/Kg - dry	0.0003	0.0028	1	04/24/23 18:32	ASH	L678106
1,2-Dichloroethene (Total)	<0.0003	mg/Kg - dry	0.0003	0.0028	1	04/24/23 18:32		L678106
1,2-Dichloropropane	<0.0009	mg/Kg - dry	0.0009	0.0028	1	04/24/23 18:32	ASH	L678106
1,3-Dichloropropane	<0.0012	mg/Kg - dry	0.0012	0.0028	1	04/24/23 18:32	ASH	L678106
2,2-Dichloropropane	<0.0008	mg/Kg - dry	0.0008	0.0028	1	04/24/23 18:32	ASH	L678106
1,1-Dichloropropene	<0.0005	mg/Kg - dry	0.0005	0.0028	1	04/24/23 18:32	ASH	L678106
cis-1,3-Dichloropropene	<0.0011	mg/Kg - dry	0.0011	0.0028	1	04/24/23 18:32	ASH	L678106
trans-1,3-Dichloropropene	<0.0010	mg/Kg - dry	0.0010	0.0028	1	04/24/23 18:32	ASH	L678106
Ethyl Acetate	<0.0085	mg/Kg - dry	0.0085	0.0565	1	04/24/23 18:32	ASH	L678106
Ethylbenzene	<0.0009	mg/Kg - dry	0.0009	0.0028	1	04/24/23 18:32	ASH	L678106

Qualifiers/ Definitions

DF Dilution Factor
MQL Method Quantitation Limit
J Estimated value

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Project Legends Park
Information : 198 N. Pauline-Memphis, TN
Project No. 0888834617

Report Date : 04/27/2023
Received : 04/20/2023

Rebekah Ross
Project Manager

Report Number : **23-111-0040**

REPORT OF ANALYSIS

Lab No : **99819**
Sample ID : **LEGSSB34-09**

Matrix: **Solids**
Sampled: **4/20/2023 11:59**

Analytical Method: 8260B **Prep Batch(es):** **L678061** 04/24/23 08:09
Prep Method: 5035

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Batch
Hexachlorobutadiene	<0.0013	mg/Kg - dry	0.0013	0.0028	1	04/24/23 18:32	ASH	L678106
2-Hexanone	<0.0084	mg/Kg - dry	0.0084	0.0140	1	04/24/23 18:32	ASH	L678106
Iodomethane	<0.0064	mg/Kg - dry	0.0064	0.0140	1	04/24/23 18:32	ASH	L678106
Isopropylbenzene	<0.0010	mg/Kg - dry	0.0010	0.0028	1	04/24/23 18:32	ASH	L678106
4-Isopropyl toluene	<0.0013	mg/Kg - dry	0.0013	0.0028	1	04/24/23 18:32	ASH	L678106
4-Methyl-2-Pentanone	<0.0082	mg/Kg - dry	0.0082	0.0140	1	04/24/23 18:32	ASH	L678106
Methylene Chloride	<0.0039	mg/Kg - dry	0.0039	0.0140	1	04/24/23 18:32	ASH	L678106
Methyl tert-butyl ether (MTBE)	<0.0008	mg/Kg - dry	0.0008	0.0028	1	04/24/23 18:32	ASH	L678106
m,p-Xylene	<0.0020	mg/Kg - dry	0.0020	0.0056	1	04/24/23 18:32	ASH	L678106
Naphthalene	<0.0089	mg/Kg - dry	0.0089	0.0140	1	04/24/23 18:32	ASH	L678106
o-Xylene	<0.0011	mg/Kg - dry	0.0011	0.0028	1	04/24/23 18:32	ASH	L678106
n-Propyl acetate	<0.0095	mg/Kg - dry	0.0095	0.0140	1	04/24/23 18:32	ASH	L678106
n-Propylbenzene	<0.0008	mg/Kg - dry	0.0008	0.0028	1	04/24/23 18:32	ASH	L678106
Styrene	<0.0016	mg/Kg - dry	0.0016	0.0028	1	04/24/23 18:32	ASH	L678106
1,1,1,2-Tetrachloroethane	<0.0012	mg/Kg - dry	0.0012	0.0028	1	04/24/23 18:32	ASH	L678106
1,1,2,2-Tetrachloroethane	<0.0026	mg/Kg - dry	0.0026	0.0028	1	04/24/23 18:32	ASH	L678106
Tetrachloroethene	<0.0011	mg/Kg - dry	0.0011	0.0028	1	04/24/23 18:32	ASH	L678106
Toluene	<0.0046	mg/Kg - dry	0.0046	0.0056	1	04/24/23 18:32	ASH	L678106
1,2,3-Trichlorobenzene	<0.0028	mg/Kg - dry	0.0028	0.0028	1	04/24/23 18:32	ASH	L678106
1,2,4-Trichlorobenzene	<0.0016	mg/Kg - dry	0.0016	0.0028	1	04/24/23 18:32	ASH	L678106
1,1,1-Trichloroethane	<0.0005	mg/Kg - dry	0.0005	0.0028	1	04/24/23 18:32	ASH	L678106
1,1,2-Trichloroethane	<0.0014	mg/Kg - dry	0.0014	0.0028	1	04/24/23 18:32	ASH	L678106

Qualifiers/ Definitions
DF Dilution Factor
MQL Method Quantitation Limit
J Estimated value

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Project Legends Park
Information : 198 N. Pauline-Memphis, TN
Project No. 0888834617

Report Date : 04/27/2023
Received : 04/20/2023

Rebekah Ross
Project Manager

Report Number : **23-111-0040**

REPORT OF ANALYSIS

Lab No : **99819**
Sample ID : **LEGSSB34-09**

Matrix: **Solids**
Sampled: **4/20/2023 11:59**

Analytical Method: 8260B **Prep Batch(es):** **L678061** 04/24/23 08:09
Prep Method: 5035

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Batch
Trichloroethene	<0.0012	mg/Kg - dry	0.0012	0.0028	1	04/24/23 18:32	ASH	L678106
Trichlorofluoromethane	<0.0012	mg/Kg - dry	0.0012	0.0028	1	04/24/23 18:32	ASH	L678106
1,2,3-Trichloropropane	<0.0021	mg/Kg - dry	0.0021	0.0028	1	04/24/23 18:32	ASH	L678106
1,2,4-Trimethylbenzene	<0.0011	mg/Kg - dry	0.0011	0.0028	1	04/24/23 18:32	ASH	L678106
1,3,5-Trimethylbenzene	<0.0012	mg/Kg - dry	0.0012	0.0028	1	04/24/23 18:32	ASH	L678106
Vinyl Acetate	<0.0057	mg/Kg - dry	0.0057	0.0565	1	04/24/23 18:32	ASH	L678106
Vinyl Chloride	<0.0010	mg/Kg - dry	0.0010	0.0028	1	04/24/23 18:32	ASH	L678106
Xylene (Total)	<0.0011	mg/Kg - dry	0.0011	0.0028	1	04/24/23 18:32	KCC	L678106
Surrogate: 4-Bromofluorobenzene	88.8		Limits: 60-140%		1	04/24/23 18:32	ASH	L678106
Surrogate: 1,2-Dichloroethane - d4	127		Limits: 60-140%		1	04/24/23 18:32	ASH	L678106
Surrogate: Toluene-d8	93.1		Limits: 60-140%		1	04/24/23 18:32	ASH	L678106

Qualifiers/ Definitions
DF Dilution Factor
MQL Method Quantitation Limit
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Report Date : 04/27/2023
Received : 04/20/2023

Rebekah Ross
Project Manager

Report Number : **23-111-0040**

REPORT OF ANALYSIS

Lab No : **99820**
Sample ID : **LEGSSB35-01**

Matrix: **Solids**
Sampled: **4/20/2023 12:15**

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Method
Moisture	**15.8**	%			1	04/24/23 16:00	JLS	SW-DRYWT
Arsenic	**8.38**	mg/Kg - dry	0.285	0.593	1	04/26/23 04:10	BKN	6010D
Barium	**124**	mg/Kg - dry	0.154	0.593	1	04/26/23 04:10	BKN	6010D
Cadmium	**0.438**	mg/Kg - dry	0.0237	0.119	1	04/26/23 04:10	BKN	6010D
Chromium	**14.6**	mg/Kg - dry	0.280	0.296	1	04/26/23 04:10	BKN	6010D
Lead	**28.3**	mg/Kg - dry	0.213	0.356	1	04/26/23 04:10	BKN	6010D
Mercury	**0.0848 J**	mg/Kg - dry	0.0261	0.216	1	04/27/23 13:09	FDS	7471A
Selenium	<0.380	mg/Kg - dry	0.380	0.593	1	04/26/23 04:10	BKN	6010D
Silver	<0.950	mg/Kg - dry	0.950	1.48	5	04/26/23 21:23	BKN	6010D

Qualifiers/ Definitions

DF Dilution Factor
MQL Method Quantitation Limit
J Estimated value

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Project Legends Park

Information : 198 N. Pauline-Memphis, TN
Project No. 0888834617

Report Date : 04/27/2023
Received : 04/20/2023

Rebekah Ross
Project Manager

Report Number : **23-111-0040**

REPORT OF ANALYSIS

Lab No : **99820**
Sample ID : **LEGSSB35-01**

Matrix: **Solids**
Sampled: **4/20/2023 12:15**

Analytical Method: 8260B **Prep Batch(es):** **L678061** 04/24/23 08:09
Prep Method: 5035

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Batch
Acetone	**0.157**	mg/Kg - dry	0.0051	0.0475	1	04/24/23 19:05	ASH	L678106
Acetonitrile	<0.0619	mg/Kg - dry	0.0619	0.238	1	04/24/23 19:05	ASH	L678106
Acrolein	<0.0097	mg/Kg - dry	0.0097	0.0475	1	04/24/23 19:05	ASH	L678106
Acrylonitrile	<0.0045	mg/Kg - dry	0.0045	0.0475	1	04/24/23 19:05	ASH	L678106
Benzene	<0.0004	mg/Kg - dry	0.0004	0.0023	1	04/24/23 19:05	ASH	L678106
Bromobenzene	<0.0008	mg/Kg - dry	0.0008	0.0023	1	04/24/23 19:05	ASH	L678106
Bromochloromethane	<0.0005	mg/Kg - dry	0.0005	0.0023	1	04/24/23 19:05	ASH	L678106
Bromodichloromethane	<0.0009	mg/Kg - dry	0.0009	0.0023	1	04/24/23 19:05	ASH	L678106
Bromoform	<0.0015	mg/Kg - dry	0.0015	0.0023	1	04/24/23 19:05	ASH	L678106
Bromomethane	<0.0019	mg/Kg - dry	0.0019	0.0023	1	04/24/23 19:05	ASH	L678106
Methyl Ethyl Ketone (MEK)	**0.0140 J**	mg/Kg - dry	0.0045	0.0475	1	04/24/23 19:05	ASH	L678106
n-Butylbenzene	<0.0011	mg/Kg - dry	0.0011	0.0023	1	04/24/23 19:05	ASH	L678106
sec-Butyl benzene	<0.0011	mg/Kg - dry	0.0011	0.0023	1	04/24/23 19:05	ASH	L678106
tert-Butyl benzene	<0.0008	mg/Kg - dry	0.0008	0.0023	1	04/24/23 19:05	ASH	L678106
Carbon Disulfide	**0.0194**	mg/Kg - dry	0.0033	0.0118	1	04/24/23 19:05	ASH	L678106
Carbon Tetrachloride	<0.0004	mg/Kg - dry	0.0004	0.0023	1	04/24/23 19:05	ASH	L678106
Chlorobenzene	<0.0009	mg/Kg - dry	0.0009	0.0023	1	04/24/23 19:05	ASH	L678106
Chlorodibromomethane	<0.0012	mg/Kg - dry	0.0012	0.0023	1	04/24/23 19:05	ASH	L678106
Chloroethane	<0.0009	mg/Kg - dry	0.0009	0.0023	1	04/24/23 19:05	ASH	L678106
Chloroform	<0.0006	mg/Kg - dry	0.0006	0.0023	1	04/24/23 19:05	ASH	L678106
Chloromethane	<0.0008	mg/Kg - dry	0.0008	0.0023	1	04/24/23 19:05	ASH	L678106
2-Chlorotoluene	<0.0011	mg/Kg - dry	0.0011	0.0023	1	04/24/23 19:05	ASH	L678106

Qualifiers/ Definitions
DF Dilution Factor
MQL Method Quantitation Limit
J Estimated value

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Report Date : 04/27/2023
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Rebekah Ross
Project Manager

Report Number : **23-111-0040**

REPORT OF ANALYSIS

Lab No : **99820**
Sample ID : **LEGSSB35-01**

Matrix: **Solids**
Sampled: **4/20/2023 12:15**

Analytical Method: 8260B **Prep Batch(es):** **L678061** 04/24/23 08:09
Prep Method: 5035

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Batch
4-Chlorotoluene	<0.0012	mg/Kg - dry	0.0012	0.0023	1	04/24/23 19:05	ASH	L678106
1,2-Dibromo-3-Chloropropane	<0.0078	mg/Kg - dry	0.0078	0.0118	1	04/24/23 19:05	ASH	L678106
1,2-Dibromoethane	<0.0010	mg/Kg - dry	0.0010	0.0023	1	04/24/23 19:05	ASH	L678106
Dibromomethane	<0.0008	mg/Kg - dry	0.0008	0.0023	1	04/24/23 19:05	ASH	L678106
1,2-Dichlorobenzene	<0.0016	mg/Kg - dry	0.0016	0.0023	1	04/24/23 19:05	ASH	L678106
1,3-Dichlorobenzene	<0.0015	mg/Kg - dry	0.0015	0.0023	1	04/24/23 19:05	ASH	L678106
1,4-Dichlorobenzene	<0.0017	mg/Kg - dry	0.0017	0.0023	1	04/24/23 19:05	ASH	L678106
Dichlorodifluoromethane	<0.0022	mg/Kg - dry	0.0022	0.0023	1	04/24/23 19:05	ASH	L678106
1,1-Dichloroethane	<0.0004	mg/Kg - dry	0.0004	0.0023	1	04/24/23 19:05	ASH	L678106
1,2-Dichloroethane	<0.0005	mg/Kg - dry	0.0005	0.0023	1	04/24/23 19:05	ASH	L678106
1,1-Dichloroethene	<0.0006	mg/Kg - dry	0.0006	0.0023	1	04/24/23 19:05	ASH	L678106
cis-1,2-Dichloroethene	<0.0006	mg/Kg - dry	0.0006	0.0023	1	04/24/23 19:05	ASH	L678106
trans-1,2-Dichloroethene	<0.0003	mg/Kg - dry	0.0003	0.0023	1	04/24/23 19:05	ASH	L678106
1,2-Dichloroethene (Total)	<0.0003	mg/Kg - dry	0.0003	0.0023	1	04/24/23 19:05		L678106
1,2-Dichloropropane	<0.0007	mg/Kg - dry	0.0007	0.0023	1	04/24/23 19:05	ASH	L678106
1,3-Dichloropropane	<0.0010	mg/Kg - dry	0.0010	0.0023	1	04/24/23 19:05	ASH	L678106
2,2-Dichloropropane	<0.0006	mg/Kg - dry	0.0006	0.0023	1	04/24/23 19:05	ASH	L678106
1,1-Dichloropropene	<0.0004	mg/Kg - dry	0.0004	0.0023	1	04/24/23 19:05	ASH	L678106
cis-1,3-Dichloropropene	<0.0009	mg/Kg - dry	0.0009	0.0023	1	04/24/23 19:05	ASH	L678106
trans-1,3-Dichloropropene	<0.0009	mg/Kg - dry	0.0009	0.0023	1	04/24/23 19:05	ASH	L678106
Ethyl Acetate	<0.0071	mg/Kg - dry	0.0071	0.0475	1	04/24/23 19:05	ASH	L678106
Ethylbenzene	<0.0007	mg/Kg - dry	0.0007	0.0023	1	04/24/23 19:05	ASH	L678106

Qualifiers/ Definitions

DF Dilution Factor
MQL Method Quantitation Limit
J Estimated value

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Information : 198 N. Pauline-Memphis, TN
Project No. 0888834617

Report Date : 04/27/2023
Received : 04/20/2023

Rebekah Ross
Project Manager

Report Number : **23-111-0040**

REPORT OF ANALYSIS

Lab No : **99820**
Sample ID : **LEGSSB35-01**

Matrix: **Solids**
Sampled: **4/20/2023 12:15**

Analytical Method: 8260B **Prep Batch(es):** **L678061** 04/24/23 08:09
Prep Method: 5035

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Batch
Hexachlorobutadiene	<0.0011	mg/Kg - dry	0.0011	0.0023	1	04/24/23 19:05	ASH	L678106
2-Hexanone	<0.0071	mg/Kg - dry	0.0071	0.0118	1	04/24/23 19:05	ASH	L678106
Iodomethane	<0.0054	mg/Kg - dry	0.0054	0.0118	1	04/24/23 19:05	ASH	L678106
Isopropylbenzene	<0.0009	mg/Kg - dry	0.0009	0.0023	1	04/24/23 19:05	ASH	L678106
4-Isopropyl toluene	<0.0011	mg/Kg - dry	0.0011	0.0023	1	04/24/23 19:05	ASH	L678106
4-Methyl-2-Pentanone	<0.0069	mg/Kg - dry	0.0069	0.0118	1	04/24/23 19:05	ASH	L678106
Methylene Chloride	<0.0033	mg/Kg - dry	0.0033	0.0118	1	04/24/23 19:05	ASH	L678106
Methyl tert-butyl ether (MTBE)	<0.0007	mg/Kg - dry	0.0007	0.0023	1	04/24/23 19:05	ASH	L678106
m,p-Xylene	<0.0017	mg/Kg - dry	0.0017	0.0047	1	04/24/23 19:05	ASH	L678106
Naphthalene	<0.0075	mg/Kg - dry	0.0075	0.0118	1	04/24/23 19:05	ASH	L678106
o-Xylene	<0.0009	mg/Kg - dry	0.0009	0.0023	1	04/24/23 19:05	ASH	L678106
n-Propyl acetate	<0.0080	mg/Kg - dry	0.0080	0.0118	1	04/24/23 19:05	ASH	L678106
n-Propylbenzene	<0.0007	mg/Kg - dry	0.0007	0.0023	1	04/24/23 19:05	ASH	L678106
Styrene	<0.0013	mg/Kg - dry	0.0013	0.0023	1	04/24/23 19:05	ASH	L678106
1,1,1,2-Tetrachloroethane	<0.0010	mg/Kg - dry	0.0010	0.0023	1	04/24/23 19:05	ASH	L678106
1,1,2,2-Tetrachloroethane	<0.0022	mg/Kg - dry	0.0022	0.0023	1	04/24/23 19:05	ASH	L678106
Tetrachloroethene	<0.0009	mg/Kg - dry	0.0009	0.0023	1	04/24/23 19:05	ASH	L678106
Toluene	<0.0038	mg/Kg - dry	0.0038	0.0047	1	04/24/23 19:05	ASH	L678106
1,2,3-Trichlorobenzene	<0.0023	mg/Kg - dry	0.0023	0.0023	1	04/24/23 19:05	ASH	L678106
1,2,4-Trichlorobenzene	<0.0013	mg/Kg - dry	0.0013	0.0023	1	04/24/23 19:05	ASH	L678106
1,1,1-Trichloroethane	<0.0004	mg/Kg - dry	0.0004	0.0023	1	04/24/23 19:05	ASH	L678106
1,1,2-Trichloroethane	<0.0012	mg/Kg - dry	0.0012	0.0023	1	04/24/23 19:05	ASH	L678106

Qualifiers/ Definitions
DF Dilution Factor
MQL Method Quantitation Limit
J Estimated value

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Project Legends Park
Information : 198 N. Pauline-Memphis, TN
Project No. 0888834617

Report Date : 04/27/2023
Received : 04/20/2023

Rebekah Ross
Project Manager

Report Number : **23-111-0040**

REPORT OF ANALYSIS

Lab No : **99820**
Sample ID : **LEGSSB35-01**

Matrix: **Solids**
Sampled: **4/20/2023 12:15**

Analytical Method: 8260B **Prep Batch(es):** **L678061** 04/24/23 08:09
Prep Method: 5035

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Batch
Trichloroethene	<0.0010	mg/Kg - dry	0.0010	0.0023	1	04/24/23 19:05	ASH	L678106
Trichlorofluoromethane	<0.0010	mg/Kg - dry	0.0010	0.0023	1	04/24/23 19:05	ASH	L678106
1,2,3-Trichloropropane	<0.0018	mg/Kg - dry	0.0018	0.0023	1	04/24/23 19:05	ASH	L678106
1,2,4-Trimethylbenzene	<0.0009	mg/Kg - dry	0.0009	0.0023	1	04/24/23 19:05	ASH	L678106
1,3,5-Trimethylbenzene	<0.0010	mg/Kg - dry	0.0010	0.0023	1	04/24/23 19:05	ASH	L678106
Vinyl Acetate	<0.0047	mg/Kg - dry	0.0047	0.0475	1	04/24/23 19:05	ASH	L678106
Vinyl Chloride	<0.0008	mg/Kg - dry	0.0008	0.0023	1	04/24/23 19:05	ASH	L678106
Xylene (Total)	<0.0009	mg/Kg - dry	0.0009	0.0023	1	04/24/23 19:05	KCC	L678106
Surrogate: 4-Bromofluorobenzene	98.5		Limits: 60-140%		1	04/24/23 19:05	ASH	L678106
Surrogate: 1,2-Dichloroethane - d4	134		Limits: 60-140%		1	04/24/23 19:05	ASH	L678106
Surrogate: Toluene-d8	98.1		Limits: 60-140%		1	04/24/23 19:05	ASH	L678106

Qualifiers/ Definitions
DF Dilution Factor
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Project Legends Park

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Report Date : 04/27/2023
Received : 04/20/2023

Rebekah Ross
Project Manager

Report Number : **23-111-0040**

REPORT OF ANALYSIS

Lab No : **99821**
Sample ID : **LEGSSB35-05**

Matrix: **Solids**
Sampled: **4/20/2023 12:25**

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Method
Moisture	**18.3**	%			1	04/24/23 16:00	JLS	SW-DRYWT
Arsenic	**7.09**	mg/Kg - dry	0.293	0.611	1	04/26/23 04:15	BKN	6010D
Barium	**120**	mg/Kg - dry	0.159	0.611	1	04/26/23 04:15	BKN	6010D
Cadmium	**0.387**	mg/Kg - dry	0.0244	0.122	1	04/26/23 04:15	BKN	6010D
Chromium	**16.0**	mg/Kg - dry	0.288	0.305	1	04/26/23 04:15	BKN	6010D
Lead	**34.8**	mg/Kg - dry	0.220	0.367	1	04/26/23 04:15	BKN	6010D
Mercury	**0.0651 J**	mg/Kg - dry	0.0257	0.213	1	04/27/23 13:10	FDS	7471A
Selenium	<0.391	mg/Kg - dry	0.391	0.611	1	04/26/23 04:15	BKN	6010D
Silver	<0.979	mg/Kg - dry	0.979	1.53	5	04/26/23 21:39	BKN	6010D

Qualifiers/ Definitions

DF Dilution Factor
MQL Method Quantitation Limit
J Estimated value

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Report Date : 04/27/2023
Received : 04/20/2023

Rebekah Ross
Project Manager

Report Number : **23-111-0040**

REPORT OF ANALYSIS

Lab No : **99821**
Sample ID : **LEGSSB35-05**

Matrix: **Solids**
Sampled: **4/20/2023 12:25**

Analytical Method: 8260B **Prep Batch(es):** **L678061** 04/24/23 08:09
Prep Method: 5035

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Batch
Acetone	**0.0354 J**	mg/Kg - dry	0.0053	0.0489	1	04/24/23 19:39	ASH	L678106
Acetonitrile	<0.0638	mg/Kg - dry	0.0638	0.245	1	04/24/23 19:39	ASH	L678106
Acrolein	<0.0100	mg/Kg - dry	0.0100	0.0489	1	04/24/23 19:39	ASH	L678106
Acrylonitrile	<0.0046	mg/Kg - dry	0.0046	0.0489	1	04/24/23 19:39	ASH	L678106
Benzene	<0.0004	mg/Kg - dry	0.0004	0.0024	1	04/24/23 19:39	ASH	L678106
Bromobenzene	<0.0009	mg/Kg - dry	0.0009	0.0024	1	04/24/23 19:39	ASH	L678106
Bromochloromethane	<0.0005	mg/Kg - dry	0.0005	0.0024	1	04/24/23 19:39	ASH	L678106
Bromodichloromethane	<0.0009	mg/Kg - dry	0.0009	0.0024	1	04/24/23 19:39	ASH	L678106
Bromoform	<0.0016	mg/Kg - dry	0.0016	0.0024	1	04/24/23 19:39	ASH	L678106
Bromomethane	<0.0019	mg/Kg - dry	0.0019	0.0024	1	04/24/23 19:39	ASH	L678106
Methyl Ethyl Ketone (MEK)	<0.0046	mg/Kg - dry	0.0046	0.0489	1	04/24/23 19:39	ASH	L678106
n-Butylbenzene	<0.0011	mg/Kg - dry	0.0011	0.0024	1	04/24/23 19:39	ASH	L678106
sec-Butyl benzene	<0.0011	mg/Kg - dry	0.0011	0.0024	1	04/24/23 19:39	ASH	L678106
tert-Butyl benzene	<0.0009	mg/Kg - dry	0.0009	0.0024	1	04/24/23 19:39	ASH	L678106
Carbon Disulfide	**0.0071 J**	mg/Kg - dry	0.0034	0.0122	1	04/24/23 19:39	ASH	L678106
Carbon Tetrachloride	<0.0005	mg/Kg - dry	0.0005	0.0024	1	04/24/23 19:39	ASH	L678106
Chlorobenzene	<0.0009	mg/Kg - dry	0.0009	0.0024	1	04/24/23 19:39	ASH	L678106
Chlorodibromomethane	<0.0012	mg/Kg - dry	0.0012	0.0024	1	04/24/23 19:39	ASH	L678106
Chloroethane	<0.0010	mg/Kg - dry	0.0010	0.0024	1	04/24/23 19:39	ASH	L678106
Chloroform	<0.0006	mg/Kg - dry	0.0006	0.0024	1	04/24/23 19:39	ASH	L678106
Chloromethane	<0.0008	mg/Kg - dry	0.0008	0.0024	1	04/24/23 19:39	ASH	L678106
2-Chlorotoluene	<0.0012	mg/Kg - dry	0.0012	0.0024	1	04/24/23 19:39	ASH	L678106

Qualifiers/ Definitions
DF Dilution Factor
MQL Method Quantitation Limit
J Estimated value

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Project Legends Park

Information : 198 N. Pauline-Memphis, TN
Project No. 0888834617

Report Date : 04/27/2023
Received : 04/20/2023

Rebekah Ross
Project Manager

Report Number : **23-111-0040**

REPORT OF ANALYSIS

Lab No : **99821**
Sample ID : **LEGSSB35-05**

Matrix: **Solids**
Sampled: **4/20/2023 12:25**

Analytical Method: 8260B **Prep Batch(es):** **L678061** 04/24/23 08:09
Prep Method: 5035

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Batch
4-Chlorotoluene	<0.0013	mg/Kg - dry	0.0013	0.0024	1	04/24/23 19:39	ASH	L678106
1,2-Dibromo-3-Chloropropane	<0.0080	mg/Kg - dry	0.0080	0.0122	1	04/24/23 19:39	ASH	L678106
1,2-Dibromoethane	<0.0011	mg/Kg - dry	0.0011	0.0024	1	04/24/23 19:39	ASH	L678106
Dibromomethane	<0.0008	mg/Kg - dry	0.0008	0.0024	1	04/24/23 19:39	ASH	L678106
1,2-Dichlorobenzene	<0.0017	mg/Kg - dry	0.0017	0.0024	1	04/24/23 19:39	ASH	L678106
1,3-Dichlorobenzene	<0.0016	mg/Kg - dry	0.0016	0.0024	1	04/24/23 19:39	ASH	L678106
1,4-Dichlorobenzene	<0.0018	mg/Kg - dry	0.0018	0.0024	1	04/24/23 19:39	ASH	L678106
Dichlorodifluoromethane	<0.0023	mg/Kg - dry	0.0023	0.0024	1	04/24/23 19:39	ASH	L678106
1,1-Dichloroethane	<0.0004	mg/Kg - dry	0.0004	0.0024	1	04/24/23 19:39	ASH	L678106
1,2-Dichloroethane	<0.0005	mg/Kg - dry	0.0005	0.0024	1	04/24/23 19:39	ASH	L678106
1,1-Dichloroethene	<0.0007	mg/Kg - dry	0.0007	0.0024	1	04/24/23 19:39	ASH	L678106
cis-1,2-Dichloroethene	<0.0006	mg/Kg - dry	0.0006	0.0024	1	04/24/23 19:39	ASH	L678106
trans-1,2-Dichloroethene	<0.0003	mg/Kg - dry	0.0003	0.0024	1	04/24/23 19:39	ASH	L678106
1,2-Dichloroethene (Total)	<0.0003	mg/Kg - dry	0.0003	0.0024	1	04/24/23 19:39		L678106
1,2-Dichloropropane	<0.0007	mg/Kg - dry	0.0007	0.0024	1	04/24/23 19:39	ASH	L678106
1,3-Dichloropropane	<0.0011	mg/Kg - dry	0.0011	0.0024	1	04/24/23 19:39	ASH	L678106
2,2-Dichloropropane	<0.0007	mg/Kg - dry	0.0007	0.0024	1	04/24/23 19:39	ASH	L678106
1,1-Dichloropropene	<0.0004	mg/Kg - dry	0.0004	0.0024	1	04/24/23 19:39	ASH	L678106
cis-1,3-Dichloropropene	<0.0009	mg/Kg - dry	0.0009	0.0024	1	04/24/23 19:39	ASH	L678106
trans-1,3-Dichloropropene	<0.0009	mg/Kg - dry	0.0009	0.0024	1	04/24/23 19:39	ASH	L678106
Ethyl Acetate	<0.0074	mg/Kg - dry	0.0074	0.0489	1	04/24/23 19:39	ASH	L678106
Ethylbenzene	<0.0007	mg/Kg - dry	0.0007	0.0024	1	04/24/23 19:39	ASH	L678106

Qualifiers/ Definitions

DF Dilution Factor
MQL Method Quantitation Limit
J Estimated value

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Project Legends Park
Information : 198 N. Pauline-Memphis, TN
Project No. 0888834617

Report Date : 04/27/2023
Received : 04/20/2023

Rebekah Ross
Project Manager

Report Number : **23-111-0040**

REPORT OF ANALYSIS

Lab No : **99821**
Sample ID : **LEGSSB35-05**

Matrix: **Solids**
Sampled: **4/20/2023 12:25**

Analytical Method: 8260B **Prep Batch(es):** **L678061** 04/24/23 08:09
Prep Method: 5035

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Batch
Hexachlorobutadiene	<0.0011	mg/Kg - dry	0.0011	0.0024	1	04/24/23 19:39	ASH	L678106
2-Hexanone	<0.0073	mg/Kg - dry	0.0073	0.0122	1	04/24/23 19:39	ASH	L678106
Iodomethane	<0.0055	mg/Kg - dry	0.0055	0.0122	1	04/24/23 19:39	ASH	L678106
Isopropylbenzene	<0.0009	mg/Kg - dry	0.0009	0.0024	1	04/24/23 19:39	ASH	L678106
4-Isopropyl toluene	<0.0011	mg/Kg - dry	0.0011	0.0024	1	04/24/23 19:39	ASH	L678106
4-Methyl-2-Pentanone	<0.0071	mg/Kg - dry	0.0071	0.0122	1	04/24/23 19:39	ASH	L678106
Methylene Chloride	<0.0034	mg/Kg - dry	0.0034	0.0122	1	04/24/23 19:39	ASH	L678106
Methyl tert-butyl ether (MTBE)	<0.0007	mg/Kg - dry	0.0007	0.0024	1	04/24/23 19:39	ASH	L678106
m,p-Xylene	<0.0017	mg/Kg - dry	0.0017	0.0048	1	04/24/23 19:39	ASH	L678106
Naphthalene	<0.0077	mg/Kg - dry	0.0077	0.0122	1	04/24/23 19:39	ASH	L678106
o-Xylene	<0.0009	mg/Kg - dry	0.0009	0.0024	1	04/24/23 19:39	ASH	L678106
n-Propyl acetate	<0.0082	mg/Kg - dry	0.0082	0.0122	1	04/24/23 19:39	ASH	L678106
n-Propylbenzene	<0.0007	mg/Kg - dry	0.0007	0.0024	1	04/24/23 19:39	ASH	L678106
Styrene	<0.0014	mg/Kg - dry	0.0014	0.0024	1	04/24/23 19:39	ASH	L678106
1,1,1,2-Tetrachloroethane	<0.0010	mg/Kg - dry	0.0010	0.0024	1	04/24/23 19:39	ASH	L678106
1,1,2,2-Tetrachloroethane	<0.0022	mg/Kg - dry	0.0022	0.0024	1	04/24/23 19:39	ASH	L678106
Tetrachloroethene	<0.0009	mg/Kg - dry	0.0009	0.0024	1	04/24/23 19:39	ASH	L678106
Toluene	<0.0039	mg/Kg - dry	0.0039	0.0048	1	04/24/23 19:39	ASH	L678106
1,2,3-Trichlorobenzene	<0.0024	mg/Kg - dry	0.0024	0.0024	1	04/24/23 19:39	ASH	L678106
1,2,4-Trichlorobenzene	<0.0013	mg/Kg - dry	0.0013	0.0024	1	04/24/23 19:39	ASH	L678106
1,1,1-Trichloroethane	<0.0004	mg/Kg - dry	0.0004	0.0024	1	04/24/23 19:39	ASH	L678106
1,1,2-Trichloroethane	<0.0012	mg/Kg - dry	0.0012	0.0024	1	04/24/23 19:39	ASH	L678106

Qualifiers/ Definitions
DF Dilution Factor
MQL Method Quantitation Limit
J Estimated value

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Project Legends Park
Information : 198 N. Pauline-Memphis, TN
Project No. 0888834617

Report Date : 04/27/2023
Received : 04/20/2023

Rebekah Ross
Project Manager

Report Number : **23-111-0040**

REPORT OF ANALYSIS

Lab No : **99821**
Sample ID : **LEGSSB35-05**

Matrix: **Solids**
Sampled: **4/20/2023 12:25**

Analytical Method: 8260B **Prep Batch(es):** **L678061** 04/24/23 08:09
Prep Method: 5035

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Batch
Trichloroethene	<0.0011	mg/Kg - dry	0.0011	0.0024	1	04/24/23 19:39	ASH	L678106
Trichlorofluoromethane	<0.0010	mg/Kg - dry	0.0010	0.0024	1	04/24/23 19:39	ASH	L678106
1,2,3-Trichloropropane	<0.0018	mg/Kg - dry	0.0018	0.0024	1	04/24/23 19:39	ASH	L678106
1,2,4-Trimethylbenzene	<0.0009	mg/Kg - dry	0.0009	0.0024	1	04/24/23 19:39	ASH	L678106
1,3,5-Trimethylbenzene	<0.0011	mg/Kg - dry	0.0011	0.0024	1	04/24/23 19:39	ASH	L678106
Vinyl Acetate	<0.0049	mg/Kg - dry	0.0049	0.0489	1	04/24/23 19:39	ASH	L678106
Vinyl Chloride	<0.0008	mg/Kg - dry	0.0008	0.0024	1	04/24/23 19:39	ASH	L678106
Xylene (Total)	<0.0009	mg/Kg - dry	0.0009	0.0024	1	04/24/23 19:39	KCC	L678106
Surrogate: 4-Bromofluorobenzene	87.2		Limits: 60-140%		1	04/24/23 19:39	ASH	L678106
Surrogate: 1,2-Dichloroethane - d4	121		Limits: 60-140%		1	04/24/23 19:39	ASH	L678106
Surrogate: Toluene-d8	86.8		Limits: 60-140%		1	04/24/23 19:39	ASH	L678106

Qualifiers/ Definitions
DF Dilution Factor
MQL Method Quantitation Limit
J Estimated value

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Report Date : 04/27/2023
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Rebekah Ross
Project Manager

Report Number : **23-111-0040**

REPORT OF ANALYSIS

Lab No : **99822**
Sample ID : **LEGSSB35-09**

Matrix: **Solids**
Sampled: **4/20/2023 12:38**

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Method
Moisture	**20.9**	%			1	04/24/23 16:00	JLS	SW-DRYWT
Arsenic	**9.82**	mg/Kg - dry	0.303	0.632	1	04/26/23 04:21	BKN	6010D
Barium	**145**	mg/Kg - dry	0.164	0.632	1	04/26/23 04:21	BKN	6010D
Cadmium	**0.659**	mg/Kg - dry	0.0252	0.126	1	04/26/23 04:21	BKN	6010D
Chromium	**16.6**	mg/Kg - dry	0.298	0.316	1	04/26/23 04:21	BKN	6010D
Lead	**19.8**	mg/Kg - dry	0.227	0.379	1	04/26/23 04:21	BKN	6010D
Mercury	**0.0508 J**	mg/Kg - dry	0.0254	0.211	1	04/27/23 13:12	FDS	7471A
Selenium	<0.404	mg/Kg - dry	0.404	0.632	1	04/26/23 04:21	BKN	6010D
Silver	<1.01	mg/Kg - dry	1.01	1.58	5	04/26/23 21:44	BKN	6010D

Qualifiers/ Definitions

DF Dilution Factor
MQL Method Quantitation Limit
J Estimated value

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Project Manager

Report Number : **23-111-0040**

REPORT OF ANALYSIS

Lab No : **99822**
Sample ID : **LEGSSB35-09**

Matrix: **Solids**
Sampled: **4/20/2023 12:38**

Analytical Method: 8260B **Prep Batch(es):** **L678321** 04/25/23 09:47
Prep Method: 5035

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Batch
Acetone	**0.0461 J**	mg/Kg - dry	0.0054	0.0505	1	04/25/23 12:43	ASH	L678442
Acetonitrile	<0.0659	mg/Kg - dry	0.0659	0.253	1	04/25/23 12:43	ASH	L678442
Acrolein	<0.0104	mg/Kg - dry	0.0104	0.0505	1	04/25/23 12:43	ASH	L678442
Acrylonitrile	<0.0047	mg/Kg - dry	0.0047	0.0505	1	04/25/23 12:43	ASH	L678442
Benzene	**0.0050**	mg/Kg - dry	0.0004	0.0025	1	04/25/23 12:43	ASH	L678442
Bromobenzene	<0.0009	mg/Kg - dry	0.0009	0.0025	1	04/25/23 12:43	ASH	L678442
Bromochloromethane	<0.0005	mg/Kg - dry	0.0005	0.0025	1	04/25/23 12:43	ASH	L678442
Bromodichloromethane	<0.0009	mg/Kg - dry	0.0009	0.0025	1	04/25/23 12:43	ASH	L678442
Bromoform	<0.0016	mg/Kg - dry	0.0016	0.0025	1	04/25/23 12:43	ASH	L678442
Bromomethane	<0.0020	mg/Kg - dry	0.0020	0.0025	1	04/25/23 12:43	ASH	L678442
Methyl Ethyl Ketone (MEK)	**0.0051 J**	mg/Kg - dry	0.0048	0.0505	1	04/25/23 12:43	ASH	L678442
n-Butylbenzene	<0.0011	mg/Kg - dry	0.0011	0.0025	1	04/25/23 12:43	ASH	L678442
sec-Butyl benzene	<0.0011	mg/Kg - dry	0.0011	0.0025	1	04/25/23 12:43	ASH	L678442
tert-Butyl benzene	<0.0009	mg/Kg - dry	0.0009	0.0025	1	04/25/23 12:43	ASH	L678442
Carbon Disulfide	**0.0085 J**	mg/Kg - dry	0.0035	0.0126	1	04/25/23 12:43	ASH	L678442
Carbon Tetrachloride	<0.0005	mg/Kg - dry	0.0005	0.0025	1	04/25/23 12:43	ASH	L678442
Chlorobenzene	<0.0009	mg/Kg - dry	0.0009	0.0025	1	04/25/23 12:43	ASH	L678442
Chlorodibromomethane	<0.0013	mg/Kg - dry	0.0013	0.0025	1	04/25/23 12:43	ASH	L678442
Chloroethane	<0.0010	mg/Kg - dry	0.0010	0.0025	1	04/25/23 12:43	ASH	L678442
Chloroform	<0.0006	mg/Kg - dry	0.0006	0.0025	1	04/25/23 12:43	ASH	L678442
Chloromethane	<0.0009	mg/Kg - dry	0.0009	0.0025	1	04/25/23 12:43	ASH	L678442
2-Chlorotoluene	<0.0012	mg/Kg - dry	0.0012	0.0025	1	04/25/23 12:43	ASH	L678442

Qualifiers/ Definitions
DF Dilution Factor
MQL Method Quantitation Limit
J Estimated value

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Project Legends Park
Information : 198 N. Pauline-Memphis, TN
Project No. 0888834617

Report Date : 04/27/2023
Received : 04/20/2023

Rebekah Ross
Project Manager

Report Number : **23-111-0040**

REPORT OF ANALYSIS

Lab No : **99822**
Sample ID : **LEGSSB35-09**

Matrix: **Solids**
Sampled: **4/20/2023 12:38**

Analytical Method: 8260B **Prep Batch(es):** **L678321** 04/25/23 09:47
Prep Method: 5035

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Batch
4-Chlorotoluene	<0.0013	mg/Kg - dry	0.0013	0.0025	1	04/25/23 12:43	ASH	L678442
1,2-Dibromo-3-Chloropropane	<0.0083	mg/Kg - dry	0.0083	0.0126	1	04/25/23 12:43	ASH	L678442
1,2-Dibromoethane	<0.0011	mg/Kg - dry	0.0011	0.0025	1	04/25/23 12:43	ASH	L678442
Dibromomethane	<0.0008	mg/Kg - dry	0.0008	0.0025	1	04/25/23 12:43	ASH	L678442
1,2-Dichlorobenzene	<0.0017	mg/Kg - dry	0.0017	0.0025	1	04/25/23 12:43	ASH	L678442
1,3-Dichlorobenzene	<0.0016	mg/Kg - dry	0.0016	0.0025	1	04/25/23 12:43	ASH	L678442
1,4-Dichlorobenzene	<0.0019	mg/Kg - dry	0.0019	0.0025	1	04/25/23 12:43	ASH	L678442
Dichlorodifluoromethane	<0.0023	mg/Kg - dry	0.0023	0.0025	1	04/25/23 12:43	ASH	L678442
1,1-Dichloroethane	<0.0004	mg/Kg - dry	0.0004	0.0025	1	04/25/23 12:43	ASH	L678442
1,2-Dichloroethane	<0.0005	mg/Kg - dry	0.0005	0.0025	1	04/25/23 12:43	ASH	L678442
1,1-Dichloroethene	<0.0007	mg/Kg - dry	0.0007	0.0025	1	04/25/23 12:43	ASH	L678442
cis-1,2-Dichloroethene	<0.0006	mg/Kg - dry	0.0006	0.0025	1	04/25/23 12:43	ASH	L678442
trans-1,2-Dichloroethene	<0.0003	mg/Kg - dry	0.0003	0.0025	1	04/25/23 12:43	ASH	L678442
1,2-Dichloroethene (Total)	<0.0003	mg/Kg - dry	0.0003	0.0025	1	04/25/23 12:43		L678442
1,2-Dichloropropane	<0.0008	mg/Kg - dry	0.0008	0.0025	1	04/25/23 12:43	ASH	L678442
1,3-Dichloropropane	<0.0011	mg/Kg - dry	0.0011	0.0025	1	04/25/23 12:43	ASH	L678442
2,2-Dichloropropane	<0.0007	mg/Kg - dry	0.0007	0.0025	1	04/25/23 12:43	ASH	L678442
1,1-Dichloropropene	<0.0004	mg/Kg - dry	0.0004	0.0025	1	04/25/23 12:43	ASH	L678442
cis-1,3-Dichloropropene	<0.0009	mg/Kg - dry	0.0009	0.0025	1	04/25/23 12:43	ASH	L678442
trans-1,3-Dichloropropene	<0.0009	mg/Kg - dry	0.0009	0.0025	1	04/25/23 12:43	ASH	L678442
Ethyl Acetate	<0.0076	mg/Kg - dry	0.0076	0.0505	1	04/25/23 12:43	ASH	L678442
Ethylbenzene	**0.0042**	mg/Kg - dry	0.0008	0.0025	1	04/25/23 12:43	ASH	L678442

Qualifiers/ Definitions
DF Dilution Factor
MQL Method Quantitation Limit
J Estimated value

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Project Legends Park
Information : 198 N. Pauline-Memphis, TN
Project No. 0888834617

Report Date : 04/27/2023
Received : 04/20/2023

Rebekah Ross
Project Manager

Report Number : **23-111-0040**

REPORT OF ANALYSIS

Lab No : **99822**
Sample ID : **LEGSSB35-09**

Matrix: **Solids**
Sampled: **4/20/2023 12:38**

Analytical Method: 8260B **Prep Batch(es):** **L678321** 04/25/23 09:47
Prep Method: 5035

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Batch
Hexachlorobutadiene	<0.0011	mg/Kg - dry	0.0011	0.0025	1	04/25/23 12:43	ASH	L678442
2-Hexanone	<0.0076	mg/Kg - dry	0.0076	0.0126	1	04/25/23 12:43	ASH	L678442
Iodomethane	<0.0057	mg/Kg - dry	0.0057	0.0126	1	04/25/23 12:43	ASH	L678442
Isopropylbenzene	<0.0009	mg/Kg - dry	0.0009	0.0025	1	04/25/23 12:43	ASH	L678442
4-Isopropyl toluene	<0.0012	mg/Kg - dry	0.0012	0.0025	1	04/25/23 12:43	ASH	L678442
4-Methyl-2-Pentanone	<0.0073	mg/Kg - dry	0.0073	0.0126	1	04/25/23 12:43	ASH	L678442
Methylene Chloride	<0.0035	mg/Kg - dry	0.0035	0.0126	1	04/25/23 12:43	ASH	L678442
Methyl tert-butyl ether (MTBE)	<0.0007	mg/Kg - dry	0.0007	0.0025	1	04/25/23 12:43	ASH	L678442
m,p-Xylene	**0.0047 J**	mg/Kg - dry	0.0018	0.0050	1	04/25/23 12:43	ASH	L678442
Naphthalene	<0.0080	mg/Kg - dry	0.0080	0.0126	1	04/25/23 12:43	ASH	L678442
o-Xylene	**0.0017 J**	mg/Kg - dry	0.0009	0.0025	1	04/25/23 12:43	ASH	L678442
n-Propyl acetate	<0.0085	mg/Kg - dry	0.0085	0.0126	1	04/25/23 12:43	ASH	L678442
n-Propylbenzene	<0.0007	mg/Kg - dry	0.0007	0.0025	1	04/25/23 12:43	ASH	L678442
Styrene	<0.0014	mg/Kg - dry	0.0014	0.0025	1	04/25/23 12:43	ASH	L678442
1,1,1,2-Tetrachloroethane	<0.0011	mg/Kg - dry	0.0011	0.0025	1	04/25/23 12:43	ASH	L678442
1,1,2,2-Tetrachloroethane	<0.0023	mg/Kg - dry	0.0023	0.0025	1	04/25/23 12:43	ASH	L678442
Tetrachloroethene	<0.0009	mg/Kg - dry	0.0009	0.0025	1	04/25/23 12:43	ASH	L678442
Toluene	**0.0104**	mg/Kg - dry	0.0041	0.0050	1	04/25/23 12:43	ASH	L678442
1,2,3-Trichlorobenzene	<0.0025	mg/Kg - dry	0.0025	0.0025	1	04/25/23 12:43	ASH	L678442
1,2,4-Trichlorobenzene	<0.0014	mg/Kg - dry	0.0014	0.0025	1	04/25/23 12:43	ASH	L678442
1,1,1-Trichloroethane	<0.0004	mg/Kg - dry	0.0004	0.0025	1	04/25/23 12:43	ASH	L678442
1,1,2-Trichloroethane	<0.0012	mg/Kg - dry	0.0012	0.0025	1	04/25/23 12:43	ASH	L678442

Qualifiers/ Definitions
DF Dilution Factor
MQL Method Quantitation Limit
J Estimated value

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Project Legends Park
Information : 198 N. Pauline-Memphis, TN
Project No. 0888834617

Report Date : 04/27/2023
Received : 04/20/2023

Rebekah Ross
Project Manager

Report Number : **23-111-0040**

REPORT OF ANALYSIS

Lab No : **99822**
Sample ID : **LEGSSB35-09**

Matrix: **Solids**
Sampled: **4/20/2023 12:38**

Analytical Method: 8260B **Prep Batch(es):** **L678321** 04/25/23 09:47
Prep Method: 5035

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Batch
Trichloroethene	<0.0011	mg/Kg - dry	0.0011	0.0025	1	04/25/23 12:43	ASH	L678442
Trichlorofluoromethane	<0.0011	mg/Kg - dry	0.0011	0.0025	1	04/25/23 12:43	ASH	L678442
1,2,3-Trichloropropane	<0.0019	mg/Kg - dry	0.0019	0.0025	1	04/25/23 12:43	ASH	L678442
1,2,4-Trimethylbenzene	**0.0026**	mg/Kg - dry	0.0010	0.0025	1	04/25/23 12:43	ASH	L678442
1,3,5-Trimethylbenzene	<0.0011	mg/Kg - dry	0.0011	0.0025	1	04/25/23 12:43	ASH	L678442
Vinyl Acetate	<0.0051	mg/Kg - dry	0.0051	0.0505	1	04/25/23 12:43	ASH	L678442
Vinyl Chloride	<0.0009	mg/Kg - dry	0.0009	0.0025	1	04/25/23 12:43	ASH	L678442
Xylene (Total)	**0.0064 J**	mg/Kg - dry	0.0009	0.0025	1	04/25/23 12:43	KCC	L678442
Surrogate: 4-Bromofluorobenzene	101		Limits: 60-140%		1	04/25/23 12:43	ASH	L678442
Surrogate: 1,2-Dichloroethane - d4	131		Limits: 60-140%		1	04/25/23 12:43	ASH	L678442
Surrogate: Toluene-d8	91.7		Limits: 60-140%		1	04/25/23 12:43	ASH	L678442

Qualifiers/ Definitions
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Project Manager

Report Number : **23-111-0040**

REPORT OF ANALYSIS

Lab No : **99823**
Sample ID : **LEGSSB36-01**

Matrix: **Solids**
Sampled: **4/20/2023 12:52**

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Method
Moisture	**26.3**	%			1	04/24/23 14:15	JLS	SW-DRYWT
Arsenic	**9.16**	mg/Kg - dry	0.325	0.678	1	04/26/23 04:26	BKN	6010D
Barium	**114**	mg/Kg - dry	0.176	0.678	1	04/26/23 04:26	BKN	6010D
Cadmium	**0.404**	mg/Kg - dry	0.0271	0.136	1	04/26/23 04:26	BKN	6010D
Chromium	**14.4**	mg/Kg - dry	0.320	0.339	1	04/26/23 04:26	BKN	6010D
Lead	**40.6**	mg/Kg - dry	0.244	0.407	1	04/26/23 04:26	BKN	6010D
Mercury	**0.0905 J**	mg/Kg - dry	0.0315	0.261	1	04/27/23 13:16	FDS	7471A
Selenium	<0.434	mg/Kg - dry	0.434	0.678	1	04/26/23 04:26	BKN	6010D
Silver	<1.09	mg/Kg - dry	1.09	1.70	5	04/26/23 21:49	BKN	6010D

Qualifiers/ Definitions

DF Dilution Factor
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Report Date : 04/27/2023
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Rebekah Ross
Project Manager

Report Number : **23-111-0040**

REPORT OF ANALYSIS

Lab No : **99823**
Sample ID : **LEGSSB36-01**

Matrix: **Solids**
Sampled: **4/20/2023 12:52**

Analytical Method: 8260B **Prep Batch(es):** **L678321** 04/25/23 09:47
Prep Method: 5035

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Batch
Acetone	**0.185**	mg/Kg - dry	0.0059	0.0542	1	04/25/23 13:17	ASH	L678442
Acetonitrile	<0.0708	mg/Kg - dry	0.0708	0.271	1	04/25/23 13:17	ASH	L678442
Acrolein	<0.0111	mg/Kg - dry	0.0111	0.0542	1	04/25/23 13:17	ASH	L678442
Acrylonitrile	<0.0051	mg/Kg - dry	0.0051	0.0542	1	04/25/23 13:17	ASH	L678442
Benzene	**0.0035**	mg/Kg - dry	0.0005	0.0027	1	04/25/23 13:17	ASH	L678442
Bromobenzene	<0.0010	mg/Kg - dry	0.0010	0.0027	1	04/25/23 13:17	ASH	L678442
Bromochloromethane	<0.0005	mg/Kg - dry	0.0005	0.0027	1	04/25/23 13:17	ASH	L678442
Bromodichloromethane	<0.0010	mg/Kg - dry	0.0010	0.0027	1	04/25/23 13:17	ASH	L678442
Bromoform	<0.0017	mg/Kg - dry	0.0017	0.0027	1	04/25/23 13:17	ASH	L678442
Bromomethane	<0.0021	mg/Kg - dry	0.0021	0.0027	1	04/25/23 13:17	ASH	L678442
Methyl Ethyl Ketone (MEK)	**0.0160 J**	mg/Kg - dry	0.0051	0.0542	1	04/25/23 13:17	ASH	L678442
n-Butylbenzene	<0.0012	mg/Kg - dry	0.0012	0.0027	1	04/25/23 13:17	ASH	L678442
sec-Butyl benzene	<0.0012	mg/Kg - dry	0.0012	0.0027	1	04/25/23 13:17	ASH	L678442
tert-Butyl benzene	<0.0010	mg/Kg - dry	0.0010	0.0027	1	04/25/23 13:17	ASH	L678442
Carbon Disulfide	**0.0358**	mg/Kg - dry	0.0038	0.0135	1	04/25/23 13:17	ASH	L678442
Carbon Tetrachloride	<0.0005	mg/Kg - dry	0.0005	0.0027	1	04/25/23 13:17	ASH	L678442
Chlorobenzene	<0.0010	mg/Kg - dry	0.0010	0.0027	1	04/25/23 13:17	ASH	L678442
Chlorodibromomethane	<0.0014	mg/Kg - dry	0.0014	0.0027	1	04/25/23 13:17	ASH	L678442
Chloroethane	<0.0011	mg/Kg - dry	0.0011	0.0027	1	04/25/23 13:17	ASH	L678442
Chloroform	<0.0007	mg/Kg - dry	0.0007	0.0027	1	04/25/23 13:17	ASH	L678442
Chloromethane	<0.0009	mg/Kg - dry	0.0009	0.0027	1	04/25/23 13:17	ASH	L678442
2-Chlorotoluene	<0.0013	mg/Kg - dry	0.0013	0.0027	1	04/25/23 13:17	ASH	L678442

Qualifiers/ Definitions
DF Dilution Factor
MQL Method Quantitation Limit
J Estimated value

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Rebekah Ross
Project Manager

Report Number : **23-111-0040**

REPORT OF ANALYSIS

Lab No : **99823**
Sample ID : **LEGSSB36-01**

Matrix: **Solids**
Sampled: **4/20/2023 12:52**

Analytical Method: 8260B **Prep Batch(es):** **L678321** 04/25/23 09:47
Prep Method: 5035

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Batch
4-Chlorotoluene	<0.0014	mg/Kg - dry	0.0014	0.0027	1	04/25/23 13:17	ASH	L678442
1,2-Dibromo-3-Chloropropane	<0.0089	mg/Kg - dry	0.0089	0.0135	1	04/25/23 13:17	ASH	L678442
1,2-Dibromoethane	<0.0012	mg/Kg - dry	0.0012	0.0027	1	04/25/23 13:17	ASH	L678442
Dibromomethane	<0.0009	mg/Kg - dry	0.0009	0.0027	1	04/25/23 13:17	ASH	L678442
1,2-Dichlorobenzene	<0.0018	mg/Kg - dry	0.0018	0.0027	1	04/25/23 13:17	ASH	L678442
1,3-Dichlorobenzene	<0.0018	mg/Kg - dry	0.0018	0.0027	1	04/25/23 13:17	ASH	L678442
1,4-Dichlorobenzene	<0.0020	mg/Kg - dry	0.0020	0.0027	1	04/25/23 13:17	ASH	L678442
Dichlorodifluoromethane	<0.0025	mg/Kg - dry	0.0025	0.0027	1	04/25/23 13:17	ASH	L678442
1,1-Dichloroethane	<0.0005	mg/Kg - dry	0.0005	0.0027	1	04/25/23 13:17	ASH	L678442
1,2-Dichloroethane	<0.0005	mg/Kg - dry	0.0005	0.0027	1	04/25/23 13:17	ASH	L678442
1,1-Dichloroethene	<0.0007	mg/Kg - dry	0.0007	0.0027	1	04/25/23 13:17	ASH	L678442
cis-1,2-Dichloroethene	<0.0007	mg/Kg - dry	0.0007	0.0027	1	04/25/23 13:17	ASH	L678442
trans-1,2-Dichloroethene	<0.0003	mg/Kg - dry	0.0003	0.0027	1	04/25/23 13:17	ASH	L678442
1,2-Dichloroethene (Total)	<0.0003	mg/Kg - dry	0.0003	0.0027	1	04/25/23 13:17		L678442
1,2-Dichloropropane	<0.0008	mg/Kg - dry	0.0008	0.0027	1	04/25/23 13:17	ASH	L678442
1,3-Dichloropropane	<0.0012	mg/Kg - dry	0.0012	0.0027	1	04/25/23 13:17	ASH	L678442
2,2-Dichloropropane	<0.0007	mg/Kg - dry	0.0007	0.0027	1	04/25/23 13:17	ASH	L678442
1,1-Dichloropropene	<0.0005	mg/Kg - dry	0.0005	0.0027	1	04/25/23 13:17	ASH	L678442
cis-1,3-Dichloropropene	<0.0010	mg/Kg - dry	0.0010	0.0027	1	04/25/23 13:17	ASH	L678442
trans-1,3-Dichloropropene	<0.0010	mg/Kg - dry	0.0010	0.0027	1	04/25/23 13:17	ASH	L678442
Ethyl Acetate	<0.0082	mg/Kg - dry	0.0082	0.0542	1	04/25/23 13:17	ASH	L678442
Ethylbenzene	**0.0021 J**	mg/Kg - dry	0.0008	0.0027	1	04/25/23 13:17	ASH	L678442

Qualifiers/ Definitions

DF Dilution Factor
MQL Method Quantitation Limit
J Estimated value

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Rebekah Ross
Project Manager

Report Number : **23-111-0040**

REPORT OF ANALYSIS

Lab No : **99823**
Sample ID : **LEGSSB36-01**

Matrix: **Solids**
Sampled: **4/20/2023 12:52**

Analytical Method: 8260B **Prep Batch(es):** **L678321** 04/25/23 09:47
Prep Method: 5035

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Batch
Hexachlorobutadiene	<0.0012	mg/Kg - dry	0.0012	0.0027	1	04/25/23 13:17	ASH	L678442
2-Hexanone	<0.0081	mg/Kg - dry	0.0081	0.0135	1	04/25/23 13:17	ASH	L678442
Iodomethane	<0.0061	mg/Kg - dry	0.0061	0.0135	1	04/25/23 13:17	ASH	L678442
Isopropylbenzene	<0.0010	mg/Kg - dry	0.0010	0.0027	1	04/25/23 13:17	ASH	L678442
4-Isopropyl toluene	<0.0013	mg/Kg - dry	0.0013	0.0027	1	04/25/23 13:17	ASH	L678442
4-Methyl-2-Pentanone	<0.0079	mg/Kg - dry	0.0079	0.0135	1	04/25/23 13:17	ASH	L678442
Methylene Chloride	<0.0037	mg/Kg - dry	0.0037	0.0135	1	04/25/23 13:17	ASH	L678442
Methyl tert-butyl ether (MTBE)	<0.0008	mg/Kg - dry	0.0008	0.0027	1	04/25/23 13:17	ASH	L678442
m,p-Xylene	**0.0024 J**	mg/Kg - dry	0.0019	0.0054	1	04/25/23 13:17	ASH	L678442
Naphthalene	<0.0085	mg/Kg - dry	0.0085	0.0135	1	04/25/23 13:17	ASH	L678442
o-Xylene	<0.0010	mg/Kg - dry	0.0010	0.0027	1	04/25/23 13:17	ASH	L678442
n-Propyl acetate	<0.0091	mg/Kg - dry	0.0091	0.0135	1	04/25/23 13:17	ASH	L678442
n-Propylbenzene	<0.0008	mg/Kg - dry	0.0008	0.0027	1	04/25/23 13:17	ASH	L678442
Styrene	<0.0015	mg/Kg - dry	0.0015	0.0027	1	04/25/23 13:17	ASH	L678442
1,1,1,2-Tetrachloroethane	<0.0012	mg/Kg - dry	0.0012	0.0027	1	04/25/23 13:17	ASH	L678442
1,1,2,2-Tetrachloroethane	<0.0025	mg/Kg - dry	0.0025	0.0027	1	04/25/23 13:17	ASH	L678442
Tetrachloroethene	<0.0010	mg/Kg - dry	0.0010	0.0027	1	04/25/23 13:17	ASH	L678442
Toluene	**0.0061**	mg/Kg - dry	0.0044	0.0054	1	04/25/23 13:17	ASH	L678442
1,2,3-Trichlorobenzene	<0.0027	mg/Kg - dry	0.0027	0.0027	1	04/25/23 13:17	ASH	L678442
1,2,4-Trichlorobenzene	<0.0015	mg/Kg - dry	0.0015	0.0027	1	04/25/23 13:17	ASH	L678442
1,1,1-Trichloroethane	<0.0005	mg/Kg - dry	0.0005	0.0027	1	04/25/23 13:17	ASH	L678442
1,1,2-Trichloroethane	<0.0013	mg/Kg - dry	0.0013	0.0027	1	04/25/23 13:17	ASH	L678442

Qualifiers/ Definitions
DF Dilution Factor
MQL Method Quantitation Limit
J Estimated value

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Project Legends Park
Information : 198 N. Pauline-Memphis, TN
Project No. 0888834617

Report Date : 04/27/2023
Received : 04/20/2023

Rebekah Ross
Project Manager

Report Number : **23-111-0040**

REPORT OF ANALYSIS

Lab No : **99823**
Sample ID : **LEGSSB36-01**

Matrix: **Solids**
Sampled: **4/20/2023 12:52**

Analytical Method: 8260B **Prep Batch(es):** **L678321** 04/25/23 09:47
Prep Method: 5035

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Batch
Trichloroethene	<0.0012	mg/Kg - dry	0.0012	0.0027	1	04/25/23 13:17	ASH	L678442
Trichlorofluoromethane	<0.0012	mg/Kg - dry	0.0012	0.0027	1	04/25/23 13:17	ASH	L678442
1,2,3-Trichloropropane	<0.0020	mg/Kg - dry	0.0020	0.0027	1	04/25/23 13:17	ASH	L678442
1,2,4-Trimethylbenzene	**0.0014 J**	mg/Kg - dry	0.0010	0.0027	1	04/25/23 13:17	ASH	L678442
1,3,5-Trimethylbenzene	<0.0012	mg/Kg - dry	0.0012	0.0027	1	04/25/23 13:17	ASH	L678442
Vinyl Acetate	<0.0054	mg/Kg - dry	0.0054	0.0542	1	04/25/23 13:17	ASH	L678442
Vinyl Chloride	<0.0009	mg/Kg - dry	0.0009	0.0027	1	04/25/23 13:17	ASH	L678442
Xylene (Total)	**0.0024 J**	mg/Kg - dry	0.0010	0.0027	1	04/25/23 13:17	KCC	L678442
Surrogate: 4-Bromofluorobenzene	92.2		Limits: 60-140%		1	04/25/23 13:17	ASH	L678442
Surrogate: 1,2-Dichloroethane - d4	121		Limits: 60-140%		1	04/25/23 13:17	ASH	L678442
Surrogate: Toluene-d8	101		Limits: 60-140%		1	04/25/23 13:17	ASH	L678442

Qualifiers/ Definitions
DF Dilution Factor
MQL Method Quantitation Limit
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Project Legends Park

Information : 198 N. Pauline-Memphis, TN
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Report Date : 04/27/2023
Received : 04/20/2023

Rebekah Ross
Project Manager

Report Number : **23-111-0040**

REPORT OF ANALYSIS

Lab No : **99824**
Sample ID : **LEGSSB36-04**

Matrix: **Solids**
Sampled: **4/20/2023 13:00**

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Method
Moisture	**27.0**	%			1	04/24/23 14:15	JLS	SW-DRYWT
Arsenic	**8.22**	mg/Kg - dry	0.328	0.684	1	04/26/23 04:31	BKN	6010D
Barium	**114**	mg/Kg - dry	0.178	0.684	1	04/26/23 04:31	BKN	6010D
Cadmium	**0.345**	mg/Kg - dry	0.0273	0.137	1	04/26/23 04:31	BKN	6010D
Chromium	**13.4**	mg/Kg - dry	0.323	0.342	1	04/26/23 04:31	BKN	6010D
Lead	**37.3**	mg/Kg - dry	0.246	0.410	1	04/26/23 04:31	BKN	6010D
Mercury	**0.134 J**	mg/Kg - dry	0.0303	0.251	1	04/27/23 13:17	FDS	7471A
Selenium	<0.438	mg/Kg - dry	0.438	0.684	1	04/26/23 04:31	BKN	6010D
Silver	<1.10	mg/Kg - dry	1.10	1.71	5	04/26/23 21:55	BKN	6010D

Qualifiers/ Definitions

DF Dilution Factor
MQL Method Quantitation Limit
J Estimated value

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Information : 198 N. Pauline-Memphis, TN
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Report Date : 04/27/2023
Received : 04/20/2023

Rebekah Ross
Project Manager

Report Number : **23-111-0040**

REPORT OF ANALYSIS

Lab No : **99824**
Sample ID : **LEGSSB36-04**

Matrix: **Solids**
Sampled: **4/20/2023 13:00**

Analytical Method: 8260B **Prep Batch(es):** **L678321** 04/25/23 09:47
Prep Method: 5035

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Batch
Acetone	**0.121**	mg/Kg - dry	0.0075	0.0695	1	04/25/23 13:50	ASH	L678442
Acetonitrile	<0.0908	mg/Kg - dry	0.0908	0.348	1	04/25/23 13:50	ASH	L678442
Acrolein	<0.0143	mg/Kg - dry	0.0143	0.0695	1	04/25/23 13:50	ASH	L678442
Acrylonitrile	<0.0065	mg/Kg - dry	0.0065	0.0695	1	04/25/23 13:50	ASH	L678442
Benzene	**0.0058**	mg/Kg - dry	0.0006	0.0034	1	04/25/23 13:50	ASH	L678442
Bromobenzene	<0.0013	mg/Kg - dry	0.0013	0.0034	1	04/25/23 13:50	ASH	L678442
Bromochloromethane	<0.0007	mg/Kg - dry	0.0007	0.0034	1	04/25/23 13:50	ASH	L678442
Bromodichloromethane	<0.0013	mg/Kg - dry	0.0013	0.0034	1	04/25/23 13:50	ASH	L678442
Bromoform	<0.0023	mg/Kg - dry	0.0023	0.0034	1	04/25/23 13:50	ASH	L678442
Bromomethane	<0.0027	mg/Kg - dry	0.0027	0.0034	1	04/25/23 13:50	ASH	L678442
Methyl Ethyl Ketone (MEK)	**0.0101 J**	mg/Kg - dry	0.0066	0.0695	1	04/25/23 13:50	ASH	L678442
n-Butylbenzene	<0.0016	mg/Kg - dry	0.0016	0.0034	1	04/25/23 13:50	ASH	L678442
sec-Butyl benzene	<0.0016	mg/Kg - dry	0.0016	0.0034	1	04/25/23 13:50	ASH	L678442
tert-Butyl benzene	<0.0012	mg/Kg - dry	0.0012	0.0034	1	04/25/23 13:50	ASH	L678442
Carbon Disulfide	**0.0160 J**	mg/Kg - dry	0.0049	0.0173	1	04/25/23 13:50	ASH	L678442
Carbon Tetrachloride	<0.0007	mg/Kg - dry	0.0007	0.0034	1	04/25/23 13:50	ASH	L678442
Chlorobenzene	<0.0013	mg/Kg - dry	0.0013	0.0034	1	04/25/23 13:50	ASH	L678442
Chlorodibromomethane	<0.0018	mg/Kg - dry	0.0018	0.0034	1	04/25/23 13:50	ASH	L678442
Chloroethane	<0.0014	mg/Kg - dry	0.0014	0.0034	1	04/25/23 13:50	ASH	L678442
Chloroform	<0.0009	mg/Kg - dry	0.0009	0.0034	1	04/25/23 13:50	ASH	L678442
Chloromethane	<0.0012	mg/Kg - dry	0.0012	0.0034	1	04/25/23 13:50	ASH	L678442
2-Chlorotoluene	<0.0017	mg/Kg - dry	0.0017	0.0034	1	04/25/23 13:50	ASH	L678442

Qualifiers/ Definitions
DF Dilution Factor
MQL Method Quantitation Limit
J Estimated value

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Project Legends Park

Information : 198 N. Pauline-Memphis, TN
Project No. 0888834617

Report Date : 04/27/2023
Received : 04/20/2023

Rebekah Ross
Project Manager

Report Number : **23-111-0040**

REPORT OF ANALYSIS

Lab No : **99824**
Sample ID : **LEGSSB36-04**

Matrix: **Solids**
Sampled: **4/20/2023 13:00**

Analytical Method: 8260B **Prep Batch(es):** **L678321** 04/25/23 09:47
Prep Method: 5035

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Batch
4-Chlorotoluene	<0.0018	mg/Kg - dry	0.0018	0.0034	1	04/25/23 13:50	ASH	L678442
1,2-Dibromo-3-Chloropropane	<0.0114	mg/Kg - dry	0.0114	0.0173	1	04/25/23 13:50	ASH	L678442
1,2-Dibromoethane	<0.0015	mg/Kg - dry	0.0015	0.0034	1	04/25/23 13:50	ASH	L678442
Dibromomethane	<0.0012	mg/Kg - dry	0.0012	0.0034	1	04/25/23 13:50	ASH	L678442
1,2-Dichlorobenzene	<0.0024	mg/Kg - dry	0.0024	0.0034	1	04/25/23 13:50	ASH	L678442
1,3-Dichlorobenzene	<0.0023	mg/Kg - dry	0.0023	0.0034	1	04/25/23 13:50	ASH	L678442
1,4-Dichlorobenzene	<0.0026	mg/Kg - dry	0.0026	0.0034	1	04/25/23 13:50	ASH	L678442
Dichlorodifluoromethane	<0.0032	mg/Kg - dry	0.0032	0.0034	1	04/25/23 13:50	ASH	L678442
1,1-Dichloroethane	<0.0006	mg/Kg - dry	0.0006	0.0034	1	04/25/23 13:50	ASH	L678442
1,2-Dichloroethane	<0.0007	mg/Kg - dry	0.0007	0.0034	1	04/25/23 13:50	ASH	L678442
1,1-Dichloroethene	<0.0010	mg/Kg - dry	0.0010	0.0034	1	04/25/23 13:50	ASH	L678442
cis-1,2-Dichloroethene	<0.0009	mg/Kg - dry	0.0009	0.0034	1	04/25/23 13:50	ASH	L678442
trans-1,2-Dichloroethene	<0.0004	mg/Kg - dry	0.0004	0.0034	1	04/25/23 13:50	ASH	L678442
1,2-Dichloroethene (Total)	<0.0004	mg/Kg - dry	0.0004	0.0034	1	04/25/23 13:50		L678442
1,2-Dichloropropane	<0.0011	mg/Kg - dry	0.0011	0.0034	1	04/25/23 13:50	ASH	L678442
1,3-Dichloropropane	<0.0015	mg/Kg - dry	0.0015	0.0034	1	04/25/23 13:50	ASH	L678442
2,2-Dichloropropane	<0.0010	mg/Kg - dry	0.0010	0.0034	1	04/25/23 13:50	ASH	L678442
1,1-Dichloropropene	<0.0006	mg/Kg - dry	0.0006	0.0034	1	04/25/23 13:50	ASH	L678442
cis-1,3-Dichloropropene	<0.0013	mg/Kg - dry	0.0013	0.0034	1	04/25/23 13:50	ASH	L678442
trans-1,3-Dichloropropene	<0.0013	mg/Kg - dry	0.0013	0.0034	1	04/25/23 13:50	ASH	L678442
Ethyl Acetate	<0.0105	mg/Kg - dry	0.0105	0.0695	1	04/25/23 13:50	ASH	L678442
Ethylbenzene	**0.0043**	mg/Kg - dry	0.0011	0.0034	1	04/25/23 13:50	ASH	L678442

Qualifiers/ Definitions

DF Dilution Factor
MQL Method Quantitation Limit
J Estimated value

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Project Legends Park
Information : 198 N. Pauline-Memphis, TN
Project No. 0888834617

Report Date : 04/27/2023
Received : 04/20/2023

Rebekah Ross
Project Manager

Report Number : **23-111-0040**

REPORT OF ANALYSIS

Lab No : **99824**
Sample ID : **LEGSSB36-04**

Matrix: **Solids**
Sampled: **4/20/2023 13:00**

Analytical Method: 8260B **Prep Batch(es):** **L678321** 04/25/23 09:47
Prep Method: 5035

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Batch
Hexachlorobutadiene	<0.0016	mg/Kg - dry	0.0016	0.0034	1	04/25/23 13:50	ASH	L678442
2-Hexanone	<0.0104	mg/Kg - dry	0.0104	0.0173	1	04/25/23 13:50	ASH	L678442
Iodomethane	<0.0079	mg/Kg - dry	0.0079	0.0173	1	04/25/23 13:50	ASH	L678442
Isopropylbenzene	<0.0013	mg/Kg - dry	0.0013	0.0034	1	04/25/23 13:50	ASH	L678442
4-Isopropyl toluene	<0.0016	mg/Kg - dry	0.0016	0.0034	1	04/25/23 13:50	ASH	L678442
4-Methyl-2-Pentanone	<0.0101	mg/Kg - dry	0.0101	0.0173	1	04/25/23 13:50	ASH	L678442
Methylene Chloride	<0.0048	mg/Kg - dry	0.0048	0.0173	1	04/25/23 13:50	ASH	L678442
Methyl tert-butyl ether (MTBE)	<0.0010	mg/Kg - dry	0.0010	0.0034	1	04/25/23 13:50	ASH	L678442
m,p-Xylene	**0.0050 J**	mg/Kg - dry	0.0025	0.0069	1	04/25/23 13:50	ASH	L678442
Naphthalene	<0.0110	mg/Kg - dry	0.0110	0.0173	1	04/25/23 13:50	ASH	L678442
o-Xylene	**0.0021 J**	mg/Kg - dry	0.0013	0.0034	1	04/25/23 13:50	ASH	L678442
n-Propyl acetate	<0.0117	mg/Kg - dry	0.0117	0.0173	1	04/25/23 13:50	ASH	L678442
n-Propylbenzene	<0.0010	mg/Kg - dry	0.0010	0.0034	1	04/25/23 13:50	ASH	L678442
Styrene	<0.0020	mg/Kg - dry	0.0020	0.0034	1	04/25/23 13:50	ASH	L678442
1,1,1,2-Tetrachloroethane	<0.0015	mg/Kg - dry	0.0015	0.0034	1	04/25/23 13:50	ASH	L678442
1,1,2,2-Tetrachloroethane	<0.0032	mg/Kg - dry	0.0032	0.0034	1	04/25/23 13:50	ASH	L678442
Tetrachloroethene	<0.0013	mg/Kg - dry	0.0013	0.0034	1	04/25/23 13:50	ASH	L678442
Toluene	**0.0103**	mg/Kg - dry	0.0056	0.0069	1	04/25/23 13:50	ASH	L678442
1,2,3-Trichlorobenzene	<0.0034	mg/Kg - dry	0.0034	0.0034	1	04/25/23 13:50	ASH	L678442
1,2,4-Trichlorobenzene	<0.0019	mg/Kg - dry	0.0019	0.0034	1	04/25/23 13:50	ASH	L678442
1,1,1-Trichloroethane	<0.0006	mg/Kg - dry	0.0006	0.0034	1	04/25/23 13:50	ASH	L678442
1,1,2-Trichloroethane	<0.0017	mg/Kg - dry	0.0017	0.0034	1	04/25/23 13:50	ASH	L678442

Qualifiers/ Definitions
DF Dilution Factor
MQL Method Quantitation Limit
J Estimated value

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Project Legends Park

Information : 198 N. Pauline-Memphis, TN
Project No. 0888834617

Report Date : 04/27/2023
Received : 04/20/2023

Rebekah Ross
Project Manager

Report Number : **23-111-0040**

REPORT OF ANALYSIS

Lab No : **99824**
Sample ID : **LEGSSB36-04**

Matrix: **Solids**
Sampled: **4/20/2023 13:00**

Analytical Method: 8260B **Prep Batch(es):** **L678321** 04/25/23 09:47
Prep Method: 5035

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Batch
Trichloroethene	<0.0015	mg/Kg - dry	0.0015	0.0034	1	04/25/23 13:50	ASH	L678442
Trichlorofluoromethane	<0.0015	mg/Kg - dry	0.0015	0.0034	1	04/25/23 13:50	ASH	L678442
1,2,3-Trichloropropane	<0.0026	mg/Kg - dry	0.0026	0.0034	1	04/25/23 13:50	ASH	L678442
1,2,4-Trimethylbenzene	**0.0033 J**	mg/Kg - dry	0.0014	0.0034	1	04/25/23 13:50	ASH	L678442
1,3,5-Trimethylbenzene	<0.0015	mg/Kg - dry	0.0015	0.0034	1	04/25/23 13:50	ASH	L678442
Vinyl Acetate	<0.0070	mg/Kg - dry	0.0070	0.0695	1	04/25/23 13:50	ASH	L678442
Vinyl Chloride	<0.0012	mg/Kg - dry	0.0012	0.0034	1	04/25/23 13:50	ASH	L678442
Xylene (Total)	**0.0071 J**	mg/Kg - dry	0.0013	0.0034	1	04/25/23 13:50	KCC	L678442
Surrogate: 4-Bromofluorobenzene	87.4		Limits: 60-140%		1	04/25/23 13:50	ASH	L678442
Surrogate: 1,2-Dichloroethane - d4	117		Limits: 60-140%		1	04/25/23 13:50	ASH	L678442
Surrogate: Toluene-d8	92.1		Limits: 60-140%		1	04/25/23 13:50	ASH	L678442

Qualifiers/ Definitions

DF Dilution Factor
MQL Method Quantitation Limit
J Estimated value

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Report Date : 04/27/2023
Received : 04/20/2023

Rebekah Ross
Project Manager

Report Number : **23-111-0040**

REPORT OF ANALYSIS

Lab No : **99825**
Sample ID : **LEGSSB37-01**

Matrix: **Solids**
Sampled: **4/20/2023 13:15**

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Method
Moisture	**22.2**	%			1	04/24/23 14:15	JLS	SW-DRYWT
Arsenic	**8.70**	mg/Kg - dry	0.308	0.642	1	04/26/23 04:37	BKN	6010D
Barium	**122**	mg/Kg - dry	0.167	0.642	1	04/26/23 04:37	BKN	6010D
Cadmium	**0.395**	mg/Kg - dry	0.0257	0.129	1	04/26/23 04:37	BKN	6010D
Chromium	**14.3**	mg/Kg - dry	0.303	0.321	1	04/26/23 04:37	BKN	6010D
Lead	**33.4**	mg/Kg - dry	0.231	0.385	1	04/26/23 04:37	BKN	6010D
Mercury	**0.123 J**	mg/Kg - dry	0.0271	0.225	1	04/27/23 13:27	FDS	7471A
Selenium	<0.411	mg/Kg - dry	0.411	0.642	1	04/26/23 04:37	BKN	6010D
Silver	<1.03	mg/Kg - dry	1.03	1.61	5	04/26/23 22:00	BKN	6010D

Qualifiers/ Definitions

DF Dilution Factor
MQL Method Quantitation Limit
J Estimated value

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Project Manager

Report Number : **23-111-0040**

REPORT OF ANALYSIS

Lab No : **99825**
Sample ID : **LEGSSB37-01**

Matrix: **Solids**
Sampled: **4/20/2023 13:15**

Analytical Method: 8260B **Prep Batch(es):** **L678321** 04/25/23 09:47
Prep Method: 5035

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Batch
Acetone	**0.157**	mg/Kg - dry	0.0055	0.0514	1	04/25/23 14:23	ASH	L678442
Acetonitrile	<0.0670	mg/Kg - dry	0.0670	0.257	1	04/25/23 14:23	ASH	L678442
Acrolein	<0.0106	mg/Kg - dry	0.0106	0.0514	1	04/25/23 14:23	ASH	L678442
Acrylonitrile	<0.0048	mg/Kg - dry	0.0048	0.0514	1	04/25/23 14:23	ASH	L678442
Benzene	**0.0024 J**	mg/Kg - dry	0.0005	0.0025	1	04/25/23 14:23	ASH	L678442
Bromobenzene	<0.0009	mg/Kg - dry	0.0009	0.0025	1	04/25/23 14:23	ASH	L678442
Bromochloromethane	<0.0005	mg/Kg - dry	0.0005	0.0025	1	04/25/23 14:23	ASH	L678442
Bromodichloromethane	<0.0010	mg/Kg - dry	0.0010	0.0025	1	04/25/23 14:23	ASH	L678442
Bromoform	<0.0016	mg/Kg - dry	0.0016	0.0025	1	04/25/23 14:23	ASH	L678442
Bromomethane	<0.0020	mg/Kg - dry	0.0020	0.0025	1	04/25/23 14:23	ASH	L678442
Methyl Ethyl Ketone (MEK)	**0.0122 J**	mg/Kg - dry	0.0049	0.0514	1	04/25/23 14:23	ASH	L678442
n-Butylbenzene	<0.0012	mg/Kg - dry	0.0012	0.0025	1	04/25/23 14:23	ASH	L678442
sec-Butyl benzene	<0.0012	mg/Kg - dry	0.0012	0.0025	1	04/25/23 14:23	ASH	L678442
tert-Butyl benzene	<0.0009	mg/Kg - dry	0.0009	0.0025	1	04/25/23 14:23	ASH	L678442
Carbon Disulfide	**0.0132**	mg/Kg - dry	0.0036	0.0128	1	04/25/23 14:23	ASH	L678442
Carbon Tetrachloride	<0.0005	mg/Kg - dry	0.0005	0.0025	1	04/25/23 14:23	ASH	L678442
Chlorobenzene	<0.0010	mg/Kg - dry	0.0010	0.0025	1	04/25/23 14:23	ASH	L678442
Chlorodibromomethane	<0.0013	mg/Kg - dry	0.0013	0.0025	1	04/25/23 14:23	ASH	L678442
Chloroethane	<0.0010	mg/Kg - dry	0.0010	0.0025	1	04/25/23 14:23	ASH	L678442
Chloroform	<0.0006	mg/Kg - dry	0.0006	0.0025	1	04/25/23 14:23	ASH	L678442
Chloromethane	<0.0009	mg/Kg - dry	0.0009	0.0025	1	04/25/23 14:23	ASH	L678442
2-Chlorotoluene	<0.0012	mg/Kg - dry	0.0012	0.0025	1	04/25/23 14:23	ASH	L678442

Qualifiers/ Definitions
DF Dilution Factor
MQL Method Quantitation Limit
J Estimated value

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Ms. Allison Harris
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Project Legends Park

Information : 198 N. Pauline-Memphis, TN
Project No. 0888834617

Report Date : 04/27/2023
Received : 04/20/2023

Rebekah Ross
Project Manager

Report Number : **23-111-0040**

REPORT OF ANALYSIS

Lab No : **99825**
Sample ID : **LEGSSB37-01**

Matrix: **Solids**
Sampled: **4/20/2023 13:15**

Analytical Method: 8260B **Prep Batch(es):** **L678321** 04/25/23 09:47
Prep Method: 5035

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Batch
4-Chlorotoluene	<0.0013	mg/Kg - dry	0.0013	0.0025	1	04/25/23 14:23	ASH	L678442
1,2-Dibromo-3-Chloropropane	<0.0084	mg/Kg - dry	0.0084	0.0128	1	04/25/23 14:23	ASH	L678442
1,2-Dibromoethane	<0.0011	mg/Kg - dry	0.0011	0.0025	1	04/25/23 14:23	ASH	L678442
Dibromomethane	<0.0008	mg/Kg - dry	0.0008	0.0025	1	04/25/23 14:23	ASH	L678442
1,2-Dichlorobenzene	<0.0017	mg/Kg - dry	0.0017	0.0025	1	04/25/23 14:23	ASH	L678442
1,3-Dichlorobenzene	<0.0017	mg/Kg - dry	0.0017	0.0025	1	04/25/23 14:23	ASH	L678442
1,4-Dichlorobenzene	<0.0019	mg/Kg - dry	0.0019	0.0025	1	04/25/23 14:23	ASH	L678442
Dichlorodifluoromethane	<0.0024	mg/Kg - dry	0.0024	0.0025	1	04/25/23 14:23	ASH	L678442
1,1-Dichloroethane	<0.0004	mg/Kg - dry	0.0004	0.0025	1	04/25/23 14:23	ASH	L678442
1,2-Dichloroethane	<0.0005	mg/Kg - dry	0.0005	0.0025	1	04/25/23 14:23	ASH	L678442
1,1-Dichloroethene	<0.0007	mg/Kg - dry	0.0007	0.0025	1	04/25/23 14:23	ASH	L678442
cis-1,2-Dichloroethene	<0.0006	mg/Kg - dry	0.0006	0.0025	1	04/25/23 14:23	ASH	L678442
trans-1,2-Dichloroethene	<0.0003	mg/Kg - dry	0.0003	0.0025	1	04/25/23 14:23	ASH	L678442
1,2-Dichloroethene (Total)	<0.0003	mg/Kg - dry	0.0003	0.0025	1	04/25/23 14:23		L678442
1,2-Dichloropropane	<0.0008	mg/Kg - dry	0.0008	0.0025	1	04/25/23 14:23	ASH	L678442
1,3-Dichloropropane	<0.0011	mg/Kg - dry	0.0011	0.0025	1	04/25/23 14:23	ASH	L678442
2,2-Dichloropropane	<0.0007	mg/Kg - dry	0.0007	0.0025	1	04/25/23 14:23	ASH	L678442
1,1-Dichloropropene	<0.0004	mg/Kg - dry	0.0004	0.0025	1	04/25/23 14:23	ASH	L678442
cis-1,3-Dichloropropene	<0.0010	mg/Kg - dry	0.0010	0.0025	1	04/25/23 14:23	ASH	L678442
trans-1,3-Dichloropropene	<0.0009	mg/Kg - dry	0.0009	0.0025	1	04/25/23 14:23	ASH	L678442
Ethyl Acetate	<0.0077	mg/Kg - dry	0.0077	0.0514	1	04/25/23 14:23	ASH	L678442
Ethylbenzene	**0.0016 J**	mg/Kg - dry	0.0008	0.0025	1	04/25/23 14:23	ASH	L678442

Qualifiers/ Definitions

DF Dilution Factor
MQL Method Quantitation Limit
J Estimated value

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Project Legends Park
Information : 198 N. Pauline-Memphis, TN
Project No. 0888834617

Report Date : 04/27/2023
Received : 04/20/2023

Rebekah Ross
Project Manager

Report Number : **23-111-0040**

REPORT OF ANALYSIS

Lab No : **99825**
Sample ID : **LEGSSB37-01**

Matrix: **Solids**
Sampled: **4/20/2023 13:15**

Analytical Method: 8260B **Prep Batch(es):** **L678321** 04/25/23 09:47
Prep Method: 5035

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Batch
Hexachlorobutadiene	<0.0011	mg/Kg - dry	0.0011	0.0025	1	04/25/23 14:23	ASH	L678442
2-Hexanone	<0.0077	mg/Kg - dry	0.0077	0.0128	1	04/25/23 14:23	ASH	L678442
Iodomethane	<0.0058	mg/Kg - dry	0.0058	0.0128	1	04/25/23 14:23	ASH	L678442
Isopropylbenzene	<0.0009	mg/Kg - dry	0.0009	0.0025	1	04/25/23 14:23	ASH	L678442
4-Isopropyl toluene	<0.0012	mg/Kg - dry	0.0012	0.0025	1	04/25/23 14:23	ASH	L678442
4-Methyl-2-Pentanone	<0.0075	mg/Kg - dry	0.0075	0.0128	1	04/25/23 14:23	ASH	L678442
Methylene Chloride	<0.0035	mg/Kg - dry	0.0035	0.0128	1	04/25/23 14:23	ASH	L678442
Methyl tert-butyl ether (MTBE)	<0.0007	mg/Kg - dry	0.0007	0.0025	1	04/25/23 14:23	ASH	L678442
m,p-Xylene	**0.0019 J**	mg/Kg - dry	0.0018	0.0051	1	04/25/23 14:23	ASH	L678442
Naphthalene	<0.0081	mg/Kg - dry	0.0081	0.0128	1	04/25/23 14:23	ASH	L678442
o-Xylene	<0.0010	mg/Kg - dry	0.0010	0.0025	1	04/25/23 14:23	ASH	L678442
n-Propyl acetate	<0.0087	mg/Kg - dry	0.0087	0.0128	1	04/25/23 14:23	ASH	L678442
n-Propylbenzene	<0.0008	mg/Kg - dry	0.0008	0.0025	1	04/25/23 14:23	ASH	L678442
Styrene	<0.0014	mg/Kg - dry	0.0014	0.0025	1	04/25/23 14:23	ASH	L678442
1,1,1,2-Tetrachloroethane	<0.0011	mg/Kg - dry	0.0011	0.0025	1	04/25/23 14:23	ASH	L678442
1,1,2,2-Tetrachloroethane	<0.0024	mg/Kg - dry	0.0024	0.0025	1	04/25/23 14:23	ASH	L678442
Tetrachloroethene	<0.0010	mg/Kg - dry	0.0010	0.0025	1	04/25/23 14:23	ASH	L678442
Toluene	**0.0044 J**	mg/Kg - dry	0.0041	0.0051	1	04/25/23 14:23	ASH	L678442
1,2,3-Trichlorobenzene	<0.0025	mg/Kg - dry	0.0025	0.0025	1	04/25/23 14:23	ASH	L678442
1,2,4-Trichlorobenzene	<0.0014	mg/Kg - dry	0.0014	0.0025	1	04/25/23 14:23	ASH	L678442
1,1,1-Trichloroethane	<0.0005	mg/Kg - dry	0.0005	0.0025	1	04/25/23 14:23	ASH	L678442
1,1,2-Trichloroethane	<0.0013	mg/Kg - dry	0.0013	0.0025	1	04/25/23 14:23	ASH	L678442

Qualifiers/ Definitions
DF Dilution Factor
MQL Method Quantitation Limit
J Estimated value

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Information : 198 N. Pauline-Memphis, TN
Project No. 0888834617

Report Date : 04/27/2023
Received : 04/20/2023

Rebekah Ross
Project Manager

Report Number : **23-111-0040**

REPORT OF ANALYSIS

Lab No : **99825**
Sample ID : **LEGSSB37-01**

Matrix: **Solids**
Sampled: **4/20/2023 13:15**

Analytical Method: 8260B **Prep Batch(es):** **L678321** 04/25/23 09:47
Prep Method: 5035

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Batch
Trichloroethene	<0.0011	mg/Kg - dry	0.0011	0.0025	1	04/25/23 14:23	ASH	L678442
Trichlorofluoromethane	<0.0011	mg/Kg - dry	0.0011	0.0025	1	04/25/23 14:23	ASH	L678442
1,2,3-Trichloropropane	<0.0019	mg/Kg - dry	0.0019	0.0025	1	04/25/23 14:23	ASH	L678442
1,2,4-Trimethylbenzene	**0.0011 J**	mg/Kg - dry	0.0010	0.0025	1	04/25/23 14:23	ASH	L678442
1,3,5-Trimethylbenzene	<0.0011	mg/Kg - dry	0.0011	0.0025	1	04/25/23 14:23	ASH	L678442
Vinyl Acetate	<0.0051	mg/Kg - dry	0.0051	0.0514	1	04/25/23 14:23	ASH	L678442
Vinyl Chloride	<0.0009	mg/Kg - dry	0.0009	0.0025	1	04/25/23 14:23	ASH	L678442
Xylene (Total)	**0.0019 J**	mg/Kg - dry	0.0010	0.0025	1	04/25/23 14:23	KCC	L678442
Surrogate: 4-Bromofluorobenzene	94.7		Limits: 60-140%		1	04/25/23 14:23	ASH	L678442
Surrogate: 1,2-Dichloroethane - d4	119		Limits: 60-140%		1	04/25/23 14:23	ASH	L678442
Surrogate: Toluene-d8	90.3		Limits: 60-140%		1	04/25/23 14:23	ASH	L678442

Qualifiers/ Definitions
DF Dilution Factor
MQL Method Quantitation Limit
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Project No. 0888834617

Report Date : 04/27/2023
Received : 04/20/2023

Rebekah Ross
Project Manager

Report Number : **23-111-0040**

REPORT OF ANALYSIS

Lab No : **99826**
Sample ID : **LEGSSB38-01**

Matrix: **Solids**
Sampled: **4/20/2023 13:33**

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Method
Moisture	**14.9**	%			1	04/24/23 14:15	JLS	SW-DRYWT
Arsenic	**8.10**	mg/Kg - dry	0.282	0.587	1	04/26/23 04:42	BKN	6010D
Barium	**118**	mg/Kg - dry	0.152	0.587	1	04/26/23 04:42	BKN	6010D
Cadmium	**0.422**	mg/Kg - dry	0.0235	0.118	1	04/26/23 04:42	BKN	6010D
Chromium	**14.9**	mg/Kg - dry	0.277	0.293	1	04/26/23 04:42	BKN	6010D
Lead	**31.0**	mg/Kg - dry	0.211	0.352	1	04/26/23 04:42	BKN	6010D
Mercury	**0.0914 J**	mg/Kg - dry	0.0234	0.194	1	04/27/23 13:29	FDS	7471A
Selenium	<0.376	mg/Kg - dry	0.376	0.587	1	04/26/23 04:42	BKN	6010D
Silver	<0.940	mg/Kg - dry	0.940	1.47	5	04/26/23 22:05	BKN	6010D

Qualifiers/ Definitions

DF Dilution Factor
MQL Method Quantitation Limit
J Estimated value

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Report Date : 04/27/2023
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Rebekah Ross
Project Manager

Report Number : **23-111-0040**

REPORT OF ANALYSIS

Lab No : **99826**
Sample ID : **LEGSSB38-01**

Matrix: **Solids**
Sampled: **4/20/2023 13:33**

Analytical Method: 8260B **Prep Batch(es):** **L678321** 04/25/23 09:47
Prep Method: 5035

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Batch
Acetone	**0.116**	mg/Kg - dry	0.0051	0.0470	1	04/25/23 14:57	ASH	L678442
Acetonitrile	<0.0613	mg/Kg - dry	0.0613	0.235	1	04/25/23 14:57	ASH	L678442
Acrolein	<0.0096	mg/Kg - dry	0.0096	0.0470	1	04/25/23 14:57	ASH	L678442
Acrylonitrile	<0.0044	mg/Kg - dry	0.0044	0.0470	1	04/25/23 14:57	ASH	L678442
Benzene	**0.0021 J**	mg/Kg - dry	0.0004	0.0023	1	04/25/23 14:57	ASH	L678442
Bromobenzene	<0.0008	mg/Kg - dry	0.0008	0.0023	1	04/25/23 14:57	ASH	L678442
Bromochloromethane	<0.0005	mg/Kg - dry	0.0005	0.0023	1	04/25/23 14:57	ASH	L678442
Bromodichloromethane	<0.0009	mg/Kg - dry	0.0009	0.0023	1	04/25/23 14:57	ASH	L678442
Bromoform	<0.0015	mg/Kg - dry	0.0015	0.0023	1	04/25/23 14:57	ASH	L678442
Bromomethane	<0.0018	mg/Kg - dry	0.0018	0.0023	1	04/25/23 14:57	ASH	L678442
Methyl Ethyl Ketone (MEK)	**0.0094 J**	mg/Kg - dry	0.0044	0.0470	1	04/25/23 14:57	ASH	L678442
n-Butylbenzene	<0.0011	mg/Kg - dry	0.0011	0.0023	1	04/25/23 14:57	ASH	L678442
sec-Butyl benzene	<0.0011	mg/Kg - dry	0.0011	0.0023	1	04/25/23 14:57	ASH	L678442
tert-Butyl benzene	<0.0008	mg/Kg - dry	0.0008	0.0023	1	04/25/23 14:57	ASH	L678442
Carbon Disulfide	**0.0128**	mg/Kg - dry	0.0033	0.0117	1	04/25/23 14:57	ASH	L678442
Carbon Tetrachloride	<0.0004	mg/Kg - dry	0.0004	0.0023	1	04/25/23 14:57	ASH	L678442
Chlorobenzene	<0.0009	mg/Kg - dry	0.0009	0.0023	1	04/25/23 14:57	ASH	L678442
Chlorodibromomethane	<0.0012	mg/Kg - dry	0.0012	0.0023	1	04/25/23 14:57	ASH	L678442
Chloroethane	<0.0009	mg/Kg - dry	0.0009	0.0023	1	04/25/23 14:57	ASH	L678442
Chloroform	<0.0006	mg/Kg - dry	0.0006	0.0023	1	04/25/23 14:57	ASH	L678442
Chloromethane	<0.0008	mg/Kg - dry	0.0008	0.0023	1	04/25/23 14:57	ASH	L678442
2-Chlorotoluene	<0.0011	mg/Kg - dry	0.0011	0.0023	1	04/25/23 14:57	ASH	L678442

Qualifiers/ Definitions
DF Dilution Factor
MQL Method Quantitation Limit
J Estimated value

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Project Legends Park

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Project No. 0888834617

Report Date : 04/27/2023
Received : 04/20/2023

Rebekah Ross
Project Manager

Report Number : **23-111-0040**

REPORT OF ANALYSIS

Lab No : **99826**
Sample ID : **LEGSSB38-01**

Matrix: **Solids**
Sampled: **4/20/2023 13:33**

Analytical Method: 8260B **Prep Batch(es):** **L678321** 04/25/23 09:47
Prep Method: 5035

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Batch
4-Chlorotoluene	<0.0012	mg/Kg - dry	0.0012	0.0023	1	04/25/23 14:57	ASH	L678442
1,2-Dibromo-3-Chloropropane	<0.0077	mg/Kg - dry	0.0077	0.0117	1	04/25/23 14:57	ASH	L678442
1,2-Dibromoethane	<0.0010	mg/Kg - dry	0.0010	0.0023	1	04/25/23 14:57	ASH	L678442
Dibromomethane	<0.0008	mg/Kg - dry	0.0008	0.0023	1	04/25/23 14:57	ASH	L678442
1,2-Dichlorobenzene	<0.0016	mg/Kg - dry	0.0016	0.0023	1	04/25/23 14:57	ASH	L678442
1,3-Dichlorobenzene	<0.0015	mg/Kg - dry	0.0015	0.0023	1	04/25/23 14:57	ASH	L678442
1,4-Dichlorobenzene	<0.0017	mg/Kg - dry	0.0017	0.0023	1	04/25/23 14:57	ASH	L678442
Dichlorodifluoromethane	<0.0022	mg/Kg - dry	0.0022	0.0023	1	04/25/23 14:57	ASH	L678442
1,1-Dichloroethane	<0.0004	mg/Kg - dry	0.0004	0.0023	1	04/25/23 14:57	ASH	L678442
1,2-Dichloroethane	<0.0005	mg/Kg - dry	0.0005	0.0023	1	04/25/23 14:57	ASH	L678442
1,1-Dichloroethene	<0.0006	mg/Kg - dry	0.0006	0.0023	1	04/25/23 14:57	ASH	L678442
cis-1,2-Dichloroethene	<0.0006	mg/Kg - dry	0.0006	0.0023	1	04/25/23 14:57	ASH	L678442
trans-1,2-Dichloroethene	<0.0003	mg/Kg - dry	0.0003	0.0023	1	04/25/23 14:57	ASH	L678442
1,2-Dichloroethene (Total)	<0.0003	mg/Kg - dry	0.0003	0.0023	1	04/25/23 14:57		L678442
1,2-Dichloropropane	<0.0007	mg/Kg - dry	0.0007	0.0023	1	04/25/23 14:57	ASH	L678442
1,3-Dichloropropane	<0.0010	mg/Kg - dry	0.0010	0.0023	1	04/25/23 14:57	ASH	L678442
2,2-Dichloropropane	<0.0006	mg/Kg - dry	0.0006	0.0023	1	04/25/23 14:57	ASH	L678442
1,1-Dichloropropene	<0.0004	mg/Kg - dry	0.0004	0.0023	1	04/25/23 14:57	ASH	L678442
cis-1,3-Dichloropropene	<0.0009	mg/Kg - dry	0.0009	0.0023	1	04/25/23 14:57	ASH	L678442
trans-1,3-Dichloropropene	<0.0008	mg/Kg - dry	0.0008	0.0023	1	04/25/23 14:57	ASH	L678442
Ethyl Acetate	<0.0071	mg/Kg - dry	0.0071	0.0470	1	04/25/23 14:57	ASH	L678442
Ethylbenzene	**0.0012 J**	mg/Kg - dry	0.0007	0.0023	1	04/25/23 14:57	ASH	L678442

Qualifiers/ Definitions

DF Dilution Factor
MQL Method Quantitation Limit
J Estimated value

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Project No. 0888834617

Report Date : 04/27/2023
Received : 04/20/2023

Rebekah Ross
Project Manager

Report Number : **23-111-0040**

REPORT OF ANALYSIS

Lab No : **99826**
Sample ID : **LEGSSB38-01**

Matrix: **Solids**
Sampled: **4/20/2023 13:33**

Analytical Method: 8260B **Prep Batch(es):** **L678321** 04/25/23 09:47
Prep Method: 5035

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Batch
Hexachlorobutadiene	<0.0010	mg/Kg - dry	0.0010	0.0023	1	04/25/23 14:57	ASH	L678442
2-Hexanone	<0.0070	mg/Kg - dry	0.0070	0.0117	1	04/25/23 14:57	ASH	L678442
Iodomethane	<0.0053	mg/Kg - dry	0.0053	0.0117	1	04/25/23 14:57	ASH	L678442
Isopropylbenzene	<0.0008	mg/Kg - dry	0.0008	0.0023	1	04/25/23 14:57	ASH	L678442
4-Isopropyl toluene	<0.0011	mg/Kg - dry	0.0011	0.0023	1	04/25/23 14:57	ASH	L678442
4-Methyl-2-Pentanone	<0.0068	mg/Kg - dry	0.0068	0.0117	1	04/25/23 14:57	ASH	L678442
Methylene Chloride	<0.0032	mg/Kg - dry	0.0032	0.0117	1	04/25/23 14:57	ASH	L678442
Methyl tert-butyl ether (MTBE)	<0.0007	mg/Kg - dry	0.0007	0.0023	1	04/25/23 14:57	ASH	L678442
m,p-Xylene	<0.0016	mg/Kg - dry	0.0016	0.0047	1	04/25/23 14:57	ASH	L678442
Naphthalene	<0.0074	mg/Kg - dry	0.0074	0.0117	1	04/25/23 14:57	ASH	L678442
o-Xylene	<0.0009	mg/Kg - dry	0.0009	0.0023	1	04/25/23 14:57	ASH	L678442
n-Propyl acetate	<0.0079	mg/Kg - dry	0.0079	0.0117	1	04/25/23 14:57	ASH	L678442
n-Propylbenzene	<0.0007	mg/Kg - dry	0.0007	0.0023	1	04/25/23 14:57	ASH	L678442
Styrene	<0.0013	mg/Kg - dry	0.0013	0.0023	1	04/25/23 14:57	ASH	L678442
1,1,1,2-Tetrachloroethane	<0.0010	mg/Kg - dry	0.0010	0.0023	1	04/25/23 14:57	ASH	L678442
1,1,2,2-Tetrachloroethane	<0.0021	mg/Kg - dry	0.0021	0.0023	1	04/25/23 14:57	ASH	L678442
Tetrachloroethene	<0.0009	mg/Kg - dry	0.0009	0.0023	1	04/25/23 14:57	ASH	L678442
Toluene	**0.0039 J**	mg/Kg - dry	0.0038	0.0047	1	04/25/23 14:57	ASH	L678442
1,2,3-Trichlorobenzene	<0.0023	mg/Kg - dry	0.0023	0.0023	1	04/25/23 14:57	ASH	L678442
1,2,4-Trichlorobenzene	<0.0013	mg/Kg - dry	0.0013	0.0023	1	04/25/23 14:57	ASH	L678442
1,1,1-Trichloroethane	<0.0004	mg/Kg - dry	0.0004	0.0023	1	04/25/23 14:57	ASH	L678442
1,1,2-Trichloroethane	<0.0011	mg/Kg - dry	0.0011	0.0023	1	04/25/23 14:57	ASH	L678442

Qualifiers/ Definitions
DF Dilution Factor
MQL Method Quantitation Limit
J Estimated value

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Project Legends Park
Information : 198 N. Pauline-Memphis, TN
Project No. 0888834617

Report Date : 04/27/2023
Received : 04/20/2023

Rebekah Ross
Project Manager

Report Number : **23-111-0040**

REPORT OF ANALYSIS

Lab No : **99826**
Sample ID : **LEGSSB38-01**

Matrix: **Solids**
Sampled: **4/20/2023 13:33**

Analytical Method: 8260B **Prep Batch(es):** **L678321** 04/25/23 09:47
Prep Method: 5035

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Batch
Trichloroethene	<0.0010	mg/Kg - dry	0.0010	0.0023	1	04/25/23 14:57	ASH	L678442
Trichlorofluoromethane	<0.0010	mg/Kg - dry	0.0010	0.0023	1	04/25/23 14:57	ASH	L678442
1,2,3-Trichloropropane	<0.0017	mg/Kg - dry	0.0017	0.0023	1	04/25/23 14:57	ASH	L678442
1,2,4-Trimethylbenzene	<0.0009	mg/Kg - dry	0.0009	0.0023	1	04/25/23 14:57	ASH	L678442
1,3,5-Trimethylbenzene	<0.0010	mg/Kg - dry	0.0010	0.0023	1	04/25/23 14:57	ASH	L678442
Vinyl Acetate	<0.0047	mg/Kg - dry	0.0047	0.0470	1	04/25/23 14:57	ASH	L678442
Vinyl Chloride	<0.0008	mg/Kg - dry	0.0008	0.0023	1	04/25/23 14:57	ASH	L678442
Xylene (Total)	<0.0009	mg/Kg - dry	0.0009	0.0023	1	04/25/23 14:57	KCC	L678442
Surrogate: 4-Bromofluorobenzene	82.2		Limits: 60-140%		1	04/25/23 14:57	ASH	L678442
Surrogate: 1,2-Dichloroethane - d4	121		Limits: 60-140%		1	04/25/23 14:57	ASH	L678442
Surrogate: Toluene-d8	90.1		Limits: 60-140%		1	04/25/23 14:57	ASH	L678442

Qualifiers/ Definitions
DF Dilution Factor
MQL Method Quantitation Limit
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Rebekah Ross
Project Manager

Report Number : **23-111-0040**

REPORT OF ANALYSIS

Lab No : **99827**
Sample ID : **LEGSSB38-03**

Matrix: **Solids**
Sampled: **4/20/2023 13:38**

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Method
Moisture	**13.9**	%			1	04/24/23 14:15	JLS	SW-DRYWT
Arsenic	**8.03**	mg/Kg - dry	0.278	0.580	1	04/26/23 04:57	BKN	6010D
Barium	**127**	mg/Kg - dry	0.150	0.580	1	04/26/23 04:57	BKN	6010D
Cadmium	**0.434**	mg/Kg - dry	0.0232	0.116	1	04/26/23 04:57	BKN	6010D
Chromium	**15.7**	mg/Kg - dry	0.274	0.290	1	04/26/23 04:57	BKN	6010D
Lead	**25.0**	mg/Kg - dry	0.209	0.348	1	04/26/23 04:57	BKN	6010D
Mercury	**0.0944 J**	mg/Kg - dry	0.0251	0.208	1	04/27/23 13:33	FDS	7471A
Selenium	<0.371	mg/Kg - dry	0.371	0.580	1	04/26/23 04:57	BKN	6010D
Silver	<0.929	mg/Kg - dry	0.929	1.45	5	04/26/23 22:10	BKN	6010D

Qualifiers/ Definitions

DF Dilution Factor
MQL Method Quantitation Limit
J Estimated value

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Report Date : 04/27/2023
Received : 04/20/2023

Rebekah Ross
Project Manager

Report Number : **23-111-0040**

REPORT OF ANALYSIS

Lab No : **99827**
Sample ID : **LEGSSB38-03**

Matrix: **Solids**
Sampled: **4/20/2023 13:38**

Analytical Method: 8260B **Prep Batch(es):** **L678321** 04/25/23 09:47
Prep Method: 5035

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Batch
Acetone	**0.0694**	mg/Kg - dry	0.0050	0.0464	1	04/25/23 15:30	ASH	L678442
Acetonitrile	<0.0606	mg/Kg - dry	0.0606	0.232	1	04/25/23 15:30	ASH	L678442
Acrolein	<0.0095	mg/Kg - dry	0.0095	0.0464	1	04/25/23 15:30	ASH	L678442
Acrylonitrile	<0.0044	mg/Kg - dry	0.0044	0.0464	1	04/25/23 15:30	ASH	L678442
Benzene	**0.0025**	mg/Kg - dry	0.0004	0.0023	1	04/25/23 15:30	ASH	L678442
Bromobenzene	<0.0008	mg/Kg - dry	0.0008	0.0023	1	04/25/23 15:30	ASH	L678442
Bromochloromethane	<0.0004	mg/Kg - dry	0.0004	0.0023	1	04/25/23 15:30	ASH	L678442
Bromodichloromethane	<0.0009	mg/Kg - dry	0.0009	0.0023	1	04/25/23 15:30	ASH	L678442
Bromoform	<0.0015	mg/Kg - dry	0.0015	0.0023	1	04/25/23 15:30	ASH	L678442
Bromomethane	<0.0018	mg/Kg - dry	0.0018	0.0023	1	04/25/23 15:30	ASH	L678442
Methyl Ethyl Ketone (MEK)	**0.0066 J**	mg/Kg - dry	0.0044	0.0464	1	04/25/23 15:30	ASH	L678442
n-Butylbenzene	<0.0010	mg/Kg - dry	0.0010	0.0023	1	04/25/23 15:30	ASH	L678442
sec-Butyl benzene	<0.0010	mg/Kg - dry	0.0010	0.0023	1	04/25/23 15:30	ASH	L678442
tert-Butyl benzene	<0.0008	mg/Kg - dry	0.0008	0.0023	1	04/25/23 15:30	ASH	L678442
Carbon Disulfide	**0.0106 J**	mg/Kg - dry	0.0032	0.0116	1	04/25/23 15:30	ASH	L678442
Carbon Tetrachloride	<0.0004	mg/Kg - dry	0.0004	0.0023	1	04/25/23 15:30	ASH	L678442
Chlorobenzene	<0.0009	mg/Kg - dry	0.0009	0.0023	1	04/25/23 15:30	ASH	L678442
Chlorodibromomethane	<0.0012	mg/Kg - dry	0.0012	0.0023	1	04/25/23 15:30	ASH	L678442
Chloroethane	<0.0009	mg/Kg - dry	0.0009	0.0023	1	04/25/23 15:30	ASH	L678442
Chloroform	<0.0006	mg/Kg - dry	0.0006	0.0023	1	04/25/23 15:30	ASH	L678442
Chloromethane	<0.0008	mg/Kg - dry	0.0008	0.0023	1	04/25/23 15:30	ASH	L678442
2-Chlorotoluene	<0.0011	mg/Kg - dry	0.0011	0.0023	1	04/25/23 15:30	ASH	L678442

Qualifiers/ Definitions

DF Dilution Factor
MQL Method Quantitation Limit
J Estimated value

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Project Legends Park

Information : 198 N. Pauline-Memphis, TN
Project No. 0888834617

Report Date : 04/27/2023
Received : 04/20/2023

Rebekah Ross
Project Manager

Report Number : **23-111-0040**

REPORT OF ANALYSIS

Lab No : **99827**
Sample ID : **LEGSSB38-03**

Matrix: **Solids**
Sampled: **4/20/2023 13:38**

Analytical Method: 8260B **Prep Batch(es):** **L678321** 04/25/23 09:47
Prep Method: 5035

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Batch
4-Chlorotoluene	<0.0012	mg/Kg - dry	0.0012	0.0023	1	04/25/23 15:30	ASH	L678442
1,2-Dibromo-3-Chloropropane	<0.0076	mg/Kg - dry	0.0076	0.0116	1	04/25/23 15:30	ASH	L678442
1,2-Dibromoethane	<0.0010	mg/Kg - dry	0.0010	0.0023	1	04/25/23 15:30	ASH	L678442
Dibromomethane	<0.0008	mg/Kg - dry	0.0008	0.0023	1	04/25/23 15:30	ASH	L678442
1,2-Dichlorobenzene	<0.0016	mg/Kg - dry	0.0016	0.0023	1	04/25/23 15:30	ASH	L678442
1,3-Dichlorobenzene	<0.0015	mg/Kg - dry	0.0015	0.0023	1	04/25/23 15:30	ASH	L678442
1,4-Dichlorobenzene	<0.0017	mg/Kg - dry	0.0017	0.0023	1	04/25/23 15:30	ASH	L678442
Dichlorodifluoromethane	<0.0021	mg/Kg - dry	0.0021	0.0023	1	04/25/23 15:30	ASH	L678442
1,1-Dichloroethane	<0.0004	mg/Kg - dry	0.0004	0.0023	1	04/25/23 15:30	ASH	L678442
1,2-Dichloroethane	<0.0004	mg/Kg - dry	0.0004	0.0023	1	04/25/23 15:30	ASH	L678442
1,1-Dichloroethene	<0.0006	mg/Kg - dry	0.0006	0.0023	1	04/25/23 15:30	ASH	L678442
cis-1,2-Dichloroethene	<0.0006	mg/Kg - dry	0.0006	0.0023	1	04/25/23 15:30	ASH	L678442
trans-1,2-Dichloroethene	<0.0003	mg/Kg - dry	0.0003	0.0023	1	04/25/23 15:30	ASH	L678442
1,2-Dichloroethene (Total)	<0.0003	mg/Kg - dry	0.0003	0.0023	1	04/25/23 15:30		L678442
1,2-Dichloropropane	<0.0007	mg/Kg - dry	0.0007	0.0023	1	04/25/23 15:30	ASH	L678442
1,3-Dichloropropane	<0.0010	mg/Kg - dry	0.0010	0.0023	1	04/25/23 15:30	ASH	L678442
2,2-Dichloropropane	<0.0006	mg/Kg - dry	0.0006	0.0023	1	04/25/23 15:30	ASH	L678442
1,1-Dichloropropene	<0.0004	mg/Kg - dry	0.0004	0.0023	1	04/25/23 15:30	ASH	L678442
cis-1,3-Dichloropropene	<0.0009	mg/Kg - dry	0.0009	0.0023	1	04/25/23 15:30	ASH	L678442
trans-1,3-Dichloropropene	<0.0008	mg/Kg - dry	0.0008	0.0023	1	04/25/23 15:30	ASH	L678442
Ethyl Acetate	<0.0070	mg/Kg - dry	0.0070	0.0464	1	04/25/23 15:30	ASH	L678442
Ethylbenzene	**0.0020 J**	mg/Kg - dry	0.0007	0.0023	1	04/25/23 15:30	ASH	L678442

Qualifiers/ Definitions

DF Dilution Factor
MQL Method Quantitation Limit
J Estimated value

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Project Legends Park
Information : 198 N. Pauline-Memphis, TN
Project No. 0888834617

Report Date : 04/27/2023
Received : 04/20/2023

Rebekah Ross
Project Manager

Report Number : **23-111-0040**

REPORT OF ANALYSIS

Lab No : **99827**
Sample ID : **LEGSSB38-03**

Matrix: **Solids**
Sampled: **4/20/2023 13:38**

Analytical Method: 8260B **Prep Batch(es):** **L678321** 04/25/23 09:47
Prep Method: 5035

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Batch
Hexachlorobutadiene	<0.0010	mg/Kg - dry	0.0010	0.0023	1	04/25/23 15:30	ASH	L678442
2-Hexanone	<0.0069	mg/Kg - dry	0.0069	0.0116	1	04/25/23 15:30	ASH	L678442
Iodomethane	<0.0052	mg/Kg - dry	0.0052	0.0116	1	04/25/23 15:30	ASH	L678442
Isopropylbenzene	<0.0008	mg/Kg - dry	0.0008	0.0023	1	04/25/23 15:30	ASH	L678442
4-Isopropyl toluene	<0.0011	mg/Kg - dry	0.0011	0.0023	1	04/25/23 15:30	ASH	L678442
4-Methyl-2-Pentanone	<0.0067	mg/Kg - dry	0.0067	0.0116	1	04/25/23 15:30	ASH	L678442
Methylene Chloride	<0.0032	mg/Kg - dry	0.0032	0.0116	1	04/25/23 15:30	ASH	L678442
Methyl tert-butyl ether (MTBE)	<0.0007	mg/Kg - dry	0.0007	0.0023	1	04/25/23 15:30	ASH	L678442
m,p-Xylene	**0.0023 J**	mg/Kg - dry	0.0016	0.0046	1	04/25/23 15:30	ASH	L678442
Naphthalene	<0.0073	mg/Kg - dry	0.0073	0.0116	1	04/25/23 15:30	ASH	L678442
o-Xylene	**0.0009 J**	mg/Kg - dry	0.0009	0.0023	1	04/25/23 15:30	ASH	L678442
n-Propyl acetate	<0.0078	mg/Kg - dry	0.0078	0.0116	1	04/25/23 15:30	ASH	L678442
n-Propylbenzene	<0.0007	mg/Kg - dry	0.0007	0.0023	1	04/25/23 15:30	ASH	L678442
Styrene	<0.0013	mg/Kg - dry	0.0013	0.0023	1	04/25/23 15:30	ASH	L678442
1,1,1,2-Tetrachloroethane	<0.0010	mg/Kg - dry	0.0010	0.0023	1	04/25/23 15:30	ASH	L678442
1,1,2,2-Tetrachloroethane	<0.0021	mg/Kg - dry	0.0021	0.0023	1	04/25/23 15:30	ASH	L678442
Tetrachloroethene	<0.0009	mg/Kg - dry	0.0009	0.0023	1	04/25/23 15:30	ASH	L678442
Toluene	**0.0049**	mg/Kg - dry	0.0037	0.0046	1	04/25/23 15:30	ASH	L678442
1,2,3-Trichlorobenzene	<0.0023	mg/Kg - dry	0.0023	0.0023	1	04/25/23 15:30	ASH	L678442
1,2,4-Trichlorobenzene	<0.0013	mg/Kg - dry	0.0013	0.0023	1	04/25/23 15:30	ASH	L678442
1,1,1-Trichloroethane	<0.0004	mg/Kg - dry	0.0004	0.0023	1	04/25/23 15:30	ASH	L678442
1,1,2-Trichloroethane	<0.0011	mg/Kg - dry	0.0011	0.0023	1	04/25/23 15:30	ASH	L678442

Qualifiers/ Definitions
DF Dilution Factor
MQL Method Quantitation Limit
J Estimated value

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Project Legends Park
Information : 198 N. Pauline-Memphis, TN
Project No. 0888834617

Report Date : 04/27/2023
Received : 04/20/2023

Rebekah Ross
Project Manager

Report Number : **23-111-0040**

REPORT OF ANALYSIS

Lab No : **99827**
Sample ID : **LEGSSB38-03**

Matrix: **Solids**
Sampled: **4/20/2023 13:38**

Analytical Method: 8260B **Prep Batch(es):** **L678321** 04/25/23 09:47
Prep Method: 5035

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Batch
Trichloroethene	<0.0010	mg/Kg - dry	0.0010	0.0023	1	04/25/23 15:30	ASH	L678442
Trichlorofluoromethane	<0.0010	mg/Kg - dry	0.0010	0.0023	1	04/25/23 15:30	ASH	L678442
1,2,3-Trichloropropane	<0.0017	mg/Kg - dry	0.0017	0.0023	1	04/25/23 15:30	ASH	L678442
1,2,4-Trimethylbenzene	**0.0013 J**	mg/Kg - dry	0.0009	0.0023	1	04/25/23 15:30	ASH	L678442
1,3,5-Trimethylbenzene	<0.0010	mg/Kg - dry	0.0010	0.0023	1	04/25/23 15:30	ASH	L678442
Vinyl Acetate	<0.0046	mg/Kg - dry	0.0046	0.0464	1	04/25/23 15:30	ASH	L678442
Vinyl Chloride	<0.0008	mg/Kg - dry	0.0008	0.0023	1	04/25/23 15:30	ASH	L678442
Xylene (Total)	**0.0032 J**	mg/Kg - dry	0.0009	0.0023	1	04/25/23 15:30	KCC	L678442
Surrogate: 4-Bromofluorobenzene	88.0		Limits: 60-140%		1	04/25/23 15:30	ASH	L678442
Surrogate: 1,2-Dichloroethane - d4	113		Limits: 60-140%		1	04/25/23 15:30	ASH	L678442
Surrogate: Toluene-d8	90.5		Limits: 60-140%		1	04/25/23 15:30	ASH	L678442

Qualifiers/ Definitions
DF Dilution Factor
MQL Method Quantitation Limit
J Estimated value

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Report Date : 04/27/2023
Received : 04/20/2023

Rebekah Ross
Project Manager

Report Number : **23-111-0040**

REPORT OF ANALYSIS

Lab No : **99828**
Sample ID : **LEGSSB39-01**

Matrix: **Solids**
Sampled: **4/20/2023 13:46**

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Method
Moisture	**14.4**	%			1	04/24/23 14:15	JLS	SW-DRYWT
Arsenic	**8.79**	mg/Kg - dry	0.280	0.584	1	04/26/23 05:03	BKN	6010D
Barium	**115**	mg/Kg - dry	0.151	0.584	1	04/26/23 05:03	BKN	6010D
Cadmium	**0.543**	mg/Kg - dry	0.0233	0.117	1	04/26/23 05:03	BKN	6010D
Chromium	**15.3**	mg/Kg - dry	0.275	0.292	1	04/26/23 05:03	BKN	6010D
Lead	**24.9**	mg/Kg - dry	0.210	0.350	1	04/26/23 05:03	BKN	6010D
Mercury	**0.0799 J**	mg/Kg - dry	0.0269	0.223	1	04/27/23 13:34	FDS	7471A
Selenium	<0.373	mg/Kg - dry	0.373	0.584	1	04/26/23 05:03	BKN	6010D
Silver	<0.935	mg/Kg - dry	0.935	1.46	5	04/26/23 22:16	BKN	6010D

Qualifiers/ Definitions

DF Dilution Factor
MQL Method Quantitation Limit
J Estimated value

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Report Date : 04/27/2023
Received : 04/20/2023

Rebekah Ross
Project Manager

Report Number : **23-111-0040**

REPORT OF ANALYSIS

Lab No : **99828**
Sample ID : **LEGSSB39-01**

Matrix: **Solids**
Sampled: **4/20/2023 13:46**

Analytical Method: 8260B **Prep Batch(es):** **L678321** 04/25/23 09:47
Prep Method: 5035

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Batch
Acetone	**0.117**	mg/Kg - dry	0.0053	0.0488	1	04/25/23 16:03	ASH	L678442
Acetonitrile	<0.0636	mg/Kg - dry	0.0636	0.244	1	04/25/23 16:03	ASH	L678442
Acrolein	<0.0100	mg/Kg - dry	0.0100	0.0488	1	04/25/23 16:03	ASH	L678442
Acrylonitrile	<0.0046	mg/Kg - dry	0.0046	0.0488	1	04/25/23 16:03	ASH	L678442
Benzene	**0.0032**	mg/Kg - dry	0.0004	0.0024	1	04/25/23 16:03	ASH	L678442
Bromobenzene	<0.0009	mg/Kg - dry	0.0009	0.0024	1	04/25/23 16:03	ASH	L678442
Bromochloromethane	<0.0005	mg/Kg - dry	0.0005	0.0024	1	04/25/23 16:03	ASH	L678442
Bromodichloromethane	<0.0009	mg/Kg - dry	0.0009	0.0024	1	04/25/23 16:03	ASH	L678442
Bromoform	<0.0016	mg/Kg - dry	0.0016	0.0024	1	04/25/23 16:03	ASH	L678442
Bromomethane	<0.0019	mg/Kg - dry	0.0019	0.0024	1	04/25/23 16:03	ASH	L678442
Methyl Ethyl Ketone (MEK)	**0.0107 J**	mg/Kg - dry	0.0046	0.0488	1	04/25/23 16:03	ASH	L678442
n-Butylbenzene	<0.0011	mg/Kg - dry	0.0011	0.0024	1	04/25/23 16:03	ASH	L678442
sec-Butyl benzene	<0.0011	mg/Kg - dry	0.0011	0.0024	1	04/25/23 16:03	ASH	L678442
tert-Butyl benzene	<0.0009	mg/Kg - dry	0.0009	0.0024	1	04/25/23 16:03	ASH	L678442
Carbon Disulfide	**0.0337**	mg/Kg - dry	0.0034	0.0121	1	04/25/23 16:03	ASH	L678442
Carbon Tetrachloride	<0.0005	mg/Kg - dry	0.0005	0.0024	1	04/25/23 16:03	ASH	L678442
Chlorobenzene	<0.0009	mg/Kg - dry	0.0009	0.0024	1	04/25/23 16:03	ASH	L678442
Chlorodibromomethane	<0.0012	mg/Kg - dry	0.0012	0.0024	1	04/25/23 16:03	ASH	L678442
Chloroethane	<0.0010	mg/Kg - dry	0.0010	0.0024	1	04/25/23 16:03	ASH	L678442
Chloroform	<0.0006	mg/Kg - dry	0.0006	0.0024	1	04/25/23 16:03	ASH	L678442
Chloromethane	<0.0008	mg/Kg - dry	0.0008	0.0024	1	04/25/23 16:03	ASH	L678442
2-Chlorotoluene	<0.0012	mg/Kg - dry	0.0012	0.0024	1	04/25/23 16:03	ASH	L678442

Qualifiers/ Definitions
DF Dilution Factor
MQL Method Quantitation Limit
J Estimated value

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Ms. Allison Harris
5724 Summer Tree Drive
Memphis , TN 38134

Project Legends Park
Information : 198 N. Pauline-Memphis, TN
Project No. 0888834617

Report Date : 04/27/2023
Received : 04/20/2023

Rebekah Ross
Project Manager

Report Number : **23-111-0040**

REPORT OF ANALYSIS

Lab No : **99828**
Sample ID : **LEGSSB39-01**

Matrix: **Solids**
Sampled: **4/20/2023 13:46**

Analytical Method: 8260B **Prep Batch(es):** **L678321** 04/25/23 09:47
Prep Method: 5035

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Batch
4-Chlorotoluene	<0.0013	mg/Kg - dry	0.0013	0.0024	1	04/25/23 16:03	ASH	L678442
1,2-Dibromo-3-Chloropropane	<0.0080	mg/Kg - dry	0.0080	0.0121	1	04/25/23 16:03	ASH	L678442
1,2-Dibromoethane	<0.0010	mg/Kg - dry	0.0010	0.0024	1	04/25/23 16:03	ASH	L678442
Dibromomethane	<0.0008	mg/Kg - dry	0.0008	0.0024	1	04/25/23 16:03	ASH	L678442
1,2-Dichlorobenzene	<0.0017	mg/Kg - dry	0.0017	0.0024	1	04/25/23 16:03	ASH	L678442
1,3-Dichlorobenzene	<0.0016	mg/Kg - dry	0.0016	0.0024	1	04/25/23 16:03	ASH	L678442
1,4-Dichlorobenzene	<0.0018	mg/Kg - dry	0.0018	0.0024	1	04/25/23 16:03	ASH	L678442
Dichlorodifluoromethane	<0.0023	mg/Kg - dry	0.0023	0.0024	1	04/25/23 16:03	ASH	L678442
1,1-Dichloroethane	<0.0004	mg/Kg - dry	0.0004	0.0024	1	04/25/23 16:03	ASH	L678442
1,2-Dichloroethane	<0.0005	mg/Kg - dry	0.0005	0.0024	1	04/25/23 16:03	ASH	L678442
1,1-Dichloroethene	<0.0007	mg/Kg - dry	0.0007	0.0024	1	04/25/23 16:03	ASH	L678442
cis-1,2-Dichloroethene	<0.0006	mg/Kg - dry	0.0006	0.0024	1	04/25/23 16:03	ASH	L678442
trans-1,2-Dichloroethene	<0.0003	mg/Kg - dry	0.0003	0.0024	1	04/25/23 16:03	ASH	L678442
1,2-Dichloroethene (Total)	<0.0003	mg/Kg - dry	0.0003	0.0024	1	04/25/23 16:03		L678442
1,2-Dichloropropane	<0.0007	mg/Kg - dry	0.0007	0.0024	1	04/25/23 16:03	ASH	L678442
1,3-Dichloropropane	<0.0011	mg/Kg - dry	0.0011	0.0024	1	04/25/23 16:03	ASH	L678442
2,2-Dichloropropane	<0.0007	mg/Kg - dry	0.0007	0.0024	1	04/25/23 16:03	ASH	L678442
1,1-Dichloropropene	<0.0004	mg/Kg - dry	0.0004	0.0024	1	04/25/23 16:03	ASH	L678442
cis-1,3-Dichloropropene	<0.0009	mg/Kg - dry	0.0009	0.0024	1	04/25/23 16:03	ASH	L678442
trans-1,3-Dichloropropene	<0.0009	mg/Kg - dry	0.0009	0.0024	1	04/25/23 16:03	ASH	L678442
Ethyl Acetate	<0.0073	mg/Kg - dry	0.0073	0.0488	1	04/25/23 16:03	ASH	L678442
Ethylbenzene	**0.0025**	mg/Kg - dry	0.0007	0.0024	1	04/25/23 16:03	ASH	L678442

Qualifiers/ Definitions
DF Dilution Factor
MQL Method Quantitation Limit
J Estimated value

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Project Legends Park
Information : 198 N. Pauline-Memphis, TN
Project No. 0888834617

Report Date : 04/27/2023
Received : 04/20/2023

Rebekah Ross
Project Manager

Report Number : **23-111-0040**

REPORT OF ANALYSIS

Lab No : **99828**
Sample ID : **LEGSSB39-01**

Matrix: **Solids**
Sampled: **4/20/2023 13:46**

Analytical Method: 8260B **Prep Batch(es):** **L678321** 04/25/23 09:47
Prep Method: 5035

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Batch
Hexachlorobutadiene	<0.0011	mg/Kg - dry	0.0011	0.0024	1	04/25/23 16:03	ASH	L678442
2-Hexanone	<0.0073	mg/Kg - dry	0.0073	0.0121	1	04/25/23 16:03	ASH	L678442
Iodomethane	<0.0055	mg/Kg - dry	0.0055	0.0121	1	04/25/23 16:03	ASH	L678442
Isopropylbenzene	<0.0009	mg/Kg - dry	0.0009	0.0024	1	04/25/23 16:03	ASH	L678442
4-Isopropyl toluene	<0.0011	mg/Kg - dry	0.0011	0.0024	1	04/25/23 16:03	ASH	L678442
4-Methyl-2-Pentanone	<0.0071	mg/Kg - dry	0.0071	0.0121	1	04/25/23 16:03	ASH	L678442
Methylene Chloride	<0.0033	mg/Kg - dry	0.0033	0.0121	1	04/25/23 16:03	ASH	L678442
Methyl tert-butyl ether (MTBE)	<0.0007	mg/Kg - dry	0.0007	0.0024	1	04/25/23 16:03	ASH	L678442
m,p-Xylene	**0.0030 J**	mg/Kg - dry	0.0017	0.0048	1	04/25/23 16:03	ASH	L678442
Naphthalene	<0.0076	mg/Kg - dry	0.0076	0.0121	1	04/25/23 16:03	ASH	L678442
o-Xylene	**0.0011 J**	mg/Kg - dry	0.0009	0.0024	1	04/25/23 16:03	ASH	L678442
n-Propyl acetate	<0.0082	mg/Kg - dry	0.0082	0.0121	1	04/25/23 16:03	ASH	L678442
n-Propylbenzene	<0.0007	mg/Kg - dry	0.0007	0.0024	1	04/25/23 16:03	ASH	L678442
Styrene	<0.0014	mg/Kg - dry	0.0014	0.0024	1	04/25/23 16:03	ASH	L678442
1,1,1,2-Tetrachloroethane	<0.0010	mg/Kg - dry	0.0010	0.0024	1	04/25/23 16:03	ASH	L678442
1,1,2,2-Tetrachloroethane	<0.0022	mg/Kg - dry	0.0022	0.0024	1	04/25/23 16:03	ASH	L678442
Tetrachloroethene	<0.0009	mg/Kg - dry	0.0009	0.0024	1	04/25/23 16:03	ASH	L678442
Toluene	**0.0067**	mg/Kg - dry	0.0039	0.0048	1	04/25/23 16:03	ASH	L678442
1,2,3-Trichlorobenzene	<0.0024	mg/Kg - dry	0.0024	0.0024	1	04/25/23 16:03	ASH	L678442
1,2,4-Trichlorobenzene	<0.0013	mg/Kg - dry	0.0013	0.0024	1	04/25/23 16:03	ASH	L678442
1,1,1-Trichloroethane	<0.0004	mg/Kg - dry	0.0004	0.0024	1	04/25/23 16:03	ASH	L678442
1,1,2-Trichloroethane	<0.0012	mg/Kg - dry	0.0012	0.0024	1	04/25/23 16:03	ASH	L678442

Qualifiers/ Definitions
DF Dilution Factor
MQL Method Quantitation Limit
J Estimated value

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REPORT OF ANALYSIS

Lab No : **99828**
Sample ID : **LEGSSB39-01**

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Sampled: **4/20/2023 13:46**

Analytical Method: 8260B **Prep Batch(es):** **L678321** 04/25/23 09:47
Prep Method: 5035

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Batch
Trichloroethene	<0.0010	mg/Kg - dry	0.0010	0.0024	1	04/25/23 16:03	ASH	L678442
Trichlorofluoromethane	<0.0010	mg/Kg - dry	0.0010	0.0024	1	04/25/23 16:03	ASH	L678442
1,2,3-Trichloropropane	<0.0018	mg/Kg - dry	0.0018	0.0024	1	04/25/23 16:03	ASH	L678442
1,2,4-Trimethylbenzene	**0.0015 J**	mg/Kg - dry	0.0009	0.0024	1	04/25/23 16:03	ASH	L678442
1,3,5-Trimethylbenzene	<0.0011	mg/Kg - dry	0.0011	0.0024	1	04/25/23 16:03	ASH	L678442
Vinyl Acetate	<0.0049	mg/Kg - dry	0.0049	0.0488	1	04/25/23 16:03	ASH	L678442
Vinyl Chloride	<0.0008	mg/Kg - dry	0.0008	0.0024	1	04/25/23 16:03	ASH	L678442
Xylene (Total)	**0.0041 J**	mg/Kg - dry	0.0009	0.0024	1	04/25/23 16:03	KCC	L678442
Surrogate: 4-Bromofluorobenzene	88.0		Limits: 60-140%		1	04/25/23 16:03	ASH	L678442
Surrogate: 1,2-Dichloroethane - d4	127		Limits: 60-140%		1	04/25/23 16:03	ASH	L678442
Surrogate: Toluene-d8	97.1		Limits: 60-140%		1	04/25/23 16:03	ASH	L678442

Qualifiers/ Definitions

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REPORT OF ANALYSIS

Lab No : **99829**
Sample ID : **LEGSSB40-01**

Matrix: **Solids**
Sampled: **4/20/2023 13:54**

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Method
Moisture	**17.0**	%			1	04/24/23 14:15	JLS	SW-DRYWT
Arsenic	**11.6**	mg/Kg - dry	0.289	0.602	1	04/26/23 05:08	BKN	6010D
Barium	**110**	mg/Kg - dry	0.156	0.602	1	04/26/23 05:08	BKN	6010D
Cadmium	**0.369**	mg/Kg - dry	0.0240	0.120	1	04/26/23 05:08	BKN	6010D
Chromium	**14.5**	mg/Kg - dry	0.284	0.301	1	04/26/23 05:08	BKN	6010D
Lead	**31.2**	mg/Kg - dry	0.216	0.361	1	04/26/23 05:08	BKN	6010D
Mercury	**0.0998 J**	mg/Kg - dry	0.0258	0.213	1	04/27/23 13:36	FDS	7471A
Selenium	**0.462 J**	mg/Kg - dry	0.385	0.602	1	04/26/23 05:08	BKN	6010D
Silver	<0.964	mg/Kg - dry	0.964	1.51	5	04/26/23 22:21	BKN	6010D

Qualifiers/ Definitions

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REPORT OF ANALYSIS

Lab No : **99829**
Sample ID : **LEGSSB40-01**

Matrix: **Solids**
Sampled: **4/20/2023 13:54**

Analytical Method: 8260B **Prep Batch(es):** **L678321** 04/25/23 09:47
Prep Method: 5035

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Batch
Acetone	**0.180**	mg/Kg - dry	0.0052	0.0481	1	04/25/23 16:37	ASH	L678442
Acetonitrile	<0.0628	mg/Kg - dry	0.0628	0.241	1	04/25/23 16:37	ASH	L678442
Acrolein	<0.0099	mg/Kg - dry	0.0099	0.0481	1	04/25/23 16:37	ASH	L678442
Acrylonitrile	<0.0045	mg/Kg - dry	0.0045	0.0481	1	04/25/23 16:37	ASH	L678442
Benzene	**0.0027**	mg/Kg - dry	0.0004	0.0024	1	04/25/23 16:37	ASH	L678442
Bromobenzene	<0.0009	mg/Kg - dry	0.0009	0.0024	1	04/25/23 16:37	ASH	L678442
Bromochloromethane	<0.0005	mg/Kg - dry	0.0005	0.0024	1	04/25/23 16:37	ASH	L678442
Bromodichloromethane	<0.0009	mg/Kg - dry	0.0009	0.0024	1	04/25/23 16:37	ASH	L678442
Bromoform	<0.0015	mg/Kg - dry	0.0015	0.0024	1	04/25/23 16:37	ASH	L678442
Bromomethane	<0.0019	mg/Kg - dry	0.0019	0.0024	1	04/25/23 16:37	ASH	L678442
Methyl Ethyl Ketone (MEK)	**0.0174 J**	mg/Kg - dry	0.0046	0.0481	1	04/25/23 16:37	ASH	L678442
n-Butylbenzene	<0.0011	mg/Kg - dry	0.0011	0.0024	1	04/25/23 16:37	ASH	L678442
sec-Butyl benzene	<0.0011	mg/Kg - dry	0.0011	0.0024	1	04/25/23 16:37	ASH	L678442
tert-Butyl benzene	<0.0008	mg/Kg - dry	0.0008	0.0024	1	04/25/23 16:37	ASH	L678442
Carbon Disulfide	**0.0094 J**	mg/Kg - dry	0.0034	0.0120	1	04/25/23 16:37	ASH	L678442
Carbon Tetrachloride	<0.0004	mg/Kg - dry	0.0004	0.0024	1	04/25/23 16:37	ASH	L678442
Chlorobenzene	<0.0009	mg/Kg - dry	0.0009	0.0024	1	04/25/23 16:37	ASH	L678442
Chlorodibromomethane	<0.0012	mg/Kg - dry	0.0012	0.0024	1	04/25/23 16:37	ASH	L678442
Chloroethane	<0.0010	mg/Kg - dry	0.0010	0.0024	1	04/25/23 16:37	ASH	L678442
Chloroform	<0.0006	mg/Kg - dry	0.0006	0.0024	1	04/25/23 16:37	ASH	L678442
Chloromethane	<0.0008	mg/Kg - dry	0.0008	0.0024	1	04/25/23 16:37	ASH	L678442
2-Chlorotoluene	<0.0011	mg/Kg - dry	0.0011	0.0024	1	04/25/23 16:37	ASH	L678442

Qualifiers/ Definitions
DF Dilution Factor
MQL Method Quantitation Limit
J Estimated value

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Project Manager

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REPORT OF ANALYSIS

Lab No : **99829**
Sample ID : **LEGSSB40-01**

Matrix: **Solids**
Sampled: **4/20/2023 13:54**

Analytical Method: 8260B **Prep Batch(es):** **L678321** 04/25/23 09:47
Prep Method: 5035

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Batch
4-Chlorotoluene	<0.0012	mg/Kg - dry	0.0012	0.0024	1	04/25/23 16:37	ASH	L678442
1,2-Dibromo-3-Chloropropane	<0.0079	mg/Kg - dry	0.0079	0.0120	1	04/25/23 16:37	ASH	L678442
1,2-Dibromoethane	<0.0010	mg/Kg - dry	0.0010	0.0024	1	04/25/23 16:37	ASH	L678442
Dibromomethane	<0.0008	mg/Kg - dry	0.0008	0.0024	1	04/25/23 16:37	ASH	L678442
1,2-Dichlorobenzene	<0.0016	mg/Kg - dry	0.0016	0.0024	1	04/25/23 16:37	ASH	L678442
1,3-Dichlorobenzene	<0.0016	mg/Kg - dry	0.0016	0.0024	1	04/25/23 16:37	ASH	L678442
1,4-Dichlorobenzene	<0.0018	mg/Kg - dry	0.0018	0.0024	1	04/25/23 16:37	ASH	L678442
Dichlorodifluoromethane	<0.0022	mg/Kg - dry	0.0022	0.0024	1	04/25/23 16:37	ASH	L678442
1,1-Dichloroethane	<0.0004	mg/Kg - dry	0.0004	0.0024	1	04/25/23 16:37	ASH	L678442
1,2-Dichloroethane	<0.0005	mg/Kg - dry	0.0005	0.0024	1	04/25/23 16:37	ASH	L678442
1,1-Dichloroethene	<0.0006	mg/Kg - dry	0.0006	0.0024	1	04/25/23 16:37	ASH	L678442
cis-1,2-Dichloroethene	<0.0006	mg/Kg - dry	0.0006	0.0024	1	04/25/23 16:37	ASH	L678442
trans-1,2-Dichloroethene	<0.0003	mg/Kg - dry	0.0003	0.0024	1	04/25/23 16:37	ASH	L678442
1,2-Dichloroethene (Total)	<0.0003	mg/Kg - dry	0.0003	0.0024	1	04/25/23 16:37		L678442
1,2-Dichloropropane	<0.0007	mg/Kg - dry	0.0007	0.0024	1	04/25/23 16:37	ASH	L678442
1,3-Dichloropropane	<0.0010	mg/Kg - dry	0.0010	0.0024	1	04/25/23 16:37	ASH	L678442
2,2-Dichloropropane	<0.0006	mg/Kg - dry	0.0006	0.0024	1	04/25/23 16:37	ASH	L678442
1,1-Dichloropropene	<0.0004	mg/Kg - dry	0.0004	0.0024	1	04/25/23 16:37	ASH	L678442
cis-1,3-Dichloropropene	<0.0009	mg/Kg - dry	0.0009	0.0024	1	04/25/23 16:37	ASH	L678442
trans-1,3-Dichloropropene	<0.0009	mg/Kg - dry	0.0009	0.0024	1	04/25/23 16:37	ASH	L678442
Ethyl Acetate	<0.0072	mg/Kg - dry	0.0072	0.0481	1	04/25/23 16:37	ASH	L678442
Ethylbenzene	**0.0019 J**	mg/Kg - dry	0.0007	0.0024	1	04/25/23 16:37	ASH	L678442

Qualifiers/ Definitions

DF Dilution Factor
MQL Method Quantitation Limit
J Estimated value

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Rebekah Ross
Project Manager

Report Number : **23-111-0040**

REPORT OF ANALYSIS

Lab No : **99829**
Sample ID : **LEGSSB40-01**

Matrix: **Solids**
Sampled: **4/20/2023 13:54**

Analytical Method: 8260B **Prep Batch(es):** **L678321** 04/25/23 09:47
Prep Method: 5035

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Batch
Hexachlorobutadiene	<0.0011	mg/Kg - dry	0.0011	0.0024	1	04/25/23 16:37	ASH	L678442
2-Hexanone	<0.0072	mg/Kg - dry	0.0072	0.0120	1	04/25/23 16:37	ASH	L678442
Iodomethane	<0.0054	mg/Kg - dry	0.0054	0.0120	1	04/25/23 16:37	ASH	L678442
Isopropylbenzene	<0.0009	mg/Kg - dry	0.0009	0.0024	1	04/25/23 16:37	ASH	L678442
4-Isopropyl toluene	<0.0011	mg/Kg - dry	0.0011	0.0024	1	04/25/23 16:37	ASH	L678442
4-Methyl-2-Pentanone	<0.0070	mg/Kg - dry	0.0070	0.0120	1	04/25/23 16:37	ASH	L678442
Methylene Chloride	<0.0033	mg/Kg - dry	0.0033	0.0120	1	04/25/23 16:37	ASH	L678442
Methyl tert-butyl ether (MTBE)	<0.0007	mg/Kg - dry	0.0007	0.0024	1	04/25/23 16:37	ASH	L678442
m,p-Xylene	**0.0022 J**	mg/Kg - dry	0.0017	0.0048	1	04/25/23 16:37	ASH	L678442
Naphthalene	<0.0076	mg/Kg - dry	0.0076	0.0120	1	04/25/23 16:37	ASH	L678442
o-Xylene	<0.0009	mg/Kg - dry	0.0009	0.0024	1	04/25/23 16:37	ASH	L678442
n-Propyl acetate	<0.0081	mg/Kg - dry	0.0081	0.0120	1	04/25/23 16:37	ASH	L678442
n-Propylbenzene	<0.0007	mg/Kg - dry	0.0007	0.0024	1	04/25/23 16:37	ASH	L678442
Styrene	<0.0013	mg/Kg - dry	0.0013	0.0024	1	04/25/23 16:37	ASH	L678442
1,1,1,2-Tetrachloroethane	<0.0010	mg/Kg - dry	0.0010	0.0024	1	04/25/23 16:37	ASH	L678442
1,1,2,2-Tetrachloroethane	<0.0022	mg/Kg - dry	0.0022	0.0024	1	04/25/23 16:37	ASH	L678442
Tetrachloroethene	<0.0009	mg/Kg - dry	0.0009	0.0024	1	04/25/23 16:37	ASH	L678442
Toluene	**0.0050**	mg/Kg - dry	0.0039	0.0048	1	04/25/23 16:37	ASH	L678442
1,2,3-Trichlorobenzene	<0.0024	mg/Kg - dry	0.0024	0.0024	1	04/25/23 16:37	ASH	L678442
1,2,4-Trichlorobenzene	<0.0013	mg/Kg - dry	0.0013	0.0024	1	04/25/23 16:37	ASH	L678442
1,1,1-Trichloroethane	<0.0004	mg/Kg - dry	0.0004	0.0024	1	04/25/23 16:37	ASH	L678442
1,1,2-Trichloroethane	<0.0012	mg/Kg - dry	0.0012	0.0024	1	04/25/23 16:37	ASH	L678442

Qualifiers/ Definitions
DF Dilution Factor
MQL Method Quantitation Limit
J Estimated value

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Project Legends Park

Information : 198 N. Pauline-Memphis, TN
Project No. 0888834617

Report Date : 04/27/2023
Received : 04/20/2023

Rebekah Ross
Project Manager

Report Number : **23-111-0040**

REPORT OF ANALYSIS

Lab No : **99829**
Sample ID : **LEGSSB40-01**

Matrix: **Solids**
Sampled: **4/20/2023 13:54**

Analytical Method: 8260B **Prep Batch(es):** **L678321** 04/25/23 09:47
Prep Method: 5035

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Batch
Trichloroethene	<0.0010	mg/Kg - dry	0.0010	0.0024	1	04/25/23 16:37	ASH	L678442
Trichlorofluoromethane	<0.0010	mg/Kg - dry	0.0010	0.0024	1	04/25/23 16:37	ASH	L678442
1,2,3-Trichloropropane	<0.0018	mg/Kg - dry	0.0018	0.0024	1	04/25/23 16:37	ASH	L678442
1,2,4-Trimethylbenzene	**0.0011 J**	mg/Kg - dry	0.0009	0.0024	1	04/25/23 16:37	ASH	L678442
1,3,5-Trimethylbenzene	<0.0010	mg/Kg - dry	0.0010	0.0024	1	04/25/23 16:37	ASH	L678442
Vinyl Acetate	<0.0048	mg/Kg - dry	0.0048	0.0481	1	04/25/23 16:37	ASH	L678442
Vinyl Chloride	<0.0008	mg/Kg - dry	0.0008	0.0024	1	04/25/23 16:37	ASH	L678442
Xylene (Total)	**0.0022 J**	mg/Kg - dry	0.0009	0.0024	1	04/25/23 16:37	KCC	L678442
Surrogate: 4-Bromofluorobenzene	89.4		Limits: 60-140%		1	04/25/23 16:37	ASH	L678442
Surrogate: 1,2-Dichloroethane - d4	106		Limits: 60-140%		1	04/25/23 16:37	ASH	L678442
Surrogate: Toluene-d8	91.7		Limits: 60-140%		1	04/25/23 16:37	ASH	L678442

Qualifiers/ Definitions

DF Dilution Factor
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Report Date : 04/27/2023
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Rebekah Ross
Project Manager

Report Number : **23-111-0040**

REPORT OF ANALYSIS

Lab No : **99830**
Sample ID : **LEGSSB41-01**

Matrix: **Solids**
Sampled: **4/20/2023 13:57**

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Method
Moisture	**18.0**	%			1	04/24/23 14:15	JLS	SW-DRYWT
Arsenic	**9.05**	mg/Kg - dry	0.292	0.609	1	04/24/23 23:18	BKN	6010D
Barium	**116**	mg/Kg - dry	0.158	0.609	1	04/24/23 23:18	BKN	6010D
Cadmium	**0.541**	mg/Kg - dry	0.0243	0.122	1	04/24/23 23:18	BKN	6010D
Chromium	**14.0**	mg/Kg - dry	0.287	0.304	1	04/24/23 23:18	BKN	6010D
Lead	**51.0**	mg/Kg - dry	0.219	0.365	1	04/24/23 23:18	BKN	6010D
Mercury	**0.156 J**	mg/Kg - dry	0.0278	0.230	1	04/27/23 13:37	FDS	7471A
Selenium	<1.95	mg/Kg - dry	1.95	3.05	5	04/25/23 18:48	BKN	6010D
Silver	<0.195	mg/Kg - dry	0.195	0.305	1	04/24/23 23:18	BKN	6010D

Qualifiers/ Definitions

DF Dilution Factor
MQL Method Quantitation Limit
J Estimated value

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Project Legends Park
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Report Date : 04/27/2023
Received : 04/20/2023

Rebekah Ross
Project Manager

Report Number : **23-111-0040**

REPORT OF ANALYSIS

Lab No : **99830**
Sample ID : **LEGSSB41-01**

Matrix: **Solids**
Sampled: **4/20/2023 13:57**

Analytical Method: 8260B **Prep Batch(es):** **L678321** 04/25/23 09:47
Prep Method: 5035

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Batch
Acetone	**0.340**	mg/Kg - dry	0.0053	0.0487	1	04/25/23 17:10	ASH	L678442
Acetonitrile	<0.0636	mg/Kg - dry	0.0636	0.244	1	04/25/23 17:10	ASH	L678442
Acrolein	<0.0100	mg/Kg - dry	0.0100	0.0487	1	04/25/23 17:10	ASH	L678442
Acrylonitrile	<0.0046	mg/Kg - dry	0.0046	0.0487	1	04/25/23 17:10	ASH	L678442
Benzene	**0.0025**	mg/Kg - dry	0.0004	0.0024	1	04/25/23 17:10	ASH	L678442
Bromobenzene	<0.0009	mg/Kg - dry	0.0009	0.0024	1	04/25/23 17:10	ASH	L678442
Bromochloromethane	<0.0005	mg/Kg - dry	0.0005	0.0024	1	04/25/23 17:10	ASH	L678442
Bromodichloromethane	<0.0009	mg/Kg - dry	0.0009	0.0024	1	04/25/23 17:10	ASH	L678442
Bromoform	<0.0016	mg/Kg - dry	0.0016	0.0024	1	04/25/23 17:10	ASH	L678442
Bromomethane	<0.0019	mg/Kg - dry	0.0019	0.0024	1	04/25/23 17:10	ASH	L678442
Methyl Ethyl Ketone (MEK)	**0.0320 J**	mg/Kg - dry	0.0046	0.0487	1	04/25/23 17:10	ASH	L678442
n-Butylbenzene	<0.0011	mg/Kg - dry	0.0011	0.0024	1	04/25/23 17:10	ASH	L678442
sec-Butyl benzene	<0.0011	mg/Kg - dry	0.0011	0.0024	1	04/25/23 17:10	ASH	L678442
tert-Butyl benzene	<0.0009	mg/Kg - dry	0.0009	0.0024	1	04/25/23 17:10	ASH	L678442
Carbon Disulfide	**0.0147**	mg/Kg - dry	0.0034	0.0121	1	04/25/23 17:10	ASH	L678442
Carbon Tetrachloride	<0.0005	mg/Kg - dry	0.0005	0.0024	1	04/25/23 17:10	ASH	L678442
Chlorobenzene	<0.0009	mg/Kg - dry	0.0009	0.0024	1	04/25/23 17:10	ASH	L678442
Chlorodibromomethane	<0.0012	mg/Kg - dry	0.0012	0.0024	1	04/25/23 17:10	ASH	L678442
Chloroethane	<0.0010	mg/Kg - dry	0.0010	0.0024	1	04/25/23 17:10	ASH	L678442
Chloroform	<0.0006	mg/Kg - dry	0.0006	0.0024	1	04/25/23 17:10	ASH	L678442
Chloromethane	<0.0008	mg/Kg - dry	0.0008	0.0024	1	04/25/23 17:10	ASH	L678442
2-Chlorotoluene	<0.0012	mg/Kg - dry	0.0012	0.0024	1	04/25/23 17:10	ASH	L678442

Qualifiers/ Definitions
DF Dilution Factor
MQL Method Quantitation Limit
J Estimated value

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Project Legends Park
Information : 198 N. Pauline-Memphis, TN
Project No. 0888834617

Report Date : 04/27/2023
Received : 04/20/2023

Rebekah Ross
Project Manager

Report Number : **23-111-0040**

REPORT OF ANALYSIS

Lab No : **99830**
Sample ID : **LEGSSB41-01**

Matrix: **Solids**
Sampled: **4/20/2023 13:57**

Analytical Method: 8260B **Prep Batch(es):** **L678321** 04/25/23 09:47
Prep Method: 5035

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Batch
4-Chlorotoluene	<0.0013	mg/Kg - dry	0.0013	0.0024	1	04/25/23 17:10	ASH	L678442
1,2-Dibromo-3-Chloropropane	<0.0080	mg/Kg - dry	0.0080	0.0121	1	04/25/23 17:10	ASH	L678442
1,2-Dibromoethane	<0.0010	mg/Kg - dry	0.0010	0.0024	1	04/25/23 17:10	ASH	L678442
Dibromomethane	<0.0008	mg/Kg - dry	0.0008	0.0024	1	04/25/23 17:10	ASH	L678442
1,2-Dichlorobenzene	<0.0017	mg/Kg - dry	0.0017	0.0024	1	04/25/23 17:10	ASH	L678442
1,3-Dichlorobenzene	<0.0016	mg/Kg - dry	0.0016	0.0024	1	04/25/23 17:10	ASH	L678442
1,4-Dichlorobenzene	<0.0018	mg/Kg - dry	0.0018	0.0024	1	04/25/23 17:10	ASH	L678442
Dichlorodifluoromethane	<0.0023	mg/Kg - dry	0.0023	0.0024	1	04/25/23 17:10	ASH	L678442
1,1-Dichloroethane	<0.0004	mg/Kg - dry	0.0004	0.0024	1	04/25/23 17:10	ASH	L678442
1,2-Dichloroethane	<0.0005	mg/Kg - dry	0.0005	0.0024	1	04/25/23 17:10	ASH	L678442
1,1-Dichloroethene	<0.0007	mg/Kg - dry	0.0007	0.0024	1	04/25/23 17:10	ASH	L678442
cis-1,2-Dichloroethene	<0.0006	mg/Kg - dry	0.0006	0.0024	1	04/25/23 17:10	ASH	L678442
trans-1,2-Dichloroethene	<0.0003	mg/Kg - dry	0.0003	0.0024	1	04/25/23 17:10	ASH	L678442
1,2-Dichloroethene (Total)	<0.0003	mg/Kg - dry	0.0003	0.0024	1	04/25/23 17:10		L678442
1,2-Dichloropropane	<0.0007	mg/Kg - dry	0.0007	0.0024	1	04/25/23 17:10	ASH	L678442
1,3-Dichloropropane	<0.0011	mg/Kg - dry	0.0011	0.0024	1	04/25/23 17:10	ASH	L678442
2,2-Dichloropropane	<0.0007	mg/Kg - dry	0.0007	0.0024	1	04/25/23 17:10	ASH	L678442
1,1-Dichloropropene	<0.0004	mg/Kg - dry	0.0004	0.0024	1	04/25/23 17:10	ASH	L678442
cis-1,3-Dichloropropene	<0.0009	mg/Kg - dry	0.0009	0.0024	1	04/25/23 17:10	ASH	L678442
trans-1,3-Dichloropropene	<0.0009	mg/Kg - dry	0.0009	0.0024	1	04/25/23 17:10	ASH	L678442
Ethyl Acetate	<0.0073	mg/Kg - dry	0.0073	0.0487	1	04/25/23 17:10	ASH	L678442
Ethylbenzene	**0.0015 J**	mg/Kg - dry	0.0007	0.0024	1	04/25/23 17:10	ASH	L678442

Qualifiers/ Definitions
DF Dilution Factor
MQL Method Quantitation Limit
J Estimated value

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Project Legends Park
Information : 198 N. Pauline-Memphis, TN
Project No. 0888834617

Report Date : 04/27/2023
Received : 04/20/2023

Rebekah Ross
Project Manager

Report Number : **23-111-0040**

REPORT OF ANALYSIS

Lab No : **99830**
Sample ID : **LEGSSB41-01**

Matrix: **Solids**
Sampled: **4/20/2023 13:57**

Analytical Method: 8260B **Prep Batch(es):** **L678321** 04/25/23 09:47
Prep Method: 5035

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Batch
Hexachlorobutadiene	<0.0011	mg/Kg - dry	0.0011	0.0024	1	04/25/23 17:10	ASH	L678442
2-Hexanone	<0.0073	mg/Kg - dry	0.0073	0.0121	1	04/25/23 17:10	ASH	L678442
Iodomethane	<0.0055	mg/Kg - dry	0.0055	0.0121	1	04/25/23 17:10	ASH	L678442
Isopropylbenzene	<0.0009	mg/Kg - dry	0.0009	0.0024	1	04/25/23 17:10	ASH	L678442
4-Isopropyl toluene	<0.0011	mg/Kg - dry	0.0011	0.0024	1	04/25/23 17:10	ASH	L678442
4-Methyl-2-Pentanone	<0.0071	mg/Kg - dry	0.0071	0.0121	1	04/25/23 17:10	ASH	L678442
Methylene Chloride	<0.0033	mg/Kg - dry	0.0033	0.0121	1	04/25/23 17:10	ASH	L678442
Methyl tert-butyl ether (MTBE)	<0.0007	mg/Kg - dry	0.0007	0.0024	1	04/25/23 17:10	ASH	L678442
m,p-Xylene	<0.0017	mg/Kg - dry	0.0017	0.0048	1	04/25/23 17:10	ASH	L678442
Naphthalene	<0.0077	mg/Kg - dry	0.0077	0.0121	1	04/25/23 17:10	ASH	L678442
o-Xylene	<0.0009	mg/Kg - dry	0.0009	0.0024	1	04/25/23 17:10	ASH	L678442
n-Propyl acetate	<0.0082	mg/Kg - dry	0.0082	0.0121	1	04/25/23 17:10	ASH	L678442
n-Propylbenzene	<0.0007	mg/Kg - dry	0.0007	0.0024	1	04/25/23 17:10	ASH	L678442
Styrene	<0.0014	mg/Kg - dry	0.0014	0.0024	1	04/25/23 17:10	ASH	L678442
1,1,1,2-Tetrachloroethane	<0.0010	mg/Kg - dry	0.0010	0.0024	1	04/25/23 17:10	ASH	L678442
1,1,2,2-Tetrachloroethane	<0.0022	mg/Kg - dry	0.0022	0.0024	1	04/25/23 17:10	ASH	L678442
Tetrachloroethene	<0.0009	mg/Kg - dry	0.0009	0.0024	1	04/25/23 17:10	ASH	L678442
Toluene	**0.0046 J**	mg/Kg - dry	0.0039	0.0048	1	04/25/23 17:10	ASH	L678442
1,2,3-Trichlorobenzene	<0.0024	mg/Kg - dry	0.0024	0.0024	1	04/25/23 17:10	ASH	L678442
1,2,4-Trichlorobenzene	<0.0013	mg/Kg - dry	0.0013	0.0024	1	04/25/23 17:10	ASH	L678442
1,1,1-Trichloroethane	<0.0004	mg/Kg - dry	0.0004	0.0024	1	04/25/23 17:10	ASH	L678442
1,1,2-Trichloroethane	<0.0012	mg/Kg - dry	0.0012	0.0024	1	04/25/23 17:10	ASH	L678442

Qualifiers/ Definitions
DF Dilution Factor
MQL Method Quantitation Limit
J Estimated value

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Project Legends Park
Information : 198 N. Pauline-Memphis, TN
Project No. 0888834617

Report Date : 04/27/2023
Received : 04/20/2023

Rebekah Ross
Project Manager

Report Number : **23-111-0040**

REPORT OF ANALYSIS

Lab No : **99830**
Sample ID : **LEGSSB41-01**

Matrix: **Solids**
Sampled: **4/20/2023 13:57**

Analytical Method: 8260B **Prep Batch(es):** **L678321** 04/25/23 09:47
Prep Method: 5035

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Batch
Trichloroethene	<0.0010	mg/Kg - dry	0.0010	0.0024	1	04/25/23 17:10	ASH	L678442
Trichlorofluoromethane	<0.0010	mg/Kg - dry	0.0010	0.0024	1	04/25/23 17:10	ASH	L678442
1,2,3-Trichloropropane	<0.0018	mg/Kg - dry	0.0018	0.0024	1	04/25/23 17:10	ASH	L678442
1,2,4-Trimethylbenzene	<0.0009	mg/Kg - dry	0.0009	0.0024	1	04/25/23 17:10	ASH	L678442
1,3,5-Trimethylbenzene	<0.0011	mg/Kg - dry	0.0011	0.0024	1	04/25/23 17:10	ASH	L678442
Vinyl Acetate	<0.0049	mg/Kg - dry	0.0049	0.0487	1	04/25/23 17:10	ASH	L678442
Vinyl Chloride	<0.0008	mg/Kg - dry	0.0008	0.0024	1	04/25/23 17:10	ASH	L678442
Xylene (Total)	<0.0009	mg/Kg - dry	0.0009	0.0024	1	04/25/23 17:10	KCC	L678442
Surrogate: 4-Bromofluorobenzene	84.1		Limits: 60-140%		1	04/25/23 17:10	ASH	L678442
Surrogate: 1,2-Dichloroethane - d4	116		Limits: 60-140%		1	04/25/23 17:10	ASH	L678442
Surrogate: Toluene-d8	86.5		Limits: 60-140%		1	04/25/23 17:10	ASH	L678442

Qualifiers/ Definitions
DF Dilution Factor
MQL Method Quantitation Limit
J Estimated value

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Report Date : 04/27/2023
Received : 04/20/2023

Rebekah Ross
Project Manager

Report Number : **23-111-0040**

REPORT OF ANALYSIS

Lab No : **99831**
Sample ID : **LEGSSB43-01**

Matrix: **Solids**
Sampled: **4/20/2023 14:21**

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Method
Moisture	**15.5**	%			1	04/24/23 14:15	JLS	SW-DRYWT
Arsenic	**9.64**	mg/Kg - dry	1.42	2.96	5	04/25/23 18:53	BKN	6010D
Barium	**127**	mg/Kg - dry	0.769	2.96	5	04/25/23 18:53	BKN	6010D
Cadmium	**0.215 J**	mg/Kg - dry	0.118	0.592	5	04/25/23 18:53	BKN	6010D
Chromium	**15.4**	mg/Kg - dry	1.40	1.48	5	04/25/23 18:53	BKN	6010D
Lead	**22.6**	mg/Kg - dry	1.07	1.78	5	04/25/23 18:53	BKN	6010D
Mercury	**0.0671 J**	mg/Kg - dry	0.0269	0.222	1	04/27/23 13:39	FDS	7471A
Selenium	<1.89	mg/Kg - dry	1.89	2.96	5	04/25/23 18:53	BKN	6010D
Silver	<0.947	mg/Kg - dry	0.947	1.48	5	04/25/23 18:53	BKN	6010D

Qualifiers/ Definitions

DF Dilution Factor
MQL Method Quantitation Limit
J Estimated value

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Project Legends Park

Information : 198 N. Pauline-Memphis, TN
Project No. 0888834617

Report Date : 04/27/2023
Received : 04/20/2023

Rebekah Ross
Project Manager

Report Number : **23-111-0040**

REPORT OF ANALYSIS

Lab No : **99831**
Sample ID : **LEGSSB43-01**

Matrix: **Solids**
Sampled: **4/20/2023 14:21**

Analytical Method: 8260B **Prep Batch(es):** **L678321** 04/25/23 09:47
Prep Method: 5035

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Batch
Acetone	**0.356**	mg/Kg - dry	0.0051	0.0473	1	04/25/23 17:44	ASH	L678442
Acetonitrile	<0.0617	mg/Kg - dry	0.0617	0.237	1	04/25/23 17:44	ASH	L678442
Acrolein	<0.0097	mg/Kg - dry	0.0097	0.0473	1	04/25/23 17:44	ASH	L678442
Acrylonitrile	<0.0044	mg/Kg - dry	0.0044	0.0473	1	04/25/23 17:44	ASH	L678442
Benzene	<0.0004	mg/Kg - dry	0.0004	0.0023	1	04/25/23 17:44	ASH	L678442
Bromobenzene	<0.0008	mg/Kg - dry	0.0008	0.0023	1	04/25/23 17:44	ASH	L678442
Bromochloromethane	<0.0005	mg/Kg - dry	0.0005	0.0023	1	04/25/23 17:44	ASH	L678442
Bromodichloromethane	<0.0009	mg/Kg - dry	0.0009	0.0023	1	04/25/23 17:44	ASH	L678442
Bromoform	<0.0015	mg/Kg - dry	0.0015	0.0023	1	04/25/23 17:44	ASH	L678442
Bromomethane	<0.0018	mg/Kg - dry	0.0018	0.0023	1	04/25/23 17:44	ASH	L678442
Methyl Ethyl Ketone (MEK)	**0.0358 J**	mg/Kg - dry	0.0045	0.0473	1	04/25/23 17:44	ASH	L678442
n-Butylbenzene	<0.0011	mg/Kg - dry	0.0011	0.0023	1	04/25/23 17:44	ASH	L678442
sec-Butyl benzene	<0.0011	mg/Kg - dry	0.0011	0.0023	1	04/25/23 17:44	ASH	L678442
tert-Butyl benzene	<0.0008	mg/Kg - dry	0.0008	0.0023	1	04/25/23 17:44	ASH	L678442
Carbon Disulfide	**0.0053 J**	mg/Kg - dry	0.0033	0.0118	1	04/25/23 17:44	ASH	L678442
Carbon Tetrachloride	<0.0004	mg/Kg - dry	0.0004	0.0023	1	04/25/23 17:44	ASH	L678442
Chlorobenzene	<0.0009	mg/Kg - dry	0.0009	0.0023	1	04/25/23 17:44	ASH	L678442
Chlorodibromomethane	<0.0012	mg/Kg - dry	0.0012	0.0023	1	04/25/23 17:44	ASH	L678442
Chloroethane	<0.0009	mg/Kg - dry	0.0009	0.0023	1	04/25/23 17:44	ASH	L678442
Chloroform	<0.0006	mg/Kg - dry	0.0006	0.0023	1	04/25/23 17:44	ASH	L678442
Chloromethane	<0.0008	mg/Kg - dry	0.0008	0.0023	1	04/25/23 17:44	ASH	L678442
2-Chlorotoluene	<0.0011	mg/Kg - dry	0.0011	0.0023	1	04/25/23 17:44	ASH	L678442

Qualifiers/ Definitions

DF Dilution Factor
MQL Method Quantitation Limit
J Estimated value

Waypoint ANALYTICAL
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Analytical Method: 8260B **Prep Batch(es):** **L678321** 04/25/23 09:47
Prep Method: 5035

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Batch
4-Chlorotoluene	<0.0012	mg/Kg - dry	0.0012	0.0023	1	04/25/23 17:44	ASH	L678442
1,2-Dibromo-3-Chloropropane	<0.0077	mg/Kg - dry	0.0077	0.0118	1	04/25/23 17:44	ASH	L678442
1,2-Dibromoethane	<0.0010	mg/Kg - dry	0.0010	0.0023	1	04/25/23 17:44	ASH	L678442
Dibromomethane	<0.0008	mg/Kg - dry	0.0008	0.0023	1	04/25/23 17:44	ASH	L678442
1,2-Dichlorobenzene	<0.0016	mg/Kg - dry	0.0016	0.0023	1	04/25/23 17:44	ASH	L678442
1,3-Dichlorobenzene	<0.0015	mg/Kg - dry	0.0015	0.0023	1	04/25/23 17:44	ASH	L678442
1,4-Dichlorobenzene	<0.0017	mg/Kg - dry	0.0017	0.0023	1	04/25/23 17:44	ASH	L678442
Dichlorodifluoromethane	<0.0022	mg/Kg - dry	0.0022	0.0023	1	04/25/23 17:44	ASH	L678442
1,1-Dichloroethane	<0.0004	mg/Kg - dry	0.0004	0.0023	1	04/25/23 17:44	ASH	L678442
1,2-Dichloroethane	<0.0005	mg/Kg - dry	0.0005	0.0023	1	04/25/23 17:44	ASH	L678442
1,1-Dichloroethene	<0.0006	mg/Kg - dry	0.0006	0.0023	1	04/25/23 17:44	ASH	L678442
cis-1,2-Dichloroethene	<0.0006	mg/Kg - dry	0.0006	0.0023	1	04/25/23 17:44	ASH	L678442
trans-1,2-Dichloroethene	<0.0003	mg/Kg - dry	0.0003	0.0023	1	04/25/23 17:44	ASH	L678442
1,2-Dichloroethene (Total)	<0.0003	mg/Kg - dry	0.0003	0.0023	1	04/25/23 17:44		L678442
1,2-Dichloropropane	<0.0007	mg/Kg - dry	0.0007	0.0023	1	04/25/23 17:44	ASH	L678442
1,3-Dichloropropane	<0.0010	mg/Kg - dry	0.0010	0.0023	1	04/25/23 17:44	ASH	L678442
2,2-Dichloropropane	<0.0006	mg/Kg - dry	0.0006	0.0023	1	04/25/23 17:44	ASH	L678442
1,1-Dichloropropene	<0.0004	mg/Kg - dry	0.0004	0.0023	1	04/25/23 17:44	ASH	L678442
cis-1,3-Dichloropropene	<0.0009	mg/Kg - dry	0.0009	0.0023	1	04/25/23 17:44	ASH	L678442
trans-1,3-Dichloropropene	<0.0008	mg/Kg - dry	0.0008	0.0023	1	04/25/23 17:44	ASH	L678442
Ethyl Acetate	<0.0071	mg/Kg - dry	0.0071	0.0473	1	04/25/23 17:44	ASH	L678442
Ethylbenzene	**0.0009 J**	mg/Kg - dry	0.0007	0.0023	1	04/25/23 17:44	ASH	L678442

Qualifiers/ Definitions
DF Dilution Factor
MQL Method Quantitation Limit
J Estimated value

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Project Manager

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Lab No : **99831**
Sample ID : **LEGSSB43-01**

Matrix: **Solids**
Sampled: **4/20/2023 14:21**

Analytical Method: 8260B **Prep Batch(es):** **L678321** 04/25/23 09:47
Prep Method: 5035

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Batch
Hexachlorobutadiene	<0.0011	mg/Kg - dry	0.0011	0.0023	1	04/25/23 17:44	ASH	L678442
2-Hexanone	<0.0071	mg/Kg - dry	0.0071	0.0118	1	04/25/23 17:44	ASH	L678442
Iodomethane	<0.0053	mg/Kg - dry	0.0053	0.0118	1	04/25/23 17:44	ASH	L678442
Isopropylbenzene	<0.0008	mg/Kg - dry	0.0008	0.0023	1	04/25/23 17:44	ASH	L678442
4-Isopropyl toluene	<0.0011	mg/Kg - dry	0.0011	0.0023	1	04/25/23 17:44	ASH	L678442
4-Methyl-2-Pentanone	<0.0069	mg/Kg - dry	0.0069	0.0118	1	04/25/23 17:44	ASH	L678442
Methylene Chloride	<0.0032	mg/Kg - dry	0.0032	0.0118	1	04/25/23 17:44	ASH	L678442
Methyl tert-butyl ether (MTBE)	<0.0007	mg/Kg - dry	0.0007	0.0023	1	04/25/23 17:44	ASH	L678442
m,p-Xylene	<0.0017	mg/Kg - dry	0.0017	0.0047	1	04/25/23 17:44	ASH	L678442
Naphthalene	<0.0074	mg/Kg - dry	0.0074	0.0118	1	04/25/23 17:44	ASH	L678442
o-Xylene	<0.0009	mg/Kg - dry	0.0009	0.0023	1	04/25/23 17:44	ASH	L678442
n-Propyl acetate	<0.0080	mg/Kg - dry	0.0080	0.0118	1	04/25/23 17:44	ASH	L678442
n-Propylbenzene	<0.0007	mg/Kg - dry	0.0007	0.0023	1	04/25/23 17:44	ASH	L678442
Styrene	<0.0013	mg/Kg - dry	0.0013	0.0023	1	04/25/23 17:44	ASH	L678442
1,1,1,2-Tetrachloroethane	<0.0010	mg/Kg - dry	0.0010	0.0023	1	04/25/23 17:44	ASH	L678442
1,1,2,2-Tetrachloroethane	<0.0022	mg/Kg - dry	0.0022	0.0023	1	04/25/23 17:44	ASH	L678442
Tetrachloroethene	<0.0009	mg/Kg - dry	0.0009	0.0023	1	04/25/23 17:44	ASH	L678442
Toluene	<0.0038	mg/Kg - dry	0.0038	0.0047	1	04/25/23 17:44	ASH	L678442
1,2,3-Trichlorobenzene	<0.0023	mg/Kg - dry	0.0023	0.0023	1	04/25/23 17:44	ASH	L678442
1,2,4-Trichlorobenzene	<0.0013	mg/Kg - dry	0.0013	0.0023	1	04/25/23 17:44	ASH	L678442
1,1,1-Trichloroethane	<0.0004	mg/Kg - dry	0.0004	0.0023	1	04/25/23 17:44	ASH	L678442
1,1,2-Trichloroethane	<0.0012	mg/Kg - dry	0.0012	0.0023	1	04/25/23 17:44	ASH	L678442

Qualifiers/ Definitions
DF Dilution Factor
MQL Method Quantitation Limit
J Estimated value

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Analytical Method: 8260B **Prep Batch(es):** **L678321** 04/25/23 09:47
Prep Method: 5035

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Batch
Trichloroethene	<0.0010	mg/Kg - dry	0.0010	0.0023	1	04/25/23 17:44	ASH	L678442
Trichlorofluoromethane	<0.0010	mg/Kg - dry	0.0010	0.0023	1	04/25/23 17:44	ASH	L678442
1,2,3-Trichloropropane	<0.0017	mg/Kg - dry	0.0017	0.0023	1	04/25/23 17:44	ASH	L678442
1,2,4-Trimethylbenzene	<0.0009	mg/Kg - dry	0.0009	0.0023	1	04/25/23 17:44	ASH	L678442
1,3,5-Trimethylbenzene	<0.0010	mg/Kg - dry	0.0010	0.0023	1	04/25/23 17:44	ASH	L678442
Vinyl Acetate	<0.0047	mg/Kg - dry	0.0047	0.0473	1	04/25/23 17:44	ASH	L678442
Vinyl Chloride	<0.0008	mg/Kg - dry	0.0008	0.0023	1	04/25/23 17:44	ASH	L678442
Xylene (Total)	<0.0009	mg/Kg - dry	0.0009	0.0023	1	04/25/23 17:44	KCC	L678442
Surrogate: 4-Bromofluorobenzene	92.4		Limits: 60-140%		1	04/25/23 17:44	ASH	L678442
Surrogate: 1,2-Dichloroethane - d4	116		Limits: 60-140%		1	04/25/23 17:44	ASH	L678442
Surrogate: Toluene-d8	86.0		Limits: 60-140%		1	04/25/23 17:44	ASH	L678442

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REPORT OF ANALYSIS

Lab No : **99832**
Sample ID : **LEGSSB42-01**

Matrix: **Solids**
Sampled: **4/20/2023 14:28**

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Method
Moisture	**16.7**	%			1	04/24/23 14:15	JLS	SW-DRYWT
Arsenic	**6.94**	mg/Kg - dry	0.288	0.600	1	04/24/23 23:29	BKN	6010D
Barium	**111**	mg/Kg - dry	0.156	0.600	1	04/24/23 23:29	BKN	6010D
Cadmium	**0.445**	mg/Kg - dry	0.0240	0.120	1	04/24/23 23:29	BKN	6010D
Chromium	**13.4**	mg/Kg - dry	0.283	0.300	1	04/24/23 23:29	BKN	6010D
Lead	**26.2**	mg/Kg - dry	0.216	0.360	1	04/24/23 23:29	BKN	6010D
Mercury	**0.0948 J**	mg/Kg - dry	0.0255	0.211	1	04/27/23 13:40	FDS	7471A
Selenium	<1.92	mg/Kg - dry	1.92	3.00	5	04/25/23 18:58	BKN	6010D
Silver	<0.192	mg/Kg - dry	0.192	0.300	1	04/24/23 23:29	BKN	6010D

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Analytical Method: 8260B **Prep Batch(es):** **L678321** 04/25/23 09:47
Prep Method: 5035

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Batch
Acetone	**0.242**	mg/Kg - dry	0.0052	0.0480	1	04/25/23 18:17	ASH	L678442
Acetonitrile	<0.0626	mg/Kg - dry	0.0626	0.240	1	04/25/23 18:17	ASH	L678442
Acrolein	<0.0099	mg/Kg - dry	0.0099	0.0480	1	04/25/23 18:17	ASH	L678442
Acrylonitrile	<0.0045	mg/Kg - dry	0.0045	0.0480	1	04/25/23 18:17	ASH	L678442
Benzene	**0.0010 J**	mg/Kg - dry	0.0004	0.0024	1	04/25/23 18:17	ASH	L678442
Bromobenzene	<0.0009	mg/Kg - dry	0.0009	0.0024	1	04/25/23 18:17	ASH	L678442
Bromochloromethane	<0.0005	mg/Kg - dry	0.0005	0.0024	1	04/25/23 18:17	ASH	L678442
Bromodichloromethane	<0.0009	mg/Kg - dry	0.0009	0.0024	1	04/25/23 18:17	ASH	L678442
Bromoform	<0.0015	mg/Kg - dry	0.0015	0.0024	1	04/25/23 18:17	ASH	L678442
Bromomethane	<0.0019	mg/Kg - dry	0.0019	0.0024	1	04/25/23 18:17	ASH	L678442
Methyl Ethyl Ketone (MEK)	**0.0202 J**	mg/Kg - dry	0.0045	0.0480	1	04/25/23 18:17	ASH	L678442
n-Butylbenzene	<0.0011	mg/Kg - dry	0.0011	0.0024	1	04/25/23 18:17	ASH	L678442
sec-Butyl benzene	<0.0011	mg/Kg - dry	0.0011	0.0024	1	04/25/23 18:17	ASH	L678442
tert-Butyl benzene	<0.0008	mg/Kg - dry	0.0008	0.0024	1	04/25/23 18:17	ASH	L678442
Carbon Disulfide	**0.0047 J**	mg/Kg - dry	0.0034	0.0120	1	04/25/23 18:17	ASH	L678442
Carbon Tetrachloride	<0.0004	mg/Kg - dry	0.0004	0.0024	1	04/25/23 18:17	ASH	L678442
Chlorobenzene	<0.0009	mg/Kg - dry	0.0009	0.0024	1	04/25/23 18:17	ASH	L678442
Chlorodibromomethane	<0.0012	mg/Kg - dry	0.0012	0.0024	1	04/25/23 18:17	ASH	L678442
Chloroethane	<0.0010	mg/Kg - dry	0.0010	0.0024	1	04/25/23 18:17	ASH	L678442
Chloroform	<0.0006	mg/Kg - dry	0.0006	0.0024	1	04/25/23 18:17	ASH	L678442
Chloromethane	<0.0008	mg/Kg - dry	0.0008	0.0024	1	04/25/23 18:17	ASH	L678442
2-Chlorotoluene	<0.0011	mg/Kg - dry	0.0011	0.0024	1	04/25/23 18:17	ASH	L678442

Qualifiers/ Definitions
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Prep Method: 5035

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4-Chlorotoluene	<0.0012	mg/Kg - dry	0.0012	0.0024	1	04/25/23 18:17	ASH	L678442
1,2-Dibromo-3-Chloropropane	<0.0079	mg/Kg - dry	0.0079	0.0120	1	04/25/23 18:17	ASH	L678442
1,2-Dibromoethane	<0.0010	mg/Kg - dry	0.0010	0.0024	1	04/25/23 18:17	ASH	L678442
Dibromomethane	<0.0008	mg/Kg - dry	0.0008	0.0024	1	04/25/23 18:17	ASH	L678442
1,2-Dichlorobenzene	<0.0016	mg/Kg - dry	0.0016	0.0024	1	04/25/23 18:17	ASH	L678442
1,3-Dichlorobenzene	<0.0016	mg/Kg - dry	0.0016	0.0024	1	04/25/23 18:17	ASH	L678442
1,4-Dichlorobenzene	<0.0018	mg/Kg - dry	0.0018	0.0024	1	04/25/23 18:17	ASH	L678442
Dichlorodifluoromethane	<0.0022	mg/Kg - dry	0.0022	0.0024	1	04/25/23 18:17	ASH	L678442
1,1-Dichloroethane	<0.0004	mg/Kg - dry	0.0004	0.0024	1	04/25/23 18:17	ASH	L678442
1,2-Dichloroethane	<0.0005	mg/Kg - dry	0.0005	0.0024	1	04/25/23 18:17	ASH	L678442
1,1-Dichloroethene	<0.0006	mg/Kg - dry	0.0006	0.0024	1	04/25/23 18:17	ASH	L678442
cis-1,2-Dichloroethene	<0.0006	mg/Kg - dry	0.0006	0.0024	1	04/25/23 18:17	ASH	L678442
trans-1,2-Dichloroethene	<0.0003	mg/Kg - dry	0.0003	0.0024	1	04/25/23 18:17	ASH	L678442
1,2-Dichloroethene (Total)	<0.0003	mg/Kg - dry	0.0003	0.0024	1	04/25/23 18:17		L678442
1,2-Dichloropropane	<0.0007	mg/Kg - dry	0.0007	0.0024	1	04/25/23 18:17	ASH	L678442
1,3-Dichloropropane	<0.0010	mg/Kg - dry	0.0010	0.0024	1	04/25/23 18:17	ASH	L678442
2,2-Dichloropropane	<0.0006	mg/Kg - dry	0.0006	0.0024	1	04/25/23 18:17	ASH	L678442
1,1-Dichloropropene	<0.0004	mg/Kg - dry	0.0004	0.0024	1	04/25/23 18:17	ASH	L678442
cis-1,3-Dichloropropene	<0.0009	mg/Kg - dry	0.0009	0.0024	1	04/25/23 18:17	ASH	L678442
trans-1,3-Dichloropropene	<0.0009	mg/Kg - dry	0.0009	0.0024	1	04/25/23 18:17	ASH	L678442
Ethyl Acetate	<0.0072	mg/Kg - dry	0.0072	0.0480	1	04/25/23 18:17	ASH	L678442
Ethylbenzene	**0.0010 J**	mg/Kg - dry	0.0007	0.0024	1	04/25/23 18:17	ASH	L678442

Qualifiers/ Definitions
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Project Manager

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REPORT OF ANALYSIS

Lab No : **99832**
Sample ID : **LEGSSB42-01**

Matrix: **Solids**
Sampled: **4/20/2023 14:28**

Analytical Method: 8260B **Prep Batch(es):** **L678321** 04/25/23 09:47
Prep Method: 5035

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Batch
Hexachlorobutadiene	<0.0011	mg/Kg - dry	0.0011	0.0024	1	04/25/23 18:17	ASH	L678442
2-Hexanone	<0.0072	mg/Kg - dry	0.0072	0.0120	1	04/25/23 18:17	ASH	L678442
Iodomethane	<0.0054	mg/Kg - dry	0.0054	0.0120	1	04/25/23 18:17	ASH	L678442
Isopropylbenzene	<0.0009	mg/Kg - dry	0.0009	0.0024	1	04/25/23 18:17	ASH	L678442
4-Isopropyl toluene	<0.0011	mg/Kg - dry	0.0011	0.0024	1	04/25/23 18:17	ASH	L678442
4-Methyl-2-Pentanone	<0.0070	mg/Kg - dry	0.0070	0.0120	1	04/25/23 18:17	ASH	L678442
Methylene Chloride	<0.0033	mg/Kg - dry	0.0033	0.0120	1	04/25/23 18:17	ASH	L678442
Methyl tert-butyl ether (MTBE)	<0.0007	mg/Kg - dry	0.0007	0.0024	1	04/25/23 18:17	ASH	L678442
m,p-Xylene	<0.0017	mg/Kg - dry	0.0017	0.0048	1	04/25/23 18:17	ASH	L678442
Naphthalene	<0.0075	mg/Kg - dry	0.0075	0.0120	1	04/25/23 18:17	ASH	L678442
o-Xylene	<0.0009	mg/Kg - dry	0.0009	0.0024	1	04/25/23 18:17	ASH	L678442
n-Propyl acetate	<0.0081	mg/Kg - dry	0.0081	0.0120	1	04/25/23 18:17	ASH	L678442
n-Propylbenzene	<0.0007	mg/Kg - dry	0.0007	0.0024	1	04/25/23 18:17	ASH	L678442
Styrene	<0.0013	mg/Kg - dry	0.0013	0.0024	1	04/25/23 18:17	ASH	L678442
1,1,1,2-Tetrachloroethane	<0.0010	mg/Kg - dry	0.0010	0.0024	1	04/25/23 18:17	ASH	L678442
1,1,2,2-Tetrachloroethane	<0.0022	mg/Kg - dry	0.0022	0.0024	1	04/25/23 18:17	ASH	L678442
Tetrachloroethene	<0.0009	mg/Kg - dry	0.0009	0.0024	1	04/25/23 18:17	ASH	L678442
Toluene	<0.0039	mg/Kg - dry	0.0039	0.0048	1	04/25/23 18:17	ASH	L678442
1,2,3-Trichlorobenzene	<0.0024	mg/Kg - dry	0.0024	0.0024	1	04/25/23 18:17	ASH	L678442
1,2,4-Trichlorobenzene	<0.0013	mg/Kg - dry	0.0013	0.0024	1	04/25/23 18:17	ASH	L678442
1,1,1-Trichloroethane	<0.0004	mg/Kg - dry	0.0004	0.0024	1	04/25/23 18:17	ASH	L678442
1,1,2-Trichloroethane	<0.0012	mg/Kg - dry	0.0012	0.0024	1	04/25/23 18:17	ASH	L678442

Qualifiers/ Definitions
DF Dilution Factor
MQL Method Quantitation Limit
J Estimated value

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Ms. Allison Harris
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Project Legends Park

Information : 198 N. Pauline-Memphis, TN
Project No. 0888834617

Report Date : 04/27/2023
Received : 04/20/2023

Rebekah Ross
Project Manager

Report Number : **23-111-0040**

REPORT OF ANALYSIS

Lab No : **99832**
Sample ID : **LEGSSB42-01**

Matrix: **Solids**
Sampled: **4/20/2023 14:28**

Analytical Method: 8260B **Prep Batch(es):** **L678321** 04/25/23 09:47
Prep Method: 5035

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Batch
Trichloroethene	<0.0010	mg/Kg - dry	0.0010	0.0024	1	04/25/23 18:17	ASH	L678442
Trichlorofluoromethane	<0.0010	mg/Kg - dry	0.0010	0.0024	1	04/25/23 18:17	ASH	L678442
1,2,3-Trichloropropane	<0.0018	mg/Kg - dry	0.0018	0.0024	1	04/25/23 18:17	ASH	L678442
1,2,4-Trimethylbenzene	**0.0010 J**	mg/Kg - dry	0.0009	0.0024	1	04/25/23 18:17	ASH	L678442
1,3,5-Trimethylbenzene	<0.0010	mg/Kg - dry	0.0010	0.0024	1	04/25/23 18:17	ASH	L678442
Vinyl Acetate	<0.0048	mg/Kg - dry	0.0048	0.0480	1	04/25/23 18:17	ASH	L678442
Vinyl Chloride	<0.0008	mg/Kg - dry	0.0008	0.0024	1	04/25/23 18:17	ASH	L678442
Xylene (Total)	<0.0009	mg/Kg - dry	0.0009	0.0024	1	04/25/23 18:17	KCC	L678442
Surrogate: 4-Bromofluorobenzene	86.1		Limits: 60-140%		1	04/25/23 18:17	ASH	L678442
Surrogate: 1,2-Dichloroethane - d4	122		Limits: 60-140%		1	04/25/23 18:17	ASH	L678442
Surrogate: Toluene-d8	82.0		Limits: 60-140%		1	04/25/23 18:17	ASH	L678442

Qualifiers/ Definitions

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Rebekah Ross
Project Manager

Report Number : **23-111-0040**

REPORT OF ANALYSIS

Lab No : **99833**
Sample ID : **LEGSSB42-03**

Matrix: **Solids**
Sampled: **4/20/2023 14:30**

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Method
Moisture	**17.1**	%			1	04/24/23 13:25	JLS	SW-DRYWT
Arsenic	**6.39**	mg/Kg - dry	1.45	3.02	5	04/25/23 19:03	BKN	6010D
Barium	**113**	mg/Kg - dry	0.784	3.02	5	04/25/23 19:03	BKN	6010D
Cadmium	**0.151 J**	mg/Kg - dry	0.121	0.603	5	04/25/23 19:03	BKN	6010D
Chromium	**17.2**	mg/Kg - dry	1.42	1.51	5	04/25/23 19:03	BKN	6010D
Lead	**17.7**	mg/Kg - dry	1.09	1.81	5	04/25/23 19:03	BKN	6010D
Mercury	**0.0714 J**	mg/Kg - dry	0.0248	0.206	1	04/27/23 13:42	FDS	7471A
Selenium	<1.93	mg/Kg - dry	1.93	3.02	5	04/25/23 19:03	BKN	6010D
Silver	<0.965	mg/Kg - dry	0.965	1.51	5	04/25/23 19:03	BKN	6010D

Qualifiers/ Definitions

DF Dilution Factor
MQL Method Quantitation Limit
J Estimated value

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Report Date : 04/27/2023
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Rebekah Ross
Project Manager

Report Number : **23-111-0040**

REPORT OF ANALYSIS

Lab No : **99833**
Sample ID : **LEGSSB42-03**

Matrix: **Solids**
Sampled: **4/20/2023 14:30**

Analytical Method: 8260B **Prep Batch(es):** **L678321** 04/25/23 09:47
Prep Method: 5035

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Batch
Acetone	**0.0891**	mg/Kg - dry	0.0052	0.0482	1	04/25/23 18:50	ASH	L678442
Acetonitrile	<0.0629	mg/Kg - dry	0.0629	0.241	1	04/25/23 18:50	ASH	L678442
Acrolein	<0.0099	mg/Kg - dry	0.0099	0.0482	1	04/25/23 18:50	ASH	L678442
Acrylonitrile	<0.0045	mg/Kg - dry	0.0045	0.0482	1	04/25/23 18:50	ASH	L678442
Benzene	<0.0004	mg/Kg - dry	0.0004	0.0024	1	04/25/23 18:50	ASH	L678442
Bromobenzene	<0.0009	mg/Kg - dry	0.0009	0.0024	1	04/25/23 18:50	ASH	L678442
Bromochloromethane	<0.0005	mg/Kg - dry	0.0005	0.0024	1	04/25/23 18:50	ASH	L678442
Bromodichloromethane	<0.0009	mg/Kg - dry	0.0009	0.0024	1	04/25/23 18:50	ASH	L678442
Bromoform	<0.0015	mg/Kg - dry	0.0015	0.0024	1	04/25/23 18:50	ASH	L678442
Bromomethane	<0.0019	mg/Kg - dry	0.0019	0.0024	1	04/25/23 18:50	ASH	L678442
Methyl Ethyl Ketone (MEK)	**0.0095 J**	mg/Kg - dry	0.0046	0.0482	1	04/25/23 18:50	ASH	L678442
n-Butylbenzene	<0.0011	mg/Kg - dry	0.0011	0.0024	1	04/25/23 18:50	ASH	L678442
sec-Butyl benzene	<0.0011	mg/Kg - dry	0.0011	0.0024	1	04/25/23 18:50	ASH	L678442
tert-Butyl benzene	<0.0008	mg/Kg - dry	0.0008	0.0024	1	04/25/23 18:50	ASH	L678442
Carbon Disulfide	**0.0043 J**	mg/Kg - dry	0.0034	0.0120	1	04/25/23 18:50	ASH	L678442
Carbon Tetrachloride	<0.0004	mg/Kg - dry	0.0004	0.0024	1	04/25/23 18:50	ASH	L678442
Chlorobenzene	<0.0009	mg/Kg - dry	0.0009	0.0024	1	04/25/23 18:50	ASH	L678442
Chlorodibromomethane	<0.0012	mg/Kg - dry	0.0012	0.0024	1	04/25/23 18:50	ASH	L678442
Chloroethane	<0.0010	mg/Kg - dry	0.0010	0.0024	1	04/25/23 18:50	ASH	L678442
Chloroform	<0.0006	mg/Kg - dry	0.0006	0.0024	1	04/25/23 18:50	ASH	L678442
Chloromethane	<0.0008	mg/Kg - dry	0.0008	0.0024	1	04/25/23 18:50	ASH	L678442
2-Chlorotoluene	<0.0011	mg/Kg - dry	0.0011	0.0024	1	04/25/23 18:50	ASH	L678442

Qualifiers/ Definitions
DF Dilution Factor
MQL Method Quantitation Limit
J Estimated value

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Rebekah Ross
Project Manager

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REPORT OF ANALYSIS

Lab No : **99833**
Sample ID : **LEGSSB42-03**

Matrix: **Solids**
Sampled: **4/20/2023 14:30**

Analytical Method: 8260B **Prep Batch(es):** **L678321** 04/25/23 09:47
Prep Method: 5035

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Batch
4-Chlorotoluene	<0.0012	mg/Kg - dry	0.0012	0.0024	1	04/25/23 18:50	ASH	L678442
1,2-Dibromo-3-Chloropropane	<0.0079	mg/Kg - dry	0.0079	0.0120	1	04/25/23 18:50	ASH	L678442
1,2-Dibromoethane	<0.0010	mg/Kg - dry	0.0010	0.0024	1	04/25/23 18:50	ASH	L678442
Dibromomethane	<0.0008	mg/Kg - dry	0.0008	0.0024	1	04/25/23 18:50	ASH	L678442
1,2-Dichlorobenzene	<0.0016	mg/Kg - dry	0.0016	0.0024	1	04/25/23 18:50	ASH	L678442
1,3-Dichlorobenzene	<0.0016	mg/Kg - dry	0.0016	0.0024	1	04/25/23 18:50	ASH	L678442
1,4-Dichlorobenzene	<0.0018	mg/Kg - dry	0.0018	0.0024	1	04/25/23 18:50	ASH	L678442
Dichlorodifluoromethane	<0.0022	mg/Kg - dry	0.0022	0.0024	1	04/25/23 18:50	ASH	L678442
1,1-Dichloroethane	<0.0004	mg/Kg - dry	0.0004	0.0024	1	04/25/23 18:50	ASH	L678442
1,2-Dichloroethane	<0.0005	mg/Kg - dry	0.0005	0.0024	1	04/25/23 18:50	ASH	L678442
1,1-Dichloroethene	<0.0006	mg/Kg - dry	0.0006	0.0024	1	04/25/23 18:50	ASH	L678442
cis-1,2-Dichloroethene	<0.0006	mg/Kg - dry	0.0006	0.0024	1	04/25/23 18:50	ASH	L678442
trans-1,2-Dichloroethene	<0.0003	mg/Kg - dry	0.0003	0.0024	1	04/25/23 18:50	ASH	L678442
1,2-Dichloroethene (Total)	<0.0003	mg/Kg - dry	0.0003	0.0024	1	04/25/23 18:50		L678442
1,2-Dichloropropane	<0.0007	mg/Kg - dry	0.0007	0.0024	1	04/25/23 18:50	ASH	L678442
1,3-Dichloropropane	<0.0010	mg/Kg - dry	0.0010	0.0024	1	04/25/23 18:50	ASH	L678442
2,2-Dichloropropane	<0.0006	mg/Kg - dry	0.0006	0.0024	1	04/25/23 18:50	ASH	L678442
1,1-Dichloropropene	<0.0004	mg/Kg - dry	0.0004	0.0024	1	04/25/23 18:50	ASH	L678442
cis-1,3-Dichloropropene	<0.0009	mg/Kg - dry	0.0009	0.0024	1	04/25/23 18:50	ASH	L678442
trans-1,3-Dichloropropene	<0.0009	mg/Kg - dry	0.0009	0.0024	1	04/25/23 18:50	ASH	L678442
Ethyl Acetate	<0.0072	mg/Kg - dry	0.0072	0.0482	1	04/25/23 18:50	ASH	L678442
Ethylbenzene	**0.0022 J**	mg/Kg - dry	0.0007	0.0024	1	04/25/23 18:50	ASH	L678442

Qualifiers/ Definitions
DF Dilution Factor
MQL Method Quantitation Limit
J Estimated value

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Project Legends Park
Information : 198 N. Pauline-Memphis, TN
Project No. 0888834617

Report Date : 04/27/2023
Received : 04/20/2023

Rebekah Ross
Project Manager

Report Number : **23-111-0040**

REPORT OF ANALYSIS

Lab No : **99833**
Sample ID : **LEGSSB42-03**

Matrix: **Solids**
Sampled: **4/20/2023 14:30**

Analytical Method: 8260B **Prep Batch(es):** **L678321** 04/25/23 09:47
Prep Method: 5035

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Batch
Hexachlorobutadiene	<0.0011	mg/Kg - dry	0.0011	0.0024	1	04/25/23 18:50	ASH	L678442
2-Hexanone	<0.0072	mg/Kg - dry	0.0072	0.0120	1	04/25/23 18:50	ASH	L678442
Iodomethane	<0.0054	mg/Kg - dry	0.0054	0.0120	1	04/25/23 18:50	ASH	L678442
Isopropylbenzene	<0.0009	mg/Kg - dry	0.0009	0.0024	1	04/25/23 18:50	ASH	L678442
4-Isopropyl toluene	<0.0011	mg/Kg - dry	0.0011	0.0024	1	04/25/23 18:50	ASH	L678442
4-Methyl-2-Pentanone	<0.0070	mg/Kg - dry	0.0070	0.0120	1	04/25/23 18:50	ASH	L678442
Methylene Chloride	<0.0033	mg/Kg - dry	0.0033	0.0120	1	04/25/23 18:50	ASH	L678442
Methyl tert-butyl ether (MTBE)	<0.0007	mg/Kg - dry	0.0007	0.0024	1	04/25/23 18:50	ASH	L678442
m,p-Xylene	**0.0025 J**	mg/Kg - dry	0.0017	0.0048	1	04/25/23 18:50	ASH	L678442
Naphthalene	<0.0076	mg/Kg - dry	0.0076	0.0120	1	04/25/23 18:50	ASH	L678442
o-Xylene	**0.0009 J**	mg/Kg - dry	0.0009	0.0024	1	04/25/23 18:50	ASH	L678442
n-Propyl acetate	<0.0081	mg/Kg - dry	0.0081	0.0120	1	04/25/23 18:50	ASH	L678442
n-Propylbenzene	<0.0007	mg/Kg - dry	0.0007	0.0024	1	04/25/23 18:50	ASH	L678442
Styrene	<0.0013	mg/Kg - dry	0.0013	0.0024	1	04/25/23 18:50	ASH	L678442
1,1,1,2-Tetrachloroethane	<0.0010	mg/Kg - dry	0.0010	0.0024	1	04/25/23 18:50	ASH	L678442
1,1,2,2-Tetrachloroethane	<0.0022	mg/Kg - dry	0.0022	0.0024	1	04/25/23 18:50	ASH	L678442
Tetrachloroethene	<0.0009	mg/Kg - dry	0.0009	0.0024	1	04/25/23 18:50	ASH	L678442
Toluene	**0.0056**	mg/Kg - dry	0.0039	0.0048	1	04/25/23 18:50	ASH	L678442
1,2,3-Trichlorobenzene	<0.0024	mg/Kg - dry	0.0024	0.0024	1	04/25/23 18:50	ASH	L678442
1,2,4-Trichlorobenzene	<0.0013	mg/Kg - dry	0.0013	0.0024	1	04/25/23 18:50	ASH	L678442
1,1,1-Trichloroethane	<0.0004	mg/Kg - dry	0.0004	0.0024	1	04/25/23 18:50	ASH	L678442
1,1,2-Trichloroethane	<0.0012	mg/Kg - dry	0.0012	0.0024	1	04/25/23 18:50	ASH	L678442

Qualifiers/ Definitions
DF Dilution Factor
MQL Method Quantitation Limit
J Estimated value

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Report Date : 04/27/2023
Received : 04/20/2023

Rebekah Ross
Project Manager

Report Number : **23-111-0040**

REPORT OF ANALYSIS

Lab No : **99833**
Sample ID : **LEGSSB42-03**

Matrix: **Solids**
Sampled: **4/20/2023 14:30**

Analytical Method: 8260B **Prep Batch(es):** **L678321** 04/25/23 09:47
Prep Method: 5035

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Batch
Trichloroethene	<0.0010	mg/Kg - dry	0.0010	0.0024	1	04/25/23 18:50	ASH	L678442
Trichlorofluoromethane	<0.0010	mg/Kg - dry	0.0010	0.0024	1	04/25/23 18:50	ASH	L678442
1,2,3-Trichloropropane	<0.0018	mg/Kg - dry	0.0018	0.0024	1	04/25/23 18:50	ASH	L678442
1,2,4-Trimethylbenzene	**0.0013 J**	mg/Kg - dry	0.0009	0.0024	1	04/25/23 18:50	ASH	L678442
1,3,5-Trimethylbenzene	<0.0010	mg/Kg - dry	0.0010	0.0024	1	04/25/23 18:50	ASH	L678442
Vinyl Acetate	<0.0048	mg/Kg - dry	0.0048	0.0482	1	04/25/23 18:50	ASH	L678442
Vinyl Chloride	<0.0008	mg/Kg - dry	0.0008	0.0024	1	04/25/23 18:50	ASH	L678442
Xylene (Total)	**0.0035 J**	mg/Kg - dry	0.0009	0.0024	1	04/25/23 18:50	KCC	L678442
Surrogate: 4-Bromofluorobenzene	75.3		Limits: 60-140%		1	04/25/23 18:50	ASH	L678442
Surrogate: 1,2-Dichloroethane - d4	95.3		Limits: 60-140%		1	04/25/23 18:50	ASH	L678442
Surrogate: Toluene-d8	73.1		Limits: 60-140%		1	04/25/23 18:50	ASH	L678442

Qualifiers/ Definitions

DF Dilution Factor
MQL Method Quantitation Limit
J Estimated value

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Report Date : 04/27/2023
Received : 04/20/2023

Rebekah Ross
Project Manager

Report Number : **23-111-0040**

REPORT OF ANALYSIS

Lab No : **99834**
Sample ID : **LEGSSB43-04**

Matrix: **Solids**
Sampled: **4/20/2023 14:34**

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Method
Moisture	**15.4**	%			1	04/24/23 13:25	JLS	SW-DRYWT
Arsenic	**2.79 J**	mg/Kg - dry	1.42	2.96	5	04/25/23 19:08	BKN	6010D
Barium	**106**	mg/Kg - dry	0.768	2.96	5	04/25/23 19:08	BKN	6010D
Cadmium	<0.118	mg/Kg - dry	0.118	0.591	5	04/25/23 19:08	BKN	6010D
Chromium	**19.3**	mg/Kg - dry	1.39	1.48	5	04/25/23 19:08	BKN	6010D
Lead	**9.85**	mg/Kg - dry	1.06	1.77	5	04/25/23 19:08	BKN	6010D
Mercury	<0.0261	mg/Kg - dry	0.0261	0.216	1	04/27/23 13:43	FDS	7471A
Selenium	<1.89	mg/Kg - dry	1.89	2.96	5	04/25/23 19:08	BKN	6010D
Silver	<0.946	mg/Kg - dry	0.946	1.48	5	04/25/23 19:08	BKN	6010D

Qualifiers/ Definitions

DF Dilution Factor
MQL Method Quantitation Limit
J Estimated value

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Memphis , TN 38134

Project Legends Park
Information : 198 N. Pauline-Memphis, TN
Project No. 0888834617

Report Date : 04/27/2023
Received : 04/20/2023

Rebekah Ross
Project Manager

Report Number : **23-111-0040**

REPORT OF ANALYSIS

Lab No : **99834**
Sample ID : **LEGSSB43-04**

Matrix: **Solids**
Sampled: **4/20/2023 14:34**

Analytical Method: 8260B **Prep Batch(es):** **L678321** 04/25/23 09:47
Prep Method: 5035

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Batch
Acetone	**0.0243 J**	mg/Kg - dry	0.0051	0.0472	1	04/25/23 19:24	ASH	L678442
Acetonitrile	<0.0617	mg/Kg - dry	0.0617	0.236	1	04/25/23 19:24	ASH	L678442
Acrolein	<0.0097	mg/Kg - dry	0.0097	0.0472	1	04/25/23 19:24	ASH	L678442
Acrylonitrile	<0.0044	mg/Kg - dry	0.0044	0.0472	1	04/25/23 19:24	ASH	L678442
Benzene	**0.0010 J**	mg/Kg - dry	0.0004	0.0023	1	04/25/23 19:24	ASH	L678442
Bromobenzene	<0.0008	mg/Kg - dry	0.0008	0.0023	1	04/25/23 19:24	ASH	L678442
Bromochloromethane	<0.0005	mg/Kg - dry	0.0005	0.0023	1	04/25/23 19:24	ASH	L678442
Bromodichloromethane	<0.0009	mg/Kg - dry	0.0009	0.0023	1	04/25/23 19:24	ASH	L678442
Bromoform	<0.0015	mg/Kg - dry	0.0015	0.0023	1	04/25/23 19:24	ASH	L678442
Bromomethane	<0.0018	mg/Kg - dry	0.0018	0.0023	1	04/25/23 19:24	ASH	L678442
Methyl Ethyl Ketone (MEK)	<0.0045	mg/Kg - dry	0.0045	0.0472	1	04/25/23 19:24	ASH	L678442
n-Butylbenzene	<0.0011	mg/Kg - dry	0.0011	0.0023	1	04/25/23 19:24	ASH	L678442
sec-Butyl benzene	<0.0011	mg/Kg - dry	0.0011	0.0023	1	04/25/23 19:24	ASH	L678442
tert-Butyl benzene	<0.0008	mg/Kg - dry	0.0008	0.0023	1	04/25/23 19:24	ASH	L678442
Carbon Disulfide	**0.0055 J**	mg/Kg - dry	0.0033	0.0118	1	04/25/23 19:24	ASH	L678442
Carbon Tetrachloride	<0.0004	mg/Kg - dry	0.0004	0.0023	1	04/25/23 19:24	ASH	L678442
Chlorobenzene	<0.0009	mg/Kg - dry	0.0009	0.0023	1	04/25/23 19:24	ASH	L678442
Chlorodibromomethane	<0.0012	mg/Kg - dry	0.0012	0.0023	1	04/25/23 19:24	ASH	L678442
Chloroethane	<0.0009	mg/Kg - dry	0.0009	0.0023	1	04/25/23 19:24	ASH	L678442
Chloroform	<0.0006	mg/Kg - dry	0.0006	0.0023	1	04/25/23 19:24	ASH	L678442
Chloromethane	<0.0008	mg/Kg - dry	0.0008	0.0023	1	04/25/23 19:24	ASH	L678442
2-Chlorotoluene	<0.0011	mg/Kg - dry	0.0011	0.0023	1	04/25/23 19:24	ASH	L678442

Qualifiers/ Definitions
DF Dilution Factor
MQL Method Quantitation Limit
J Estimated value

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Sampled: **4/20/2023 14:34**

Analytical Method: 8260B **Prep Batch(es):** **L678321** 04/25/23 09:47
Prep Method: 5035

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Batch
4-Chlorotoluene	<0.0012	mg/Kg - dry	0.0012	0.0023	1	04/25/23 19:24	ASH	L678442
1,2-Dibromo-3-Chloropropane	<0.0077	mg/Kg - dry	0.0077	0.0118	1	04/25/23 19:24	ASH	L678442
1,2-Dibromoethane	<0.0010	mg/Kg - dry	0.0010	0.0023	1	04/25/23 19:24	ASH	L678442
Dibromomethane	<0.0008	mg/Kg - dry	0.0008	0.0023	1	04/25/23 19:24	ASH	L678442
1,2-Dichlorobenzene	<0.0016	mg/Kg - dry	0.0016	0.0023	1	04/25/23 19:24	ASH	L678442
1,3-Dichlorobenzene	<0.0015	mg/Kg - dry	0.0015	0.0023	1	04/25/23 19:24	ASH	L678442
1,4-Dichlorobenzene	<0.0017	mg/Kg - dry	0.0017	0.0023	1	04/25/23 19:24	ASH	L678442
Dichlorodifluoromethane	<0.0022	mg/Kg - dry	0.0022	0.0023	1	04/25/23 19:24	ASH	L678442
1,1-Dichloroethane	<0.0004	mg/Kg - dry	0.0004	0.0023	1	04/25/23 19:24	ASH	L678442
1,2-Dichloroethane	<0.0005	mg/Kg - dry	0.0005	0.0023	1	04/25/23 19:24	ASH	L678442
1,1-Dichloroethene	<0.0006	mg/Kg - dry	0.0006	0.0023	1	04/25/23 19:24	ASH	L678442
cis-1,2-Dichloroethene	<0.0006	mg/Kg - dry	0.0006	0.0023	1	04/25/23 19:24	ASH	L678442
trans-1,2-Dichloroethene	<0.0003	mg/Kg - dry	0.0003	0.0023	1	04/25/23 19:24	ASH	L678442
1,2-Dichloroethene (Total)	<0.0003	mg/Kg - dry	0.0003	0.0023	1	04/25/23 19:24		L678442
1,2-Dichloropropane	<0.0007	mg/Kg - dry	0.0007	0.0023	1	04/25/23 19:24	ASH	L678442
1,3-Dichloropropane	<0.0010	mg/Kg - dry	0.0010	0.0023	1	04/25/23 19:24	ASH	L678442
2,2-Dichloropropane	<0.0006	mg/Kg - dry	0.0006	0.0023	1	04/25/23 19:24	ASH	L678442
1,1-Dichloropropene	<0.0004	mg/Kg - dry	0.0004	0.0023	1	04/25/23 19:24	ASH	L678442
cis-1,3-Dichloropropene	<0.0009	mg/Kg - dry	0.0009	0.0023	1	04/25/23 19:24	ASH	L678442
trans-1,3-Dichloropropene	<0.0008	mg/Kg - dry	0.0008	0.0023	1	04/25/23 19:24	ASH	L678442
Ethyl Acetate	<0.0071	mg/Kg - dry	0.0071	0.0472	1	04/25/23 19:24	ASH	L678442
Ethylbenzene	**0.0008 J**	mg/Kg - dry	0.0007	0.0023	1	04/25/23 19:24	ASH	L678442

Qualifiers/ Definitions

DF Dilution Factor
MQL Method Quantitation Limit
J Estimated value

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Information : 198 N. Pauline-Memphis, TN
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Report Date : 04/27/2023
Received : 04/20/2023

Rebekah Ross
Project Manager

Report Number : **23-111-0040**

REPORT OF ANALYSIS

Lab No : **99834**
Sample ID : **LEGSSB43-04**

Matrix: **Solids**
Sampled: **4/20/2023 14:34**

Analytical Method: 8260B **Prep Batch(es):** **L678321** 04/25/23 09:47
Prep Method: 5035

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Batch
Hexachlorobutadiene	<0.0010	mg/Kg - dry	0.0010	0.0023	1	04/25/23 19:24	ASH	L678442
2-Hexanone	<0.0071	mg/Kg - dry	0.0071	0.0118	1	04/25/23 19:24	ASH	L678442
Iodomethane	<0.0053	mg/Kg - dry	0.0053	0.0118	1	04/25/23 19:24	ASH	L678442
Isopropylbenzene	<0.0008	mg/Kg - dry	0.0008	0.0023	1	04/25/23 19:24	ASH	L678442
4-Isopropyl toluene	<0.0011	mg/Kg - dry	0.0011	0.0023	1	04/25/23 19:24	ASH	L678442
4-Methyl-2-Pentanone	<0.0069	mg/Kg - dry	0.0069	0.0118	1	04/25/23 19:24	ASH	L678442
Methylene Chloride	<0.0032	mg/Kg - dry	0.0032	0.0118	1	04/25/23 19:24	ASH	L678442
Methyl tert-butyl ether (MTBE)	<0.0007	mg/Kg - dry	0.0007	0.0023	1	04/25/23 19:24	ASH	L678442
m,p-Xylene	<0.0017	mg/Kg - dry	0.0017	0.0047	1	04/25/23 19:24	ASH	L678442
Naphthalene	<0.0074	mg/Kg - dry	0.0074	0.0118	1	04/25/23 19:24	ASH	L678442
o-Xylene	<0.0009	mg/Kg - dry	0.0009	0.0023	1	04/25/23 19:24	ASH	L678442
n-Propyl acetate	<0.0080	mg/Kg - dry	0.0080	0.0118	1	04/25/23 19:24	ASH	L678442
n-Propylbenzene	<0.0007	mg/Kg - dry	0.0007	0.0023	1	04/25/23 19:24	ASH	L678442
Styrene	<0.0013	mg/Kg - dry	0.0013	0.0023	1	04/25/23 19:24	ASH	L678442
1,1,1,2-Tetrachloroethane	<0.0010	mg/Kg - dry	0.0010	0.0023	1	04/25/23 19:24	ASH	L678442
1,1,2,2-Tetrachloroethane	<0.0022	mg/Kg - dry	0.0022	0.0023	1	04/25/23 19:24	ASH	L678442
Tetrachloroethene	<0.0009	mg/Kg - dry	0.0009	0.0023	1	04/25/23 19:24	ASH	L678442
Toluene	<0.0038	mg/Kg - dry	0.0038	0.0047	1	04/25/23 19:24	ASH	L678442
1,2,3-Trichlorobenzene	<0.0023	mg/Kg - dry	0.0023	0.0023	1	04/25/23 19:24	ASH	L678442
1,2,4-Trichlorobenzene	<0.0013	mg/Kg - dry	0.0013	0.0023	1	04/25/23 19:24	ASH	L678442
1,1,1-Trichloroethane	<0.0004	mg/Kg - dry	0.0004	0.0023	1	04/25/23 19:24	ASH	L678442
1,1,2-Trichloroethane	<0.0012	mg/Kg - dry	0.0012	0.0023	1	04/25/23 19:24	ASH	L678442

Qualifiers/ Definitions

DF Dilution Factor
MQL Method Quantitation Limit
J Estimated value

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Analytical Method: 8260B **Prep Batch(es):** **L678321** 04/25/23 09:47
Prep Method: 5035

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Batch
Trichloroethene	<0.0010	mg/Kg - dry	0.0010	0.0023	1	04/25/23 19:24	ASH	L678442
Trichlorofluoromethane	<0.0010	mg/Kg - dry	0.0010	0.0023	1	04/25/23 19:24	ASH	L678442
1,2,3-Trichloropropane	<0.0017	mg/Kg - dry	0.0017	0.0023	1	04/25/23 19:24	ASH	L678442
1,2,4-Trimethylbenzene	<0.0009	mg/Kg - dry	0.0009	0.0023	1	04/25/23 19:24	ASH	L678442
1,3,5-Trimethylbenzene	<0.0010	mg/Kg - dry	0.0010	0.0023	1	04/25/23 19:24	ASH	L678442
Vinyl Acetate	<0.0047	mg/Kg - dry	0.0047	0.0472	1	04/25/23 19:24	ASH	L678442
Vinyl Chloride	<0.0008	mg/Kg - dry	0.0008	0.0023	1	04/25/23 19:24	ASH	L678442
Xylene (Total)	<0.0009	mg/Kg - dry	0.0009	0.0023	1	04/25/23 19:24	KCC	L678442
Surrogate: 4-Bromofluorobenzene	92.3		Limits: 60-140%		1	04/25/23 19:24	ASH	L678442
Surrogate: 1,2-Dichloroethane - d4	122		Limits: 60-140%		1	04/25/23 19:24	ASH	L678442
Surrogate: Toluene-d8	88.1		Limits: 60-140%		1	04/25/23 19:24	ASH	L678442

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REPORT OF ANALYSIS

Lab No : **99835**
Sample ID : **LEGSSB44-01**

Matrix: **Solids**
Sampled: **4/20/2023 14:57**

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Method
Moisture	**20.1**	%			1	04/24/23 13:25	JLS	SW-DRYWT
Arsenic	**11.2**	mg/Kg - dry	1.50	3.13	5	04/25/23 19:13	BKN	6010D
Barium	**175**	mg/Kg - dry	0.813	3.13	5	04/25/23 19:13	BKN	6010D
Cadmium	**0.149 J**	mg/Kg - dry	0.125	0.626	5	04/25/23 19:13	BKN	6010D
Chromium	**20.5**	mg/Kg - dry	1.48	1.56	5	04/25/23 19:13	BKN	6010D
Lead	**28.9**	mg/Kg - dry	1.13	1.88	5	04/25/23 19:13	BKN	6010D
Mercury	**0.0587 J**	mg/Kg - dry	0.0288	0.239	1	04/27/23 13:45	FDS	7471A
Selenium	<2.00	mg/Kg - dry	2.00	3.13	5	04/25/23 19:13	BKN	6010D
Silver	<1.00	mg/Kg - dry	1.00	1.56	5	04/25/23 19:13	BKN	6010D

Qualifiers/ Definitions

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Sampled: **4/20/2023 14:57**

Analytical Method: 8260B **Prep Batch(es):** **L678321** 04/25/23 09:47
Prep Method: 5035

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Batch
Acetone	**0.342**	mg/Kg - dry	0.0054	0.0500	1	04/25/23 19:57	ASH	L678442
Acetonitrile	<0.0653	mg/Kg - dry	0.0653	0.250	1	04/25/23 19:57	ASH	L678442
Acrolein	<0.0103	mg/Kg - dry	0.0103	0.0500	1	04/25/23 19:57	ASH	L678442
Acrylonitrile	<0.0047	mg/Kg - dry	0.0047	0.0500	1	04/25/23 19:57	ASH	L678442
Benzene	<0.0004	mg/Kg - dry	0.0004	0.0025	1	04/25/23 19:57	ASH	L678442
Bromobenzene	<0.0009	mg/Kg - dry	0.0009	0.0025	1	04/25/23 19:57	ASH	L678442
Bromochloromethane	<0.0005	mg/Kg - dry	0.0005	0.0025	1	04/25/23 19:57	ASH	L678442
Bromodichloromethane	<0.0009	mg/Kg - dry	0.0009	0.0025	1	04/25/23 19:57	ASH	L678442
Bromoform	<0.0016	mg/Kg - dry	0.0016	0.0025	1	04/25/23 19:57	ASH	L678442
Bromomethane	<0.0020	mg/Kg - dry	0.0020	0.0025	1	04/25/23 19:57	ASH	L678442
Methyl Ethyl Ketone (MEK)	**0.0245 J**	mg/Kg - dry	0.0047	0.0500	1	04/25/23 19:57	ASH	L678442
n-Butylbenzene	<0.0011	mg/Kg - dry	0.0011	0.0025	1	04/25/23 19:57	ASH	L678442
sec-Butyl benzene	<0.0011	mg/Kg - dry	0.0011	0.0025	1	04/25/23 19:57	ASH	L678442
tert-Butyl benzene	<0.0009	mg/Kg - dry	0.0009	0.0025	1	04/25/23 19:57	ASH	L678442
Carbon Disulfide	<0.0035	mg/Kg - dry	0.0035	0.0125	1	04/25/23 19:57	ASH	L678442
Carbon Tetrachloride	<0.0005	mg/Kg - dry	0.0005	0.0025	1	04/25/23 19:57	ASH	L678442
Chlorobenzene	<0.0009	mg/Kg - dry	0.0009	0.0025	1	04/25/23 19:57	ASH	L678442
Chlorodibromomethane	<0.0013	mg/Kg - dry	0.0013	0.0025	1	04/25/23 19:57	ASH	L678442
Chloroethane	<0.0010	mg/Kg - dry	0.0010	0.0025	1	04/25/23 19:57	ASH	L678442
Chloroform	<0.0006	mg/Kg - dry	0.0006	0.0025	1	04/25/23 19:57	ASH	L678442
Chloromethane	<0.0009	mg/Kg - dry	0.0009	0.0025	1	04/25/23 19:57	ASH	L678442
2-Chlorotoluene	<0.0012	mg/Kg - dry	0.0012	0.0025	1	04/25/23 19:57	ASH	L678442

Qualifiers/ Definitions
DF Dilution Factor
MQL Method Quantitation Limit
J Estimated value

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Prep Method: 5035

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4-Chlorotoluene	<0.0013	mg/Kg - dry	0.0013	0.0025	1	04/25/23 19:57	ASH	L678442
1,2-Dibromo-3-Chloropropane	<0.0082	mg/Kg - dry	0.0082	0.0125	1	04/25/23 19:57	ASH	L678442
1,2-Dibromoethane	<0.0011	mg/Kg - dry	0.0011	0.0025	1	04/25/23 19:57	ASH	L678442
Dibromomethane	<0.0008	mg/Kg - dry	0.0008	0.0025	1	04/25/23 19:57	ASH	L678442
1,2-Dichlorobenzene	<0.0017	mg/Kg - dry	0.0017	0.0025	1	04/25/23 19:57	ASH	L678442
1,3-Dichlorobenzene	<0.0016	mg/Kg - dry	0.0016	0.0025	1	04/25/23 19:57	ASH	L678442
1,4-Dichlorobenzene	<0.0018	mg/Kg - dry	0.0018	0.0025	1	04/25/23 19:57	ASH	L678442
Dichlorodifluoromethane	<0.0023	mg/Kg - dry	0.0023	0.0025	1	04/25/23 19:57	ASH	L678442
1,1-Dichloroethane	<0.0004	mg/Kg - dry	0.0004	0.0025	1	04/25/23 19:57	ASH	L678442
1,2-Dichloroethane	<0.0005	mg/Kg - dry	0.0005	0.0025	1	04/25/23 19:57	ASH	L678442
1,1-Dichloroethene	<0.0007	mg/Kg - dry	0.0007	0.0025	1	04/25/23 19:57	ASH	L678442
cis-1,2-Dichloroethene	<0.0006	mg/Kg - dry	0.0006	0.0025	1	04/25/23 19:57	ASH	L678442
trans-1,2-Dichloroethene	<0.0003	mg/Kg - dry	0.0003	0.0025	1	04/25/23 19:57	ASH	L678442
1,2-Dichloroethene (Total)	<0.0003	mg/Kg - dry	0.0003	0.0025	1	04/25/23 19:57		L678442
1,2-Dichloropropane	<0.0008	mg/Kg - dry	0.0008	0.0025	1	04/25/23 19:57	ASH	L678442
1,3-Dichloropropane	<0.0011	mg/Kg - dry	0.0011	0.0025	1	04/25/23 19:57	ASH	L678442
2,2-Dichloropropane	<0.0007	mg/Kg - dry	0.0007	0.0025	1	04/25/23 19:57	ASH	L678442
1,1-Dichloropropene	<0.0004	mg/Kg - dry	0.0004	0.0025	1	04/25/23 19:57	ASH	L678442
cis-1,3-Dichloropropene	<0.0009	mg/Kg - dry	0.0009	0.0025	1	04/25/23 19:57	ASH	L678442
trans-1,3-Dichloropropene	<0.0009	mg/Kg - dry	0.0009	0.0025	1	04/25/23 19:57	ASH	L678442
Ethyl Acetate	<0.0075	mg/Kg - dry	0.0075	0.0500	1	04/25/23 19:57	ASH	L678442
Ethylbenzene	<0.0008	mg/Kg - dry	0.0008	0.0025	1	04/25/23 19:57	ASH	L678442

Qualifiers/ Definitions

DF Dilution Factor
MQL Method Quantitation Limit
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Report Number : **23-111-0040**

REPORT OF ANALYSIS

Lab No : **99835**
Sample ID : **LEGSSB44-01**

Matrix: **Solids**
Sampled: **4/20/2023 14:57**

Analytical Method: 8260B **Prep Batch(es):** **L678321** 04/25/23 09:47
Prep Method: 5035

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Batch
Hexachlorobutadiene	<0.0011	mg/Kg - dry	0.0011	0.0025	1	04/25/23 19:57	ASH	L678442
2-Hexanone	<0.0075	mg/Kg - dry	0.0075	0.0125	1	04/25/23 19:57	ASH	L678442
Iodomethane	<0.0056	mg/Kg - dry	0.0056	0.0125	1	04/25/23 19:57	ASH	L678442
Isopropylbenzene	<0.0009	mg/Kg - dry	0.0009	0.0025	1	04/25/23 19:57	ASH	L678442
4-Isopropyl toluene	<0.0012	mg/Kg - dry	0.0012	0.0025	1	04/25/23 19:57	ASH	L678442
4-Methyl-2-Pentanone	<0.0073	mg/Kg - dry	0.0073	0.0125	1	04/25/23 19:57	ASH	L678442
Methylene Chloride	<0.0034	mg/Kg - dry	0.0034	0.0125	1	04/25/23 19:57	ASH	L678442
Methyl tert-butyl ether (MTBE)	<0.0007	mg/Kg - dry	0.0007	0.0025	1	04/25/23 19:57	ASH	L678442
m,p-Xylene	<0.0018	mg/Kg - dry	0.0018	0.0050	1	04/25/23 19:57	ASH	L678442
Naphthalene	<0.0079	mg/Kg - dry	0.0079	0.0125	1	04/25/23 19:57	ASH	L678442
o-Xylene	<0.0009	mg/Kg - dry	0.0009	0.0025	1	04/25/23 19:57	ASH	L678442
n-Propyl acetate	<0.0084	mg/Kg - dry	0.0084	0.0125	1	04/25/23 19:57	ASH	L678442
n-Propylbenzene	<0.0007	mg/Kg - dry	0.0007	0.0025	1	04/25/23 19:57	ASH	L678442
Styrene	<0.0014	mg/Kg - dry	0.0014	0.0025	1	04/25/23 19:57	ASH	L678442
1,1,1,2-Tetrachloroethane	<0.0011	mg/Kg - dry	0.0011	0.0025	1	04/25/23 19:57	ASH	L678442
1,1,2,2-Tetrachloroethane	<0.0023	mg/Kg - dry	0.0023	0.0025	1	04/25/23 19:57	ASH	L678442
Tetrachloroethene	<0.0009	mg/Kg - dry	0.0009	0.0025	1	04/25/23 19:57	ASH	L678442
Toluene	<0.0040	mg/Kg - dry	0.0040	0.0050	1	04/25/23 19:57	ASH	L678442
1,2,3-Trichlorobenzene	<0.0025	mg/Kg - dry	0.0025	0.0025	1	04/25/23 19:57	ASH	L678442
1,2,4-Trichlorobenzene	<0.0014	mg/Kg - dry	0.0014	0.0025	1	04/25/23 19:57	ASH	L678442
1,1,1-Trichloroethane	<0.0004	mg/Kg - dry	0.0004	0.0025	1	04/25/23 19:57	ASH	L678442
1,1,2-Trichloroethane	<0.0012	mg/Kg - dry	0.0012	0.0025	1	04/25/23 19:57	ASH	L678442

Qualifiers/ Definitions
DF Dilution Factor
MQL Method Quantitation Limit
J Estimated value

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Project Legends Park

Information : 198 N. Pauline-Memphis, TN
Project No. 0888834617

Report Date : 04/27/2023
Received : 04/20/2023

Rebekah Ross
Project Manager

Report Number : **23-111-0040**

REPORT OF ANALYSIS

Lab No : **99835**
Sample ID : **LEGSSB44-01**

Matrix: **Solids**
Sampled: **4/20/2023 14:57**

Analytical Method: 8260B **Prep Batch(es):** **L678321** 04/25/23 09:47
Prep Method: 5035

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Batch
Trichloroethene	<0.0011	mg/Kg - dry	0.0011	0.0025	1	04/25/23 19:57	ASH	L678442
Trichlorofluoromethane	<0.0011	mg/Kg - dry	0.0011	0.0025	1	04/25/23 19:57	ASH	L678442
1,2,3-Trichloropropane	<0.0019	mg/Kg - dry	0.0019	0.0025	1	04/25/23 19:57	ASH	L678442
1,2,4-Trimethylbenzene	<0.0010	mg/Kg - dry	0.0010	0.0025	1	04/25/23 19:57	ASH	L678442
1,3,5-Trimethylbenzene	<0.0011	mg/Kg - dry	0.0011	0.0025	1	04/25/23 19:57	ASH	L678442
Vinyl Acetate	<0.0050	mg/Kg - dry	0.0050	0.0500	1	04/25/23 19:57	ASH	L678442
Vinyl Chloride	<0.0009	mg/Kg - dry	0.0009	0.0025	1	04/25/23 19:57	ASH	L678442
Xylene (Total)	<0.0009	mg/Kg - dry	0.0009	0.0025	1	04/25/23 19:57	KCC	L678442
Surrogate: 4-Bromofluorobenzene	86.8		Limits: 60-140%		1	04/25/23 19:57	ASH	L678442
Surrogate: 1,2-Dichloroethane - d4	119		Limits: 60-140%		1	04/25/23 19:57	ASH	L678442
Surrogate: Toluene-d8	89.8		Limits: 60-140%		1	04/25/23 19:57	ASH	L678442

Qualifiers/ Definitions

DF Dilution Factor
MQL Method Quantitation Limit
J Estimated value

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Report Date : 04/27/2023
Received : 04/20/2023

Rebekah Ross
Project Manager

Report Number : **23-111-0040**

REPORT OF ANALYSIS

Lab No : **99836**
Sample ID : **LEGSSB45-01**

Matrix: **Solids**
Sampled: **4/20/2023 15:00**

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Method
Moisture	**16.8**	%			1	04/24/23 13:25	JLS	SW-DRYWT
Arsenic	**9.83**	mg/Kg - dry	1.44	3.00	5	04/25/23 19:18	BKN	6010D
Barium	**126**	mg/Kg - dry	0.781	3.00	5	04/25/23 19:18	BKN	6010D
Cadmium	**0.255 J**	mg/Kg - dry	0.120	0.601	5	04/25/23 19:18	BKN	6010D
Chromium	**16.8**	mg/Kg - dry	1.42	1.50	5	04/25/23 19:18	BKN	6010D
Lead	**12.9**	mg/Kg - dry	1.08	1.80	5	04/25/23 19:18	BKN	6010D
Mercury	**0.0397 J**	mg/Kg - dry	0.0239	0.198	1	04/27/23 13:46	FDS	7471A
Selenium	<1.92	mg/Kg - dry	1.92	3.00	5	04/25/23 19:18	BKN	6010D
Silver	<0.962	mg/Kg - dry	0.962	1.50	5	04/25/23 19:18	BKN	6010D

Qualifiers/ Definitions

DF Dilution Factor
MQL Method Quantitation Limit
J Estimated value

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Project Legends Park

Information : 198 N. Pauline-Memphis, TN
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Report Date : 04/27/2023
Received : 04/20/2023

Rebekah Ross
Project Manager

Report Number : **23-111-0040**

REPORT OF ANALYSIS

Lab No : **99836**
Sample ID : **LEGSSB45-01**

Matrix: **Solids**
Sampled: **4/20/2023 15:00**

Analytical Method: 8260B **Prep Batch(es):** **L678321** 04/25/23 09:47
Prep Method: 5035

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Batch
Acetone	**0.436**	mg/Kg - dry	0.0052	0.0480	1	04/25/23 20:31	ASH	L678442
Acetonitrile	<0.0627	mg/Kg - dry	0.0627	0.240	1	04/25/23 20:31	ASH	L678442
Acrolein	<0.0099	mg/Kg - dry	0.0099	0.0480	1	04/25/23 20:31	ASH	L678442
Acrylonitrile	<0.0045	mg/Kg - dry	0.0045	0.0480	1	04/25/23 20:31	ASH	L678442
Benzene	**0.0011 J**	mg/Kg - dry	0.0004	0.0024	1	04/25/23 20:31	ASH	L678442
Bromobenzene	<0.0009	mg/Kg - dry	0.0009	0.0024	1	04/25/23 20:31	ASH	L678442
Bromochloromethane	<0.0005	mg/Kg - dry	0.0005	0.0024	1	04/25/23 20:31	ASH	L678442
Bromodichloromethane	<0.0009	mg/Kg - dry	0.0009	0.0024	1	04/25/23 20:31	ASH	L678442
Bromoform	<0.0015	mg/Kg - dry	0.0015	0.0024	1	04/25/23 20:31	ASH	L678442
Bromomethane	<0.0019	mg/Kg - dry	0.0019	0.0024	1	04/25/23 20:31	ASH	L678442
Methyl Ethyl Ketone (MEK)	**0.0491**	mg/Kg - dry	0.0045	0.0480	1	04/25/23 20:31	ASH	L678442
n-Butylbenzene	<0.0011	mg/Kg - dry	0.0011	0.0024	1	04/25/23 20:31	ASH	L678442
sec-Butyl benzene	<0.0011	mg/Kg - dry	0.0011	0.0024	1	04/25/23 20:31	ASH	L678442
tert-Butyl benzene	<0.0008	mg/Kg - dry	0.0008	0.0024	1	04/25/23 20:31	ASH	L678442
Carbon Disulfide	<0.0034	mg/Kg - dry	0.0034	0.0120	1	04/25/23 20:31	ASH	L678442
Carbon Tetrachloride	<0.0004	mg/Kg - dry	0.0004	0.0024	1	04/25/23 20:31	ASH	L678442
Chlorobenzene	<0.0009	mg/Kg - dry	0.0009	0.0024	1	04/25/23 20:31	ASH	L678442
Chlorodibromomethane	<0.0012	mg/Kg - dry	0.0012	0.0024	1	04/25/23 20:31	ASH	L678442
Chloroethane	<0.0010	mg/Kg - dry	0.0010	0.0024	1	04/25/23 20:31	ASH	L678442
Chloroform	<0.0006	mg/Kg - dry	0.0006	0.0024	1	04/25/23 20:31	ASH	L678442
Chloromethane	<0.0008	mg/Kg - dry	0.0008	0.0024	1	04/25/23 20:31	ASH	L678442
2-Chlorotoluene	<0.0011	mg/Kg - dry	0.0011	0.0024	1	04/25/23 20:31	ASH	L678442

Qualifiers/ Definitions

DF Dilution Factor
MQL Method Quantitation Limit
J Estimated value

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Project Legends Park

Information : 198 N. Pauline-Memphis, TN
Project No. 0888834617

Report Date : 04/27/2023
Received : 04/20/2023

Rebekah Ross
Project Manager

Report Number : **23-111-0040**

REPORT OF ANALYSIS

Lab No : **99836**
Sample ID : **LEGSSB45-01**

Matrix: **Solids**
Sampled: **4/20/2023 15:00**

Analytical Method: 8260B **Prep Batch(es):** **L678321** 04/25/23 09:47
Prep Method: 5035

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Batch
4-Chlorotoluene	<0.0012	mg/Kg - dry	0.0012	0.0024	1	04/25/23 20:31	ASH	L678442
1,2-Dibromo-3-Chloropropane	<0.0079	mg/Kg - dry	0.0079	0.0120	1	04/25/23 20:31	ASH	L678442
1,2-Dibromoethane	<0.0010	mg/Kg - dry	0.0010	0.0024	1	04/25/23 20:31	ASH	L678442
Dibromomethane	<0.0008	mg/Kg - dry	0.0008	0.0024	1	04/25/23 20:31	ASH	L678442
1,2-Dichlorobenzene	<0.0016	mg/Kg - dry	0.0016	0.0024	1	04/25/23 20:31	ASH	L678442
1,3-Dichlorobenzene	<0.0016	mg/Kg - dry	0.0016	0.0024	1	04/25/23 20:31	ASH	L678442
1,4-Dichlorobenzene	<0.0018	mg/Kg - dry	0.0018	0.0024	1	04/25/23 20:31	ASH	L678442
Dichlorodifluoromethane	<0.0022	mg/Kg - dry	0.0022	0.0024	1	04/25/23 20:31	ASH	L678442
1,1-Dichloroethane	<0.0004	mg/Kg - dry	0.0004	0.0024	1	04/25/23 20:31	ASH	L678442
1,2-Dichloroethane	<0.0005	mg/Kg - dry	0.0005	0.0024	1	04/25/23 20:31	ASH	L678442
1,1-Dichloroethene	<0.0006	mg/Kg - dry	0.0006	0.0024	1	04/25/23 20:31	ASH	L678442
cis-1,2-Dichloroethene	<0.0006	mg/Kg - dry	0.0006	0.0024	1	04/25/23 20:31	ASH	L678442
trans-1,2-Dichloroethene	<0.0003	mg/Kg - dry	0.0003	0.0024	1	04/25/23 20:31	ASH	L678442
1,2-Dichloroethene (Total)	<0.0003	mg/Kg - dry	0.0003	0.0024	1	04/25/23 20:31		L678442
1,2-Dichloropropane	<0.0007	mg/Kg - dry	0.0007	0.0024	1	04/25/23 20:31	ASH	L678442
1,3-Dichloropropane	<0.0010	mg/Kg - dry	0.0010	0.0024	1	04/25/23 20:31	ASH	L678442
2,2-Dichloropropane	<0.0006	mg/Kg - dry	0.0006	0.0024	1	04/25/23 20:31	ASH	L678442
1,1-Dichloropropene	<0.0004	mg/Kg - dry	0.0004	0.0024	1	04/25/23 20:31	ASH	L678442
cis-1,3-Dichloropropene	<0.0009	mg/Kg - dry	0.0009	0.0024	1	04/25/23 20:31	ASH	L678442
trans-1,3-Dichloropropene	<0.0009	mg/Kg - dry	0.0009	0.0024	1	04/25/23 20:31	ASH	L678442
Ethyl Acetate	<0.0072	mg/Kg - dry	0.0072	0.0480	1	04/25/23 20:31	ASH	L678442
Ethylbenzene	<0.0007	mg/Kg - dry	0.0007	0.0024	1	04/25/23 20:31	ASH	L678442

Qualifiers/ Definitions

DF Dilution Factor
MQL Method Quantitation Limit
J Estimated value

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Project Legends Park
Information : 198 N. Pauline-Memphis, TN
Project No. 0888834617

Report Date : 04/27/2023
Received : 04/20/2023

Rebekah Ross
Project Manager

Report Number : **23-111-0040**

REPORT OF ANALYSIS

Lab No : **99836**
Sample ID : **LEGSSB45-01**

Matrix: **Solids**
Sampled: **4/20/2023 15:00**

Analytical Method: 8260B **Prep Batch(es):** **L678321** 04/25/23 09:47
Prep Method: 5035

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Batch
Hexachlorobutadiene	<0.0011	mg/Kg - dry	0.0011	0.0024	1	04/25/23 20:31	ASH	L678442
2-Hexanone	<0.0072	mg/Kg - dry	0.0072	0.0120	1	04/25/23 20:31	ASH	L678442
Iodomethane	<0.0054	mg/Kg - dry	0.0054	0.0120	1	04/25/23 20:31	ASH	L678442
Isopropylbenzene	<0.0009	mg/Kg - dry	0.0009	0.0024	1	04/25/23 20:31	ASH	L678442
4-Isopropyl toluene	<0.0011	mg/Kg - dry	0.0011	0.0024	1	04/25/23 20:31	ASH	L678442
4-Methyl-2-Pentanone	<0.0070	mg/Kg - dry	0.0070	0.0120	1	04/25/23 20:31	ASH	L678442
Methylene Chloride	<0.0033	mg/Kg - dry	0.0033	0.0120	1	04/25/23 20:31	ASH	L678442
Methyl tert-butyl ether (MTBE)	<0.0007	mg/Kg - dry	0.0007	0.0024	1	04/25/23 20:31	ASH	L678442
m,p-Xylene	<0.0017	mg/Kg - dry	0.0017	0.0048	1	04/25/23 20:31	ASH	L678442
Naphthalene	<0.0076	mg/Kg - dry	0.0076	0.0120	1	04/25/23 20:31	ASH	L678442
o-Xylene	<0.0009	mg/Kg - dry	0.0009	0.0024	1	04/25/23 20:31	ASH	L678442
n-Propyl acetate	<0.0081	mg/Kg - dry	0.0081	0.0120	1	04/25/23 20:31	ASH	L678442
n-Propylbenzene	<0.0007	mg/Kg - dry	0.0007	0.0024	1	04/25/23 20:31	ASH	L678442
Styrene	<0.0013	mg/Kg - dry	0.0013	0.0024	1	04/25/23 20:31	ASH	L678442
1,1,1,2-Tetrachloroethane	<0.0010	mg/Kg - dry	0.0010	0.0024	1	04/25/23 20:31	ASH	L678442
1,1,2,2-Tetrachloroethane	<0.0022	mg/Kg - dry	0.0022	0.0024	1	04/25/23 20:31	ASH	L678442
Tetrachloroethene	<0.0009	mg/Kg - dry	0.0009	0.0024	1	04/25/23 20:31	ASH	L678442
Toluene	<0.0039	mg/Kg - dry	0.0039	0.0048	1	04/25/23 20:31	ASH	L678442
1,2,3-Trichlorobenzene	<0.0024	mg/Kg - dry	0.0024	0.0024	1	04/25/23 20:31	ASH	L678442
1,2,4-Trichlorobenzene	<0.0013	mg/Kg - dry	0.0013	0.0024	1	04/25/23 20:31	ASH	L678442
1,1,1-Trichloroethane	<0.0004	mg/Kg - dry	0.0004	0.0024	1	04/25/23 20:31	ASH	L678442
1,1,2-Trichloroethane	<0.0012	mg/Kg - dry	0.0012	0.0024	1	04/25/23 20:31	ASH	L678442

Qualifiers/ Definitions
DF Dilution Factor
MQL Method Quantitation Limit
J Estimated value

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Project Legends Park
Information : 198 N. Pauline-Memphis, TN
Project No. 0888834617

Report Date : 04/27/2023
Received : 04/20/2023

Rebekah Ross
Project Manager

Report Number : **23-111-0040**

REPORT OF ANALYSIS

Lab No : **99836**
Sample ID : **LEGSSB45-01**

Matrix: **Solids**
Sampled: **4/20/2023 15:00**

Analytical Method: 8260B **Prep Batch(es):** **L678321** 04/25/23 09:47
Prep Method: 5035

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Batch
Trichloroethene	<0.0010	mg/Kg - dry	0.0010	0.0024	1	04/25/23 20:31	ASH	L678442
Trichlorofluoromethane	<0.0010	mg/Kg - dry	0.0010	0.0024	1	04/25/23 20:31	ASH	L678442
1,2,3-Trichloropropane	<0.0018	mg/Kg - dry	0.0018	0.0024	1	04/25/23 20:31	ASH	L678442
1,2,4-Trimethylbenzene	<0.0009	mg/Kg - dry	0.0009	0.0024	1	04/25/23 20:31	ASH	L678442
1,3,5-Trimethylbenzene	<0.0010	mg/Kg - dry	0.0010	0.0024	1	04/25/23 20:31	ASH	L678442
Vinyl Acetate	<0.0048	mg/Kg - dry	0.0048	0.0480	1	04/25/23 20:31	ASH	L678442
Vinyl Chloride	<0.0008	mg/Kg - dry	0.0008	0.0024	1	04/25/23 20:31	ASH	L678442
Xylene (Total)	<0.0009	mg/Kg - dry	0.0009	0.0024	1	04/25/23 20:31	KCC	L678442
Surrogate: 4-Bromofluorobenzene	89.7		Limits: 60-140%		1	04/25/23 20:31	ASH	L678442
Surrogate: 1,2-Dichloroethane - d4	115		Limits: 60-140%		1	04/25/23 20:31	ASH	L678442
Surrogate: Toluene-d8	90.1		Limits: 60-140%		1	04/25/23 20:31	ASH	L678442

Qualifiers/ Definitions
DF Dilution Factor
MQL Method Quantitation Limit
J Estimated value

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Project Legends Park

Information : 198 N. Pauline-Memphis, TN
Project No. 0888834617

Report Date : 04/27/2023
Received : 04/20/2023

Rebekah Ross
Project Manager

Report Number : **23-111-0040**

REPORT OF ANALYSIS

Lab No : **99837**
Sample ID : **LEGSSB46-01**

Matrix: **Solids**
Sampled: **4/20/2023 15:15**

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Method
Moisture	**13.7**	%			1	04/24/23 13:25	JLS	SW-DRYWT
Arsenic	**11.8**	mg/Kg - dry	1.39	2.90	5	04/25/23 19:23	BKN	6010D
Barium	**130**	mg/Kg - dry	0.753	2.90	5	04/25/23 19:23	BKN	6010D
Cadmium	**0.210 J**	mg/Kg - dry	0.116	0.579	5	04/25/23 19:23	BKN	6010D
Chromium	**15.2**	mg/Kg - dry	1.37	1.45	5	04/25/23 19:23	BKN	6010D
Lead	**36.3**	mg/Kg - dry	1.04	1.74	5	04/25/23 19:23	BKN	6010D
Mercury	**0.0334 J**	mg/Kg - dry	0.0246	0.204	1	04/27/23 13:50	FDS	7471A
Selenium	<1.85	mg/Kg - dry	1.85	2.90	5	04/25/23 19:23	BKN	6010D
Silver	<0.927	mg/Kg - dry	0.927	1.45	5	04/25/23 19:23	BKN	6010D

Qualifiers/ Definitions

DF Dilution Factor
MQL Method Quantitation Limit
J Estimated value

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Project Legends Park
Information : 198 N. Pauline-Memphis, TN
Project No. 0888834617

Report Date : 04/27/2023
Received : 04/20/2023

Rebekah Ross
Project Manager

Report Number : **23-111-0040**

REPORT OF ANALYSIS

Lab No : **99837**
Sample ID : **LEGSSB46-01**

Matrix: **Solids**
Sampled: **4/20/2023 15:15**

Analytical Method: 8260B **Prep Batch(es):** **L678321** 04/25/23 09:47
Prep Method: 5035

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Batch
Acetone	**0.338**	mg/Kg - dry	0.0050	0.0463	1	04/25/23 21:04	ASH	L678442
Acetonitrile	<0.0604	mg/Kg - dry	0.0604	0.232	1	04/25/23 21:04	ASH	L678442
Acrolein	<0.0095	mg/Kg - dry	0.0095	0.0463	1	04/25/23 21:04	ASH	L678442
Acrylonitrile	<0.0043	mg/Kg - dry	0.0043	0.0463	1	04/25/23 21:04	ASH	L678442
Benzene	**0.0006 J**	mg/Kg - dry	0.0004	0.0023	1	04/25/23 21:04	ASH	L678442
Bromobenzene	<0.0008	mg/Kg - dry	0.0008	0.0023	1	04/25/23 21:04	ASH	L678442
Bromochloromethane	<0.0004	mg/Kg - dry	0.0004	0.0023	1	04/25/23 21:04	ASH	L678442
Bromodichloromethane	<0.0009	mg/Kg - dry	0.0009	0.0023	1	04/25/23 21:04	ASH	L678442
Bromoform	<0.0015	mg/Kg - dry	0.0015	0.0023	1	04/25/23 21:04	ASH	L678442
Bromomethane	<0.0018	mg/Kg - dry	0.0018	0.0023	1	04/25/23 21:04	ASH	L678442
Methyl Ethyl Ketone (MEK)	**0.0405 J**	mg/Kg - dry	0.0044	0.0463	1	04/25/23 21:04	ASH	L678442
n-Butylbenzene	<0.0010	mg/Kg - dry	0.0010	0.0023	1	04/25/23 21:04	ASH	L678442
sec-Butyl benzene	<0.0010	mg/Kg - dry	0.0010	0.0023	1	04/25/23 21:04	ASH	L678442
tert-Butyl benzene	<0.0008	mg/Kg - dry	0.0008	0.0023	1	04/25/23 21:04	ASH	L678442
Carbon Disulfide	<0.0032	mg/Kg - dry	0.0032	0.0115	1	04/25/23 21:04	ASH	L678442
Carbon Tetrachloride	<0.0004	mg/Kg - dry	0.0004	0.0023	1	04/25/23 21:04	ASH	L678442
Chlorobenzene	<0.0009	mg/Kg - dry	0.0009	0.0023	1	04/25/23 21:04	ASH	L678442
Chlorodibromomethane	<0.0012	mg/Kg - dry	0.0012	0.0023	1	04/25/23 21:04	ASH	L678442
Chloroethane	<0.0009	mg/Kg - dry	0.0009	0.0023	1	04/25/23 21:04	ASH	L678442
Chloroform	<0.0006	mg/Kg - dry	0.0006	0.0023	1	04/25/23 21:04	ASH	L678442
Chloromethane	<0.0008	mg/Kg - dry	0.0008	0.0023	1	04/25/23 21:04	ASH	L678442
2-Chlorotoluene	<0.0011	mg/Kg - dry	0.0011	0.0023	1	04/25/23 21:04	ASH	L678442

Qualifiers/ Definitions
DF Dilution Factor
MQL Method Quantitation Limit
J Estimated value

Waypoint ANALYTICAL

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Project Legends Park

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Analytical Method: 8260B **Prep Batch(es):** **L678321** 04/25/23 09:47
Prep Method: 5035

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Batch
4-Chlorotoluene	<0.0012	mg/Kg - dry	0.0012	0.0023	1	04/25/23 21:04	ASH	L678442
1,2-Dibromo-3-Chloropropane	<0.0076	mg/Kg - dry	0.0076	0.0115	1	04/25/23 21:04	ASH	L678442
1,2-Dibromoethane	<0.0010	mg/Kg - dry	0.0010	0.0023	1	04/25/23 21:04	ASH	L678442
Dibromomethane	<0.0007	mg/Kg - dry	0.0007	0.0023	1	04/25/23 21:04	ASH	L678442
1,2-Dichlorobenzene	<0.0016	mg/Kg - dry	0.0016	0.0023	1	04/25/23 21:04	ASH	L678442
1,3-Dichlorobenzene	<0.0015	mg/Kg - dry	0.0015	0.0023	1	04/25/23 21:04	ASH	L678442
1,4-Dichlorobenzene	<0.0017	mg/Kg - dry	0.0017	0.0023	1	04/25/23 21:04	ASH	L678442
Dichlorodifluoromethane	<0.0021	mg/Kg - dry	0.0021	0.0023	1	04/25/23 21:04	ASH	L678442
1,1-Dichloroethane	<0.0004	mg/Kg - dry	0.0004	0.0023	1	04/25/23 21:04	ASH	L678442
1,2-Dichloroethane	<0.0004	mg/Kg - dry	0.0004	0.0023	1	04/25/23 21:04	ASH	L678442
1,1-Dichloroethene	<0.0006	mg/Kg - dry	0.0006	0.0023	1	04/25/23 21:04	ASH	L678442
cis-1,2-Dichloroethene	<0.0006	mg/Kg - dry	0.0006	0.0023	1	04/25/23 21:04	ASH	L678442
trans-1,2-Dichloroethene	<0.0003	mg/Kg - dry	0.0003	0.0023	1	04/25/23 21:04	ASH	L678442
1,2-Dichloroethene (Total)	<0.0003	mg/Kg - dry	0.0003	0.0023	1	04/25/23 21:04		L678442
1,2-Dichloropropane	<0.0007	mg/Kg - dry	0.0007	0.0023	1	04/25/23 21:04	ASH	L678442
1,3-Dichloropropane	<0.0010	mg/Kg - dry	0.0010	0.0023	1	04/25/23 21:04	ASH	L678442
2,2-Dichloropropane	<0.0006	mg/Kg - dry	0.0006	0.0023	1	04/25/23 21:04	ASH	L678442
1,1-Dichloropropene	<0.0004	mg/Kg - dry	0.0004	0.0023	1	04/25/23 21:04	ASH	L678442
cis-1,3-Dichloropropene	<0.0009	mg/Kg - dry	0.0009	0.0023	1	04/25/23 21:04	ASH	L678442
trans-1,3-Dichloropropene	<0.0008	mg/Kg - dry	0.0008	0.0023	1	04/25/23 21:04	ASH	L678442
Ethyl Acetate	<0.0070	mg/Kg - dry	0.0070	0.0463	1	04/25/23 21:04	ASH	L678442
Ethylbenzene	<0.0007	mg/Kg - dry	0.0007	0.0023	1	04/25/23 21:04	ASH	L678442

Qualifiers/ Definitions

DF Dilution Factor
MQL Method Quantitation Limit
J Estimated value

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Project Legends Park
Information : 198 N. Pauline-Memphis, TN
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Rebekah Ross
Project Manager

Report Number : **23-111-0040**

REPORT OF ANALYSIS

Lab No : **99837**
Sample ID : **LEGSSB46-01**

Matrix: **Solids**
Sampled: **4/20/2023 15:15**

Analytical Method: 8260B **Prep Batch(es):** **L678321** 04/25/23 09:47
Prep Method: 5035

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Batch
Hexachlorobutadiene	<0.0010	mg/Kg - dry	0.0010	0.0023	1	04/25/23 21:04	ASH	L678442
2-Hexanone	<0.0069	mg/Kg - dry	0.0069	0.0115	1	04/25/23 21:04	ASH	L678442
Iodomethane	<0.0052	mg/Kg - dry	0.0052	0.0115	1	04/25/23 21:04	ASH	L678442
Isopropylbenzene	<0.0008	mg/Kg - dry	0.0008	0.0023	1	04/25/23 21:04	ASH	L678442
4-Isopropyl toluene	<0.0011	mg/Kg - dry	0.0011	0.0023	1	04/25/23 21:04	ASH	L678442
4-Methyl-2-Pentanone	<0.0067	mg/Kg - dry	0.0067	0.0115	1	04/25/23 21:04	ASH	L678442
Methylene Chloride	<0.0032	mg/Kg - dry	0.0032	0.0115	1	04/25/23 21:04	ASH	L678442
Methyl tert-butyl ether (MTBE)	<0.0007	mg/Kg - dry	0.0007	0.0023	1	04/25/23 21:04	ASH	L678442
m,p-Xylene	<0.0016	mg/Kg - dry	0.0016	0.0046	1	04/25/23 21:04	ASH	L678442
Naphthalene	<0.0073	mg/Kg - dry	0.0073	0.0115	1	04/25/23 21:04	ASH	L678442
o-Xylene	<0.0009	mg/Kg - dry	0.0009	0.0023	1	04/25/23 21:04	ASH	L678442
n-Propyl acetate	<0.0078	mg/Kg - dry	0.0078	0.0115	1	04/25/23 21:04	ASH	L678442
n-Propylbenzene	<0.0007	mg/Kg - dry	0.0007	0.0023	1	04/25/23 21:04	ASH	L678442
Styrene	<0.0013	mg/Kg - dry	0.0013	0.0023	1	04/25/23 21:04	ASH	L678442
1,1,1,2-Tetrachloroethane	<0.0010	mg/Kg - dry	0.0010	0.0023	1	04/25/23 21:04	ASH	L678442
1,1,2,2-Tetrachloroethane	<0.0021	mg/Kg - dry	0.0021	0.0023	1	04/25/23 21:04	ASH	L678442
Tetrachloroethene	<0.0009	mg/Kg - dry	0.0009	0.0023	1	04/25/23 21:04	ASH	L678442
Toluene	<0.0037	mg/Kg - dry	0.0037	0.0046	1	04/25/23 21:04	ASH	L678442
1,2,3-Trichlorobenzene	<0.0023	mg/Kg - dry	0.0023	0.0023	1	04/25/23 21:04	ASH	L678442
1,2,4-Trichlorobenzene	<0.0013	mg/Kg - dry	0.0013	0.0023	1	04/25/23 21:04	ASH	L678442
1,1,1-Trichloroethane	<0.0004	mg/Kg - dry	0.0004	0.0023	1	04/25/23 21:04	ASH	L678442
1,1,2-Trichloroethane	<0.0011	mg/Kg - dry	0.0011	0.0023	1	04/25/23 21:04	ASH	L678442

Qualifiers/ Definitions
DF Dilution Factor
MQL Method Quantitation Limit
J Estimated value

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REPORT OF ANALYSIS

Lab No : **99837**
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Matrix: **Solids**
Sampled: **4/20/2023 15:15**

Analytical Method: 8260B **Prep Batch(es):** **L678321** 04/25/23 09:47
Prep Method: 5035

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Batch
Trichloroethene	<0.0010	mg/Kg - dry	0.0010	0.0023	1	04/25/23 21:04	ASH	L678442
Trichlorofluoromethane	<0.0010	mg/Kg - dry	0.0010	0.0023	1	04/25/23 21:04	ASH	L678442
1,2,3-Trichloropropane	<0.0017	mg/Kg - dry	0.0017	0.0023	1	04/25/23 21:04	ASH	L678442
1,2,4-Trimethylbenzene	<0.0009	mg/Kg - dry	0.0009	0.0023	1	04/25/23 21:04	ASH	L678442
1,3,5-Trimethylbenzene	<0.0010	mg/Kg - dry	0.0010	0.0023	1	04/25/23 21:04	ASH	L678442
Vinyl Acetate	<0.0046	mg/Kg - dry	0.0046	0.0463	1	04/25/23 21:04	ASH	L678442
Vinyl Chloride	<0.0008	mg/Kg - dry	0.0008	0.0023	1	04/25/23 21:04	ASH	L678442
Xylene (Total)	<0.0009	mg/Kg - dry	0.0009	0.0023	1	04/25/23 21:04	KCC	L678442
Surrogate: 4-Bromofluorobenzene	86.8		Limits: 60-140%		1	04/25/23 21:04	ASH	L678442
Surrogate: 1,2-Dichloroethane - d4	119		Limits: 60-140%		1	04/25/23 21:04	ASH	L678442
Surrogate: Toluene-d8	86.1		Limits: 60-140%		1	04/25/23 21:04	ASH	L678442

Qualifiers/ Definitions

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Project Manager

Report Number : **23-111-0040**

REPORT OF ANALYSIS

Lab No : **99838**
Sample ID : **LEGSSB46-03**

Matrix: **Solids**
Sampled: **4/20/2023 15:21**

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Method
Moisture	**19.8**	%			1	04/24/23 13:25	JLS	SW-DRYWT
Arsenic	**9.23**	mg/Kg - dry	1.50	3.12	5	04/25/23 19:29	BKN	6010D
Barium	**111**	mg/Kg - dry	0.810	3.12	5	04/25/23 19:29	BKN	6010D
Cadmium	**0.211 J**	mg/Kg - dry	0.125	0.623	5	04/25/23 19:29	BKN	6010D
Chromium	**15.5**	mg/Kg - dry	1.47	1.56	5	04/25/23 19:29	BKN	6010D
Lead	**10.5**	mg/Kg - dry	1.12	1.87	5	04/25/23 19:29	BKN	6010D
Mercury	<0.0261	mg/Kg - dry	0.0261	0.216	1	04/27/23 13:52	FDS	7471A
Selenium	<2.00	mg/Kg - dry	2.00	3.12	5	04/25/23 19:29	BKN	6010D
Silver	<0.998	mg/Kg - dry	0.998	1.56	5	04/25/23 19:29	BKN	6010D

Qualifiers/ Definitions

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REPORT OF ANALYSIS

Lab No : **99838**
Sample ID : **LEGSSB46-03**

Matrix: **Solids**
Sampled: **4/20/2023 15:21**

Analytical Method: 8260B **Prep Batch(es):** **L678321** 04/25/23 09:47
Prep Method: 5035

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Batch
Acetone	**0.257**	mg/Kg - dry	0.0054	0.0498	1	04/25/23 21:37	ASH	L678442
Acetonitrile	<0.0650	mg/Kg - dry	0.0650	0.249	1	04/25/23 21:37	ASH	L678442
Acrolein	<0.0102	mg/Kg - dry	0.0102	0.0498	1	04/25/23 21:37	ASH	L678442
Acrylonitrile	<0.0047	mg/Kg - dry	0.0047	0.0498	1	04/25/23 21:37	ASH	L678442
Benzene	<0.0004	mg/Kg - dry	0.0004	0.0024	1	04/25/23 21:37	ASH	L678442
Bromobenzene	<0.0009	mg/Kg - dry	0.0009	0.0024	1	04/25/23 21:37	ASH	L678442
Bromochloromethane	<0.0005	mg/Kg - dry	0.0005	0.0024	1	04/25/23 21:37	ASH	L678442
Bromodichloromethane	<0.0009	mg/Kg - dry	0.0009	0.0024	1	04/25/23 21:37	ASH	L678442
Bromoform	<0.0016	mg/Kg - dry	0.0016	0.0024	1	04/25/23 21:37	ASH	L678442
Bromomethane	<0.0019	mg/Kg - dry	0.0019	0.0024	1	04/25/23 21:37	ASH	L678442
Methyl Ethyl Ketone (MEK)	**0.0407 J**	mg/Kg - dry	0.0047	0.0498	1	04/25/23 21:37	ASH	L678442
n-Butylbenzene	<0.0011	mg/Kg - dry	0.0011	0.0024	1	04/25/23 21:37	ASH	L678442
sec-Butyl benzene	**0.0064**	mg/Kg - dry	0.0011	0.0024	1	04/25/23 21:37	ASH	L678442
tert-Butyl benzene	<0.0009	mg/Kg - dry	0.0009	0.0024	1	04/25/23 21:37	ASH	L678442
Carbon Disulfide	<0.0035	mg/Kg - dry	0.0035	0.0124	1	04/25/23 21:37	ASH	L678442
Carbon Tetrachloride	<0.0005	mg/Kg - dry	0.0005	0.0024	1	04/25/23 21:37	ASH	L678442
Chlorobenzene	<0.0009	mg/Kg - dry	0.0009	0.0024	1	04/25/23 21:37	ASH	L678442
Chlorodibromomethane	<0.0013	mg/Kg - dry	0.0013	0.0024	1	04/25/23 21:37	ASH	L678442
Chloroethane	<0.0010	mg/Kg - dry	0.0010	0.0024	1	04/25/23 21:37	ASH	L678442
Chloroform	<0.0006	mg/Kg - dry	0.0006	0.0024	1	04/25/23 21:37	ASH	L678442
Chloromethane	<0.0008	mg/Kg - dry	0.0008	0.0024	1	04/25/23 21:37	ASH	L678442
2-Chlorotoluene	<0.0012	mg/Kg - dry	0.0012	0.0024	1	04/25/23 21:37	ASH	L678442

Qualifiers/ Definitions
DF Dilution Factor
MQL Method Quantitation Limit
J Estimated value

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REPORT OF ANALYSIS

Lab No : **99838**
Sample ID : **LEGSSB46-03**

Matrix: **Solids**
Sampled: **4/20/2023 15:21**

Analytical Method: 8260B **Prep Batch(es):** **L678321** 04/25/23 09:47
Prep Method: 5035

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Batch
4-Chlorotoluene	<0.0013	mg/Kg - dry	0.0013	0.0024	1	04/25/23 21:37	ASH	L678442
1,2-Dibromo-3-Chloropropane	<0.0082	mg/Kg - dry	0.0082	0.0124	1	04/25/23 21:37	ASH	L678442
1,2-Dibromoethane	<0.0011	mg/Kg - dry	0.0011	0.0024	1	04/25/23 21:37	ASH	L678442
Dibromomethane	<0.0008	mg/Kg - dry	0.0008	0.0024	1	04/25/23 21:37	ASH	L678442
1,2-Dichlorobenzene	<0.0017	mg/Kg - dry	0.0017	0.0024	1	04/25/23 21:37	ASH	L678442
1,3-Dichlorobenzene	<0.0016	mg/Kg - dry	0.0016	0.0024	1	04/25/23 21:37	ASH	L678442
1,4-Dichlorobenzene	<0.0018	mg/Kg - dry	0.0018	0.0024	1	04/25/23 21:37	ASH	L678442
Dichlorodifluoromethane	<0.0023	mg/Kg - dry	0.0023	0.0024	1	04/25/23 21:37	ASH	L678442
1,1-Dichloroethane	<0.0004	mg/Kg - dry	0.0004	0.0024	1	04/25/23 21:37	ASH	L678442
1,2-Dichloroethane	<0.0005	mg/Kg - dry	0.0005	0.0024	1	04/25/23 21:37	ASH	L678442
1,1-Dichloroethene	<0.0007	mg/Kg - dry	0.0007	0.0024	1	04/25/23 21:37	ASH	L678442
cis-1,2-Dichloroethene	<0.0006	mg/Kg - dry	0.0006	0.0024	1	04/25/23 21:37	ASH	L678442
trans-1,2-Dichloroethene	<0.0003	mg/Kg - dry	0.0003	0.0024	1	04/25/23 21:37	ASH	L678442
1,2-Dichloroethene (Total)	<0.0003	mg/Kg - dry	0.0003	0.0024	1	04/25/23 21:37		L678442
1,2-Dichloropropane	<0.0008	mg/Kg - dry	0.0008	0.0024	1	04/25/23 21:37	ASH	L678442
1,3-Dichloropropane	<0.0011	mg/Kg - dry	0.0011	0.0024	1	04/25/23 21:37	ASH	L678442
2,2-Dichloropropane	<0.0007	mg/Kg - dry	0.0007	0.0024	1	04/25/23 21:37	ASH	L678442
1,1-Dichloropropene	<0.0004	mg/Kg - dry	0.0004	0.0024	1	04/25/23 21:37	ASH	L678442
cis-1,3-Dichloropropene	<0.0009	mg/Kg - dry	0.0009	0.0024	1	04/25/23 21:37	ASH	L678442
trans-1,3-Dichloropropene	<0.0009	mg/Kg - dry	0.0009	0.0024	1	04/25/23 21:37	ASH	L678442
Ethyl Acetate	<0.0075	mg/Kg - dry	0.0075	0.0498	1	04/25/23 21:37	ASH	L678442
Ethylbenzene	<0.0007	mg/Kg - dry	0.0007	0.0024	1	04/25/23 21:37	ASH	L678442

Qualifiers/ Definitions
DF Dilution Factor
MQL Method Quantitation Limit
J Estimated value

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Rebekah Ross
Project Manager

Report Number : **23-111-0040**

REPORT OF ANALYSIS

Lab No : **99838**
Sample ID : **LEGSSB46-03**

Matrix: **Solids**
Sampled: **4/20/2023 15:21**

Analytical Method: 8260B **Prep Batch(es):** **L678321** 04/25/23 09:47
Prep Method: 5035

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Batch
Hexachlorobutadiene	<0.0011	mg/Kg - dry	0.0011	0.0024	1	04/25/23 21:37	ASH	L678442
2-Hexanone	<0.0075	mg/Kg - dry	0.0075	0.0124	1	04/25/23 21:37	ASH	L678442
Iodomethane	<0.0056	mg/Kg - dry	0.0056	0.0124	1	04/25/23 21:37	ASH	L678442
Isopropylbenzene	<0.0009	mg/Kg - dry	0.0009	0.0024	1	04/25/23 21:37	ASH	L678442
4-Isopropyl toluene	<0.0012	mg/Kg - dry	0.0012	0.0024	1	04/25/23 21:37	ASH	L678442
4-Methyl-2-Pentanone	<0.0072	mg/Kg - dry	0.0072	0.0124	1	04/25/23 21:37	ASH	L678442
Methylene Chloride	<0.0034	mg/Kg - dry	0.0034	0.0124	1	04/25/23 21:37	ASH	L678442
Methyl tert-butyl ether (MTBE)	<0.0007	mg/Kg - dry	0.0007	0.0024	1	04/25/23 21:37	ASH	L678442
m,p-Xylene	<0.0017	mg/Kg - dry	0.0017	0.0049	1	04/25/23 21:37	ASH	L678442
Naphthalene	<0.0078	mg/Kg - dry	0.0078	0.0124	1	04/25/23 21:37	ASH	L678442
o-Xylene	<0.0009	mg/Kg - dry	0.0009	0.0024	1	04/25/23 21:37	ASH	L678442
n-Propyl acetate	<0.0084	mg/Kg - dry	0.0084	0.0124	1	04/25/23 21:37	ASH	L678442
n-Propylbenzene	<0.0007	mg/Kg - dry	0.0007	0.0024	1	04/25/23 21:37	ASH	L678442
Styrene	<0.0014	mg/Kg - dry	0.0014	0.0024	1	04/25/23 21:37	ASH	L678442
1,1,1,2-Tetrachloroethane	<0.0011	mg/Kg - dry	0.0011	0.0024	1	04/25/23 21:37	ASH	L678442
1,1,2,2-Tetrachloroethane	<0.0023	mg/Kg - dry	0.0023	0.0024	1	04/25/23 21:37	ASH	L678442
Tetrachloroethene	<0.0009	mg/Kg - dry	0.0009	0.0024	1	04/25/23 21:37	ASH	L678442
Toluene	<0.0040	mg/Kg - dry	0.0040	0.0049	1	04/25/23 21:37	ASH	L678442
1,2,3-Trichlorobenzene	<0.0024	mg/Kg - dry	0.0024	0.0024	1	04/25/23 21:37	ASH	L678442
1,2,4-Trichlorobenzene	<0.0014	mg/Kg - dry	0.0014	0.0024	1	04/25/23 21:37	ASH	L678442
1,1,1-Trichloroethane	<0.0004	mg/Kg - dry	0.0004	0.0024	1	04/25/23 21:37	ASH	L678442
1,1,2-Trichloroethane	<0.0012	mg/Kg - dry	0.0012	0.0024	1	04/25/23 21:37	ASH	L678442

Qualifiers/ Definitions
DF Dilution Factor
MQL Method Quantitation Limit
J Estimated value

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03180
Ensafe
Ms. Allison Harris
5724 Summer Tree Drive
Memphis , TN 38134

Project Legends Park
Information : 198 N. Pauline-Memphis, TN
Project No. 0888834617

Report Date : 04/27/2023
Received : 04/20/2023

Rebekah Ross
Project Manager

Report Number : **23-111-0040**

REPORT OF ANALYSIS

Lab No : **99838**
Sample ID : **LEGSSB46-03**

Matrix: **Solids**
Sampled: **4/20/2023 15:21**

Analytical Method: 8260B **Prep Batch(es):** **L678321** 04/25/23 09:47
Prep Method: 5035

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Batch
Trichloroethene	<0.0011	mg/Kg - dry	0.0011	0.0024	1	04/25/23 21:37	ASH	L678442
Trichlorofluoromethane	<0.0011	mg/Kg - dry	0.0011	0.0024	1	04/25/23 21:37	ASH	L678442
1,2,3-Trichloropropane	<0.0018	mg/Kg - dry	0.0018	0.0024	1	04/25/23 21:37	ASH	L678442
1,2,4-Trimethylbenzene	<0.0010	mg/Kg - dry	0.0010	0.0024	1	04/25/23 21:37	ASH	L678442
1,3,5-Trimethylbenzene	<0.0011	mg/Kg - dry	0.0011	0.0024	1	04/25/23 21:37	ASH	L678442
Vinyl Acetate	<0.0050	mg/Kg - dry	0.0050	0.0498	1	04/25/23 21:37	ASH	L678442
Vinyl Chloride	<0.0009	mg/Kg - dry	0.0009	0.0024	1	04/25/23 21:37	ASH	L678442
Xylene (Total)	<0.0009	mg/Kg - dry	0.0009	0.0024	1	04/25/23 21:37	KCC	L678442
Surrogate: 4-Bromofluorobenzene	95.7		Limits: 60-140%		1	04/25/23 21:37	ASH	L678442
Surrogate: 1,2-Dichloroethane - d4	113		Limits: 60-140%		1	04/25/23 21:37	ASH	L678442
Surrogate: Toluene-d8	90.2		Limits: 60-140%		1	04/25/23 21:37	ASH	L678442

Qualifiers/ Definitions
DF Dilution Factor
MQL Method Quantitation Limit
J Estimated value

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Quality Control Data

Client ID: Ensafe
Project Description: Legends Park
Report No: 23-111-0040

QC Prep: L677686
QC Prep Batch Method: 3050B
QC Analytical Batch(es): L678073,L678312
Analysis Method: 6010D
Analysis Description: Metals Analysis

Lab Reagent Blank LRB-L677686 Matrix: SOL
Associated Lab Samples: 99804, 99805, 99806, 99807, 99808, 99809

Parameter	Units	Blank Result	MDL	MQL	Analyzed
Arsenic	mg/Kg	<0.240	0.240	0.500	04/25/23 04:30
Barium	mg/Kg	<0.130	0.130	0.500	04/25/23 04:30
Cadmium	mg/Kg	<0.0200	0.0200	0.100	04/25/23 04:30
Chromium	mg/Kg	<0.236	0.236	0.250	04/25/23 04:30
Lead	mg/Kg	<0.180	0.180	0.300	04/25/23 04:30
Selenium	mg/Kg	<0.320	0.320	0.500	04/25/23 04:30
Silver	mg/Kg	<0.160	0.160	0.250	04/25/23 04:30

Laboratory Control Sample LCS-L677686

Parameter	Units	Spike Conc.	LCS Result	LCS %Rec	% Rec Limits
Arsenic	mg/Kg	5.00	5.24	105	80-120
Barium	mg/Kg	50.0	52.5	105	80-120
Cadmium	mg/Kg	5.00	5.30	106	80-120
Chromium	mg/Kg	50.0	54.2	108	80-120
Lead	mg/Kg	5.00	5.33	107	80-120
Selenium	mg/Kg	5.00	5.36	107	80-120
Silver	mg/Kg	5.00	5.47	109	80-120

Matrix Spike & Matrix Spike Duplicate L 99809-MS-L677686 L 99809-MSD-L677686

Parameter	Units	Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS %Rec	MSD %Rec	%Rec Limits	RPD	Max RPD
Arsenic	mg/Kg	8.28	4.83	4.88	11.1	11.1	58.0*	58.0*	75-125	0.0	20.0
Barium	mg/Kg	95.2	48.3	48.8	133	134	78.0	80.0	75-125	0.7	20.0
Cadmium	mg/Kg	0.455	4.83	4.88	4.70	4.81	88.0	89.0	75-125	2.3	20.0
Chromium	mg/Kg	13.1	48.3	48.8	56.5	58.1	90.0	92.0	75-125	2.7	20.0

* QC Fail

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Quality Control Data

Client ID: **Ensafe**
Project Description: **Legends Park**
Report No: **23-111-0040**

QC Prep: L677686
QC Prep Batch Method: 3050B
QC Analytical Batch(es): L678073,L678312
Analysis Method: 6010D
Analysis Description: Metals Analysis

Matrix Spike & Matrix Spike Duplicate L 99809-MS-L677686 L 99809-MSD-L677686

Parameter	Units	Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS %Rec	MSD %Rec	%Rec Limits	RPD	Max RPD
Lead	mg/Kg	37.0	4.83	4.88	34.0	31.9	0.0*	0.0*	75-125	6.3	20.0
Selenium	mg/Kg	< 1.60	4.83	4.88	4.64	5.39	96.0	110	75-125	14.9	20.0
Silver	mg/Kg	< 0.160	4.83	4.88	4.79	4.86	99.0	100	75-125	1.4	20.0

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Quality Control Data

Client ID: Ensafe
Project Description: Legends Park
Report No: 23-111-0040

QC Prep: L677687
QC Prep Batch Method: 3050B
QC Analytical Batch(es): L678311,L678607
Analysis Method: 6010D
Analysis Description: Metals Analysis

Lab Reagent Blank LRB-L677687 Matrix: SOL

Associated Lab Samples: 99810, 99811, 99812, 99813, 99814, 99815, 99816, 99817, 99818, 99819, 99820, 99821, 99822, 99823, 99824, 99825, 99826, 99827, 99828, 99829

Parameter	Units	Blank Result	MDL	MQL	Analyzed
Arsenic	mg/Kg	<0.240	0.240	0.500	04/26/23 03:01
Barium	mg/Kg	<0.130	0.130	0.500	04/26/23 03:01
Cadmium	mg/Kg	<0.0200	0.0200	0.100	04/26/23 03:01
Chromium	mg/Kg	<0.236	0.236	0.250	04/26/23 03:01
Lead	mg/Kg	<0.180	0.180	0.300	04/26/23 03:01
Selenium	mg/Kg	<0.320	0.320	0.500	04/26/23 03:01
Silver	mg/Kg	<0.160	0.160	0.250	04/26/23 03:01

Laboratory Control Sample LCS-L677687

Parameter	Units	Spike Conc.	LCS Result	LCS %Rec	% Rec Limits
Arsenic	mg/Kg	5.00	5.17	103	80-120
Barium	mg/Kg	50.0	51.4	103	80-120
Cadmium	mg/Kg	5.00	5.00	100	80-120
Chromium	mg/Kg	50.0	53.0	106	80-120
Lead	mg/Kg	5.00	5.16	103	80-120
Selenium	mg/Kg	5.00	5.03	101	80-120
Silver	mg/Kg	5.00	5.15	103	80-120

Matrix Spike & Matrix Spike Duplicate L 99829-MS-L677687 L 99829-MSD-L677687

Parameter	Units	Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS %Rec	MSD %Rec	%Rec Limits	RPD	Max RPD
Arsenic	mg/Kg	9.64	5.00	4.92	12.3	12.1	53.0*	50.0*	75-125	1.6	20.0
Barium	mg/Kg	90.9	50.0	49.2	141	144	100	108	75-125	2.1	20.0
Cadmium	mg/Kg	0.306	5.00	4.92	4.44	4.34	83.0	82.0	75-125	2.2	20.0
Chromium	mg/Kg	12.0	50.0	49.2	55.6	55.0	87.0	87.0	75-125	1.0	20.0

* QC Fail

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Quality Control Data

Client ID: **Ensafe**
Project Description: **Legends Park**
Report No: **23-111-0040**

QC Prep: L677687
QC Prep Batch Method: 3050B
QC Analytical Batch(es): L678311,L678607
Analysis Method: 6010D
Analysis Description: Metals Analysis

Matrix Spike & Matrix Spike Duplicate L 99829-MS-L677687 L 99829-MSD-L677687

Parameter	Units	Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS %Rec	MSD %Rec	%Rec Limits	RPD	Max RPD
Lead	mg/Kg	25.9	5.00	4.92	32.9	30.3	140*	89.0	75-125	8.2	20.0
Selenium	mg/Kg	0.384	5.00	4.92	3.88	3.75	70.0*	68.0*	75-125	3.4	20.0
Silver	mg/Kg	< 0.800	5.00	4.92	4.65	4.67	93.0	95.0	75-125	0.4	20.0

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Quality Control Data

Client ID: Ensafe
Project Description: Legends Park
Report No: 23-111-0040

QC Prep: L677738
QC Prep Batch Method: 3050B
QC Analytical Batch(es): L678074,L678311
Analysis Method: 6010D
Analysis Description: Metals Analysis

Lab Reagent Blank LRB-L677738 Matrix: SOL
Associated Lab Samples: 99830, 99831, 99832, 99833, 99834, 99835, 99836, 99837, 99838

Parameter	Units	Blank Result	MDL	MQL	Analyzed
Arsenic	mg/Kg	<0.240	0.240	0.500	04/24/23 22:46
Barium	mg/Kg	<0.130	0.130	0.500	04/24/23 22:46
Cadmium	mg/Kg	<0.0200	0.0200	0.100	04/24/23 22:46
Chromium	mg/Kg	<0.236	0.236	0.250	04/24/23 22:46
Lead	mg/Kg	<0.180	0.180	0.300	04/24/23 22:46
Selenium	mg/Kg	<0.320	0.320	0.500	04/24/23 22:46
Silver	mg/Kg	<0.160	0.160	0.250	04/24/23 22:46

Laboratory Control Sample LCS-L677738

Parameter	Units	Spike Conc.	LCS Result	LCS %Rec	% Rec Limits
Arsenic	mg/Kg	5.00	5.24	105	80-120
Barium	mg/Kg	50.0	53.1	106	80-120
Cadmium	mg/Kg	5.00	5.39	108	80-120
Chromium	mg/Kg	50.0	55.3	111	80-120
Lead	mg/Kg	5.00	5.45	109	80-120
Selenium	mg/Kg	5.00	5.33	107	80-120
Silver	mg/Kg	5.00	5.51	110	80-120

Matrix Spike & Matrix Spike Duplicate L 81364-MS-L677738 L 81364-MSD-L677738

Parameter	Units	Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS %Rec	MSD %Rec	%Rec Limits	RPD	Max RPD
Arsenic	mg/Kg	7.55	4.62	4.46	14.2	11.8	144*	95.0	75-125	18.4	20.0
Barium	mg/Kg	203	46.2	44.6	225	189	48.0*	0.0*	75-125	17.3	20.0
Cadmium	mg/Kg	0.239	4.62	4.46	4.39	4.12	90.0	87.0	75-125	6.3	20.0
Chromium	mg/Kg	17.6	46.2	44.6	63.8	58.0	100	91.0	75-125	9.5	20.0

* QC Fail

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Quality Control Data

Client ID: **Ensafe**
Project Description: **Legends Park**
Report No: **23-111-0040**

QC Prep: L677738
QC Prep Batch Method: 3050B
QC Analytical Batch(es): L678074,L678311
Analysis Method: 6010D
Analysis Description: Metals Analysis

Matrix Spike & Matrix Spike Duplicate L 81364-MS-L677738 L 81364-MSD-L677738

Parameter	Units	Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS %Rec	MSD %Rec	%Rec Limits	RPD	Max RPD
Lead	mg/Kg	30.1	4.62	4.46	38.6	33.0	184*	65.0*	75-125	15.6	20.0
Selenium	mg/Kg	1.74	4.62	4.46	6.05	5.53	93.0	85.0	75-125	8.9	20.0
Silver	mg/Kg	< 0.800	4.62	4.46	4.04	4.12	88.0	92.0	75-125	1.9	20.0

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Quality Control Data

Client ID: **Ensafe**
Project Description: **Legends Park**
Report No: **23-111-0040**

QC Prep: L678131
QC Prep Batch Method: 7471A
QC Analytical Batch(es): L678500
Analysis Method: 7471A
Analysis Description: Solids Total Mercury Analysis - CVAA

Lab Reagent Blank LRB-L678131 Matrix: SOL
Associated Lab Samples: 99804, 99805, 99806

Parameter	Units	Blank Result	MDL	MQL	Analyzed
Mercury	mg/Kg	<0.0232	0.0232	0.192	04/26/23 14:10

Laboratory Control Sample LCS-L678131

Parameter	Units	Spike Conc.	LCS Result	LCS %Rec	% Rec Limits
Mercury	mg/Kg	0.400	0.434	109	80-120

Matrix Spike & Matrix Spike Duplicate L 99806-MS-L678131 L 99806-MSD-L678131

Parameter	Units	Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS %Rec	MSD %Rec	%Rec Limits	RPD	Max RPD
Mercury	mg/Kg	0.0618	0.371	0.389	0.447	0.499	104	112	80-120	10.9	20.0

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Quality Control Data

Client ID: **Ensafe**
Project Description: **Legends Park**
Report No: **23-111-0040**

QC Prep: L678227
QC Prep Batch Method: 7471A
QC Analytical Batch(es): L678765
Analysis Method: 7471A
Analysis Description: Solids Total Mercury Analysis - CVAA

Lab Reagent Blank LRB-L678227 Matrix: SOL

Associated Lab Samples: 99807, 99808, 99809, 99810, 99811, 99812, 99813, 99814, 99815, 99816, 99817, 99818, 99819, 99820, 99821, 99822, 99823, 99824

Parameter	Units	Blank Result	MDL	MQL	Analyzed
Mercury	mg/Kg	<0.0232	0.0232	0.192	04/27/23 12:41

Laboratory Control Sample LCS-L678227

Parameter	Units	Spike Conc.	LCS Result	LCS %Rec	% Rec Limits
Mercury	mg/Kg	0.400	0.454	114	80-120

Matrix Spike & Matrix Spike Duplicate L 99824-MS-L678227 L 99824-MSD-L678227

Parameter	Units	Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS %Rec	MSD %Rec	%Rec Limits	RPD	Max RPD
Mercury	mg/Kg	0.0975	0.389	0.395	0.560	0.901	119	203*	80-120	46.6*	20.0

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Quality Control Data

Client ID: **Ensafe**
Project Description: **Legends Park**
Report No: **23-111-0040**

QC Prep: L678230
QC Prep Batch Method: 7471A
QC Analytical Batch(es): L678765
Analysis Method: 7471A
Analysis Description: Solids Total Mercury Analysis - CVAA

Lab Reagent Blank LRB-L678230 Matrix: SOL
Associated Lab Samples: 99825, 99826, 99827, 99828, 99829, 99830, 99831, 99832, 99833, 99834, 99835, 99836, 99837, 99838

Parameter	Units	Blank Result	MDL	MQL	Analyzed
Mercury	mg/Kg	<0.0232	0.0232	0.192	04/27/23 13:24

Laboratory Control Sample LCS-L678230

Parameter	Units	Spike Conc.	LCS Result	LCS %Rec	% Rec Limits
Mercury	mg/Kg	0.400	0.462	116	80-120

Matrix Spike & Matrix Spike Duplicate E 61845-MS-L678230 E 61845-MSD-L678230

Parameter	Units	Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS %Rec	MSD %Rec	%Rec Limits	RPD	Max RPD
Mercury	mg/Kg	0.0325	0.377	0.369	0.500	0.489	124*	124*	80-120	2.2	20.0

* QC Fail

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Quality Control Data

Client ID: Ensafe
Project Description: Legends Park
Report No: 23-111-0040

QC Prep: L677772
QC Prep Batch Method: 5030B
QC Analytical Batch(es): L677857
Analysis Method: 8260B
Analysis Description: Volatile Organic Compounds - GC/MS

Lab Reagent Blank LRB-L677772 Matrix: AQU
Associated Lab Samples: 99802, 99803

Parameter	Units	Blank Result	MDL	MQL	Analyzed	% Recovery	% Rec Limits
Acetone	µg/L	<10.7	10.7	20.0	04/23/23 10:54		
Acetonitrile	µg/L	<25.0	25.0	50.0	04/23/23 10:54		
Acrolein	µg/L	<4.81	4.81	20.0	04/23/23 10:54		
Acrylonitrile	µg/L	<2.97	2.97	20.0	04/23/23 10:54		
Benzene	µg/L	<0.660	0.660	1.00	04/23/23 10:54		
Bromobenzene	µg/L	<0.910	0.910	1.00	04/23/23 10:54		
Bromochloromethane	µg/L	<0.820	0.820	1.00	04/23/23 10:54		
Bromodichloromethane	µg/L	<0.920	0.920	1.00	04/23/23 10:54		
Bromoform	µg/L	<0.800	0.800	1.00	04/23/23 10:54		
Bromomethane	µg/L	<0.970	0.970	2.00	04/23/23 10:54		
Methyl Ethyl Ketone (MEK)	µg/L	<2.86	2.86	20.0	04/23/23 10:54		
n-Butylbenzene	µg/L	<0.920	0.920	1.00	04/23/23 10:54		
sec-Butyl benzene	µg/L	<0.840	0.840	1.00	04/23/23 10:54		
tert-Butyl benzene	µg/L	<0.950	0.950	1.00	04/23/23 10:54		
Carbon Disulfide	µg/L	<0.590	0.590	1.00	04/23/23 10:54		
Carbon Tetrachloride	µg/L	<0.580	0.580	1.00	04/23/23 10:54		
Chlorobenzene	µg/L	<0.920	0.920	1.00	04/23/23 10:54		
Chlorodibromomethane	µg/L	<0.790	0.790	1.00	04/23/23 10:54		
Chloroethane	µg/L	<0.720	0.720	1.00	04/23/23 10:54		
2-Chloroethylvinyl Ether	µg/L	<4.68	4.68	5.00	04/23/23 10:54		
Chloroform	µg/L	<0.630	0.630	1.00	04/23/23 10:54		
Chloromethane	µg/L	<0.830	0.830	1.00	04/23/23 10:54		
2-Chlorotoluene	µg/L	<0.750	0.750	1.00	04/23/23 10:54		
4-Chlorotoluene	µg/L	<0.860	0.860	1.00	04/23/23 10:54		
1,2-Dibromo-3-Chloropropane	µg/L	<0.790	0.790	2.00	04/23/23 10:54		
1,2-Dibromoethane	µg/L	<0.790	0.790	1.00	04/23/23 10:54		
Dibromomethane	µg/L	<0.890	0.890	1.00	04/23/23 10:54		

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Quality Control Data

Client ID: Ensafe
Project Description: Legends Park
Report No: 23-111-0040

QC Prep: L677772
QC Prep Batch Method: 5030B
QC Analytical Batch(es): L677857
Analysis Method: 8260B
Analysis Description: Volatile Organic Compounds - GC/MS

Lab Reagent Blank LRB-L677772 Matrix: AQU
Associated Lab Samples: 99802, 99803

Parameter	Units	Blank Result	MDL	MQL	Analyzed	% Recovery	% Rec Limits
1,2-Dichlorobenzene	µg/L	<0.850	0.850	1.00	04/23/23 10:54		
1,3-Dichlorobenzene	µg/L	<0.960	0.960	1.00	04/23/23 10:54		
1,4-Dichlorobenzene	µg/L	<0.890	0.890	1.00	04/23/23 10:54		
Dichlorodifluoromethane	µg/L	<0.850	0.850	1.00	04/23/23 10:54		
1,1-Dichloroethane	µg/L	<0.720	0.720	1.00	04/23/23 10:54		
1,2-Dichloroethane	µg/L	<0.870	0.870	1.00	04/23/23 10:54		
1,1-Dichloroethene	µg/L	<0.620	0.620	1.00	04/23/23 10:54		
cis-1,2-Dichloroethene	µg/L	<0.840	0.840	1.00	04/23/23 10:54		
trans-1,2-Dichloroethene	µg/L	<0.650	0.650	1.00	04/23/23 10:54		
1,2-Dichloropropane	µg/L	<0.940	0.940	1.00	04/23/23 10:54		
1,3-Dichloropropane	µg/L	<0.860	0.860	1.00	04/23/23 10:54		
2,2-Dichloropropane	µg/L	<0.620	0.620	1.00	04/23/23 10:54		
1,1-Dichloropropene	µg/L	<0.640	0.640	1.00	04/23/23 10:54		
cis-1,3-Dichloropropene	µg/L	<0.960	0.960	1.00	04/23/23 10:54		
trans-1,3-Dichloropropene	µg/L	<0.910	0.910	1.00	04/23/23 10:54		
Ethyl Acetate	µg/L	<3.02	3.02	10.0	04/23/23 10:54		
Ethylbenzene	µg/L	<0.870	0.870	1.00	04/23/23 10:54		
Hexachlorobutadiene	µg/L	<0.910	0.910	1.00	04/23/23 10:54		
2-Hexanone	µg/L	<3.14	3.14	5.00	04/23/23 10:54		
Iodomethane	µg/L	<2.59	2.59	5.00	04/23/23 10:54		
Isopropylbenzene	µg/L	<0.920	0.920	1.00	04/23/23 10:54		
4-Isopropyl toluene	µg/L	<0.950	0.950	1.00	04/23/23 10:54		
4-Methyl-2-Pentanone	µg/L	<3.05	3.05	5.00	04/23/23 10:54		
Methylene Chloride	µg/L	<1.98	1.98	5.00	04/23/23 10:54		
Methyl tert-butyl ether (MTBE)	µg/L	<0.820	0.820	1.00	04/23/23 10:54		
m,p-Xylene	µg/L	<1.74	1.74	2.00	04/23/23 10:54		
Naphthalene	µg/L	<3.72	3.72	5.00	04/23/23 10:54		

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Quality Control Data

Client ID: Ensafe
Project Description: Legends Park
Report No: 23-111-0040

QC Prep: L677772
QC Prep Batch Method: 5030B
QC Analytical Batch(es): L677857
Analysis Method: 8260B
Analysis Description: Volatile Organic Compounds - GC/MS

Lab Reagent Blank LRB-L677772 Matrix: AQU
Associated Lab Samples: 99802, 99803

Parameter	Units	Blank Result	MDL	MQL	Analyzed	% Recovery	% Rec Limits
o-Xylene	µg/L	<0.890	0.890	1.00	04/23/23 10:54		
n-Propylbenzene	µg/L	<0.980	0.980	1.00	04/23/23 10:54		
Styrene	µg/L	<0.890	0.890	1.00	04/23/23 10:54		
1,1,1,2-Tetrachloroethane	µg/L	<0.840	0.840	1.00	04/23/23 10:54		
1,1,2,2-Tetrachloroethane	µg/L	<0.460	0.460	1.00	04/23/23 10:54		
Tetrachloroethene	µg/L	<0.580	0.580	1.00	04/23/23 10:54		
Toluene	µg/L	<0.720	0.720	2.00	04/23/23 10:54		
1,2,3-Trichlorobenzene	µg/L	<1.93	1.93	2.00	04/23/23 10:54		
1,2,4-Trichlorobenzene	µg/L	<1.59	1.59	2.00	04/23/23 10:54		
1,1,1-Trichloroethane	µg/L	<0.600	0.600	1.00	04/23/23 10:54		
1,1,2-Trichloroethane	µg/L	<0.880	0.880	1.00	04/23/23 10:54		
Trichloroethene	µg/L	<0.790	0.790	1.00	04/23/23 10:54		
Trichlorofluoromethane	µg/L	<0.510	0.510	1.00	04/23/23 10:54		
1,2,3-Trichloropropane	µg/L	<0.790	0.790	1.00	04/23/23 10:54		
1,2,4-Trimethylbenzene	µg/L	<1.00	1.00	1.00	04/23/23 10:54		
1,3,5-Trimethylbenzene	µg/L	<1.00	1.00	1.00	04/23/23 10:54		
Vinyl Acetate	µg/L	<3.11	3.11	10.0	04/23/23 10:54		
Vinyl Chloride	µg/L	<0.710	0.710	1.00	04/23/23 10:54		
4-Bromofluorobenzene (S)					04/23/23 10:54	97.8	71-137
Dibromofluoromethane (S)					04/23/23 10:54	105	70-128
1,2-Dichloroethane - d4 (S)					04/23/23 10:54	142	63-136
Toluene-d8 (S)					04/23/23 10:54	89.4	70-130

Laboratory Control Sample LCS-L677772

Parameter	Units	Spike Conc.	LCS Result	LCS %Rec	% Rec Limits
Acetone	µg/L	100	113	113	40-160

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Project Description: Legends Park
Report No: 23-111-0040

QC Prep: L677772
QC Prep Batch Method: 5030B
QC Analytical Batch(es): L677857
Analysis Method: 8260B
Analysis Description: Volatile Organic Compounds - GC/MS

Laboratory Control Sample LCS-L677772

Parameter	Units	Spike Conc.	LCS Result	LCS %Rec	% Rec Limits
Acetonitrile	µg/L	1000	854	85.4	40-160
Acrolein	µg/L	100	137	137	40-160
Acrylonitrile	µg/L	100	105	105	40-160
Benzene	µg/L	100	95.3	95.3	70-130
Bromobenzene	µg/L	100	92.2	92.2	75-125
Bromochloromethane	µg/L	100	93.7	93.7	65-135
Bromodichloromethane	µg/L	100	81.8	81.8	75-125
Bromoform	µg/L	100	85.4	85.4	70-130
Bromomethane	µg/L	100	84.2	84.2	40-160
Methyl Ethyl Ketone (MEK)	µg/L	100	91.6	91.6	40-160
n-Butylbenzene	µg/L	100	93.7	93.7	70-130
sec-Butyl benzene	µg/L	100	88.0	88.0	70-130
tert-Butyl benzene	µg/L	100	91.6	91.6	70-130
Carbon Disulfide	µg/L	100	82.6	82.6	40-160
Carbon Tetrachloride	µg/L	100	102	102	65-135
Chlorobenzene	µg/L	100	90.3	90.3	80-120
Chlorodibromomethane	µg/L	100	72.9	72.9	60-140
Chloroethane	µg/L	100	88.2	88.2	60-140
2-Chloroethylvinyl Ether	µg/L	100	90.5	90.5	40-160
Chloroform	µg/L	100	95.3	95.3	80-120
Chloromethane	µg/L	100	73.9	73.9	40-160
2-Chlorotoluene	µg/L	100	84.4	84.4	75-125
4-Chlorotoluene	µg/L	100	88.3	88.3	75-125
1,2-Dibromo-3-Chloropropane	µg/L	100	106	106	50-150
1,2-Dibromoethane	µg/L	100	79.6	79.6	70-130
Dibromomethane	µg/L	100	81.2	81.2	75-125
1,2-Dichlorobenzene	µg/L	100	95.0	95.0	70-130

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QC Prep: L677772
QC Prep Batch Method: 5030B
QC Analytical Batch(es): L677857
Analysis Method: 8260B
Analysis Description: Volatile Organic Compounds - GC/MS

Laboratory Control Sample LCS-L677772

Parameter	Units	Spike Conc.	LCS Result	LCS %Rec	% Rec Limits
1,3-Dichlorobenzene	µg/L	100	81.1	81.1	75-125
1,4-Dichlorobenzene	µg/L	100	86.1	86.1	75-125
Dichlorodifluoromethane	µg/L	100	58.5	58.5	40-160
1,1-Dichloroethane	µg/L	100	108	108	70-130
1,2-Dichloroethane	µg/L	100	94.9	94.9	70-130
1,1-Dichloroethene	µg/L	100	92.5	92.5	80-120
cis-1,2-Dichloroethene	µg/L	100	120	120	70-130
trans-1,2-Dichloroethene	µg/L	100	91.3	91.3	60-140
1,2-Dichloropropane	µg/L	100	82.7	82.7	80-120
1,3-Dichloropropane	µg/L	100	91.5	91.5	75-125
2,2-Dichloropropane	µg/L	100	103	103	70-130
1,1-Dichloropropene	µg/L	100	87.2	87.2	75-125
cis-1,3-Dichloropropene	µg/L	100	80.0	80.0	70-130
trans-1,3-Dichloropropene	µg/L	100	88.3	88.3	55-145
Ethyl Acetate	µg/L	100	71.2	71.2	40-160
Ethylbenzene	µg/L	100	92.1	92.1	80-120
Hexachlorobutadiene	µg/L	100	127	127	50-150
2-Hexanone	µg/L	100	87.0	87.0	55-145
Iodomethane	µg/L	100	63.7	63.7	40-160
Isopropylbenzene	µg/L	100	86.5	86.5	75-125
4-Isopropyl toluene	µg/L	100	87.0	87.0	75-125
4-Methyl-2-Pentanone	µg/L	100	89.9	89.9	60-140
Methylene Chloride	µg/L	100	86.8	86.8	55-145
Methyl tert-butyl ether (MTBE)	µg/L	100	93.6	93.6	65-135
m,p-Xylene	µg/L	200	179	89.5	75-125
Naphthalene	µg/L	100	93.4	93.4	55-145
o-Xylene	µg/L	100	86.2	86.2	70-130

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QC Prep: L677772
QC Prep Batch Method: 5030B
QC Analytical Batch(es): L677857
Analysis Method: 8260B
Analysis Description: Volatile Organic Compounds - GC/MS

Laboratory Control Sample LCS-L677772

Parameter	Units	Spike Conc.	LCS Result	LCS %Rec	% Rec Limits
n-Propylbenzene	µg/L	100	83.5	83.5	70-130
Styrene	µg/L	100	83.4	83.4	65-135
1,1,1,2-Tetrachloroethane	µg/L	100	87.0	87.0	70-130
1,1,2,2-Tetrachloroethane	µg/L	100	88.4	88.4	65-135
Tetrachloroethene	µg/L	100	86.6	86.6	45-155
Toluene	µg/L	100	88.7	88.7	80-120
1,2,3-Trichlorobenzene	µg/L	100	97.7	97.7	60-140
1,2,4-Trichlorobenzene	µg/L	100	118	118	65-135
1,1,1-Trichloroethane	µg/L	100	97.0	97.0	65-135
1,1,2-Trichloroethane	µg/L	100	83.6	83.6	75-125
Trichloroethene	µg/L	100	94.3	94.3	70-130
Trichlorofluoromethane	µg/L	100	94.6	94.6	40-140
1,2,3-Trichloropropane	µg/L	100	117	117	75-125
1,2,4-Trimethylbenzene	µg/L	100	88.1	88.1	65-135
1,3,5-Trimethylbenzene	µg/L	100	82.5	82.5	75-125
Vinyl Acetate	µg/L	100	99.9	99.9	40-160
Vinyl Chloride	µg/L	100	86.4	86.4	80-120
4-Bromofluorobenzene (S)				82.8	71-137
Dibromofluoromethane (S)				103	70-128
1,2-Dichloroethane - d4 (S)				104	63-136
Toluene-d8 (S)				97.2	70-130

Matrix Spike & Matrix Spike Duplicate L 98539-MS-L677772 L 98539-MSD-L677772

Parameter	Units	Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS %Rec	MSD %Rec	%Rec Limits	RPD	Max RPD
Acetone	µg/L	<10.7	100	100	93.4	89.9	93.4	89.9	27-180	3.8	30

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QC Prep: L677772
QC Prep Batch Method: 5030B
QC Analytical Batch(es): L677857
Analysis Method: 8260B
Analysis Description: Volatile Organic Compounds - GC/MS

Matrix Spike & Matrix Spike Duplicate L 98539-MS-L677772 L 98539-MSD-L677772

Parameter	Units	Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS %Rec	MSD %Rec	%Rec Limits	RPD	Max RPD
Acetonitrile	µg/L	<25.0	1000	1000	823	778	82.3	77.8	56-127	5.6	30
Acrolein	µg/L	<4.81	100	100	240	237	240*	237*	10-147	1.2	30
Acrylonitrile	µg/L	<2.97	100	100	170	167	170	167	34-174	1.7	30
Benzene	µg/L	<0.660	100	100	88.0	94.2	88.0	94.2	58-143	6.8	30
Bromobenzene	µg/L	<0.910	100	100	133	117	133	117	55-149	12.8	30
Bromochloromethane	µg/L	<0.820	100	100	84.2	90.0	84.2	90.0	65-152	6.6	30
Bromodichloromethane	µg/L	<0.920	100	100	96.1	93.1	96.1	93.1	75-135	3.1	30
Bromoform	µg/L	<0.800	100	100	89.7	104	89.7	104	61-137	14.7	30
Bromomethane	µg/L	<0.970	100	100	76.3	80.2	76.3	80.2	37-185	4.9	30
Methyl Ethyl Ketone (MEK)	µg/L	<2.86	100	100	98.5	83.6	98.5	83.6	49-168	16.3	30
n-Butylbenzene	µg/L	<0.920	100	100	89.9	102	89.9	102	67-149	12.6	30
sec-Butyl benzene	µg/L	<0.840	100	100	91.0	95.6	91.0	95.6	72-139	4.9	30
tert-Butyl benzene	µg/L	<0.950	100	100	94.1	112	94.1	112	71-143	17.3	30
Carbon Disulfide	µg/L	<0.590	100	100	74.1	66.7	74.1	66.7	39-138	10.5	30
Carbon Tetrachloride	µg/L	<0.580	100	100	100	106	100	106	62-141	5.8	30
Chlorobenzene	µg/L	<0.920	100	100	93.8	96.4	93.8	96.4	67-143	2.7	30
Chlorodibromomethane	µg/L	<0.790	100	100	87.4	84.2	87.4	84.2	66-146	3.7	30
Chloroethane	µg/L	<0.720	100	100	87.1	99.6	87.1	99.6	24-167	13.3	30
2-Chloroethylvinyl Ether	µg/L	<4.68	100	100	<4.68	<4.68	0.0*	0.0*	1-167	0.0	30
Chloroform	µg/L	<0.630	100	100	84.7	90.1	84.7	90.1	69-137	6.1	30
Chloromethane	µg/L	<0.830	100	100	74.1	78.2	74.1	78.2	35-154	5.3	30
2-Chlorotoluene	µg/L	<0.750	100	100	92.6	94.6	92.6	94.6	76-134	2.1	30
4-Chlorotoluene	µg/L	<0.860	100	100	93.1	96.5	93.1	96.5	73-138	3.5	30
1,2-Dibromo-3-Chloropropane	µg/L	<0.790	100	100	105	111	105	111	48-149	5.5	30
1,2-Dibromoethane	µg/L	<0.790	100	100	95.5	93.2	95.5	93.2	63-150	2.4	30
Dibromomethane	µg/L	<0.890	100	100	93.0	93.9	93.0	93.9	52-160	0.9	30

* QC Fail

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Quality Control Data

Client ID: Ensafe
Project Description: Legends Park
Report No: 23-111-0040

QC Prep: L677772
QC Prep Batch Method: 5030B
QC Analytical Batch(es): L677857
Analysis Method: 8260B
Analysis Description: Volatile Organic Compounds - GC/MS

Matrix Spike & Matrix Spike Duplicate L 98539-MS-L677772 L 98539-MSD-L677772

Parameter	Units	Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS %Rec	MSD %Rec	%Rec Limits	RPD	Max RPD
1,2-Dichlorobenzene	µg/L	<0.850	100	100	105	108	105	108	66-141	2.8	30
1,3-Dichlorobenzene	µg/L	<0.960	100	100	76.6	101	76.6	101	61-145	27.4	30
1,4-Dichlorobenzene	µg/L	<0.890	100	100	93.1	88.6	93.1	88.6	63-145	4.9	30
Dichlorodifluoromethane	µg/L	<0.850	100	100	74.9	80.9	74.9	80.9	17-145	7.7	30
1,1-Dichloroethane	µg/L	<0.720	100	100	95.9	86.8	95.9	86.8	66-137	9.9	30
1,2-Dichloroethane	µg/L	<0.870	100	100	94.8	94.0	94.8	94.0	69-139	0.8	30
1,1-Dichloroethene	µg/L	<0.620	100	100	77.2	81.2	77.2	81.2	50-134	5.0	30
cis-1,2-Dichloroethene	µg/L	<0.840	100	100	124	111	124	111	62-153	11.0	30
trans-1,2-Dichloroethene	µg/L	<0.650	100	100	75.0	83.8	75.0	83.8	61-137	11.0	30
1,2-Dichloropropane	µg/L	<0.940	100	100	92.3	93.3	92.3	93.3	70-145	1.0	30
1,3-Dichloropropane	µg/L	<0.860	100	100	107	100	107	100	62-146	6.7	30
2,2-Dichloropropane	µg/L	<0.620	100	100	104	93.4	104	93.4	64-141	10.7	30
1,1-Dichloropropene	µg/L	<0.640	100	100	79.1	83.5	79.1	83.5	61-143	5.4	30
cis-1,3-Dichloropropene	µg/L	<0.960	100	100	104	93.9	104	93.9	79-138	10.2	30
trans-1,3-Dichloropropene	µg/L	<0.910	100	100	95.9	90.1	95.9	90.1	77-140	6.2	30
Ethyl Acetate	µg/L	<3.02	100	100	67.2	57.4	67.2	57.4	3-122	15.7	30
Ethylbenzene	µg/L	<0.870	100	100	95.8	101	95.8	101	65-141	5.2	30
Hexachlorobutadiene	µg/L	<0.910	100	100	112	127	112	127	58-145	12.5	30
2-Hexanone	µg/L	<3.14	100	100	101	93.9	101	93.9	53-166	7.2	30
Iodomethane	µg/L	<2.59	100	100	55.2	51.0	55.2	51.0	28-145	7.9	30
Isopropylbenzene	µg/L	<0.920	100	100	91.0	102	91.0	102	74-137	11.3	30
4-Isopropyl toluene	µg/L	<0.950	100	100	88.5	87.7	88.5	87.7	74-138	0.9	30
4-Methyl-2-Pentanone	µg/L	<3.05	100	100	107	102	107	102	58-156	4.7	30
Methylene Chloride	µg/L	<1.98	100	100	85.4	79.1	85.4	79.1	56-116	7.6	30
Methyl tert-butyl ether (MTBE)	µg/L	<0.820	100	100	79.2	88.4	79.2	88.4	62-143	10.9	30
m,p-Xylene	µg/L	<1.74	200	200	176	205	88.0	103	61-149	15.2	30

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Project Description: Legends Park
Report No: 23-111-0040

QC Prep: L677772
QC Prep Batch Method: 5030B
QC Analytical Batch(es): L677857
Analysis Method: 8260B
Analysis Description: Volatile Organic Compounds - GC/MS

Matrix Spike & Matrix Spike Duplicate L 98539-MS-L677772 L 98539-MSD-L677772

Parameter	Units	Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS %Rec	MSD %Rec	%Rec Limits	RPD	Max RPD
Naphthalene	µg/L	<3.72	100	100	84.2	101	84.2	101	51-153	18.1	30
o-Xylene	µg/L	<0.890	100	100	87.0	101	87.0	101	65-142	14.8	30
n-Propylbenzene	µg/L	<0.980	100	100	93.3	96.8	93.3	96.8	75-139	3.6	30
Styrene	µg/L	<0.890	100	100	88.1	104	88.1	104	59-153	16.5	30
1,1,1,2-Tetrachloroethane	µg/L	<0.840	100	100	88.4	91.7	88.4	91.7	68-144	3.6	30
1,1,2,2-Tetrachloroethane	µg/L	<0.460	100	100	100	113	100	113	62-148	12.2	30
Tetrachloroethene	µg/L	<0.580	100	100	102	104	102	104	51-161	1.9	30
Toluene	µg/L	<0.720	100	100	101	106	101	106	64-145	4.8	30
1,2,3-Trichlorobenzene	µg/L	<1.93	100	100	93.8	105	93.8	105	64-141	11.2	30
1,2,4-Trichlorobenzene	µg/L	<1.59	100	100	99.3	114	99.3	114	64-139	13.7	30
1,1,1-Trichloroethane	µg/L	<0.600	100	100	95.3	93.7	95.3	93.7	67-136	1.6	30
1,1,2-Trichloroethane	µg/L	<0.880	100	100	102	92.8	102	92.8	62-158	9.4	30
Trichloroethene	µg/L	<0.790	100	100	106	107	106	107	56-146	0.9	30
Trichlorofluoromethane	µg/L	<0.510	100	100	87.5	94.8	87.5	94.8	59-151	8.0	30
1,2,3-Trichloropropane	µg/L	<0.790	100	100	83.7	81.0	83.7	81.0	57-148	3.2	30
1,2,4-Trimethylbenzene	µg/L	<1.00	100	100	88.1	88.5	88.1	88.5	55-149	0.4	30
1,3,5-Trimethylbenzene	µg/L	<1.00	100	100	96.3	92.2	96.3	92.2	57-150	4.3	30
Vinyl Acetate	µg/L	<3.11	100	100	143	140	143	140	43-172	2.1	30
Vinyl Chloride	µg/L	<0.710	100	100	83.7	91.3	83.7	91.3	50-152	8.6	30
4-Bromofluorobenzene (S)							84.2	94.8	71-137		
Dibromofluoromethane (S)							101	99.4	70-128		
1,2-Dichloroethane - d4 (S)							85.0	93.4	63-136		
Toluene-d8 (S)							111	111	70-130		

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Quality Control Data

Client ID: **Ensafe**
Project Description: **Legends Park**
Report No: **23-111-0040**

QC Prep: L677746
QC Prep Batch Method: 5035
QC Analytical Batch(es): L677815
Analysis Method: 8260B
Analysis Description: Volatile Organic Compounds - GC/MS

Lab Reagent Blank LRB-L677746 Matrix: SOL
Associated Lab Samples: 99804, 99805, 99806, 99807

Parameter	Units	Blank Result	MDL	MQL	Analyzed	% Recovery	% Rec Limits
Acetone	mg/Kg	<0.0043	0.0043	0.0400	04/23/23 11:45		
Acetonitrile	mg/Kg	<0.0522	0.0522	0.200	04/23/23 11:45		
Acrolein	mg/Kg	<0.0082	0.0082	0.0400	04/23/23 11:45		
Acrylonitrile	mg/Kg	<0.0037	0.0037	0.0400	04/23/23 11:45		
Benzene	mg/Kg	<0.0003	0.0003	0.0020	04/23/23 11:45		
Bromobenzene	mg/Kg	<0.0007	0.0007	0.0020	04/23/23 11:45		
Bromochloromethane	mg/Kg	<0.0004	0.0004	0.0020	04/23/23 11:45		
Bromodichloromethane	mg/Kg	<0.0007	0.0007	0.0020	04/23/23 11:45		
Bromoform	mg/Kg	<0.0013	0.0013	0.0020	04/23/23 11:45		
Bromomethane	mg/Kg	<0.0016	0.0016	0.0020	04/23/23 11:45		
Methyl Ethyl Ketone (MEK)	mg/Kg	<0.0038	0.0038	0.0400	04/23/23 11:45		
n-Butylbenzene	mg/Kg	<0.0009	0.0009	0.0020	04/23/23 11:45		
sec-Butyl benzene	mg/Kg	<0.0009	0.0009	0.0020	04/23/23 11:45		
tert-Butyl benzene	mg/Kg	<0.0007	0.0007	0.0020	04/23/23 11:45		
Carbon Disulfide	mg/Kg	<0.0028	0.0028	0.0100	04/23/23 11:45		
Carbon Tetrachloride	mg/Kg	<0.0004	0.0004	0.0020	04/23/23 11:45		
Chlorobenzene	mg/Kg	<0.0007	0.0007	0.0020	04/23/23 11:45		
Chlorodibromomethane	mg/Kg	<0.0010	0.0010	0.0020	04/23/23 11:45		
Chloroethane	mg/Kg	<0.0008	0.0008	0.0020	04/23/23 11:45		
Chloroform	mg/Kg	<0.0005	0.0005	0.0020	04/23/23 11:45		
Chloromethane	mg/Kg	<0.0007	0.0007	0.0020	04/23/23 11:45		
2-Chlorotoluene	mg/Kg	<0.0009	0.0009	0.0020	04/23/23 11:45		
4-Chlorotoluene	mg/Kg	<0.0010	0.0010	0.0020	04/23/23 11:45		
1,2-Dibromo-3-Chloropropane	mg/Kg	<0.0065	0.0065	0.0100	04/23/23 11:45		
1,2-Dibromoethane	mg/Kg	<0.0009	0.0009	0.0020	04/23/23 11:45		
Dibromomethane	mg/Kg	<0.0006	0.0006	0.0020	04/23/23 11:45		
1,2-Dichlorobenzene	mg/Kg	<0.0014	0.0014	0.0020	04/23/23 11:45		

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Quality Control Data

Client ID: Ensafe
Project Description: Legends Park
Report No: 23-111-0040

QC Prep: L677746
QC Prep Batch Method: 5035
QC Analytical Batch(es): L677815
Analysis Method: 8260B
Analysis Description: Volatile Organic Compounds - GC/MS

Lab Reagent Blank LRB-L677746 Matrix: SOL
Associated Lab Samples: 99804, 99805, 99806, 99807

Parameter	Units	Blank Result	MDL	MQL	Analyzed	% Recovery	% Rec Limits
1,3-Dichlorobenzene	mg/Kg	<0.0013	0.0013	0.0020	04/23/23 11:45		
1,4-Dichlorobenzene	mg/Kg	<0.0015	0.0015	0.0020	04/23/23 11:45		
Dichlorodifluoromethane	mg/Kg	<0.0018	0.0018	0.0020	04/23/23 11:45		
1,1-Dichloroethane	mg/Kg	<0.0003	0.0003	0.0020	04/23/23 11:45		
1,2-Dichloroethane	mg/Kg	<0.0004	0.0004	0.0020	04/23/23 11:45		
1,1-Dichloroethene	mg/Kg	<0.0005	0.0005	0.0020	04/23/23 11:45		
cis-1,2-Dichloroethene	mg/Kg	<0.0005	0.0005	0.0020	04/23/23 11:45		
trans-1,2-Dichloroethene	mg/Kg	<0.0002	0.0002	0.0020	04/23/23 11:45		
1,2-Dichloropropane	mg/Kg	<0.0006	0.0006	0.0020	04/23/23 11:45		
1,3-Dichloropropane	mg/Kg	<0.0009	0.0009	0.0020	04/23/23 11:45		
2,2-Dichloropropane	mg/Kg	<0.0005	0.0005	0.0020	04/23/23 11:45		
1,1-Dichloropropene	mg/Kg	<0.0003	0.0003	0.0020	04/23/23 11:45		
cis-1,3-Dichloropropene	mg/Kg	<0.0007	0.0007	0.0020	04/23/23 11:45		
trans-1,3-Dichloropropene	mg/Kg	<0.0007	0.0007	0.0020	04/23/23 11:45		
Ethyl Acetate	mg/Kg	<0.0060	0.0060	0.0400	04/23/23 11:45		
Ethylbenzene	mg/Kg	<0.0006	0.0006	0.0020	04/23/23 11:45		
Hexachlorobutadiene	mg/Kg	<0.0009	0.0009	0.0020	04/23/23 11:45		
2-Hexanone	mg/Kg	<0.0060	0.0060	0.0100	04/23/23 11:45		
Iodomethane	mg/Kg	<0.0045	0.0045	0.0100	04/23/23 11:45		
Isopropylbenzene	mg/Kg	<0.0007	0.0007	0.0020	04/23/23 11:45		
4-Isopropyl toluene	mg/Kg	<0.0009	0.0009	0.0020	04/23/23 11:45		
4-Methyl-2-Pentanone	mg/Kg	<0.0058	0.0058	0.0100	04/23/23 11:45		
Methylene Chloride	mg/Kg	<0.0027	0.0027	0.0100	04/23/23 11:45		
Methyl tert-butyl ether (MTBE)	mg/Kg	<0.0006	0.0006	0.0020	04/23/23 11:45		
m,p-Xylene	mg/Kg	<0.0014	0.0014	0.0040	04/23/23 11:45		
Naphthalene	mg/Kg	<0.0063	0.0063	0.0100	04/23/23 11:45		
o-Xylene	mg/Kg	<0.0007	0.0007	0.0020	04/23/23 11:45		

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Quality Control Data

Client ID: Ensafe
Project Description: Legends Park
Report No: 23-111-0040

QC Prep: L677746
QC Prep Batch Method: 5035
QC Analytical Batch(es): L677815
Analysis Method: 8260B
Analysis Description: Volatile Organic Compounds - GC/MS

Lab Reagent Blank LRB-L677746 Matrix: SOL
Associated Lab Samples: 99804, 99805, 99806, 99807

Parameter	Units	Blank Result	MDL	MQL	Analyzed	% Recovery	% Rec Limits
n-Propyl acetate	mg/Kg	<0.0067	0.0067	0.0100	04/23/23 11:45		
n-Propylbenzene	mg/Kg	<0.0006	0.0006	0.0020	04/23/23 11:45		
Styrene	mg/Kg	<0.0011	0.0011	0.0020	04/23/23 11:45		
1,1,1,2-Tetrachloroethane	mg/Kg	<0.0008	0.0008	0.0020	04/23/23 11:45		
1,1,2,2-Tetrachloroethane	mg/Kg	<0.0018	0.0018	0.0020	04/23/23 11:45		
Tetrachloroethene	mg/Kg	<0.0007	0.0007	0.0020	04/23/23 11:45		
Toluene	mg/Kg	<0.0032	0.0032	0.0040	04/23/23 11:45		
1,2,3-Trichlorobenzene	mg/Kg	<0.0020	0.0020	0.0020	04/23/23 11:45		
1,2,4-Trichlorobenzene	mg/Kg	<0.0011	0.0011	0.0020	04/23/23 11:45		
1,1,1-Trichloroethane	mg/Kg	<0.0003	0.0003	0.0020	04/23/23 11:45		
1,1,2-Trichloroethane	mg/Kg	<0.0010	0.0010	0.0020	04/23/23 11:45		
Trichloroethene	mg/Kg	<0.0009	0.0009	0.0020	04/23/23 11:45		
Trichlorofluoromethane	mg/Kg	<0.0008	0.0008	0.0020	04/23/23 11:45		
1,2,3-Trichloropropane	mg/Kg	<0.0015	0.0015	0.0020	04/23/23 11:45		
1,2,4-Trimethylbenzene	mg/Kg	<0.0008	0.0008	0.0020	04/23/23 11:45		
1,3,5-Trimethylbenzene	mg/Kg	<0.0009	0.0009	0.0020	04/23/23 11:45		
Vinyl Acetate	mg/Kg	<0.0040	0.0040	0.0400	04/23/23 11:45		
Vinyl Chloride	mg/Kg	<0.0007	0.0007	0.0020	04/23/23 11:45		
4-Bromofluorobenzene (S)					04/23/23 11:45	91.9	60-140
1,2-Dichloroethane - d4 (S)					04/23/23 11:45	112	60-140
Toluene-d8 (S)					04/23/23 11:45	89.0	60-140

Laboratory Control Sample & LCSD LCS-L677746 LCSD-L677746

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS %Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD
Acetone	mg/Kg	0.100	0.113	0.122	113	122	60-160	7.6	20

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Quality Control Data

Client ID: Ensafe
Project Description: Legends Park
Report No: 23-111-0040

QC Prep: L677746
QC Prep Batch Method: 5035
QC Analytical Batch(es): L677815
Analysis Method: 8260B
Analysis Description: Volatile Organic Compounds - GC/MS

Laboratory Control Sample & LCSD LCS-L677746 LCSD-L677746

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS %Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD
Acetonitrile	mg/Kg	1.00	1.05	1.22	105	122	40-140	14.9	20
Acrolein	mg/Kg	0.100	0.103	0.121	103	121	40-160	16.0	20
Acrylonitrile	mg/Kg	0.100	0.134	0.165	134	165*	50-150	20.7*	20
Benzene	mg/Kg	0.100	0.103	0.0923	103	92.3	60-140	10.9	20
Bromobenzene	mg/Kg	0.100	0.102	0.119	102	119	60-140	15.3	20
Bromochloromethane	mg/Kg	0.100	0.115	0.116	115	116	60-140	0.8	20
Bromodichloromethane	mg/Kg	0.100	0.104	0.0946	104	94.6	60-140	9.4	20
Bromoform	mg/Kg	0.100	0.0737	0.0754	73.7	75.4	60-140	2.2	20
Bromomethane	mg/Kg	0.100	0.118	0.116	118	116	40-160	1.7	20
Methyl Ethyl Ketone (MEK)	mg/Kg	0.100	0.109	0.129	109	129	40-160	16.8	20
n-Butylbenzene	mg/Kg	0.100	0.0993	0.0612	99.3	61.2	60-140	47.4*	20
sec-Butyl benzene	mg/Kg	0.100	0.103	0.0767	103	76.7	60-140	29.2*	20
tert-Butyl benzene	mg/Kg	0.100	0.0965	0.0711	96.5	71.1	60-140	30.3*	20
Carbon Disulfide	mg/Kg	0.100	0.0599	0.0907	59.9	90.7	40-140	40.9*	20
Carbon Tetrachloride	mg/Kg	0.100	0.0984	0.0812	98.4	81.2	60-140	19.1	20
Chlorobenzene	mg/Kg	0.100	0.0934	0.0830	93.4	83.0	60-140	11.7	20
Chlorodibromomethane	mg/Kg	0.100	0.0918	0.0887	91.8	88.7	60-140	3.4	20
Chloroethane	mg/Kg	0.100	0.103	0.115	103	115	40-160	11.0	20
Chloroform	mg/Kg	0.100	0.103	0.0917	103	91.7	60-140	11.6	20
Chloromethane	mg/Kg	0.100	0.0695	0.0657	69.5	65.7	50-150	5.6	20
2-Chlorotoluene	mg/Kg	0.100	0.103	0.0818	103	81.8	60-140	22.9*	20
4-Chlorotoluene	mg/Kg	0.100	0.101	0.0852	101	85.2	60-140	16.9	20
1,2-Dibromo-3-Chloropropane	mg/Kg	0.100	0.0854	0.0925	85.4	92.5	50-150	7.9	20
1,2-Dibromoethane	mg/Kg	0.100	0.0964	0.107	96.4	107	60-140	10.4	20
Dibromomethane	mg/Kg	0.100	0.101	0.105	101	105	60-140	3.8	20
1,2-Dichlorobenzene	mg/Kg	0.100	0.0867	0.0677	86.7	67.7	60-140	24.6*	20

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Quality Control Data

Client ID: Ensafe
Project Description: Legends Park
Report No: 23-111-0040

QC Prep: L677746
QC Prep Batch Method: 5035
QC Analytical Batch(es): L677815
Analysis Method: 8260B
Analysis Description: Volatile Organic Compounds - GC/MS

Laboratory Control Sample & LCSD LCS-L677746 LCSD-L677746

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS %Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD
1,3-Dichlorobenzene	mg/Kg	0.100	0.0997	0.0804	99.7	80.4	60-140	21.4*	20
1,4-Dichlorobenzene	mg/Kg	0.100	0.0914	0.0681	91.4	68.1	60-140	29.2*	20
Dichlorodifluoromethane	mg/Kg	0.100	0.0553	0.0508	55.3	50.8	40-140	8.4	20
1,1-Dichloroethane	mg/Kg	0.100	0.111	0.104	111	104	60-140	6.5	20
1,2-Dichloroethane	mg/Kg	0.100	0.111	0.115	111	115	60-140	3.5	20
1,1-Dichloroethene	mg/Kg	0.100	0.0844	0.0972	84.4	97.2	60-140	14.0	20
cis-1,2-Dichloroethene	mg/Kg	0.100	0.109	0.0984	109	98.4	60-140	10.2	20
trans-1,2-Dichloroethene	mg/Kg	0.100	0.0922	0.0907	92.2	90.7	60-140	1.6	20
1,2-Dichloropropane	mg/Kg	0.100	0.115	0.107	115	107	60-140	7.2	20
1,3-Dichloropropane	mg/Kg	0.100	0.109	0.0987	109	98.7	60-140	9.9	20
2,2-Dichloropropane	mg/Kg	0.100	0.114	0.101	114	101	60-140	12.0	20
1,1-Dichloropropene	mg/Kg	0.100	0.119	0.0996	119	99.6	60-140	17.7	20
cis-1,3-Dichloropropene	mg/Kg	0.100	0.107	0.101	107	101	60-140	5.7	20
trans-1,3-Dichloropropene	mg/Kg	0.100	0.103	0.105	103	105	60-140	1.9	20
Ethyl Acetate	mg/Kg	0.100	0.145	0.163	145*	163*	60-140	11.6	20
Ethylbenzene	mg/Kg	0.100	0.108	0.0845	108	84.5	60-140	24.4*	20
Hexachlorobutadiene	mg/Kg	0.100	0.0739	0.0494	73.9	49.4	40-160	39.7*	20
2-Hexanone	mg/Kg	0.100	0.114	0.131	114	131	40-140	13.8	20
Iodomethane	mg/Kg	0.100	0.0457	0.0557	45.7	55.7	40-160	19.7	20
Isopropylbenzene	mg/Kg	0.100	0.101	0.0771	101	77.1	60-140	26.8*	20
4-Isopropyl toluene	mg/Kg	0.100	0.0932	0.0702	93.2	70.2	60-140	28.1*	20
4-Methyl-2-Pentanone	mg/Kg	0.100	0.106	0.126	106	126	40-140	17.2	20
Methylene Chloride	mg/Kg	0.100	0.0953	0.103	95.3	103	60-140	7.7	20
Methyl tert-butyl ether (MTBE)	mg/Kg	0.100	0.114	0.122	114	122	60-140	6.7	20
m,p-Xylene	mg/Kg	0.200	0.204	0.154	102	77.0	60-140	27.9*	20
Naphthalene	mg/Kg	0.100	0.0917	0.0910	91.7	91.0	50-150	0.7	20

* QC Fail

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Quality Control Data

Client ID: Ensafe
Project Description: Legends Park
Report No: 23-111-0040

QC Prep: L677746
QC Prep Batch Method: 5035
QC Analytical Batch(es): L677815
Analysis Method: 8260B
Analysis Description: Volatile Organic Compounds - GC/MS

Laboratory Control Sample & LCSD LCS-L677746 LCSD-L677746

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS %Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD
o-Xylene	mg/Kg	0.100	0.100	0.0769	100	76.9	60-140	26.1*	20
n-Propyl acetate	mg/Kg	0.100	0.144	0.161	144	161*	40-160	11.1	20
n-Propylbenzene	mg/Kg	0.100	0.107	0.0756	107	75.6	60-140	34.3*	20
Styrene	mg/Kg	0.100	0.0978	0.0807	97.8	80.7	60-140	19.1	20
1,1,1,2-Tetrachloroethane	mg/Kg	0.100	0.113	0.0940	113	94.0	60-140	18.3	20
1,1,2,2-Tetrachloroethane	mg/Kg	0.100	0.0862	0.0908	86.2	90.8	60-140	5.1	20
Tetrachloroethene	mg/Kg	0.100	0.112	0.0831	112	83.1	60-140	29.6*	20
Toluene	mg/Kg	0.100	0.104	0.0831	104	83.1	60-140	22.3*	20
1,2,3-Trichlorobenzene	mg/Kg	0.100	0.0772	0.0670	77.2	67.0	60-140	14.1	20
1,2,4-Trichlorobenzene	mg/Kg	0.100	0.0756	0.0638	75.6	63.8	60-140	16.9	20
1,1,1-Trichloroethane	mg/Kg	0.100	0.111	0.0942	111	94.2	60-140	16.3	20
1,1,2-Trichloroethane	mg/Kg	0.100	0.111	0.111	111	111	60-140	0.0	20
Trichloroethene	mg/Kg	0.100	0.105	0.0845	105	84.5	60-140	21.6*	20
Trichlorofluoromethane	mg/Kg	0.100	0.111	0.108	111	108	60-140	2.7	20
1,2,3-Trichloropropane	mg/Kg	0.100	0.0990	0.0958	99.0	95.8	60-140	3.2	20
1,2,4-Trimethylbenzene	mg/Kg	0.100	0.0989	0.0776	98.9	77.6	60-140	24.1*	20
1,3,5-Trimethylbenzene	mg/Kg	0.100	0.0946	0.0681	94.6	68.1	60-140	32.5*	20
Vinyl Acetate	mg/Kg	0.100	0.151	0.163	151	163*	40-160	7.6	20
Vinyl Chloride	mg/Kg	0.100	0.0897	0.0938	89.7	93.8	60-140	4.4	20
4-Bromofluorobenzene (S)					95.0	83.3	60-140		
1,2-Dichloroethane - d4 (S)					121	117	60-140		
Toluene-d8 (S)					104	84.1	60-140		

* QC Fail

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Quality Control Data

Client ID: Ensafe
Project Description: Legends Park
Report No: 23-111-0040

QC Prep: L678061
QC Prep Batch Method: 5035
QC Analytical Batch(es): L678106
Analysis Method: 8260B
Analysis Description: Volatile Organic Compounds - GC/MS

Lab Reagent Blank LRB-L678061 Matrix: SOL
Associated Lab Samples: 99808, 99809, 99810, 99811, 99812, 99813, 99814, 99815, 99816, 99817, 99818, 99819, 99820, 99821

Parameter	Units	Blank Result	MDL	MQL	Analyzed	% Recovery	% Rec Limits
Acetone	mg/Kg	<0.0043	0.0043	0.0400	04/24/23 11:16		
Acetonitrile	mg/Kg	<0.0522	0.0522	0.200	04/24/23 11:16		
Acrolein	mg/Kg	<0.0082	0.0082	0.0400	04/24/23 11:16		
Acrylonitrile	mg/Kg	<0.0037	0.0037	0.0400	04/24/23 11:16		
Benzene	mg/Kg	<0.0003	0.0003	0.0020	04/24/23 11:16		
Bromobenzene	mg/Kg	<0.0007	0.0007	0.0020	04/24/23 11:16		
Bromochloromethane	mg/Kg	<0.0004	0.0004	0.0020	04/24/23 11:16		
Bromodichloromethane	mg/Kg	<0.0007	0.0007	0.0020	04/24/23 11:16		
Bromoform	mg/Kg	<0.0013	0.0013	0.0020	04/24/23 11:16		
Bromomethane	mg/Kg	<0.0016	0.0016	0.0020	04/24/23 11:16		
Methyl Ethyl Ketone (MEK)	mg/Kg	<0.0038	0.0038	0.0400	04/24/23 11:16		
n-Butylbenzene	mg/Kg	<0.0009	0.0009	0.0020	04/24/23 11:16		
sec-Butyl benzene	mg/Kg	<0.0009	0.0009	0.0020	04/24/23 11:16		
tert-Butyl benzene	mg/Kg	<0.0007	0.0007	0.0020	04/24/23 11:16		
Carbon Disulfide	mg/Kg	<0.0028	0.0028	0.0100	04/24/23 11:16		
Carbon Tetrachloride	mg/Kg	<0.0004	0.0004	0.0020	04/24/23 11:16		
Chlorobenzene	mg/Kg	<0.0007	0.0007	0.0020	04/24/23 11:16		
Chlorodibromomethane	mg/Kg	<0.0010	0.0010	0.0020	04/24/23 11:16		
Chloroethane	mg/Kg	<0.0008	0.0008	0.0020	04/24/23 11:16		
Chloroform	mg/Kg	<0.0005	0.0005	0.0020	04/24/23 11:16		
Chloromethane	mg/Kg	<0.0007	0.0007	0.0020	04/24/23 11:16		
2-Chlorotoluene	mg/Kg	<0.0009	0.0009	0.0020	04/24/23 11:16		
4-Chlorotoluene	mg/Kg	<0.0010	0.0010	0.0020	04/24/23 11:16		
1,2-Dibromo-3-Chloropropane	mg/Kg	<0.0065	0.0065	0.0100	04/24/23 11:16		
1,2-Dibromoethane	mg/Kg	<0.0009	0.0009	0.0020	04/24/23 11:16		
Dibromomethane	mg/Kg	<0.0006	0.0006	0.0020	04/24/23 11:16		
1,2-Dichlorobenzene	mg/Kg	<0.0014	0.0014	0.0020	04/24/23 11:16		

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Quality Control Data

Client ID: Ensafe
Project Description: Legends Park
Report No: 23-111-0040

QC Prep: L678061
QC Prep Batch Method: 5035
QC Analytical Batch(es): L678106
Analysis Method: 8260B
Analysis Description: Volatile Organic Compounds - GC/MS

Lab Reagent Blank LRB-L678061 Matrix: SOL
Associated Lab Samples: 99808, 99809, 99810, 99811, 99812, 99813, 99814, 99815, 99816, 99817, 99818, 99819, 99820, 99821

Parameter	Units	Blank Result	MDL	MQL	Analyzed	% Recovery	% Rec Limits
1,3-Dichlorobenzene	mg/Kg	<0.0013	0.0013	0.0020	04/24/23 11:16		
1,4-Dichlorobenzene	mg/Kg	<0.0015	0.0015	0.0020	04/24/23 11:16		
Dichlorodifluoromethane	mg/Kg	<0.0018	0.0018	0.0020	04/24/23 11:16		
1,1-Dichloroethane	mg/Kg	<0.0003	0.0003	0.0020	04/24/23 11:16		
1,2-Dichloroethane	mg/Kg	<0.0004	0.0004	0.0020	04/24/23 11:16		
1,1-Dichloroethene	mg/Kg	<0.0005	0.0005	0.0020	04/24/23 11:16		
cis-1,2-Dichloroethene	mg/Kg	<0.0005	0.0005	0.0020	04/24/23 11:16		
trans-1,2-Dichloroethene	mg/Kg	<0.0002	0.0002	0.0020	04/24/23 11:16		
1,2-Dichloropropane	mg/Kg	<0.0006	0.0006	0.0020	04/24/23 11:16		
1,3-Dichloropropane	mg/Kg	<0.0009	0.0009	0.0020	04/24/23 11:16		
2,2-Dichloropropane	mg/Kg	<0.0005	0.0005	0.0020	04/24/23 11:16		
1,1-Dichloropropene	mg/Kg	<0.0003	0.0003	0.0020	04/24/23 11:16		
cis-1,3-Dichloropropene	mg/Kg	<0.0007	0.0007	0.0020	04/24/23 11:16		
trans-1,3-Dichloropropene	mg/Kg	<0.0007	0.0007	0.0020	04/24/23 11:16		
Ethyl Acetate	mg/Kg	<0.0060	0.0060	0.0400	04/24/23 11:16		
Ethylbenzene	mg/Kg	<0.0006	0.0006	0.0020	04/24/23 11:16		
Hexachlorobutadiene	mg/Kg	<0.0009	0.0009	0.0020	04/24/23 11:16		
2-Hexanone	mg/Kg	<0.0060	0.0060	0.0100	04/24/23 11:16		
Iodomethane	mg/Kg	<0.0045	0.0045	0.0100	04/24/23 11:16		
Isopropylbenzene	mg/Kg	<0.0007	0.0007	0.0020	04/24/23 11:16		
4-Isopropyl toluene	mg/Kg	<0.0009	0.0009	0.0020	04/24/23 11:16		
4-Methyl-2-Pentanone	mg/Kg	<0.0058	0.0058	0.0100	04/24/23 11:16		
Methylene Chloride	mg/Kg	<0.0027	0.0027	0.0100	04/24/23 11:16		
Methyl tert-butyl ether (MTBE)	mg/Kg	<0.0006	0.0006	0.0020	04/24/23 11:16		
m,p-Xylene	mg/Kg	<0.0014	0.0014	0.0040	04/24/23 11:16		
Naphthalene	mg/Kg	<0.0063	0.0063	0.0100	04/24/23 11:16		
o-Xylene	mg/Kg	<0.0007	0.0007	0.0020	04/24/23 11:16		

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Quality Control Data

Client ID: Ensafe
Project Description: Legends Park
Report No: 23-111-0040

QC Prep: L678061
QC Prep Batch Method: 5035
QC Analytical Batch(es): L678106
Analysis Method: 8260B
Analysis Description: Volatile Organic Compounds - GC/MS

Lab Reagent Blank LRB-L678061 Matrix: SOL
Associated Lab Samples: 99808, 99809, 99810, 99811, 99812, 99813, 99814, 99815, 99816, 99817, 99818, 99819, 99820, 99821

Parameter	Units	Blank Result	MDL	MQL	Analyzed	% Recovery	% Rec Limits
n-Propyl acetate	mg/Kg	<0.0067	0.0067	0.0100	04/24/23 11:16		
n-Propylbenzene	mg/Kg	<0.0006	0.0006	0.0020	04/24/23 11:16		
Styrene	mg/Kg	<0.0011	0.0011	0.0020	04/24/23 11:16		
1,1,1,2-Tetrachloroethane	mg/Kg	<0.0008	0.0008	0.0020	04/24/23 11:16		
1,1,2,2-Tetrachloroethane	mg/Kg	<0.0018	0.0018	0.0020	04/24/23 11:16		
Tetrachloroethene	mg/Kg	<0.0007	0.0007	0.0020	04/24/23 11:16		
Toluene	mg/Kg	<0.0032	0.0032	0.0040	04/24/23 11:16		
1,2,3-Trichlorobenzene	mg/Kg	<0.0020	0.0020	0.0020	04/24/23 11:16		
1,2,4-Trichlorobenzene	mg/Kg	<0.0011	0.0011	0.0020	04/24/23 11:16		
1,1,1-Trichloroethane	mg/Kg	<0.0003	0.0003	0.0020	04/24/23 11:16		
1,1,2-Trichloroethane	mg/Kg	<0.0010	0.0010	0.0020	04/24/23 11:16		
Trichloroethene	mg/Kg	<0.0009	0.0009	0.0020	04/24/23 11:16		
Trichlorofluoromethane	mg/Kg	<0.0008	0.0008	0.0020	04/24/23 11:16		
1,2,3-Trichloropropane	mg/Kg	<0.0015	0.0015	0.0020	04/24/23 11:16		
1,2,4-Trimethylbenzene	mg/Kg	<0.0008	0.0008	0.0020	04/24/23 11:16		
1,3,5-Trimethylbenzene	mg/Kg	<0.0009	0.0009	0.0020	04/24/23 11:16		
Vinyl Acetate	mg/Kg	<0.0040	0.0040	0.0400	04/24/23 11:16		
Vinyl Chloride	mg/Kg	<0.0007	0.0007	0.0020	04/24/23 11:16		
4-Bromofluorobenzene (S)					04/24/23 11:16	90.0	60-140
1,2-Dichloroethane - d4 (S)					04/24/23 11:16	101	60-140
Toluene-d8 (S)					04/24/23 11:16	88.1	60-140

Laboratory Control Sample & LCSD LCS-L678061 LCSD-L678061

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS %Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD
Acetone	mg/Kg	0.100	0.115	0.113	115	113	60-160	1.7	20

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Quality Control Data

Client ID: Ensafe
Project Description: Legends Park
Report No: 23-111-0040

QC Prep: L678061
QC Prep Batch Method: 5035
QC Analytical Batch(es): L678106
Analysis Method: 8260B
Analysis Description: Volatile Organic Compounds - GC/MS

Laboratory Control Sample & LCSD LCS-L678061 LCSD-L678061

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS %Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD
Acetonitrile	mg/Kg	1.00	1.14	1.25	114	125	40-140	9.2	20
Acrolein	mg/Kg	0.100	0.121	0.124	121	124	40-160	2.4	20
Benzene	mg/Kg	0.100	0.110	0.112	110	112	60-140	1.8	20
Bromobenzene	mg/Kg	0.100	0.0957	0.123	95.7	123	60-140	24.9*	20
Bromochloromethane	mg/Kg	0.100	0.120	0.134	120	134	60-140	11.0	20
Bromodichloromethane	mg/Kg	0.100	0.104	0.104	104	104	60-140	0.0	20
Bromoform	mg/Kg	0.100	0.0732	0.0862	73.2	86.2	60-140	16.3	20
Bromomethane	mg/Kg	0.100	0.112	0.118	112	118	40-160	5.2	20
Methyl Ethyl Ketone (MEK)	mg/Kg	0.100	0.130	0.130	130	130	40-160	0.0	20
n-Butylbenzene	mg/Kg	0.100	0.115	0.118	115	118	60-140	2.5	20
sec-Butyl benzene	mg/Kg	0.100	0.0973	0.120	97.3	120	60-140	20.8*	20
tert-Butyl benzene	mg/Kg	0.100	0.0916	0.109	91.6	109	60-140	17.3	20
Carbon Disulfide	mg/Kg	0.100	0.0627	0.0663	62.7	66.3	40-140	5.5	20
Carbon Tetrachloride	mg/Kg	0.100	0.103	0.109	103	109	60-140	5.6	20
Chlorobenzene	mg/Kg	0.100	0.0864	0.105	86.4	105	60-140	19.4	20
Chlorodibromomethane	mg/Kg	0.100	0.100	0.0936	100	93.6	60-140	6.6	20
Chloroethane	mg/Kg	0.100	0.115	0.123	115	123	40-160	6.7	20
Chloroform	mg/Kg	0.100	0.111	0.118	111	118	60-140	6.1	20
Chloromethane	mg/Kg	0.100	0.0677	0.0737	67.7	73.7	50-150	8.4	20
2-Chlorotoluene	mg/Kg	0.100	0.100	0.113	100	113	60-140	12.2	20
4-Chlorotoluene	mg/Kg	0.100	0.0974	0.120	97.4	120	60-140	20.7*	20
1,2-Dibromo-3-Chloropropane	mg/Kg	0.100	0.111	0.109	111	109	50-150	1.8	20
1,2-Dibromoethane	mg/Kg	0.100	0.101	0.105	101	105	60-140	3.8	20
Dibromomethane	mg/Kg	0.100	0.104	0.0938	104	93.8	60-140	10.3	20
1,2-Dichlorobenzene	mg/Kg	0.100	0.100	0.102	100	102	60-140	1.9	20
1,3-Dichlorobenzene	mg/Kg	0.100	0.108	0.115	108	115	60-140	6.2	20

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Quality Control Data

Client ID: Ensafe
Project Description: Legends Park
Report No: 23-111-0040

QC Prep: L678061
QC Prep Batch Method: 5035
QC Analytical Batch(es): L678106
Analysis Method: 8260B
Analysis Description: Volatile Organic Compounds - GC/MS

Laboratory Control Sample & LCSD LCS-L678061 LCSD-L678061

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS %Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD
1,4-Dichlorobenzene	mg/Kg	0.100	0.0981	0.105	98.1	105	60-140	6.7	20
Dichlorodifluoromethane	mg/Kg	0.100	0.0507	0.0549	50.7	54.9	40-140	7.9	20
1,1-Dichloroethane	mg/Kg	0.100	0.117	0.122	117	122	60-140	4.1	20
1,2-Dichloroethane	mg/Kg	0.100	0.125	0.127	125	127	60-140	1.5	20
1,1-Dichloroethene	mg/Kg	0.100	0.0872	0.0900	87.2	90.0	60-140	3.1	20
cis-1,2-Dichloroethene	mg/Kg	0.100	0.114	0.120	114	120	60-140	5.1	20
trans-1,2-Dichloroethene	mg/Kg	0.100	0.0947	0.0987	94.7	98.7	60-140	4.1	20
1,2-Dichloropropane	mg/Kg	0.100	0.119	0.118	119	118	60-140	0.8	20
1,3-Dichloropropane	mg/Kg	0.100	0.106	0.114	106	114	60-140	7.2	20
2,2-Dichloropropane	mg/Kg	0.100	0.123	0.127	123	127	60-140	3.2	20
1,1-Dichloropropene	mg/Kg	0.100	0.125	0.126	125	126	60-140	0.7	20
cis-1,3-Dichloropropene	mg/Kg	0.100	0.112	0.109	112	109	60-140	2.7	20
trans-1,3-Dichloropropene	mg/Kg	0.100	0.110	0.0994	110	99.4	60-140	10.1	20
Ethylbenzene	mg/Kg	0.100	0.0992	0.118	99.2	118	60-140	17.3	20
Hexachlorobutadiene	mg/Kg	0.100	0.0882	0.0936	88.2	93.6	40-160	5.9	20
2-Hexanone	mg/Kg	0.100	0.129	0.117	129	117	40-140	9.7	20
Iodomethane	mg/Kg	0.100	0.0478	0.0537	47.8	53.7	40-160	11.6	20
Isopropylbenzene	mg/Kg	0.100	0.0969	0.111	96.9	111	60-140	13.5	20
4-Isopropyl toluene	mg/Kg	0.100	0.0885	0.109	88.5	109	60-140	20.7*	20
4-Methyl-2-Pentanone	mg/Kg	0.100	0.121	0.115	121	115	40-140	5.0	20
Methylene Chloride	mg/Kg	0.100	0.102	0.105	102	105	60-140	2.8	20
Methyl tert-butyl ether (MTBE)	mg/Kg	0.100	0.127	0.131	127	131	60-140	3.1	20
m,p-Xylene	mg/Kg	0.200	0.191	0.229	95.5	115	60-140	18.0	20
Naphthalene	mg/Kg	0.100	0.105	0.111	105	111	50-150	5.5	20
o-Xylene	mg/Kg	0.100	0.0932	0.113	93.2	113	60-140	19.2	20
n-Propyl acetate	mg/Kg	0.100	0.158	0.151	158	151	40-160	4.5	20

* QC Fail

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Quality Control Data

Client ID: Ensafe
Project Description: Legends Park
Report No: 23-111-0040

QC Prep: L678061
QC Prep Batch Method: 5035
QC Analytical Batch(es): L678106
Analysis Method: 8260B
Analysis Description: Volatile Organic Compounds - GC/MS

Laboratory Control Sample & LCSD LCS-L678061 LCSD-L678061

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS %Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD
n-Propylbenzene	mg/Kg	0.100	0.102	0.121	102	121	60-140	17.0	20
Styrene	mg/Kg	0.100	0.0834	0.111	83.4	111	60-140	28.3*	20
1,1,1,2-Tetrachloroethane	mg/Kg	0.100	0.0984	0.122	98.4	122	60-140	21.4*	20
1,1,2,2-Tetrachloroethane	mg/Kg	0.100	0.0826	0.104	82.6	104	60-140	22.9*	20
Tetrachloroethene	mg/Kg	0.100	0.111	0.105	111	105	60-140	5.5	20
Toluene	mg/Kg	0.100	0.115	0.107	115	107	60-140	7.2	20
1,2,3-Trichlorobenzene	mg/Kg	0.100	0.0906	0.0895	90.6	89.5	60-140	1.2	20
1,2,4-Trichlorobenzene	mg/Kg	0.100	0.0853	0.0917	85.3	91.7	60-140	7.2	20
1,1,1-Trichloroethane	mg/Kg	0.100	0.115	0.119	115	119	60-140	3.4	20
1,1,2-Trichloroethane	mg/Kg	0.100	0.118	0.108	118	108	60-140	8.8	20
Trichloroethene	mg/Kg	0.100	0.106	0.0981	106	98.1	60-140	7.7	20
Trichlorofluoromethane	mg/Kg	0.100	0.116	0.124	116	124	60-140	6.6	20
1,2,3-Trichloropropane	mg/Kg	0.100	0.0946	0.116	94.6	116	60-140	20.3*	20
1,2,4-Trimethylbenzene	mg/Kg	0.100	0.0972	0.116	97.2	116	60-140	17.6	20
1,3,5-Trimethylbenzene	mg/Kg	0.100	0.0882	0.101	88.2	101	60-140	13.5	20
Vinyl Acetate	mg/Kg	0.100	0.168	0.177	168*	177*	40-160	5.2	20
Vinyl Chloride	mg/Kg	0.100	0.0929	0.102	92.9	102	60-140	9.3	20
4-Bromofluorobenzene (S)					95.6	102	60-140		
1,2-Dichloroethane - d4 (S)					125	133	60-140		
Toluene-d8 (S)					109	103	60-140		

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Quality Control Data

Client ID: Ensafe
Project Description: Legends Park
Report No: 23-111-0040

QC Prep: L678321
QC Prep Batch Method: 5035
QC Analytical Batch(es): L678442
Analysis Method: 8260B
Analysis Description: Volatile Organic Compounds - GC/MS

Lab Reagent Blank LRB-L678321 Matrix: SOL

Associated Lab Samples: 99822, 99823, 99824, 99825, 99826, 99827, 99828, 99829, 99830, 99831, 99832, 99833, 99834, 99835, 99836, 99837, 99838

Parameter	Units	Blank Result	MDL	MQL	Analyzed	% Recovery	% Rec Limits
Acetone	mg/Kg	<0.0043	0.0043	0.0400	04/25/23 12:10		
Acetonitrile	mg/Kg	<0.0522	0.0522	0.200	04/25/23 12:10		
Acrolein	mg/Kg	<0.0082	0.0082	0.0400	04/25/23 12:10		
Acrylonitrile	mg/Kg	<0.0037	0.0037	0.0400	04/25/23 12:10		
Benzene	mg/Kg	<0.0003	0.0003	0.0020	04/25/23 12:10		
Bromobenzene	mg/Kg	<0.0007	0.0007	0.0020	04/25/23 12:10		
Bromochloromethane	mg/Kg	<0.0004	0.0004	0.0020	04/25/23 12:10		
Bromodichloromethane	mg/Kg	<0.0007	0.0007	0.0020	04/25/23 12:10		
Bromoform	mg/Kg	<0.0013	0.0013	0.0020	04/25/23 12:10		
Bromomethane	mg/Kg	<0.0016	0.0016	0.0020	04/25/23 12:10		
Methyl Ethyl Ketone (MEK)	mg/Kg	<0.0038	0.0038	0.0400	04/25/23 12:10		
n-Butylbenzene	mg/Kg	<0.0009	0.0009	0.0020	04/25/23 12:10		
sec-Butyl benzene	mg/Kg	<0.0009	0.0009	0.0020	04/25/23 12:10		
tert-Butyl benzene	mg/Kg	<0.0007	0.0007	0.0020	04/25/23 12:10		
Carbon Disulfide	mg/Kg	<0.0028	0.0028	0.0100	04/25/23 12:10		
Carbon Tetrachloride	mg/Kg	<0.0004	0.0004	0.0020	04/25/23 12:10		
Chlorobenzene	mg/Kg	<0.0007	0.0007	0.0020	04/25/23 12:10		
Chlorodibromomethane	mg/Kg	<0.0010	0.0010	0.0020	04/25/23 12:10		
Chloroethane	mg/Kg	<0.0008	0.0008	0.0020	04/25/23 12:10		
Chloroform	mg/Kg	<0.0005	0.0005	0.0020	04/25/23 12:10		
Chloromethane	mg/Kg	<0.0007	0.0007	0.0020	04/25/23 12:10		
2-Chlorotoluene	mg/Kg	<0.0009	0.0009	0.0020	04/25/23 12:10		
4-Chlorotoluene	mg/Kg	<0.0010	0.0010	0.0020	04/25/23 12:10		
1,2-Dibromo-3-Chloropropane	mg/Kg	<0.0065	0.0065	0.0100	04/25/23 12:10		
1,2-Dibromoethane	mg/Kg	<0.0009	0.0009	0.0020	04/25/23 12:10		
Dibromomethane	mg/Kg	<0.0006	0.0006	0.0020	04/25/23 12:10		
1,2-Dichlorobenzene	mg/Kg	<0.0014	0.0014	0.0020	04/25/23 12:10		

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Quality Control Data

Client ID: Ensafe
Project Description: Legends Park
Report No: 23-111-0040

QC Prep: L678321
QC Prep Batch Method: 5035
QC Analytical Batch(es): L678442
Analysis Method: 8260B
Analysis Description: Volatile Organic Compounds - GC/MS

Lab Reagent Blank LRB-L678321 Matrix: SOL

Associated Lab Samples: 99822, 99823, 99824, 99825, 99826, 99827, 99828, 99829, 99830, 99831, 99832, 99833, 99834, 99835, 99836, 99837, 99838

Parameter	Units	Blank Result	MDL	MQL	Analyzed	% Recovery	% Rec Limits
1,3-Dichlorobenzene	mg/Kg	<0.0013	0.0013	0.0020	04/25/23 12:10		
1,4-Dichlorobenzene	mg/Kg	<0.0015	0.0015	0.0020	04/25/23 12:10		
Dichlorodifluoromethane	mg/Kg	<0.0018	0.0018	0.0020	04/25/23 12:10		
1,1-Dichloroethane	mg/Kg	<0.0003	0.0003	0.0020	04/25/23 12:10		
1,2-Dichloroethane	mg/Kg	<0.0004	0.0004	0.0020	04/25/23 12:10		
1,1-Dichloroethene	mg/Kg	<0.0005	0.0005	0.0020	04/25/23 12:10		
cis-1,2-Dichloroethene	mg/Kg	<0.0005	0.0005	0.0020	04/25/23 12:10		
trans-1,2-Dichloroethene	mg/Kg	<0.0002	0.0002	0.0020	04/25/23 12:10		
1,2-Dichloropropane	mg/Kg	<0.0006	0.0006	0.0020	04/25/23 12:10		
1,3-Dichloropropane	mg/Kg	<0.0009	0.0009	0.0020	04/25/23 12:10		
2,2-Dichloropropane	mg/Kg	<0.0005	0.0005	0.0020	04/25/23 12:10		
1,1-Dichloropropene	mg/Kg	<0.0003	0.0003	0.0020	04/25/23 12:10		
cis-1,3-Dichloropropene	mg/Kg	<0.0007	0.0007	0.0020	04/25/23 12:10		
trans-1,3-Dichloropropene	mg/Kg	<0.0007	0.0007	0.0020	04/25/23 12:10		
Ethyl Acetate	mg/Kg	<0.0060	0.0060	0.0400	04/25/23 12:10		
Ethylbenzene	mg/Kg	<0.0006	0.0006	0.0020	04/25/23 12:10		
Hexachlorobutadiene	mg/Kg	<0.0009	0.0009	0.0020	04/25/23 12:10		
2-Hexanone	mg/Kg	<0.0060	0.0060	0.0100	04/25/23 12:10		
Iodomethane	mg/Kg	<0.0045	0.0045	0.0100	04/25/23 12:10		
Isopropylbenzene	mg/Kg	<0.0007	0.0007	0.0020	04/25/23 12:10		
4-Isopropyl toluene	mg/Kg	<0.0009	0.0009	0.0020	04/25/23 12:10		
4-Methyl-2-Pentanone	mg/Kg	<0.0058	0.0058	0.0100	04/25/23 12:10		
Methylene Chloride	mg/Kg	<0.0027	0.0027	0.0100	04/25/23 12:10		
Methyl tert-butyl ether (MTBE)	mg/Kg	<0.0006	0.0006	0.0020	04/25/23 12:10		
m,p-Xylene	mg/Kg	<0.0014	0.0014	0.0040	04/25/23 12:10		
Naphthalene	mg/Kg	<0.0063	0.0063	0.0100	04/25/23 12:10		
o-Xylene	mg/Kg	<0.0007	0.0007	0.0020	04/25/23 12:10		

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Quality Control Data

Client ID: Ensafe
Project Description: Legends Park
Report No: 23-111-0040

QC Prep: L678321
QC Prep Batch Method: 5035
QC Analytical Batch(es): L678442
Analysis Method: 8260B
Analysis Description: Volatile Organic Compounds - GC/MS

Lab Reagent Blank LRB-L678321 Matrix: SOL

Associated Lab Samples: 99822, 99823, 99824, 99825, 99826, 99827, 99828, 99829, 99830, 99831, 99832, 99833, 99834, 99835, 99836, 99837, 99838

Parameter	Units	Blank Result	MDL	MQL	Analyzed	% Recovery	% Rec Limits
n-Propyl acetate	mg/Kg	<0.0067	0.0067	0.0100	04/25/23 12:10		
n-Propylbenzene	mg/Kg	<0.0006	0.0006	0.0020	04/25/23 12:10		
Styrene	mg/Kg	<0.0011	0.0011	0.0020	04/25/23 12:10		
1,1,1,2-Tetrachloroethane	mg/Kg	<0.0008	0.0008	0.0020	04/25/23 12:10		
1,1,2,2-Tetrachloroethane	mg/Kg	<0.0018	0.0018	0.0020	04/25/23 12:10		
Tetrachloroethene	mg/Kg	<0.0007	0.0007	0.0020	04/25/23 12:10		
Toluene	mg/Kg	<0.0032	0.0032	0.0040	04/25/23 12:10		
1,2,3-Trichlorobenzene	mg/Kg	<0.0020	0.0020	0.0020	04/25/23 12:10		
1,2,4-Trichlorobenzene	mg/Kg	<0.0011	0.0011	0.0020	04/25/23 12:10		
1,1,1-Trichloroethane	mg/Kg	<0.0003	0.0003	0.0020	04/25/23 12:10		
1,1,2-Trichloroethane	mg/Kg	<0.0010	0.0010	0.0020	04/25/23 12:10		
Trichloroethene	mg/Kg	<0.0009	0.0009	0.0020	04/25/23 12:10		
Trichlorofluoromethane	mg/Kg	<0.0008	0.0008	0.0020	04/25/23 12:10		
1,2,3-Trichloropropane	mg/Kg	<0.0015	0.0015	0.0020	04/25/23 12:10		
1,2,4-Trimethylbenzene	mg/Kg	<0.0008	0.0008	0.0020	04/25/23 12:10		
1,3,5-Trimethylbenzene	mg/Kg	<0.0009	0.0009	0.0020	04/25/23 12:10		
Vinyl Acetate	mg/Kg	<0.0040	0.0040	0.0400	04/25/23 12:10		
Vinyl Chloride	mg/Kg	<0.0007	0.0007	0.0020	04/25/23 12:10		
4-Bromofluorobenzene (S)					04/25/23 12:10	92.1	60-140
1,2-Dichloroethane - d4 (S)					04/25/23 12:10	105	60-140
Toluene-d8 (S)					04/25/23 12:10	92.0	60-140

Laboratory Control Sample & LCSD LCS-L678321 LCSD-L678321

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS %Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD
Acetone	mg/Kg	0.100	0.118	0.113	118	113	60-160	4.3	20

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Quality Control Data

Client ID: Ensafe
Project Description: Legends Park
Report No: 23-111-0040

QC Prep: L678321
QC Prep Batch Method: 5035
QC Analytical Batch(es): L678442
Analysis Method: 8260B
Analysis Description: Volatile Organic Compounds - GC/MS

Laboratory Control Sample & LCSD LCS-L678321 LCSD-L678321

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS %Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD
Acetonitrile	mg/Kg	1.00	1.05	1.16	105	116	40-140	9.9	20
Acrolein	mg/Kg	0.100	0.113	0.120	113	120	40-160	6.0	20
Acrylonitrile	mg/Kg	0.100	0.147	0.162	147	162*	50-150	9.7	20
Benzene	mg/Kg	0.100	0.105	0.108	105	108	60-140	2.8	20
Bromobenzene	mg/Kg	0.100	0.104	0.104	104	104	60-140	0.0	20
Bromochloromethane	mg/Kg	0.100	0.126	0.131	126	131	60-140	3.8	20
Bromodichloromethane	mg/Kg	0.100	0.0828	0.108	82.8	108	60-140	26.4*	20
Bromoform	mg/Kg	0.100	0.0724	0.0772	72.4	77.2	60-140	6.4	20
Bromomethane	mg/Kg	0.100	0.105	0.121	105	121	40-160	14.1	20
Methyl Ethyl Ketone (MEK)	mg/Kg	0.100	0.112	0.124	112	124	40-160	10.1	20
n-Butylbenzene	mg/Kg	0.100	0.0999	0.0952	99.9	95.2	60-140	4.8	20
sec-Butyl benzene	mg/Kg	0.100	0.0984	0.0977	98.4	97.7	60-140	0.7	20
tert-Butyl benzene	mg/Kg	0.100	0.0932	0.0925	93.2	92.5	60-140	0.7	20
Carbon Disulfide	mg/Kg	0.100	0.0599	0.0616	59.9	61.6	40-140	2.7	20
Carbon Tetrachloride	mg/Kg	0.100	0.100	0.102	100	102	60-140	1.9	20
Chlorobenzene	mg/Kg	0.100	0.0935	0.0925	93.5	92.5	60-140	1.0	20
Chlorodibromomethane	mg/Kg	0.100	0.0740	0.103	74.0	103	60-140	32.7*	20
Chloroethane	mg/Kg	0.100	0.120	0.127	120	127	40-160	5.6	20
Chloroform	mg/Kg	0.100	0.110	0.115	110	115	60-140	4.4	20
Chloromethane	mg/Kg	0.100	0.0719	0.0789	71.9	78.9	50-150	9.2	20
2-Chlorotoluene	mg/Kg	0.100	0.101	0.0997	101	99.7	60-140	1.2	20
4-Chlorotoluene	mg/Kg	0.100	0.102	0.103	102	103	60-140	0.9	20
1,2-Dibromo-3-Chloropropane	mg/Kg	0.100	0.0890	0.0890	89.0	89.0	50-150	0.0	20
1,2-Dibromoethane	mg/Kg	0.100	0.0799	0.105	79.9	105	60-140	27.1*	20
Dibromomethane	mg/Kg	0.100	0.0778	0.118	77.8	118	60-140	41.0*	20
1,2-Dichlorobenzene	mg/Kg	0.100	0.0860	0.0913	86.0	91.3	60-140	5.9	20

* QC Fail

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Quality Control Data

Client ID: Ensafe
Project Description: Legends Park
Report No: 23-111-0040

QC Prep: L678321
QC Prep Batch Method: 5035
QC Analytical Batch(es): L678442
Analysis Method: 8260B
Analysis Description: Volatile Organic Compounds - GC/MS

Laboratory Control Sample & LCSD LCS-L678321 LCSD-L678321

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS %Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD
1,3-Dichlorobenzene	mg/Kg	0.100	0.107	0.100	107	100	60-140	6.7	20
1,4-Dichlorobenzene	mg/Kg	0.100	0.0881	0.0896	88.1	89.6	60-140	1.6	20
Dichlorodifluoromethane	mg/Kg	0.100	0.0464	0.0518	46.4	51.8	40-140	10.9	20
1,1-Dichloroethane	mg/Kg	0.100	0.110	0.118	110	118	60-140	7.0	20
1,2-Dichloroethane	mg/Kg	0.100	0.119	0.129	119	129	60-140	8.0	20
1,1-Dichloroethene	mg/Kg	0.100	0.0857	0.0872	85.7	87.2	60-140	1.7	20
cis-1,2-Dichloroethene	mg/Kg	0.100	0.111	0.117	111	117	60-140	5.2	20
trans-1,2-Dichloroethene	mg/Kg	0.100	0.0959	0.0986	95.9	98.6	60-140	2.7	20
1,2-Dichloropropane	mg/Kg	0.100	0.0926	0.125	92.6	125	60-140	29.7*	20
1,3-Dichloropropane	mg/Kg	0.100	0.0885	0.116	88.5	116	60-140	26.8*	20
2,2-Dichloropropane	mg/Kg	0.100	0.112	0.123	112	123	60-140	9.3	20
1,1-Dichloropropene	mg/Kg	0.100	0.122	0.123	122	123	60-140	0.8	20
cis-1,3-Dichloropropene	mg/Kg	0.100	0.0887	0.112	88.7	112	60-140	23.2*	20
trans-1,3-Dichloropropene	mg/Kg	0.100	0.0866	0.111	86.6	111	60-140	24.6*	20
Ethyl Acetate	mg/Kg	0.100	0.153	0.164	153*	164*	60-140	6.9	20
Ethylbenzene	mg/Kg	0.100	0.107	0.106	107	106	60-140	0.9	20
Hexachlorobutadiene	mg/Kg	0.100	0.0737	0.0758	73.7	75.8	40-160	2.8	20
2-Hexanone	mg/Kg	0.100	0.0878	0.125	87.8	125	40-140	34.9*	20
Iodomethane	mg/Kg	0.100	0.0471	0.0547	47.1	54.7	40-160	14.9	20
Isopropylbenzene	mg/Kg	0.100	0.104	0.100	104	100	60-140	3.9	20
4-Isopropyl toluene	mg/Kg	0.100	0.0940	0.0935	94.0	93.5	60-140	0.5	20
4-Methyl-2-Pentanone	mg/Kg	0.100	0.0871	0.120	87.1	120	40-140	31.7*	20
Methylene Chloride	mg/Kg	0.100	0.100	0.105	100	105	60-140	4.8	20
Methyl tert-butyl ether (MTBE)	mg/Kg	0.100	0.118	0.127	118	127	60-140	7.3	20
m,p-Xylene	mg/Kg	0.200	0.206	0.205	103	103	60-140	0.4	20
Naphthalene	mg/Kg	0.100	0.0959	0.0981	95.9	98.1	50-150	2.2	20

* QC Fail

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Quality Control Data

Client ID: Ensafe
Project Description: Legends Park
Report No: 23-111-0040

QC Prep: L678321
QC Prep Batch Method: 5035
QC Analytical Batch(es): L678442
Analysis Method: 8260B
Analysis Description: Volatile Organic Compounds - GC/MS

Laboratory Control Sample & LCSD LCS-L678321 LCSD-L678321

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS %Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD
o-Xylene	mg/Kg	0.100	0.0962	0.0974	96.2	97.4	60-140	1.2	20
n-Propyl acetate	mg/Kg	0.100	0.114	0.159	114	159	40-160	32.9*	20
n-Propylbenzene	mg/Kg	0.100	0.108	0.104	108	104	60-140	3.7	20
Styrene	mg/Kg	0.100	0.0877	0.0911	87.7	91.1	60-140	3.8	20
1,1,1,2-Tetrachloroethane	mg/Kg	0.100	0.110	0.110	110	110	60-140	0.0	20
1,1,2,2-Tetrachloroethane	mg/Kg	0.100	0.0867	0.0910	86.7	91.0	60-140	4.8	20
Tetrachloroethene	mg/Kg	0.100	0.0843	0.111	84.3	111	60-140	27.3*	20
Toluene	mg/Kg	0.100	0.0921	0.118	92.1	118	60-140	24.6*	20
1,2,3-Trichlorobenzene	mg/Kg	0.100	0.0882	0.0799	88.2	79.9	60-140	9.8	20
1,2,4-Trichlorobenzene	mg/Kg	0.100	0.0835	0.0799	83.5	79.9	60-140	4.4	20
1,1,1-Trichloroethane	mg/Kg	0.100	0.113	0.118	113	118	60-140	4.3	20
1,1,2-Trichloroethane	mg/Kg	0.100	0.0828	0.120	82.8	120	60-140	36.6*	20
Trichloroethene	mg/Kg	0.100	0.0827	0.103	82.7	103	60-140	21.8*	20
Trichlorofluoromethane	mg/Kg	0.100	0.115	0.131	115	131	60-140	13.0	20
1,2,3-Trichloropropane	mg/Kg	0.100	0.100	0.102	100	102	60-140	1.9	20
1,2,4-Trimethylbenzene	mg/Kg	0.100	0.104	0.100	104	100	60-140	3.9	20
1,3,5-Trimethylbenzene	mg/Kg	0.100	0.0948	0.0889	94.8	88.9	60-140	6.4	20
Vinyl Acetate	mg/Kg	0.100	0.163	0.177	163*	177*	40-160	8.2	20
Vinyl Chloride	mg/Kg	0.100	0.0933	0.113	93.3	113	60-140	19.0	20
4-Bromofluorobenzene (S)					96.4	95.6	60-140		
1,2-Dichloroethane - d4 (S)					114	121	60-140		
Toluene-d8 (S)					83.9	107	60-140		

* QC Fail

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Shipment Receipt Form

Customer Number: **03180**
Customer Name: **Ensafe**
Report Number: **23-111-0040**

Shipping Method

◯ Fed Ex	◯ US Postal	◯ Lab	◯ Other :	
◯ UPS	◉ Client	◯ Courier	Thermometer ID:	T99

Shipping container/cooler uncompromised?	◉ Yes	◯ No	
Number of coolers/boxes received	1		
Custody seals intact on shipping container/cooler?	◯ Yes	◯ No	◉ Not Present
Custody seals intact on sample bottles?	◯ Yes	◯ No	◉ Not Present
Chain of Custody (COC) present?	◉ Yes	◯ No	
COC agrees with sample label(s)?	◉ Yes	◯ No	
COC properly completed	◉ Yes	◯ No	
Samples in proper containers?	◉ Yes	◯ No	
Sample containers intact?	◉ Yes	◯ No	
Sufficient sample volume for indicated test(s)?	◉ Yes	◯ No	
All samples received within holding time?	◉ Yes	◯ No	
Cooler temperature in compliance?	◉ Yes	◯ No	
Cooler/Samples arrived at the laboratory on ice. Samples were considered acceptable as cooling process had begun.	◉ Yes	◯ No	
Water - Sample containers properly preserved	◉ Yes	◯ No	◯ N/A
Water - VOA vials free of headspace	◯ Yes	◯ No	◉ N/A
Trip Blanks received with VOAs	◉ Yes	◯ No	◯ N/A
Soil VOA method 5035 – compliance criteria met	◉ Yes	◯ No	◯ N/A

☑ High concentration container (48 hr)	☐ Low concentration EnCore samplers (48 hr)
☑ High concentration pre-weighed (methanol -14 d)	☐ Low conc pre-weighed vials (Sod Bis -14 d)

Special precautions or instructions included?	◯ Yes	◉ No

Comments:

Signature: Carleen Qualls Date & Time: 04/21/2023 10:16:28

ENSAFE

EnSafe Inc.
800-588-7962

CHAIN OF CUSTODY AND ANALYTICAL REQUEST RECORD

COC No. GMH042020223 | Page 2 of 3

Project Name: **Edgeview at Legends Park, Block A** | PO No. | Project No. **888834888** Phase

Site Location: **Memphis, TN**

Sample Analysis Requested (*Enter number of containers for each test*)

Sampler/Site Phone# **Griffin Heard/901-483-0920; Trace Hilbun/256-282-7811**

Lab Name: **WAYPOINT ANALYTICAL** Turnaround Time(specify): **3 & 5 DAY**

Lab ID	Sample ID	Location ID (sys_loc_code)	Date (mm/dd/yy)	Time (Military) (hhmm)	Matrix Code (1)	Sample Type (2)	Field Filtered (Y/N)	(3)→ Total No. of Containers	8260 - VOCs	8270 SIM - PAHs	6010 - RCRA 8 Metals	Volume for MS/MSD
	LEGSSB33-01	SB33	4/20/23	1117	SO	N	N	6	X	X	X	
	LEGSSB33-03	"	"	1121	"	"	"	6	X	X	X	
	LEGSSB34-01	SB34	"	1140	"	"	"	6	X	X	X	
	LEGSSB34-05	"	"	1146	"	"	"	6	X	X	X	
	LEGSSB34-09	"	"	1159	"	"	"	6	X	X	X	
	LEGSSB35-01	SB35	"	1215	"	"	"	6	X	X	X	
	LEGSSB35-05	"	"	1225	"	"	"	6	X	X	X	
	LEGSSB35-09	"	"	1238	"	"	"	6	X	X	X	
	LEGSSB36-01	SB36	"	1252	"	"	"	6	X	X	X	
	LEGSSB36-04	"	"	1300	"	"	"	6	X	X	X	
	LEGSSB37-01	SB37	"	1315	"	"	"	6	X	X	X	
	LEGSSB38-01	SB38	"	1333	"	"	"					
	LEGSSB38-03	SB38	"	1338	"	"	"					

23-111-0040 03180 04-21-2023 10:14:42 Ensafe (for moisture. lab comment LXXXXX=LXXXXX)

23-111-0041 03180 04-21-2023 11:56:46 Ensafe Legends Park

***Field* Comments:** VOCs and RCRA Metals are 5 day turnaround time; PAHs are 3 day/72 hour turnaround time.

***Lab* Comments:** Tag 1.7°C 2.0°C 1.3°C 1.4°C CP

Sample Shipment and Delivery Details

Number of coolers in shipment: 6

	Relinquished by (signature)	Date	Time	Received by (signature)	Date	Time
1		4/20/23	1646			
2						
3				Emily Peterson	4/20/23	1646

Samples Iced?(check) Yes ✓ No ____

Method of Shipment:

Airbill No:

Date Shipped:

(1) Matrix Code: **AA**=Air, **AQ**=Air QC Matrix, **CK**=Caulk, **GS**=Soil Gas, **LF**=Free Product, **LH**=Liquid Waste, **MS**=Mastic, **Oil**=Oil, **PT**=Paint, **SC**=Cement/Concrete, **SE**=Sediment, **SF**=Filter Sandpack, **SL**=Sludge, **SN**=Miscellaneous Solid/Building Materials, **SO**=Soil, **SQ**=Soil/Solid QC Matrix, **ST**=Solid Waste, **SW**=Swab/Wipe, **TA**=Animal Tissue, **TP**=Plant Tissue, **WG**=Ground Water, **WL**=Leachate, **WO**=Ocean Water, **WP**=Drinking Water, **WQ**=Water QC Matrix, **WS**=Surface Water, **SU**=Sewer Water, **WW**=Waste Water

(2) Sample Type: **AB**=Ambient Blank, **EB**=Equipment Blank, **FB**=Field Blank, **FD**=Field Duplicate Sample, **FR**=Field Replicate, **MB**=Material Blank, **N**=Normal Environmental Sample, **RB**=Material Rinse Blank, **TB**=Trip Blank

(3) Preservative added: **HA**=Hydrochloric Acid, **NI**=Nitric Acid, **SH**=Sodium Hydroxide, **SA**=Sulfuric Acid, **AA**=Ascorbic Acid, **HX**=Hexane, **ME**=Methanol, **SB**=sodium bisulfate, **ST**=Sodium Thiosulfate, If **NO preservative** added leave blank

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CHAIN OF CUSTODY AND ANALYTICAL REQUEST RECORD

ENSAFE

EnSafe Inc.
800-588-7962

COC No. GMH04202023 | Page 3 of 3

Project Name: **Edgeview at Legends Park, Block A** | PO No. | Project No. **888834888** Phase

Site Location: **Memphis, TN**

Sample Analysis Requested (*Enter number of containers for each test*)

Sampler/Site Phone# **Griffin Heard/901-483-0920; Trace Hilbun/256-282-7811**

Lab Name: **WAYPOINT ANALYTICAL** Turnaround Time(specify): **3 & 5 DAY**

Lab ID	Sample ID	Location ID (sys_loc_code)	Date (mm/dd/yy)	Time (Military) (hhmm)	Matrix Code (1)	Sample Type (2)	Field Filtered (Y/N)	(3)→ Total No. of Containers	8260 - VOCs	8270 SIM - PAHs	6010 - RCRA 8 Metals	or MS/MSD
	LEGSSB39-01	SB39	4/20/23	1346	SO	N	N	6	X	X	X	
	LEGSSB40-01	SB40	"	1354	"	"	"	6	X	X	X	
	LEGSSB41-01	SB41	"	1357	"	"	"	6	X	X	X	
	LEGSSB43-01	SB43	"	1421	"	"	"	6	X	X	X	
	LEGSSB42-01	SB42	"	1428	"	"	"	6	X	X	X	
	LEGSSB42-03	"	"	1430	"	"	"	6	X	X	X	
	LEGSSB43-04	SB43	"	1434	"	"	"	6	X	X	X	
	LEGSSB44-01	SB44	"	1457	"	"	"	6	X	X	X	
	LEGSSB45-01	SB45	"	1500	"	"	"	6	X	X	X	
	LEGSSB46-01	SB46	"	1515	"	"	"	6	X	X	X	
	LEGSSB46-03	"	"	1521	"	"	"	6	X	X	X	

5 CR

23-111-0040 03180 04-21-2023 10:14:42 Ensafe (for moisture. lab comment LXXXXX=LXXXXX)

23-111-0041 03180 04-21-2023 11:56:46 Ensafe Legends Park

***Field* Comments:** VOCs and RCRA Metals are 5 day turnaround time; PAHs are 3 day/72 hour turnaround time.

***Lab* Comments:** T99 1.7°c 1.3°c 2.0°c 1.4°c CR

Sample Shipment and Delivery Details

Number of coolers in shipment: 6

	Relinquished by (signature)	Date	Time	Received by (signature)	Date	Time
1		4/20/23	1646			
2						
3				Emily Peterson	4/20/23	1646

Samples Iced?(check) Yes ✓ No____

Method of Shipment:

Airbill No:

Date Shipped:

(1) Matrix Code: **AA**=Air, **AQ**=Air QC Matrix, **CK**=Caulk, **GS**=Soil Gas, **LF**=Free Product, **LH**=Liquid Waste, **MS**=Mastic, **Oil**=Oil, **PT**=Paint, **SC**=Cement/Concrete, **SE**=Sediment, **SF**=Filter Sandpack, **SL**=Sludge, **SN**=Miscellaneous Solid/Building Materials, **SO**=Soil, **SQ**=Soil/Solid QC Matrix, **ST**=Solid Waste, **SW**=Swab/Wipe, **TA**=Animal Tissue, **TP**=Plant Tissue, **WG**=Ground Water, **WL**=Leachate, **WO**=Ocean Water, **WP**=Drinking Water, **WQ**=Water QC Matrix, **WS**=Surface Water, **SU**=Sewer Water, **WW**=Waste Water

(2) Sample Type: **AB**=Ambient Blank, **EB**=Equipment Blank, **FB**=Field Blank, **FD**=Field Duplicate Sample, **FR**=Field Replicate, **MB**=Material Blank, **N**=Normal Environmental Sample, **RB**=Material Rinse Blank, **TB**=Trip Blank

(3) Preservative added: **HA**=Hydrochloric Acid, **NI**=Nitric Acid, **SH**=Sodium Hydroxide, **SA**=Sulfuric Acid, **AA**=Ascorbic Acid, **HX**=Hexane, **ME**=Methanol, **SB**=sodium bisulfate, **ST**=Sodium Thiosulfate, If **NO preservative** added leave blank

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Attachment D

TDEC - Benzo(a)Pyrene Equivalency Residential Screening Level Calculation

Default
Resident Soil Inputs

Variable	Value
THQ (target hazard quotient) unitless	1
TR (target risk) unitless	1E-05
LT (lifetime) years	70
ET_{res} (exposure time) hours/day	24
ET_{res-c} (child exposure time) hours/day	24
ET_{res-a} (adult exposure time) hours/day	24
ET_{0-2} (mutagenic exposure time) hours/day	24
ET_{2-6} (mutagenic exposure time) hours/day	24
ET_{6-16} (mutagenic exposure time) hours/day	24
ET_{16-26} (mutagenic exposure time) hours/day	24
ED_{res} (exposure duration) years	26
ED_{res-c} (exposure duration - child) years	6
ED_{res-a} (exposure duration - adult) years	20
ED_{0-2} (mutagenic exposure duration) years	2
ED_{2-6} (mutagenic exposure duration) years	4
ED_{6-16} (mutagenic exposure duration) years	10
ED_{16-26} (mutagenic exposure duration) years	10
BW_{res-c} (body weight - child) kg	15
BW_{res-a} (body weight - adult) kg	80
BW_{0-2} (mutagenic body weight) kg	15
BW_{2-6} (mutagenic body weight) kg	15
BW_{6-16} (mutagenic body weight) kg	80
BW_{16-26} (mutagenic body weight) kg	80
SA_{res-c} (skin surface area - child) cm^2/day	2373
SA_{res-a} (skin surface area - adult) cm^2/day	6032
SA_{0-2} (mutagenic skin surface area) cm^2/day	2373
SA_{2-6} (mutagenic skin surface area) cm^2/day	2373
SA_{6-16} (mutagenic skin surface area) cm^2/day	6032
SA_{16-26} (mutagenic skin surface area) cm^2/day	6032
EF_{res} (exposure frequency) days/year	350
EF_{res-c} (exposure frequency - child) days/year	350
EF_{res-a} (exposure frequency - adult) days/year	350
EF_{0-2} (mutagenic exposure frequency) days/year	350

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Default
Resident Soil Inputs

Variable	Value
EF_{2-6} (mutagenic exposure frequency) days/year	350
EF_{6-16} (mutagenic exposure frequency) days/year	350
EF_{16-26} (mutagenic exposure frequency) days/year	350
$IFS_{res-adj}$ (age-adjusted soil ingestion factor) mg/kg	36750
$IFSM_{res-adj}$ (mutagenic age-adjusted soil ingestion factor) mg/kg	166833.3
IRS_{res-c} (soil intake rate - child) mg/day	200
IRS_{res-a} (soil intake rate - adult) mg/day	100
IRS_{0-2} (mutagenic soil intake rate) mg/day	200
IRS_{2-6} (mutagenic soil intake rate) mg/day	200
IRS_{6-16} (mutagenic soil intake rate) mg/day	100
IRS_{16-26} (mutagenic soil intake rate) mg/day	100
AF_{res-a} (skin adherence factor - adult) mg/cm ^{2}	0.07
AF_{res-c} (skin adherence factor - child) mg/cm ^{2}	0.2
AF_{0-2} (mutagenic skin adherence factor) mg/cm ^{2}	0.2
AF_{2-6} (mutagenic skin adherence factor) mg/cm ^{2}	0.2
AF_{6-16} (mutagenic skin adherence factor) mg/cm ^{2}	0.07
AF_{16-26} (mutagenic skin adherence factor) mg/cm ^{2}	0.07
$DFS_{res-adj}$ (age-adjusted soil dermal factor) mg/kg	103390
$DFSM_{res-adj}$ (mutagenic age-adjusted soil dermal factor) mg/kg	428260
AT_{res} (averaging time - resident carcinogenic)	365
City (PEF Climate Zone) Selection	Default
A_c (PEF acres)	0.5
Q/C_{wind} (g/m^2-s per kg/m^3)	93.77
PEF (particulate emission factor) m ^{3}/kg	1359344438
A (PEF Dispersion Constant)	16.2302
B (PEF Dispersion Constant)	18.7762
C (PEF Dispersion Constant)	216.108
V (fraction of vegetative cover) unitless	0.5
U_m (mean annual wind speed) m/s	4.69
U_t (equivalent threshold value)	11.32
F(x) (function dependent on U_m/U_t) unitless	0.194
City (VF Climate Zone) Selection	Default
A_s (VF acres)	0.5

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Default
Resident Soil Inputs

Variable	Value
Q/C_{vol} (g/m^2-s per kg/m^3)	68.18
foc (fraction organic carbon in soil) g/g	0.006
p_b (dry soil bulk density) g/cm^3	1.5
p_s (soil particle density) g/cm^3	2.65
n (total soil porosity) L_{pore}/L_{soil}	0.43396
$Theta_a$ (air-filled soil porosity) L_{air}/L_{soil}	0.28396
$Theta_w$ (water-filled soil porosity) L_{water}/L_{soil}	0.15
T (exposure interval) s	819936000
A (VF Dispersion Constant)	11.911
B (VF Dispersion Constant)	18.4385
C (VF Dispersion Constant)	209.7845
d_s (depth of source) m	.
T_w (groundwater temperature) Celsius	25

Default

Resident Risk-Based Regional Screening Levels (RSL) for Soil

Key: I = IRIS; P = PPRTV; O = OPP; A = ATSDR; C = Cal EPA; X = PPRTV Screening Level; H = HEAST; D = OW; W = TEF applied; E = RPF applied; G = see user guide; U = user provided; ca = cancer; nc = noncancer; * = where: nc SL < 100X ca SL; ** = where nc SL < 10X ca SL; SSL values are based on DAF=1; max = ceiling limit exceeded; sat = Csat exceeded.

Chemical	CAS Number	Mutagen?	Volatile?	Chemical Type	SF_o (mg/kg-day)$^{-1}$	SF_o Ref	IUR (ug/m^3)$^{-1}$	IUR Ref	RfD (mg/kg-day)	RfD Ref	RfC (mg/m^3)	RfC Ref	GIABS	ABS
Benzo[a]pyrene	50-32-8	Yes	No	Organics	1.00E+00	I	6.00E-04	I	3.00E-04	I	2.00E-06	I	1	0.13

RBA	Soil Saturation Concentration (mg/kg)	S (mg/L)	K_{oc}\ (cm^3/g)	K_d\ (cm^3/g)	HLC (atm-m^3/mole)	Henry's Law Constant Used in Calcs (unitless)	H` and HLC Ref	Normal Boiling Point BP (K)	BP Ref	Critical Temperature T_C\ (K)	T_C\ Ref
1	-	1.62E-03	5.87E+05	-	4.57E-07	1.87E-05	PHYSPROP	768.15	PHYSPROP	969.27	EPA 2001 Fact Sheet

Chemical Type	D_{ia}\ (cm^2/s)	D_{iw}\ (cm^2/s)	D_A\ (cm^2/s)	Particulate Emission Factor (m^3/kg)	Volatilization Factor Unlimited Reservoir (m^3/kg)	Volatilization Factor Mass Limit (m^3/kg)	Volatilization Factor Selected (m^3/kg)	Ingestion SL TR=1E-05 (mg/kg)	Dermal SL TR=1E-05 (mg/kg)	Inhalation SL TR=1E-05 (mg/kg)
PAH	2.55E-02	6.58E-06	-	1.36E+09	-	-	-	1.53E+00	4.59E+00	2.30E+04

Carcinogenic SL TR=1E-05 (mg/kg)	Ingestion SL Child THQ=1 (mg/kg)	Dermal SL Child THQ=1 (mg/kg)	Inhalation SL Child THQ=1 (mg/kg)	Noncarcinogenic SL Child THI=1 (mg/kg)	Ingestion SL Adult THQ=1 (mg/kg)	Dermal SL Adult THQ=1 (mg/kg)	Inhalation SL Adult THQ=1 (mg/kg)	Noncarcinogenic SL Adult THI=1 (mg/kg)	Screening Level (mg/kg)
1.15E+00	2.35E+01	7.61E+01	2.84E+03	1.78E+01	2.50E+02	4.56E+02	2.84E+03	1.53E+02	1.15E+00 ca

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SOIL MANAGEMENT PLAN
BLOCK A, LEGENDS PARK

PARCEL ID 051017 00018
981 PEACH AVENUE
MEMPHIS, TENNESSEE 38105
TDEC DOR SITE ID: 79-846

EnSafe Project Number:
0888833486

Prepared for:

PennRose
675 Ponce de Leon Avenue NE, Suite 8500
Atlanta, Georgia 30308

And

Tennessee Department of Environment and Conservation
Division of Remediation, Memphis EFO
8383 Wolf Lake Drive
Bartlett, Tennessee 38133

May 2023

5724 Summer Trees Drive
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May 2023

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1.0 INTRODUCTION

EnSafe Inc. has been contracted by PennRose to complete the Soil Management Plan for the property at 981 Peach Avenue, Block A, Legends Park (Proposed Development Site) in Memphis, Tennessee (Site ID: 79-846). The Memphis Housing Authority (MHA) is the current owner but will be leasing the Proposed Development Site to Legends Park Senior LLC for construction of affordable senior housing.

The Proposed Development Site is under the Tennessee Department of Environment and Conservation (TDEC), Division of Remediation (DoR) Brownfield program (TDEC DOR #79-846). The Proposed Development Site consists of 3.8 acres of a larger 4.77-acre vacant parcel, identified as Shelby County Parcel 051017 00018, and is located within the 17.50-acre Legends Park North/West Site 79-846 ([LPNW Site], formerly a portion of the Dixie Homes Housing Development). The Proposed Development Site is included in the Brownfields Voluntary Agreement (BVA, for the LPNW Site), effective date September 9, 2010. The BVA identified various environmental conditions associated with the LPNWS including soils contaminated with polynuclear aromatic hydrocarbons (PAHs), which were buried and covered with a witness barrier and at least two feet of clean soil in the western portion of the Shelby County Parcel 051017 00018 (not within the Proposed Development Site boundaries).

The SMP is intended to assure that any excavated soil is screened, sampled, handled, transported, and disposed of (if necessary) in accordance with applicable federal, state, and local requirements/guidelines. The procedures detailed herein have been developed along with guidance from the TDEC DoR. EnSafe will implement this SMP, and observe, monitor, delineate, and document any soil removal (if warranted) across the Proposed Development Site during the Project construction activities..

1.1 Site Description

The 3.8-acres Proposed Development Site is vacant grass-covered land with no structures. Based on a review of historical resources and a Phase I Environmental Site Assessment (ESA) performed by EnSafe (dated September 21, 2022), the Proposed Development Site has been developed since at least 1897 with single- and multi-family residences and was part of the Dixie Homes public housing development from 1937 until the area was cleared for redevelopment as the Legends Park Subdivision in 2006. A former clothes cleaner and potential dry cleaner was identified at the Proposed Development Site in the 1921 city directory but no further information regarding operations at the cleaners was discovered.

The BVA was made and entered into by the MHA and four other entities, defined as the Voluntary Party, based on the presence of hydrocarbons and dry-cleaning solvents in soil gas and groundwater at the LPNW Site, which was identified as south (hydraulically upgradient) and west of the Proposed Development Site. The BVA instituted Land Use Restrictions on the LPNW Site, including the prohibition of water wells and use of groundwater on the property, the management of any discovered contaminated soils in accordance with a TDEC-approved soil management plan, and the installation of soil vapor mitigation systems for buildings constructed at the property. Additionally, PAH-impacted soils were used as geotechnical fill material on the west portion of Shelby County Parcel 051017 00018 (not within the Proposed Development Site boundaries). In accordance with BVA Site ID 79-846, to prevent exposure to the PAH contaminants, the soil is contained beneath an orange "witness barrier" (i.e., safety fencing) and at least two feet of clean fill material.

1.2 Investigation History

1.2.1 Phase II ESA

EnSafe completed a Phase II ESA at the Proposed Development Site in December 2021 to investigate potential soil, groundwater, and soil gas impacts associated with possible historical operations at the Proposed Development Site and surrounding area properties. Results are summarized below. Locations of exceedances for soil and soil gas are shown on Figure 1.

Soil

Samples were collected from five soil borings at two depths for analysis of volatile organic compounds (VOCs), PAHs, Resource Conservation and Recovery Act (RCRA) 8 Metals, and Extractable Petroleum Hydrocarbons (EPH). Analytical results for the soil samples were compared to the November 2021 U.S. EPA Regional Screening Levels (RSLs) for both residential and industrial land use with a lifetime target cancer risk of 1E-6 and a target hazard quotient of 0.1, and the September 2006 TDEC Department of Underground Storage Tanks (DUST) Initial Screening Levels (ISLs). Metals were also compared to the TDEC Hazardous Trace Elements in Tennessee Soils Background Levels ([TNSBL], TDEC 2001). TNSBLs are based on a statistical study of naturally occurring metals concentrations sampled throughout the state of Tennessee and are established by concentrations within the 75 percent quartile. Soil analytical results are shown in Table 1.

VOCs and EPH were not detected above screening levels in soil collected at the Proposed Development Site. A PAH (benzo(a)pyrene) exceeded its residential RSL in soil sampled from 4 to 8 feet below ground surface at the northeast corner of the Proposed Development Site (SB02). Arsenic and chromium concentrations in soil were above residential and/or industrial RSLs in all ten soil samples. Arsenic exceeded its TNSBL in one soil sample and chromium exceeded its

TNSBL in three soil samples. Though detected concentrations of arsenic and chromium in soil exceeded TNSBLs, the results are likely within the upper 25 percent quartile and are not statistically higher than the TNSBLs.

In March 2023, soil samples were collected by Tennessee-licensed asbestos inspectors in a grid pattern as shown on Figure 2. Twenty-four surface soil samples (0 to 1 foot below ground surface) were collected using hand auger techniques and wet methods. In the area where soil is being removed for construction (cut), twelve subsurface soil samples were also collected from the 1 to 3-foot interval using hand auger techniques. Soil samples were containerized, labeled, and preserved for submittal under chain-of-custody to two laboratories for analysis.

Samples for asbestos analysis were submitted to Crisp Analytical in Carrolton, Texas. Samples were analyzed using polarized light microscopy (PLM), Environmental Protection Agency (EPA) Method 600. Samples for lead analysis were submitted to Waypoint Analytical in Memphis, Tennessee. Samples were analyzed using EPA Method 6010.

Analytical results are provided for both analyses in Table 2. Asbestos was not detected in any of the soil samples collected. Only one soil sample (LEGSSB1103, 60.1 milligrams per kilogram) was slightly above the Tennessee background concentration for lead of 45 milligrams per kilogram. None of the samples exceeded the U.S. EPA residential Regional Screening Level for lead of 400 milligrams per kilogram. Based on the analytical results, no further action is required for lead and asbestos in site soil.

Additional soil samples were collected in April 2023. Samples were collected in a grid pattern as shown on Figure 2. Twenty-two surface soil samples (0 to 1 foot below ground surface [bgs]) were collected using hand auger techniques. In the area where soil is being removed for construction (cut), eleven subsurface soil samples were also collected from 1 to 3 feet, 3 to 4 feet, 4 to 5 feet, and/or 8 to 9 feet intervals using hand auger techniques. Soil samples were containerized, labeled, and preserved for submittal under chain-of-custody to Waypoint Analytical in Memphis, Tennessee. Soil samples were analyzed for VOCs, PAHs, and RCRA 8 metals. All detected VOCs were reported below their respective residential and industrial RSLs in the samples collected.

Concentrations of arsenic exceed both residential and industrial RSLs in all of the collected soil samples, except sample location SB43 at 3 to 4 feet which exceeded only the residential RSL. Arsenic concentrations at SB26 at 0-1 feet bgs, SB26 at 1-3 feet bgs, SB28 at 0-1 feet bgs, SB40 at 0-1 feet bgs, SB44 at 0-1 feet bgs, and SB46 at 0-1 feet bgs also exceeded the TDEC background

concentration of 10 milligrams per kilogram (mg/kg). Barium concentrations at SB25 at 1-3 feet bgs, SB28 at 0-1 feet bgs, SB35 at 8-9 feet bgs, and SB44 at 0-1 feet bgs were the only locations to exceed the TDEC background concentration of 144 mg/kg; however, all barium concentrations are below the residential and industrial RSLs. All cadmium concentrations are below the residential and industrial RSLs and TDEC background concentrations, except at SB28 at 0-1 feet bgs which exceeded the residential RSL and TDEC background concentration. Chromium concentrations exceeded the TDEC background concentration of 20 mg/kg at SB28 at 0-1 feet bgs and SB44 at 0-1 feet bgs; however, all chromium concentrations are below the residential and industrial RSLs. Lead concentrations exceeded the TDEC background concentration of 45 mg/kg at SB28 at 0-1 feet bgs, SB29 at 1-3 feet bgs, SB31 at 0-1 feet bgs, and SB41 at 0-1 feet bgs; however, all lead concentrations are below the residential and industrial RSLs. The concentration of mercury at SB28 at 0-1 feet bgs exceeded the TDEC background concentration of 0.18 mg/kg; however, all mercury concentrations are below the residential and industrial RSLs. The elevated metals concentrations appear to be primarily in the surficial soils with the highest concentrations detected in SB28 at 0-1 feet bgs as indicated on Figure 2.

Benzo(a)anthracene exceeded the residential RSL in soil samples collected at SB25 at 0-1 feet bgs, SB42 at 0-1 feet bgs, and SB42 at 1-3 feet bgs. Concentrations of benzo(a)pyrene (BaP) exceeded both residential and industrial RSLs in the soil sample collected from SB25 at 0-1 feet bgs and only the residential RSL in the soil samples collected from SB27 at 0-1 feet bgs, SB28 at 0-1 feet bgs, SB30 at 0-1 feet bgs, SB31 at 0-1 feet bgs, SB34 at 0-1 feet bgs, SB35 at 0-1 feet bgs, SB36 at 0-1 feet bgs, SB36 at 3-4 feet bgs, SB37 0-1 feet bgs, SB38 0-1 feet bgs, SB38 at 1-3 feet bgs, SB40 at 0-1 feet bgs, SB41 0-1 feet bgs, SB42 at 0-1 feet bgs, SB42 at 1-3 feet bgs, and SB43 at 0-1 feet bgs. Benzo(a)fluoranthene concentrations exceeding the residential RSL were collected from soil samples at SB25 at 0-1 feet bgs and SB42 at 1-3 feet bgs. Dibenz(a,h)anthracene concentrations exceed the residential RSL of 0.11 mg/kg at SB25 at 0-1 feet bgs, SB42 at 0-1 feet bgs, and SB42 at 1-3 feet bgs. All indeno(1,2,3-cd)pyrene concentrations are below the residential and industrial RSLs, except at SB25 at 0-1 feet bgs which exceeds the residential RSL. PAHs at the highest concentrations were detected in SB25 at 0-1 feet bgs.

Toxicity Equivalence Factors for BaP

Compound	TEF
Benzo(a)pyrene	1
Benzo(a)anthracene	0.1
Benzo(b)fluoranthene	0.1
Benzo(k)fluoranthene	0.01
Chrysene	0.001
Dibenz(a,h)anthracene	1
Indeno(1,2,3-cd)pyrene	0.1

Benzo(a)pyrene Data Evaluation

A comparison of the cumulative toxicity for the suite of detected PAHs was performed because not all PAHs have the same toxicity or ability to cause illness and adverse

health effects. The most toxic chemicals in the group are BaP and dibenz(a,h)anthracene. Because they are the most toxic, these PAHs are the standard by which other PAHs are assessed. To provide an overall assessment of the potential risks from the entire class of PAHs, a U.S. EPA-accepted toxicity equivalency factor (TEF) calculation was employed. The concentrations of other PAHs measured in the environment are converted to a BaP equivalent concentration based on how toxic they are relative to these two compounds. This is accomplished by multiplying their reported concentrations by their respective TEF values (listed to the right). These converted TEF concentrations are then summed to determine the BaP equivalency (BEQ) concentration for each sample. The BEQ results can then be assessed by comparing the calculated value against the TDEC Division of Remediation-provided residential BEQ soil screening value. The calculated BEQ results are shown on Table 3. The calculation of the residential BEQ screening level was provided by TDEC Division of Remediation via email on May 5, 2023. The BEQ results from the 35 soil samples across the Site were compared to the 1.15 mg/kg residential BEQ screening level. BEQ concentrations exceeded the 1.15 mg/kg screening level in three samples, SB25 from 0 to 1-foot bgs (3.605 mg/kg), SB42 from 0-1-foot bgs (1.681 mg/kg), and SB42 from 1 to 3 feet bgs (2.093 mg/kg). The two locations are shown on Figure 2.

Groundwater

Five temporary groundwater wells were sampled during the Phase II ESA in December 2021 for analysis of VOCs, PAHs, RCRA 8 Metals, and EPH. Groundwater analytical results were compared to the U.S. EPA RSLs for tap water with a lifetime target cancer risk of 1E-6 and a target hazard quotient of 0.1, U.S. EPA Maximum Contaminant Levels (MCLs), and TDEC ISLs and are shown in Table 4. VOCs, PAHs, RCRA 8 Metals, and EPH were not detected above screening levels in groundwater collected at the Proposed Development Site.

Soil Gas

Five soil gas samples were collected and analyzed for VOCs in December 2021. The soil gas analytical results were evaluated using the U.S. EPA vapor intrusion screening level (VISLs) for residential and commercial target sub-slab and near-source soil gas concentrations with a target lifetime carcinogenic risk of 10E-6 and a target noncarcinogenic hazard quotient of 0.1 and are shown in Table 5. Benzene and naphthalene were detected above residential and/or commercial VISLs in soil gas collected at the southeast corner of the Proposed Development Site (SG01).

Risk screening was performed using the U.S. EPA VISL Risk Calculator. Input parameters for the U.S. EPA VISL calculator included location-specific concentrations and default exposure assumptions for risk screening. TDEC generally requires response actions (which could include a vapor barrier,

mitigation system, monitoring, etc.) when risk is above 1E-05 and/or hazard is above 1.0. For the residential exposure scenario, carcinogenic risk ranged from 6.61E-07 to 1.20E-05, and hazard (non-carcinogenic risk) ranged from 0.00442 to 0.315. One soil gas location (SG01) exceeded the carcinogenic risk of 1E-05.

In February and March 2023, seven soil gas sampling points were advanced to 3-5 feet below the ground surface using a hammer drill in the proposed building footprint. Analytical results for the soil gas samples were compared to the November 2022 U.S. EPA Vapor Intrusion Screening Levels (VISL) for residential air. In accordance with TDEC guidance, detected chemicals were evaluated based on the cumulative target lifetime carcinogenic risk of 10E-6 and a target noncarcinogenic hazard quotient of 0.1. Laboratory detections for the soil gas samples are summarized in Table 6. Twenty-three VOCs were detected in soil gas sampled from the seven locations at the Site, and no VOCs were reported above U.S. EPA residential VISLs.

Risk screening was performed using the U.S. EPA VISL Risk Calculator. Input parameters for the U.S. EPA VISL calculator included location-specific concentrations and default exposure assumptions for risk screening; VISL risk outputs are summarized in Table 6. TDEC generally requires response actions (which could include a vapor barrier, mitigation system, monitoring, etc.) when risk is above 1E-05 and/or the hazard quotient is above 1.0. For the residential exposure scenario, carcinogenic risk ranged from 2.49E-10 to 2.38E-07 and the hazard quotient ranged from 0.00963 to 0.0386.

2.0 SOIL MANAGEMENT

EnSafe will be onsite during construction operations which may expose soil and soil gas at the localized areas of suspected contamination shown on Figure 2 and will designate these soils per the requirements listed below. PennRose, MHA, the Contractor, or a designee will notify EnSafe of when soil excavation will occur. If soil or other materials with olfactory indicators or other evidence of contamination are encountered during the construction operations in other areas of the Project, EnSafe will be notified immediately for possible sampling and segregation. Every effort shall be made to provide advance notice of these activities to EnSafe. EnSafe will screen, segregate, and sample the soil according to the procedures listed below.

2.1 Soil Screening and Segregation

As the Contractor is excavating and/or removing suspect soil, EnSafe will screen the soil at various specific locations based on the volume of soil excavated/removed. Screening will include measuring soil vapors with a photoionization detector (PID), visual observation (i.e., for staining, sheen, or other evidence of contamination), and/or examination for olfactory evidence of contamination. Results of soil screening will determine handling procedures for excavated soil. Excavated soil will be categorized by EnSafe as one of the following:

- Non-Impacted Soil (none of the above-mentioned detections)
- Category 1 Soil (suspected impacted soil)
- Category 2 Soil (impacted soil)

Criteria for segregation of soil into the above categories are detailed below. Handling of non-impacted soil will be determined by PennRose, MHA, the Contractor, and/or their designee after consultation with EnSafe. EnSafe will direct the Contractor to transport Category 1 Soil from the excavation area to the suspected impacted stockpile for future screening and sampling.

2.1.1 Non-Impacted Soil

Non-impacted soil is excavated soil that does not exhibit a visual observation (i.e., for staining, sheen, or other evidence of contamination), olfactory evidence of contamination, or elevated PID readings. EnSafe will serve on an on-call basis for the non-impacted soil and will be available to determine/discuss this type of soil upon notification by PennRose, MHA, the Contractor, and/or their designee.

2.1.2 Category 1 Suspected Impacted Soil

Category 1 Soil will be comprised of excavated soil that is suspected to be impacted. The soil delegated to the Category 1 stockpile will exhibit odor, visual evidence of contamination, or elevated PID readings. PID headspace measurements will also be collected as a screening technique. The characteristics of the excavated soil, in conjunction with the professional judgment of EnSafe, will be used to designate excavated soil as Category 1.

2.1.3 Category 2 Impacted Soil

Soil identified at SB28 and SB42 will be excavated and directly moved beneath the areas of hardscape to prevent worker and resident contact in the future. Soil identified at SB25 will be subject to a removal action. The SB25 soil will be direct loaded into dump trucks for transport and disposal at the permitted disposal facility assumed to be the Waste Management Tunica County Landfill in Robinsonville, Mississippi.

2.2 Suspected Impacted Stockpile Sampling

After field screening by EnSafe, excavated soil with evidence of contamination will be transported to the onsite stockpile area (location determined by PennRose, MHA, and/or the Contractor). The soil stockpile will be maintained by the Contractor (with assistance from EnSafe) and will be placed on plastic, covered with plastic during rain events, and properly bermed.

At designated times during the Project (when the stockpile has reached its capacity and a subsequent stockpile has been started, or when an area of soil contamination has been excavated), as determined by PennRose, MHA, the Contractor, and/or EnSafe, the excavated soil stockpile will be sampled. EnSafe will attempt to collect soil from the zone of highest suspected contamination within each designated stockpile. Stockpile sampling will be performed in order to determine whether stockpile soil will require offsite disposal at a permitted facility. The permitted facilities will likely be the Waste Management Tunica County Landfill (WM Tunica) in Robinsonville, Mississippi if characterized as nonhazardous, and the Chemical Waste Management Landfill (WM Emelle) in Emelle, Alabama if characterized as hazardous.

Soil stockpile screening and sampling will be performed by EnSafe, who will determine the number and location of field screening aliquots, as well as the number and location of stockpile soil samples to be collected for laboratory analysis. The total volume of the stockpile will be calculated and then divided by 10 to determine the number of screening samples. Samples will be collected across the entire stockpile for screening using a PID. Samples with the highest field screening results will be submitted for laboratory analysis. For stockpiles up to 60 cubic yards, one sample will be submitted

for laboratory analysis. For stockpiles from 60 to 240 cubic yards, two samples will be submitted for laboratory analysis. One additional sample will be collected from the stockpile for every additional 240 cubic yards. EnSafe will also consult with the disposal facility on the number of samples needed and if required, the regulatory authority.

2.3 Suspected Impacted Soil Stockpile Handling and Disposal

Results of the laboratory analysis of stockpile soil samples will determine soil stockpile handling and/or disposal procedures. Following receipt and review of the laboratory analytical report, EnSafe will notify PennRose, MHA, the Contractor, and/or their designee of the sample results and handling/disposal requirements for each stockpile.

In accordance with TDEC-DoR requirements, petroleum contamination will be compared to the TDEC DUST ISLs. All other contamination will be compared to the U.S. EPA RSLs for Residential Soil. If the laboratory results of the stockpile soil samples are reported below the RSLs, then the stockpiled soil will be managed as non-impacted soil. If the laboratory results of the stockpile soil samples are reported above the RSLs as listed below, then EnSafe will coordinate with WM to determine if disposal at the WM Tunica Landfill in Robinsonville, Mississippi, is appropriate, if the soil requires disposal as hazardous waste at the WM landfill in Emelle, Alabama, or if some other means of treatment and/or disposal is appropriate. Depending on volume of soil excavated, additional suspected impacted soil (Category 1) may be moved under Site hardscape.

As required for landfill disposal, a waste profile will be prepared by EnSafe, signed by the generator (in this case, Legends Park Senior LLC or MHA) or generator's designee, and submitted to Waste Management. Following approval of the waste profile, EnSafe will coordinate preparation of manifests for each truckload of soil transported offsite for disposal. Please note that non-impacted soils do not require a manifest for offsite transport/disposal.

2.4 Fill Material Sampling

If fill material is brought onsite, a sample will be collected for laboratory analysis by EnSafe in accordance with the procedures in Section 3 before it is transported to the site. The sample will be a composite to represent the volume of fill material required onsite.

3.0 SAMPLE COLLECTION AND MANAGEMENT

Soil samples will be collected using a decontaminated stainless-steel (or disposable plastic) spoon, scoop, or another sampling device. Clean, disposable, nitrile gloves shall be worn during the collection of each sample. The sample shall be immediately packed tightly into laboratory-prepared sample jars leaving as few voids as possible, then labeled, and stored on bagged, wet ice inside a cooler for subsequent overnight shipment or hand delivery to the analytical laboratory. The analytical laboratory will likely be Waypoint Analytical Inc. (Waypoint) of Memphis, Tennessee.

All samples will be maintained under strict chain-of-custody procedures. The chain-of-custody record will be maintained and completed by EnSafe and will remain with the samples until received at the laboratory. The samples and chain-of-custody form(s) will be either hand-delivered or shipped via overnight delivery to the designated laboratory. Soil samples will be analyzed for VOCs by Method 8260B, RCRA 8 Metals by Method 6010C, and TN EPH by the TN EPH Method.

PennRose, MHA, and/or the Contractor will direct EnSafe regarding turnaround times for samples throughout the project. Prior notification to the laboratory will be required for samples submitted for expedited analysis.

All sampling locations will be flagged or staked at the time of sample collection (where practical) and documented on site drawings. The Contractor will be apprised of the locations of these markers to assure (if possible) that they are not damaged by construction equipment.

3.1 Sample Collection Procedures

- The sampler will don a clean pair of protective gloves before collecting each soil sample.
- Samples will be collected with either disposable sampling devices or decontaminated stainless-steel or Teflon devices. All sampling equipment will be decontaminated before use.
- Pre-cleaned sample containers will be provided by the analytical laboratory.
- Sample jars will be filled to the shoulder with as few void spaces as possible and capped immediately to minimize volatilization.
- Sample jars will then be labeled, surrounded by bubble wrap to minimize, placed in a re-sealable bag, and placed on ice in the designated sample cooler.

- Samples exhibiting obvious visual or olfactory contamination will be separated from the samples not exhibiting such evidence.

3.2 Sample Labeling and Custody

Samples collected for laboratory analysis will be identified with a printed label containing the following information:

- Site name and location
- Date and time of sample collection
- Type of analysis to be performed
- Preservation
- Sample identification number

Sample chain-of-custody procedures will begin at the time the sample is containerized and labeled, and this procedure will continue through transport, sample receipt, preparation, analysis and storage, data generation and reporting, and sample disposal. Records of sample custody will be maintained in the field logs, project file(s), and laboratory records. EnSafe will use chain-of-custody forms for transferring samples to the laboratory. Upon transfer of custody, the form will be signed by a member of EnSafe sampling team, who will record the date and time the samples were relinquished. Laboratory staff will then sign the chain of custody which will acknowledge the transfer of custody from EnSafe sampler to the laboratory.

3.3 Decontamination Procedures

All sampling activities will be conducted in a manner designed to reduce the potential for cross-contamination. Sampling equipment will be decontaminated prior to arrival onsite and between each use. Decontamination procedures will include a laboratory-grade detergent (Liquinox) wash and a distilled/deionized water rinse. Once washed, the equipment will be set aside to air dry. In lieu of this decontamination procedure, plastic disposable equipment may be used.

Decontamination of equipment will be conducted using the following steps:

1. Clean with distilled/deionized water and Liquinox, using a brush if necessary to remove particulate matter and surface films.

2. Rinse thoroughly with tap water.

3. Rinse thoroughly with distilled/deionized water.

4. Remove the equipment from the decontamination area, allow to dry, then wrap in plastic or aluminum foil as required.

4.0 NOTIFICATION, DOCUMENTATION, AND REPORTING

4.1 Notification

Upon receipt of laboratory analytical results, EnSafe will review the analytical data. If petroleum contamination is identified, the results will be compared to the TDEC DUST ISLs. For all other contamination, the results will be compared to the U.S. EPA RSLs. PennRose, MHA, and/or the Contractor will then be notified if soil concentrations exceed these above-mentioned thresholds. Following notification to PennRose and MHA, and in accordance with TDEC requirements, TDEC DoR will be notified by telephone (and/or email) of any laboratory analytical results that exceed these above-mentioned thresholds.

TDEC DoR will be notified of the sample type, location, concentrations detected, and recommended action to be taken (if any). The notification will be made to the TDEC DoR Case Manager, Alison Campany, by phone, fax, and/or email:

Tennessee Department of Environment and Conservation
Division of Remediation, Memphis Environmental Field Office (EFO)
8383 Wolf Lake Drive
Bartlett, Tennessee 38133
Phone: 901-371-3000
Fax: 901-371-3170

4.2 Documentation

Field sampling activities will be documented daily in a project field log. The project field log, copies of chain-of-custody records, copies of laboratory analytical reports, and drawings depicting sample locations will be maintained at the Proposed Development Site and/or EnSafe's office.

4.3 Reporting

At the direction and discretion of PennRose or MHA, periodic reports will be completed by EnSafe and submitted to PennRose, MHA, and/or Contractor. The content of the report will be determined by PennRose or MHA and may include documentation of areas sampled, a summary of analytical findings, a discussion of areas currently under oversight of EnSafe, and stockpile status, sampling, and transport/disposal performed to date. The report may also document the location of impacted soil under hardscape that remains onsite.

Following completion of the Project, EnSafe will compile a report of activities performed, including daily project field logs, drawings depicting stockpile sample locations and any other onsite samples collected, analytical laboratory reports for all samples collected, any periodic reports (if completed),

stockpile documentation, final soil cover, and soil disposal records (including waste profiles and manifests). This report will be submitted to TDEC DoR.

4.4 Land Use Restriction

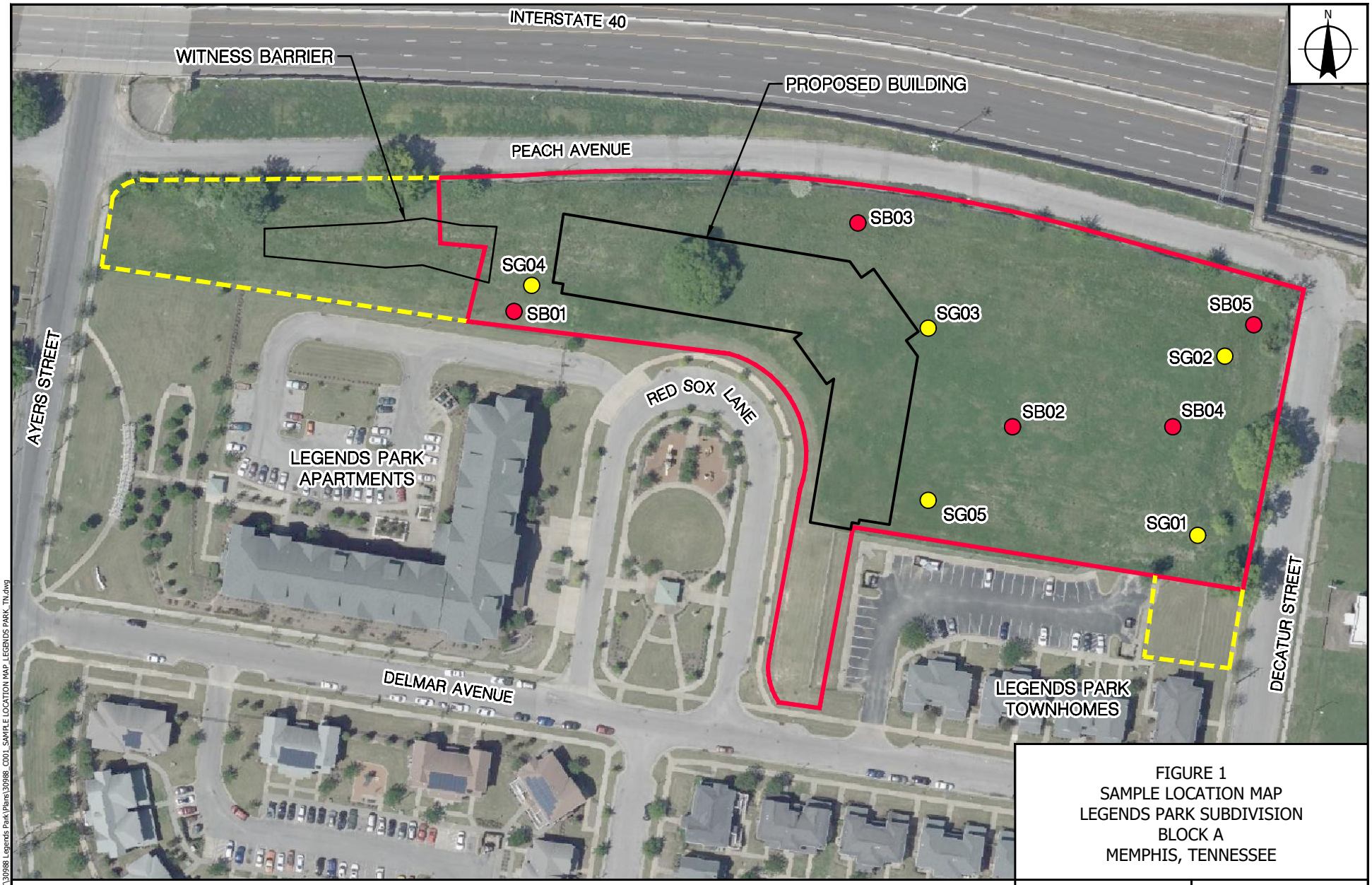
It is anticipated that a Notice of Land Use Restriction will be placed on the property deed. The installation of shallow wells and use of onsite groundwater at the Proposed Development Site is prohibited, except for environmental monitoring and remediation. Following construction of the primary building, any additional building(s) or building expansion will require evaluation of potential vapor intrusion. The evaluation will be shared with TDEC. If warranted , a vapor mitigation system will be proposed and approved by TDEC. Following system installation, verification sampling and reporting will be conducted.

4.5 Certification Statement

I certify under penalty of law, including but not limited to penalties for perjury, that this document and all attachments were prepared by me or under my direction or supervision. The submitted information contained in this document and on any attachment is true, accurate, and complete to the best of my knowledge, information, and belief. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for intentional violation. As specified in Tennessee Code Annotated § 39-16-702(a)(4), this declaration is made under penalty of perjury.

Allison L. Harris
Professional Geologist
Tennessee License No. 788

Attachment A
Figures



I:\CAD PROJECTS\HOCONT\30988 Legends Park\Plans\30988_C001_SAMPLE LOCATION MAP_LEGENDS PARK_TN.dwg

LEGENDS

- SOIL GAS SAMPLE LOCATION
- SOIL BORING/TEMPORARY MONITORING WELL SAMPLE LOCATION
- SUBJECT PROPERTY/REDUCED PARCEL BOUNDARY
- REMAINING PARCEL BOUNDARY

NAD 1983 STATE PLANE TENNESSEE FEET

0 60 120

SCALE IN FEET

FIGURE 1
SAMPLE LOCATION MAP
LEGENDS PARK SUBDIVISION
BLOCK A
MEMPHIS, TENNESSEE

REQUESTED BY:	CK
DRAWN BY:	CC
DATE:	12/17/2021
PROJECT:	0888830988

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INTERSTATE 40E
R.O.W

PEACH AVENUE
(R.O.W VARIES)

42" OAK

36" TREE

C.O.S A
38,470 SF
0.883 AC

SB41 SB42 SB37 SB36 SB29 SB28 SB43 SB38 SB35 SB30 SB27 SB40 SB34 SB39 SB31 SB26 SB32 SB33 SB25 SB44 SB45 SB46

DECATUR STREET
(65' R.O.W.)

AVERS STREET
(60' R.O.W.)

REDSOX LANE WEST (50' R.O.W.)

REDSOX LANE EAST (50' R.O.W.)

C.O.S B
5,749.92 SF
0.132 AC

MEMPHIS HOUSING AUTHORITY
SUBDIVISION:
LEGENDS PARK PD PH 5
BLOCK B
PLAT AND BOOK PAGE: 250-024
ZONING: EXEMPT
LAND USE: VACANT LAND

MEMPHIS HOUSING AUTHORITY
SUBDIVISION: LEGENDS PARK
PD PH 5 BLOCK X
PLAT AND BOOK PAGE: 250-024
ZONING: EXEMPT
LAND USE: VACANT LAND

MEMPHIS HOUSING AUTHORITY
SUBDIVISION: LEGENDS PARK
PD PH 1
PLAT AND BOOK PAGE: 249-031
ZONING: EXEMPT
LAND USE: APARTMENT
COMPLEX

DELMAR AVENUE
(60' R.O.W.)

MEMPHIS HOUSING AUTHORITY
SUBDIVISION: LEGENDS PARK
PD OUTLINE PLAN
PLAT AND BOOK PAGE: 249-031
ZONING: EXEMPT
LAND USE: APARTMENT
COMPLEX

MEMPHIS HOUSING AUTHORITY
SUBDIVISION: LEGENDS PARK
PD OUTLINE PLAN
PLAT AND BOOK PAGE: 249-031
ZONING: EXEMPT
LAND USE: APARTMENT
COMPLEX

CUT/FILL TABLE

Number	Minimum Elevation	Maximum Elevation	Area	Color	CUT/FILL
1	-8.27	-6.00	0.15		11742.94
2	-6.00	-4.00	0.24		9616.95
3	-4.00	-2.00	0.39		8678.50
4	-2.00	0.00	1.05		6790.08
5	0.00	2.00	1.12		2267.63
6	2.00	4.00	0.23		423.46
7	4.00	6.00	0.07		123.10
8	6.00	6.15	0.00		0.12

LEGEND

- SURFACE (0-1 FT) AND 1-3 FT SAMPLE LOCATION
- SURFACE (0-1 FT) SAMPLE LOCATION ONLY
- SURFACE (0-1 FT) AND 3-4 FT SAMPLE ONLY
- SURFACE (0-1 FT), 4-5 FT, AND 8-9 FT SAMPLE LOCATION
- FT FEET
- EXCEEDED THE BEQ SCREENING LEVEL
- EXCEEDED BACKGROUND AND RESIDENTIAL RSL FOR ARSENIC AND CHROMIUM

NAD83 STATE PLANE
TENNESSEE FEET

0 20 40
SCALE IN FEET

FIGURE 2
EXCEEDANCE LOCATIONS IN SOIL
EDGEVIEW AT LEGENDS PARK, BLOCK A
MEMPHIS, TENNESSEE

REQUESTED BY:	AH
DRAWN BY:	KMB
DATE:	5/10/2023
PROJECT:	0888835278

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I:\CAD PROJECTS\Personnel\35278 Legends Park\Plans\35278_R001_SAMPLE_EXCEEDVIEW_TN.dwg

Attachment B
Tables

Table 1
Detected Concentrations in Soil,Phase II ESA (EnSafe December 2021)
Block A, Legends Park Subdivision, Memphis, Tennessee

Analyte	Res RSL (a)	Ind RSL (b)	ISL (c)	TN BKG (d)	SB01		SB02		SB03		SB04		SB05	
					16-20	24-28	4-8	28-32	12-16	24-28	16-20	28-32	16-20	28-32
RCRA 8 Metals														
Arsenic	0.68	3	NE	10	**2.19 a**	**1.56 a**	**8.87 ab**	**4.53 ab**	**8.48 ab**	**2.66 Ja**	**9.41 ab**	**6.51 ab**	**10.1 abd**	**2.46 a**
Barium	1500	22000	NE	144	31.1	41.1	118	84.2	138	73.3	67.2	61.9	59.5	51.1
Cadmium	0.71	10	NE	1.0	—	—	0.146	—	0.113 J	—	0.421	0.0371 J	0.358	—
Chromium	0.3	6.3	NE	20	**14.7 ab**	**16.5 ab**	**12.5 ab**	**20.2 abd**	**15.0 ab**	**26.3 abd**	**12.4 ab**	**23.0 abd**	**14.4 ab**	**14.9 ab**
Lead	400	800	NE	45	5.51	5.33	14.3	6.12	10.4	8.96	6.77	10.3	8.03	7.97
Mercury	1.1	4.6	NE	0.18	0.0211	0.0227	0.0955	0.0503	0.0239	0.0174 J	0.0209	—	0.0198	0.0392
Silver	39	580	NE	1.2	—	—	—	—	—	—	0.224 J	—	—	—
Volatile Organic Compounds														
Acetone	7000	110000	NE	NE	—	—	0.0224 J	—	0.0192 J	—	0.0156 J	—	0.161	—
Benzene	1.2	5.1	0.0729	NE	0.0008 J	—	0.0009 J	—	—	—	0.0038	—	0.0234	—
Butylbenzene, n-	390	5800	NE	NE	—	—	—	—	—	—	—	—	0.0026	—
Ethylbenzene	5.8	25	143	NE	0.0012 J	—	0.0010 J	—	—	—	0.0049	—	0.0277	—
Isopropylbenzene	190	990	NE	NE	—	—	—	—	—	—	—	—	0.0027	—
Methyl Ethyl Ketone	2700	19000	NE	NE	—	—	—	—	—	—	—	—	0.0272 J	—
Toluene	490	4700	6.78	NE	—	—	—	—	—	—	0.0098	—	0.0618	—
Trimethylbenzene, 1,2,4-	30	180	NE	NE	0.0010 J	—	0.0010 J	—	—	—	0.0025 J	—	0.0154	—
Xylene, m,p-	56	240	NE	NE	—	—	—	—	—	—	0.0055	—	0.0319	—
Xylene, o-	64	280	NE	NE	—	—	—	—	—	—	0.0022 J	—	0.0128	—
Xylene (Total)	58	250	9.6	NE	—	—	—	—	—	—	0.0077 J	—	0.0448	—
Polynuclear Aromatic Hydrocarbons														
Acenaphthene	360	4500	NE	NE	—	—	0.00364	—	—	—	—	—	—	—
Acenaphthylene	NE	NE	NE	NE	—	—	0.00570	—	—	—	—	—	—	—
Anthracene	1800	23000	NE	NE	—	—	0.0138	—	—	—	—	—	—	—
Benzo(a)anthracene	1.1	21	NE	NE	—	—	0.0971	—	—	—	—	—	—	—
Benzo(a)pyrene	0.11	2.1	NE	NE	—	—	**0.126 a**	0.000478 J	—	—	—	—	—	—
Benzo(b)fluoranthene	1.1	21	NE	NE	—	—	0.121	0.000375 J	—	—	—	—	—	—
Benzo(g,h,i)perylene	NE	NE	NE	NE	—	0.000877	0.0717	0.00128	0.000950	0.000686 J	0.000684 J	0.000972	0.000882	0.000609 J
Benzo(k)fluoranthene	11	210	NE	NE	—	—	0.0408	—	—	—	—	—	—	—
Chrysene	110	2100	NE	NE	—	—	0.109	—	—	—	—	—	—	—
Dibenz(a,h)anthracene	0.11	2.1	NE	NE	—	—	0.0190	—	—	—	—	—	—	—
Fluoranthene	240	3000	NE	NE	—	—	0.196	—	—	—	—	—	—	—
Fluorene	240	3000	NE	NE	—	—	0.00380	—	—	—	—	—	—	—
Indeno(1,2,3-cd)pyrene	1.1	21	NE	NE	—	—	0.0669	0.000883	—	—	—	—	—	—
Methylnaphthalene, 2-	24	300	NE	NE	—	—	0.000876	—	—	—	—	—	—	—
Naphthalene	2	8.6	135	NE	—	—	0.00116	—	—	—	—	—	—	—
Phenanthrene	NE	NE	NE	NE	—	—	0.0693	—	—	—	—	—	—	—
Pyrene	180	2300	NE	NE	—	—	0.171	—	—	—	—	—	—	—
Extractable Petroleum Hydrocarbons														
Diesel Range Organics	NE	NE	NE	NE	—	—	3.78 J	—	—	—	—	—	—	—
Oil Range Organics	NE	NE	NE	NE	4.88	—	7.39	4.77	—	—	6.45	5.24	—	—
Extractable Petroleum Hydrocarbons (Total)	NE	NE	500	NE	4.88	—	11.2 J	4.77	—	—	6.45	5.24	—	—

Notes:
All results are milligrams per kilogram (mg/kg) or parts per million (ppm).
December 2021 analytical results were collected by EnSafe and are summarized in the *Phase II Environmental Site Assessment Report, Block A, Legends Park Subdivision, Memphis, Tennessee* , dated December 30, 2021.
U.S. EPA = United States Environmental Protection Agency
TDEC = Tennessee Department of Environment and Conservation
RCRA = Resource Conservation and Recovery Act
Res RSL = U.S. EPA Regional Screening Level for Residential Soil, hazard quotient = 0.1 (November 2021)
Ind RSL = U.S. EPA Regional Screening Level for Industrial Soil, hazard quotient = 0.1 (November 2021)
ISL = Tennessee Underground Storage Tank System Assessment Closure Initial Screening Levels for Residential Soil (September 2006)
TN BKG = Background Hazardous Trace Elements in Tennessee Soils, TDEC Report of Investigation No 49 (2001)
NE = Not Established
— = Not Detected
J = Estimated
a = exceeds Res RSL
b = exceeds Ind RSL
c = exceeds ISL
d = exceeds TN BKG

Table 2
Asbestos and Lead Soil Sample Results (EnSafe March 2023)
Edgeview at Legends Park
Memphis, Tennessee

Sample ID	Asbestos	Lead
LEGSSBO1-01	Not Detected	26.1
LEGSSBO1-03	Not Detected	20.6
LEGSSBO2-01	Not Detected	32.3
LEGSSBO2-03	Not Detected	11.4
LEGSSBO3-01	Not Detected	16.1
LEGSSBO3-03	Not Detected	25.8
LEGSSBO4-01	Not Detected	18.3
LEGSSBO4-03	Not Detected	26.4
LEGSSBO5-01	Not Detected	31.4
LEGSSBO5-03	Not Detected	17.6
LEGSSBO6-01	Not Detected	33.2
LEGSSBO7-01	Not Detected	24.8
LEGSSBO8-01	Not Detected	23.5
LEGSSBO9-01	Not Detected	23.3
LEGSSBO9-03	Not Detected	20.1
LEGSSB10-01	Not Detected	31.9
LEGSSB1O-03	Not Detected	19.9
LEGSSB11-01	Not Detected	28.2
LEGSSB11-03	Not Detected	**60.1**
LEGSSB12-01	Not Detected	39.4
LEGSSB13-01	Not Detected	43.8
LEGSSB14-01	Not Detected	28.4
LEGSSB14-03	Not Detected	26.2
LEGSSB15-01	Not Detected	31.8
LEGSSB16-01	Not Detected	29.7
LEGSSB17-01	Not Detected	18.6
LEGSSB17-03	Not Detected	37.8
LEGSSB18-01	Not Detected	24.3
LEGSSB19-01	Not Detected	41.4
LEGSSB20-01	Not Detected	39.0
LEGSSB20-03	Not Detected	22.9
LEGSSB21-01	Not Detected	6.07
LEGSSB22-01	Not Detected	38.9
LEGSSB23-01	Not Detected	23.9
LEGSSB24-01	Not Detected	12.0
LEGSSB24-03	Not Detected	15.5
Residential RSL	**NE**	**400**
TN BKG	**NE**	**45**

Notes:

All lead results are in milligrams per kilogram (mg/kg) or parts per million (ppm).

RSL - U.S. Environmental Protection Agency Regional Screening Results (November 2022)

Bold indicates an exceedance of the Tennessee background concentration for lead.

TN BKG = Background Hazardous Trace Elements in Tennessee Soils, TDEC Report of Investigation No 49 (2001)

NE = Not Established

Table 3
Detected Concentrations of VOCs, PAHs and RCRA 8 Metals in Soil (EnSafe 2023)
Edgeview at Legends Park, Block A
Memphis, TN

					Sample Location:	SB25	SB25	SB26	SB26	SB27	SB28	SB29	SB29	SB30	SB31	SB32	SB33	SB33	SB34	SB34	SB34	SB35	SB35	SB35
					Sample ID:	LEGSSB25-01	LEGSSB25-03	LEGSSB26-01	LEGSSB26-03	LEGSSB27-01	LEGSSB28-01	LEGSSB29-01	LEGSSB29-03	LEGSSB30-01	LEGSSB31-01	LEGSSB32-01	LEGSSB33-01	LEGSSB33-03	LEGSSB34-01	LEGSSB34-05	LEGSSB34-09	LEGSSB35-01	LEGSSB35-05	LEGSSB35-09
					Sample Date:	04/20/2023	04/20/2023	04/20/2023	04/20/2023	04/20/2023	04/20/2023	04/20/2023	04/20/2023	04/20/2023	04/20/2023	04/20/2023	04/20/2023	04/20/2023	04/20/2023	04/20/2023	04/20/2023	04/20/2023	04/20/2023	04/20/2023
					Matrix:	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil
					Depth (ft):	1.0	3.0	1.0	3.0	1.0	1.0	1.0	3.0	1.0	1.0	1.0	1.0	3.0	1.0	5.0	9.0	1.0	5.0	9.0
Method	**CAS No.**	**Analyte**	**RSL Industrial Soil (a)**	**RSL Residential Soil (b)**	**TN BKG Value (c)**	**Units**																		
SW6010	7440-38-2	**Arsenic**	**3**	**0.68**	**10**	mg/kg	**7.68 ab**	**9.73 ab**	**10.2 abc**	**10.7 abc**	**8.7 ab**	**31 abc**	**7.75 ab**	**7.13 ab**	**6.76 ab**	**7.58 ab**	**8.19 ab**	**9.47 ab**	**7.84 ab**	**8.97 ab**	**7.62 ab**	**7.27 ab**	**8.38 ab**	**7.09 ab**	**9.82 ab**
SW6010	7440-39-3	**Barium**	22000	1500	**144**	mg/kg	**116**	**147 c**	**135**	**142**	**137**	**357 c**	**117**	**97**	**111**	**131**	**102**	**104**	**122**	**124**	**111**	**141**	**124**	**120**	**145 c**
SW6010	7440-43-9	**Cadmium**	10	**0.71**	**1**	mg/kg	**0.551**	**0.474**	**0.57**	**0.571**	**0.469**	**1.7 bc**	**0.436**	**0.334**	**0.334**	**0.39**	**0.385**	**0.415**	**0.397**	**0.485**	**0.404**	**0.378**	**0.438**	**0.387**	**0.659**
SW6010	7440-47-3	**Chromium**	NE	NE	**20**	mg/kg	**14.4**	**13.6**	**14.6**	**15.7**	**13.7**	**49.1 c**	**15.1**	**14.5**	**15.2**	**13.7**	**15.1**	**15.4**	**13.5**	**14**	**15.2**	**14.6**	**14.6**	**16**	**16.6**
SW6010	7439-92-1	**Lead**	800	400	**45**	mg/kg	**26**	**11.2**	**35.5**	**13.9**	**20.3**	**139 c**	**22.4**	**78 c**	**39.7**	**60.6 c**	**23.3**	**17.4**	**26.9**	**33.3**	**21**	**42.9**	**28.3**	**34.8**	**19.8**
SW6010	7782-49-2	Selenium	580	39	1.2	mg/kg	2.96 U	3.17 U	2.99 U	3.21 U	3.03 U	9.36 U	0.608 U	0.62 U	**0.481 J**	0.598 U	0.628 U	0.6 U	0.609 U	**0.472 J**	0.598 U	0.607 U	0.593 U	0.611 U	0.632 U
SW6010	7440-22-4	Silver	580	39	1.2	mg/kg	0.296 U	0.317 U	0.299 U	0.321 U	0.303 U	0.936 U	1.52 U	1.55 U	1.54 U	1.5 U	1.57 U	1.5 U	1.52 U	1.5 U	1.5 U	1.52 U	1.48 U	1.53 U	1.58 U
SW7471	7439-97-6	**Mercury**	4.6	1.1	**0.18**	mg/kg	**0.0633 J**	**0.0305 J**	**0.0738 J**	**0.0327 J**	**0.0854 J**	**0.333 J c**	**0.125 J**	**0.0811 J**	**0.0924 J**	**0.178 J**	**0.057 J**	**0.0687 J**	**0.076 J**	**0.0957 J**	**0.0825 J**	**0.0735 J**	**0.0848 J**	**0.0651 J**	**0.0508 J**
SW8260	95-63-6	1,2,4-trimethylbenzene	180	30	NE	mg/kg	0.0023 U	0.0025 U	0.0028 U	0.0025 U	0.0024 U	0.0085 U	0.0024 U	0.0024 U	0.0024 U	0.0025 U	0.0025 U	0.0024 U	0.0025 U	0.0024 U	0.0023 U	0.0028 U	0.0023 U	0.0024 U	**0.0026**
SW8260	78-93-3	2-Butanone (MEK)	19000	2700	NE	mg/kg	**0.0057 J**	**0.0073 J**	**0.0274 J**	**0.0088 J**	**0.0177 J**	**0.0636 J**	**0.0104 J**	0.0496 U	**0.0197 J**	**0.0064 J**	**0.007 J**	**0.0064 J**	**0.0174 J**	**0.011 J**	0.0479 U	**0.0054 J**	**0.014 J**	0.0489 U	**0.0051 J**
SW8260	67-64-1	Acetone	110000	7000	NE	mg/kg	**0.0762**	**0.0557**	**0.204**	**0.0577**	**0.23**	**0.581**	**0.106**	**0.0419 J**	**0.171**	**0.0919**	**0.111**	**0.0773**	**0.175**	**0.111**	**0.0411 J**	**0.0619**	**0.157**	**0.0354 J**	**0.0461 J**
SW8260	71-43-2	Benzene	5.1	1.2	NE	mg/kg	0.0023 U	0.0025 U	0.0028 U	0.0025 U	0.0024 U	0.0085 U	0.0024 U	0.0024 U	0.0024 U	0.0025 U	0.0025 U	0.0024 U	0.0025 U	0.0024 U	0.0023 U	0.0028 U	0.0023 U	0.0024 U	**0.005**
SW8260	75-15-0	Carbon disulfide	350	77	NE	mg/kg	0.0118 U	0.0126 U	0.0143 U	0.0128 U	0.0121 U	**0.0265 J**	**0.0107 J**	**0.0107 J**	**0.0088 J**	**0.0188**	**0.0462**	**0.0154**	**0.0144**	**0.0164**	**0.0259**	0.014 U	**0.0194**	**0.0071 J**	**0.0085 J**
SW8260	100-41-4	Ethylbenzene	25	5.8	NE	mg/kg	0.0023 U	0.0025 U	0.0028 U	0.0025 U	0.0024 U	0.0085 U	0.0024 U	0.0024 U	0.0024 U	0.0025 U	0.0025 U	0.0024 U	0.0025 U	0.0024 U	0.0023 U	0.0028 U	0.0023 U	0.0024 U	**0.0042**
SW8260	179601-23-1	m,p-Xylene	NE	NE	NE	mg/kg	0.0047 U	0.005 U	0.0057 U	0.0051 U	0.0048 U	0.0171 U	0.0048 U	0.0049 U	0.0049 U	0.005 U	0.005 U	0.0048 U	0.0051 U	0.0048 U	0.0047 U	0.0056 U	0.0047 U	0.0048 U	**0.0047 J**
SW8260	95-47-6	o-Xylene	280	64	NE	mg/kg	0.0023 U	0.0025 U	0.0028 U	0.0025 U	0.0024 U	0.0085 U	0.0024 U	0.0024 U	0.0024 U	0.0025 U	0.0025 U	0.0024 U	0.0025 U	0.0024 U	0.0023 U	0.0028 U	0.0023 U	0.0024 U	**0.0017 J**
SW8260	135-98-8	sec-Butylbenzene	12000	780	NE	mg/kg	0.0023 U	0.0025 U	0.0028 U	0.0025 U	0.0024 U	0.0085 U	0.0024 U	0.0024 U	0.0024 U	0.0025 U	0.0025 U	0.0024 U	0.0025 U	0.0024 U	0.0023 U	0.0028 U	0.0023 U	0.0024 U	0.0025 U
SW8260	108-88-3	Toluene	4700	490	NE	mg/kg	0.0047 U	0.005 U	0.0057 U	0.0051 U	0.0048 U	0.0171 U	0.0048 U	0.0049 U	0.0049 U	0.005 U	0.005 U	0.0048 U	0.0051 U	0.0048 U	0.0047 U	0.0056 U	0.0047 U	0.0048 U	**0.0104**
SW8260	1330-20-7	Xylene (Total)	250	58	NE	mg/kg	0.0023 U	0.0025 U	0.0028 U	0.0025 U	0.0024 U	0.0085 U	0.0024 U	0.0024 U	0.0024 U	0.0025 U	0.0025 U	0.0024 U	0.0025 U	0.0024 U	0.0023 U	0.0028 U	0.0023 U	0.0024 U	**0.0064 J**
SW8270SIM	91-57-6	2-Methylnaphthalene	300	24	NE	mg/kg	**0.14**	0.00255 U	**0.00914**	0.00258 U	**0.00719**	**0.019**	**0.00299**	0.00249 U	**0.00604**	**0.0222**	**0.0026**	**0.00315**	0.00245 U	**0.00623**	**0.00375**	**0.00614**	**0.00929**	**0.00349**	0.00254 U
SW8270SIM	83-32-9	Acenaphthene	4500	360	NE	mg/kg	**0.755**	**0.000396 J**	**0.00417**	0.00086 U	**0.0706**	**0.0106**	**0.00105**	**0.00144**	**0.00566**	**0.0473**	**0.0033**	**0.00615**	**0.00205**	**0.00776**	**0.00526**	**0.0055**	**0.0105**	**0.00255**	**0.00265**
SW8270SIM	208-96-8	Acenaphthylene	NE	NE	NE	mg/kg	**0.0185**	0.000849 U	**0.00321**	**0.003**	**0.00759**	**0.021**	**0.00585**	**0.00387**	**0.0154**	**0.0273**	**0.0187**	**0.0104**	**0.00297**	**0.00863**	**0.00381**	**0.00896**	**0.0129**	**0.0137**	**0.00295**
SW8270SIM	120-12-7	Anthracene	23000	1800	NE	mg/kg	**1.35**	**0.00103**	**0.0112**	**0.00121**	**0.144**	**0.0369**	**0.00792**	**0.00715**	**0.0262**	**0.141**	**0.0174**	**0.0156**	**0.00749**	**0.0625**	**0.017**	**0.0157**	**0.0278**	**0.0132**	**0.00713**
SW8270SIM	56-55-3	**Benzo(a)anthracene**	21	**1.1**	NE	mg/kg	**3.14 b**	**0.0052**	**0.0855**	**0.0175**	**0.424**	**0.286**	**0.0572**	**0.0675**	**0.188**	**0.462**	**0.0888**	**0.0884**	**0.0508**	**0.56**	**0.0857**	**0.0961**	**0.156**	**0.0755**	**0.043**
SW8270SIM	50-32-8	**Benzo(a)pyrene**	**2.1**	**0.11**	NE	mg/kg	**2.46 ab**	**0.00545**	**0.0859**	**0.0189**	**0.415 b**	**0.309 b**	**0.0644**	**0.0747**	**0.183 b**	**0.402 b**	**0.103**	**0.103**	**0.048**	**0.603 b**	**0.0756**	**0.0966**	**0.151 b**	**0.0911**	**0.044**
SW8270SIM	205-99-2	**Benzo(b)fluoranthene**	21	**1.1**	NE	mg/kg	**3.4 b**	**0.00728**	**0.0999**	**0.0198**	**0.473**	**0.349**	**0.0864**	**0.0814**	**0.178**	**0.237**	**0.106**	**0.109**	**0.0519**	**0.509**	**0.0796**	**0.0722**	**0.159**	**0.0853**	**0.0496**
SW8270SIM	191-24-2	Benzo(g,h,i)perylene	NE	NE	NE	mg/kg	**1.23**	**0.00285**	**0.0484**	**0.00902**	**0.206**	**0.175**	**0.0415**	**0.0388**	**0.0973**	**0.214**	**0.0536**	**0.0551**	**0.0273**	**0.237**	**0.0401**	**0.053**	**0.091**	**0.0559**	**0.0271**
SW8270SIM	207-08-9	Benzo(k)fluoranthene	210	11	NE	mg/kg	**1.01**	**0.00275**	**0.0295**	**0.0094**	**0.162**	**0.128**	**0.0308**	**0.0258**	**0.0638**	**0.106**	**0.0319**	**0.039**	**0.0195**	**0.207**	**0.0244**	**0.0315**	**0.0539**	**0.0246**	**0.0206**
SW8270SIM	218-01-9	Chrysene	2100	110	NE	mg/kg	**3.29**	**0.00544**	**0.0889**	**0.0173**	**0.436**	**0.323**	**0.058**	**0.0685**	**0.186**	**0.386**	**0.0818**	**0.125**	**0.0501**	**0.581**	**0.0835**	**0.0915**	**0.144**	**0.0814**	**0.0455**
SW8270SIM	53-70-3	**Dibenz(a,h)anthracene**	2.1	**0.11**	NE	mg/kg	**0.349 b**	**0.000825 J**	**0.0116**	**0.00214**	**0.0484**	**0.0314**	**0.00925**	**0.00702**	**0.0233**	**0.024**	**0.016**	**0.0118**	**0.00647**	**0.0659**	**0.0105**	**0.0111**	**0.023**	**0.0131**	**0.00588**
SW8270SIM	206-44-0	Fluoranthene	3000	240	NE	mg/kg	**6.88**	**0.0127**	**0.148**	**0.0356**	**1.02**	**0.502**	**0.104**	**0.141**	**0.327**	**0.83**	**0.132**	**0.209**	**0.095**	**0.687**	**0.172**	**0.163**	**0.251**	**0.143**	**0.0949**
SW8270SIM	86-73-7	Fluorene	3000	240	NE	mg/kg	**0.66**	**0.000581 J**	**0.00306**	0.00086 U	**0.0719**	**0.0122**	**0.00147**	**0.00159**	**0.00779**	**0.0689**	**0.00366**	**0.00729**	**0.00207**	**0.00968**	**0.00505**	**0.0071**	**0.0125**	**0.00348**	**0.00241**
SW8270SIM	193-39-5	**Indeno(1,2,3-cd)pyrene**	21	**1.1**	NE	mg/kg	**1.29 b**	**0.00286**	**0.0427**	**0.00849**	**0.192**	**0.165**	**0.0358**	**0.0378**	**0.0953**	**0.183**	**0.0535**	**0.0519**	**0.0213**	**0.236**	**0.0396**	**0.0516**	**0.0869**	**0.0558**	**0.0233**
SW8270SIM	91-20-3	Naphthalene	8.6	2	NE	mg/kg	**0.446**	0.00255 U	**0.00556**	0.00258 U	**0.0116**	**0.0125**	**0.00255**	0.00249 U	**0.00545**	**0.0169**	**0.00223 J**	**0.00251**	**0.00188 J**	**0.00451**	**0.00271**	**0.00442**	**0.00721**	**0.00306**	0.00254 U
SW8270SIM	85-01-8	Phenanthrene	NE	NE	NE	mg/kg	**6.28**	**0.00777**	**0.0822**	**0.00873**	**0.795**	**0.282**	**0.0453**	**0.0457**	**0.152**	**0.782**	**0.075**	**0.161**	**0.048**	**0.325**	**0.0914**	**0.0843**	**0.151**	**0.0739**	**0.0512**
SW8270SIM	129-00-0	Pyrene	2300	180	NE	mg/kg	**4.9**	**0.00973**	**0.133**	**0.0313**	**0.662**	**0.254**	**0.099**	**0.12**	**0.267**	**0.638**	**0.109**	**0.191**	**0.0764**	**0.578**	**0.152**	**0.141**	**0.179**	**0.114**	**0.0798**
		Benzo(a)pyrene equivalency		1.15*	NE	mg/kg	3.605	0.008	0.121	0.026	0.574	0.422	0.092	0.101	0.253	0.516	0.144	0.140	0.067	0.802	0.107	0.130	0.215	0.126	0.062

Notes:

CAS No. = Chemical Abstracts Service number

ft = feet

NE = Not Established

RSL Residential Soil = US EPA Regional Screening level (RSL) HQ=0.1 for Residential Soil (November 2022)

RSL Industrial Soil = US EPA Regional Screening level (RSL) HQ=0.1 for Industrial Soil (November 2022)

TN BKG Value = Tennessee soil background value

J = Estimated value

U = Non-Detect

Bold = Detected Value

Shaded/Bold = exceeds screening value

a = exceeds RSL Industrial Soil

b = exceeds RSL Residential Soil

c = exceeds TN BKG Value

* = Tennessee Department Environment and Conservation Benzo(a)pyrene Equivalency (BEQ) Screening Level for residential land use provided via email on May 5, 2023.

Red exceeds BEQ for residential use of 1.15 mg/kg.

Relative Potency Factors for Carcinogenic Polycyclic Aromatic Hydrocarbons

Compound	RPF
Benzo(a)pyrene	1
Benz(a)anthracene	0.1
Benzo(b)fluoranthene	0.1
Benzo(k)fluoranthene	0.01
Chrysene	0.001
Dibenz(a,h)anthracene	1
Indeno(1,2,3-c,d)pyrene	0.1

Table 3
Detected Concentrations of VOCs, PAHs and RCRA 8 Metals in Soil (EnSafe 2023)
Edgeview at Legends Park, Block A
Memphis, TN

					Sample Location:	SB36	SB36	SB37	SB38	SB38	SB39	SB40	SB41	SB42	SB42	SB43	SB43	SB44	SB45	SB46	SB46
					Sample ID:	LEGSSB36-01	LEGSSB36-04	LEGSSB37-01	LEGSSB38-01	LEGSSB38-03	LEGSSB39-01	LEGSSB40-01	LEGSSB41-01	LEGSSB42-01	LEGSSB42-03	LEGSSB43-01	LEGSSB43-04	LEGSSB44-01	LEGSSB45-01	LEGSSB46-01	LEGSSB46-03
					Sample Date:	04/20/2023	04/20/2023	04/20/2023	04/20/2023	04/20/2023	04/20/2023	04/20/2023	04/20/2023	04/20/2023	04/20/2023	04/20/2023	04/20/2023	04/20/2023	04/20/2023	04/20/2023	04/20/2023
					Matrix:	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil
					Depth (ft):	1.0	4.0	1.0	1.0	3.0	1.0	1.0	1.0	1.0	3.0	1.0	4.0	1.0	1.0	1.0	3.0
Method	**CAS No.**	**Analyte**	**RSL Industrial Soil (a)**	**RSL Residential Soil (b)**	**TN BKG Value (c)**	**Units**															
SW6010	7440-38-2	**Arsenic**	**3**	**0.68**	**10**	mg/kg	**9.16 ab**	**8.22 ab**	**8.7 ab**	**8.1 ab**	**8.03 ab**	**8.79 ab**	**11.6 abc**	**9.05 ab**	**6.94 ab**	**6.39 ab**	**9.64 ab**	**2.79 J b**	**11.2 abc**	**9.83 ab**	**11.8 abc**	**9.23 ab**
SW6010	7440-39-3	**Barium**	22000	1500	**144**	mg/kg	**114**	**114**	**122**	**118**	**127**	**115**	**110**	**116**	**111**	**113**	**127**	**106**	**175 c**	**126**	**130**	**111**
SW6010	7440-43-9	**Cadmium**	10	**0.71**	**1**	mg/kg	**0.404**	**0.345**	**0.395**	**0.422**	**0.434**	**0.543**	**0.369**	**0.541**	**0.445**	**0.151 J**	**0.215 J**	0.591 U	**0.149 J**	**0.255 J**	**0.21 J**	**0.211 J**
SW6010	7440-47-3	**Chromium**	NE	NE	**20**	mg/kg	**14.4**	**13.4**	**14.3**	**14.9**	**15.7**	**15.3**	**14.5**	**14**	**13.4**	**17.2**	**15.4**	**19.3**	**20.5 c**	**16.8**	**15.2**	**15.5**
SW6010	7439-92-1	**Lead**	800	400	**45**	mg/kg	**40.6**	**37.3**	**33.4**	**31**	**25**	**24.9**	**31.2**	**51 c**	**26.2**	**17.7**	**22.6**	**9.85**	**28.9**	**12.9**	**36.3**	**10.5**
SW6010	7782-49-2	Selenium	580	39	1.2	mg/kg	0.678 U	0.684 U	0.642 U	0.587 U	0.58 U	0.584 U	**0.462 J**	3.05 U	3 U	3.02 U	2.96 U	2.96 U	3.13 U	3 U	2.9 U	3.12 U
SW6010	7440-22-4	Silver	580	39	1.2	mg/kg	1.7 U	1.71 U	1.61 U	1.47 U	1.45 U	1.46 U	1.51 U	0.305 U	0.3 U	1.51 U	1.48 U	1.48 U	1.56 U	1.5 U	1.45 U	1.56 U
SW7471	7439-97-6	**Mercury**	4.6	1.1	**0.18**	mg/kg	**0.0905 J**	**0.134 J**	**0.123 J**	**0.0914 J**	**0.0944 J**	**0.0799 J**	**0.0998 J**	**0.156 J**	**0.0948 J**	**0.0714 J**	**0.0671 J**	0.216 U	**0.0587 J**	**0.0397 J**	**0.0334 J**	0.216 U
SW8260	95-63-6	1,2,4-trimethylbenzene	180	30	NE	mg/kg	**0.0014 J**	**0.0033 J**	**0.0011 J**	0.0023 U	**0.0013 J**	**0.0015 J**	**0.0011 J**	0.0024 U	**0.001 J**	**0.0013 J**	0.0023 U	0.0023 U	0.0025 U	0.0024 U	0.0023 U	0.0024 U
SW8260	78-93-3	2-Butanone (MEK)	19000	2700	NE	mg/kg	**0.016 J**	**0.0101 J**	**0.0122 J**	**0.0094 J**	**0.0066 J**	**0.0107 J**	**0.0174 J**	**0.032 J**	**0.0202 J**	**0.0095 J**	**0.0358 J**	0.0472 U	**0.0245 J**	**0.0491**	**0.0405 J**	**0.0407 J**
SW8260	67-64-1	Acetone	110000	7000	NE	mg/kg	**0.185**	**0.121**	**0.157**	**0.116**	**0.0694**	**0.117**	**0.18**	**0.34**	**0.242**	**0.0891**	**0.356**	**0.0243 J**	**0.342**	**0.436**	**0.338**	**0.257**
SW8260	71-43-2	Benzene	5.1	1.2	NE	mg/kg	**0.0035**	**0.0058**	**0.0024 J**	**0.0021 J**	**0.0025**	**0.0032**	**0.0027**	**0.0025**	**0.001 J**	0.0024 U	0.0023 U	**0.001 J**	0.0025 U	**0.0011 J**	**0.0006 J**	0.0024 U
SW8260	75-15-0	Carbon disulfide	350	77	NE	mg/kg	**0.0358**	**0.016 J**	**0.0132**	**0.0128**	**0.0106 J**	**0.0337**	**0.0094 J**	**0.0147**	**0.0047 J**	**0.0043 J**	**0.0053 J**	**0.0055 J**	0.0125 U	0.012 U	0.0115 U	0.0124 U
SW8260	100-41-4	Ethylbenzene	25	5.8	NE	mg/kg	**0.0021 J**	**0.0043**	**0.0016 J**	**0.0012 J**	**0.002 J**	**0.0025**	**0.0019 J**	**0.0015 J**	**0.001 J**	**0.0022 J**	**0.0009 J**	**0.0008 J**	0.0025 U	0.0024 U	0.0023 U	0.0024 U
SW8260	179601-23-1	m,p-Xylene	NE	NE	NE	mg/kg	**0.0024 J**	**0.005 J**	**0.0019 J**	0.0047 U	**0.0023 J**	**0.003 J**	**0.0022 J**	0.0048 U	0.0048 U	**0.0025 J**	0.0047 U	0.0047 U	0.005 U	0.0048 U	0.0046 U	0.0049 U
SW8260	95-47-6	o-Xylene	280	64	NE	mg/kg	0.0027 U	**0.0021 J**	0.0025 U	0.0023 U	**0.0009 J**	**0.0011 J**	0.0024 U	0.0024 U	0.0024 U	**0.0009 J**	0.0023 U	0.0023 U	0.0025 U	0.0024 U	0.0023 U	0.0024 U
SW8260	135-98-8	sec-Butylbenzene	12000	780	NE	mg/kg	0.0027 U	0.0034 U	0.0025 U	0.0023 U	0.0023 U	0.0024 U	0.0024 U	0.0024 U	0.0024 U	0.0024 U	0.0023 U	0.0023 U	0.0025 U	0.0024 U	0.0023 U	**0.0064**
SW8260	108-88-3	Toluene	4700	490	NE	mg/kg	**0.0061**	**0.0103**	**0.0044 J**	**0.0039 J**	**0.0049**	**0.0067**	**0.005**	**0.0046 J**	0.0048 U	**0.0056**	0.0047 U	0.0047 U	0.005 U	0.0048 U	0.0046 U	0.0049 U
SW8260	1330-20-7	Xylene (Total)	250	58	NE	mg/kg	**0.0024 J**	**0.0071 J**	**0.0019 J**	0.0023 U	**0.0032 J**	**0.0041 J**	**0.0022 J**	0.0024 U	0.0024 U	**0.0035 J**	0.0023 U	0.0023 U	0.0025 U	0.0024 U	0.0023 U	0.0024 U
SW8270SIM	91-57-6	2-Methylnaphthalene	300	24	NE	mg/kg	**0.00383**	**0.00334**	**0.00477**	**0.00488**	**0.00861**	**0.00383**	**0.0041**	**0.00612**	**0.023**	**0.0729**	**0.0023 J**	0.00238 U	0.00252 U	0.00242 U	0.00233 U	0.00251 U
SW8270SIM	83-32-9	Acenaphthene	4500	360	NE	mg/kg	**0.00716**	**0.00407**	**0.0207**	**0.0152**	**0.0307**	**0.00518**	**0.0089**	**0.0167**	**0.196**	**0.158**	**0.0118**	**0.00349**	**0.00317**	**0.00226**	**0.00329**	0.000835 U
SW8270SIM	208-96-8	Acenaphthylene	NE	NE	NE	mg/kg	**0.00815**	**0.0132**	**0.00838**	**0.00576**	**0.00829**	**0.00648**	**0.0124**	**0.016**	**0.0109**	**0.0165**	**0.00516**	**0.000678 J**	**0.00114**	**0.00389**	**0.00159**	0.000835 U
SW8270SIM	120-12-7	Anthracene	23000	1800	NE	mg/kg	**0.0316**	**0.0174**	**0.0465**	**0.0474**	**0.0715**	**0.0168**	**0.0254**	**0.0534**	**0.373**	**0.434**	**0.0343**	**0.0126**	**0.0138**	**0.00933**	**0.00874**	0.000835 U
SW8270SIM	56-55-3	**Benzo(a)anthracene**	21	**1.1**	NE	mg/kg	**0.202**	**0.142**	**0.175**	**0.173**	**0.17**	**0.0952**	**0.133**	**0.24**	**1.18 b**	**1.76 b**	**0.195**	**0.0423**	**0.0867**	**0.0865**	**0.0574**	**0.00278**
SW8270SIM	50-32-8	**Benzo(a)pyrene**	**2.1**	**0.11**	NE	mg/kg	**0.198 b**	**0.167 b**	**0.17 b**	**0.155 b**	**0.151 b**	**0.0912**	**0.129 b**	**0.246 b**	**1.21 b**	**1.5 b**	**0.199 b**	**0.033**	**0.0775**	**0.0916**	**0.0516**	**0.00312**
SW8270SIM	205-99-2	**Benzo(b)fluoranthene**	21	**1.1**	NE	mg/kg	**0.227**	**0.163**	**0.159**	**0.157**	**0.145**	**0.0918**	**0.124**	**0.165**	**0.727**	**1.2 b**	**0.169**	**0.035**	**0.0819**	**0.096**	**0.0579**	**0.0032**
SW8270SIM	191-24-2	Benzo(g,h,i)perylene	NE	NE	NE	mg/kg	**0.104**	**0.114**	**0.0774**	**0.0861**	**0.0808**	**0.0493**	**0.0751**	**0.143**	**0.55**	**0.557**	**0.0957**	**0.017**	**0.0417**	**0.0513**	**0.0293**	**0.00278**
SW8270SIM	207-08-9	Benzo(k)fluoranthene	210	11	NE	mg/kg	**0.0783**	**0.126**	**0.0734**	**0.064**	**0.0973**	**0.0525**	**0.0655**	**0.157**	**0.598**	**0.484**	**0.0973**	**0.0141**	**0.0339**	**0.0334**	**0.0222**	**0.00103**
SW8270SIM	218-01-9	Chrysene	2100	110	NE	mg/kg	**0.191**	**0.137**	**0.183**	**0.153**	**0.167**	**0.0897**	**0.122**	**0.249**	**1.08**	**1.63**	**0.208**	**0.0364**	**0.0807**	**0.0837**	**0.053**	**0.00262**
SW8270SIM	53-70-3	**Dibenz(a,h)anthracene**	2.1	**0.11**	NE	mg/kg	**0.0252**	**0.0393**	**0.0321**	**0.0322**	**0.0321**	**0.0188**	**0.0272**	**0.054**	**0.224 b**	**0.244 b**	**0.0391**	**0.00704**	**0.017**	**0.019**	**0.0109**	0.000835 U
SW8270SIM	206-44-0	Fluoranthene	3000	240	NE	mg/kg	**0.392**	**0.219**	**0.343**	**0.316**	**0.336**	**0.178**	**0.257**	**0.465**	**2.35**	**3.1**	**0.373**	**0.0765**	**0.146**	**0.149**	**0.103**	**0.00535**
SW8270SIM	86-73-7	Fluorene	3000	240	NE	mg/kg	**0.00689**	**0.00482**	**0.0207**	**0.0182**	**0.038**	**0.00553**	**0.00873**	**0.0206**	**0.187**	**0.182**	**0.011**	**0.00463**	**0.00303**	**0.00207**	**0.0025**	0.000835 U
SW8270SIM	193-39-5	**Indeno(1,2,3-cd)pyrene**	21	**1.1**	NE	mg/kg	**0.102**	**0.135**	**0.108**	**0.107**	**0.105**	**0.0658**	**0.0966**	**0.166**	**0.492**	**0.461**	**0.113**	**0.0252**	**0.0626**	**0.0633**	**0.0465**	**0.00262**
SW8270SIM	91-20-3	Naphthalene	8.6	2	NE	mg/kg	**0.00322**	**0.00305**	**0.0065**	**0.00636**	**0.00885**	**0.00271**	**0.00412**	**0.00537**	**0.0145**	**0.139**	**0.00213 J**	0.00238 U	0.00252 U	0.00242 U	0.00233 U	0.00251 U
SW8270SIM	85-01-8	Phenanthrene	NE	NE	NE	mg/kg	**0.168**	**0.0816**	**0.244**	**0.197**	**0.26**	**0.0867**	**0.149**	**0.244**	**1.69**	**2.57**	**0.178**	**0.0498**	**0.0613**	**0.0476**	**0.0431**	**0.00206**
SW8270SIM	129-00-0	Pyrene	2300	180	NE	mg/kg	**0.312**	**0.19**	**0.267**	**0.241**	**0.246**	**0.138**	**0.206**	**0.283**	**1.78**	**2.44**	**0.279**	**0.0573**	**0.105**	**0.111**	**0.0773**	**0.00399**
		Benzo(a)pyrene equivalency		1.15*	NE	mg/kg	0.277	0.252	0.247	0.232	0.226	0.136	0.192	0.359	1.681	2.093	0.287	0.050	0.118	0.136	0.079	0.005

Notes:

CAS No. = Chemical Abstracts Service number

ft = feet

NE = Not Established

RSL Residential Soil = US EPA Regional Screening level (RSL) HQ=0.1 for Residential Soil (November 2022)

RSL Industrial Soil = US EPA Regional Screening level (RSL) HQ=0.1 for Industrial Soil (November 2022)

TN BKG Value = Tennessee soil background value

J = Estimated value

U = Non-Detect

Bold = Detected Value

Shaded/Bold = exceeds screening value

a = exceeds RSL Industrial Soil

b = exceeds RSL Residential Soil

c = exceeds TN BKG Value

* = Tennessee Department Environment and Conservation Benzo(a)pyrene Equivalency (BEQ) Screening Level for residential land use provided via email on May 5, 2023.

Red exceeds BEQ for residential use of 1.15 mg/kg.

Relative Potency Factors for Carcinogenic Polycyclic Aromatic Hydrocarbons

Compound	RPF
Benzo(a)pyrene	1
Benz(a)anthracene	0.1
Benzo(b)fluoranthene	0.1
Benzo(k)fluoranthene	0.01
Chrysene	0.001
Dibenz(a,h)anthracene	1
Indeno(1,2,3-c,d)pyrene	0.1

Table 4
Detected Concentrations in Groundwater, Phase II ESA (December 2021)
Block A, Legends Park Subdivision, Memphis, Tennessee

Analyte	RSL (a)	MCL (b)	ISL (c)	SB01	SB02	SB03	SB04	SB05
RCRA 8 Metals								
Barium	380	2000	NE	0.099	0.092	0.165	0.244	0.110
Selenium	10	50	NE	—	—	0.004 J	0.003 J	—
Volatile Organic Compounds								
Acetone	1.8	NE	NE	—	—	—	—	0.010 J
Toluene	0.11	1	1	—	—	0.0007 J	—	—
Polynuclear Aromatic Hydrocarbons								
Acenaphthene	0.053	NE	0.939	—	—	—	—	0.000020
Methylnaphthalene, 1-	0.0011	NE	NE	—	—	—	—	0.000017 J
Naphthalene	0.00012	NE	0.02	—	—	0.000042	—	—
Extractable Petroleum Hydrocarbons								
Diesel Range Organics	NE	NE	NE	0.111	0.0576 J	0.111	0.243	0.272
Oil Range Organics	NE	NE	NE	0.0994	—	—	0.0883 J	0.0938
Extractable Petroleum Hydrocarbons (Total)	NE	NE	NE	0.210	0.0576 J	0.111	0.331 J	0.366

Notes:

All results are in milligrams per liter (mg/L).

December 2021 analytical results were collected by EnSafe and are summarized in the *Phase II Environmental Site Assessment Report, Block A, Legends Park Subdivision, Memphis, Tennessee* , dated December 30, 2021.

U.S. EPA = United States Environmental Protection Agency

RCRA = Resource Conservation and Recovery Act

RSL = U.S. EPA Regional Screening Level for Tap Water (November 2021)

MCL = U.S. EPA Maximum Contaminant Level for Groundwater (November 2021)

ISL = Tennessee Underground Storage Tank System Assessment Closure Initial Screening Levels for groundwater-drinking water (September 2006)

NE = Not Established

— = Not Detected

J = Estimated

Table 5
Detected Concentrations in Soil Gas, Phase II ESA (EnSafe December 2021)
Block A, Legends Park Subdivision, Memphis, Tennessee

Analyte	Res VISL (a)	Com VISL (b)	SG01	SG02	SG03	SG04	SG05
Acetone	107000	451000	72	145	51.1	6.11	82.2
Benzene	12	52.4	**13.8 a**	2.18	1.67	0.581 J	2.66
Bromodichloromethane	2.53	11	1.19 J	—	—	—	—
Butadiene, 1,3-	3.12	13.6	1.42 J	0.843 J	—	—	1.21 J
Carbon tetrachloride	15.6	68.1	0.844 J	0.976 J	—	—	—
Chloroform	4.07	17.8	—	—	0.759 J	0.891 J	—
Chloromethane	313	1310	0.386 J	0.708	—	0.425 J	0.492 J
Cyclohexane	20900	87600	2.78	3.4	0.816 J	0.637 J	3.48
Dichlorobenzene, 1,4-	8.51	37.2	—	—	—	0.568 J	—
Dichlorodifluoromethane	348	1460	3.18	3.52	2.83	3.17	204
Ethylbenzene	37.4	164	3.95	2.49	1.98	0.863 J	1.94
Heptane, n-	1390	5840	3.01	3.88	1.1 J	—	3.67
Hexane, n-	2430	10200	2.22 J	4.76	1.1 J	—	5.89
Hexanone, 2-	104	438	2.27 J	8.79	1.37 J	—	3.25 J
Isopropanol	695	2920	19.9	4.87	—	2.63 J	283
Methyl Ethyl Ketone	17400	73000	7.84	19.2	3.16 J	—	7.61
Methyl-tert-butyl ether	360	1570	1.63	—	0.854 J	—	—
Methylene Chloride	2090	8760	0.653 J	0.639 J	—	0.583 J	—
Naphthalene	2.75	12	**26.8 ab**	—	—	—	—
Tetrachloroethene	139	584	0.964 J	—	—	—	—
Toluene	17400	73000	13.4	10.5	4.11	2.4 J	6.71
Trichlorotrifluoroethane, 1,1,2-	17400	73000	1.33 J	1.1 J	0.996 J	1.12 J	—
Trimethylbenzene, 1,2,4-	209	876	10.6	6.23	4.6	1.26 J	2.36
Trimethylbenzene, 1,3,5-	209	876	5.79	1.87	1.75	0.697 J	1.16 J
Xylene (Total)	348	1460	29.1	15.6	11	3.96 J	9.03
Cumulative Vapor Intrusion Risk							
Carcinogenic Risk			**1.20E-05**	5.81E-07	3.81E-07	3.57E-07	6.61E-07
Hazard Quotient			0.315	0.034	0.0104	0.00442	0.128

Notes:

All results are shown in micrograms per cubic meter ($\mu g/m^3$)

December 2021 analytical results were collected by EnSafe and are summarized in the *Phase II Environmental Site Assessment Report, Block A, Legends Park Subdivision, Memphis, Tennessee* , dated December 30, 2021.

VISL = Vapor Intrusion Screening Level

Res VISL = Residential Target Sub-Slab and Near-source Soil Gas Concentration, TCR=1E-06, THQ=0.1 (November 2021)

Com VISL = Commercial Target Sub-Slab and Near-source Soil Gas Concentration, TCR=1E-06, THQ=0.1 (November 2021)

TCR = Target Cancer Risk

THQ = Target Hazard Quotient

J = Estimated value

— = Not detected

a = Exceeds Res VISL

b = Exceeds Com VISL

Table 6
Detected Concentrations of VOCs in Soil Gas and Vapor Intrusion Risk (EnSafe March 2023)
Block A, Legends Park Subdivision
Memphis, Tennessee

Detected Concentrations of VOCs	Res VISL	SG06	SG07R	SG08R	SG09R	SG10	SG11	SG12
Acetone	NE	72.2	35.2	79.4	111	50.1	18.5	33.3
Benzene	12	1.09	—	1.08	1.63	1.47	1.74	2.09
Carbon disulfide	2,430	0.716	1.01	1.48	—	1.88	1.03	0.993
Chloromethane	313	0.477	0.442	0.754	0.748	0.915	1.35	1.12
Cyclohexane	20,900	0.84	—	—	0.94	—	0.995	—
Dichlorodifluoromethane	348	2.07	1.88	1.91	2.11	2.12	2.14	1.89
Ethanol	NE	2.96 B	5.79	—	17.8	—	16.1	2.56 B
Ethylbenzene	37.4	—	—	—	0.867	0.876	1.21	2.38
Heptane	1,390	—	—	—	1.32	—	1.44	0.937
Hexane, n-	2,430	—	—	—	—	—	3.6	—
Hexanone, 2-	104	18.6	7.44	17.6	34.2	13.5	—	19.3
Isopropanol	695	5.58	3.59	3.12	19.8	6.02	45	9.17
Methyl Ethyl Ketone	17,400	15.9	5.87	19	27.7	14	—	10
Methyl Isobutly Ketone	10,400	6.92	5.2	7.29	12.3	5.9	—	9.25
Methylene Chloride	2,090	—	0.84	—	0.743	—	1.21	—
Propene	10,400	9.5	—	7.77	11.6	7.04	—	4.48
Tetrahydrofuran	6,950	—	0.64	0.737	—	—	—	—
Toluene	17,400	2.03	2.34	2.56	3.48	2.46	8.17	8.1
Trichlorofluoromethane	NE	1.34	—	—	1.19	1.34	1.37	1.44
Trimethylbenzene, 1,2,4-	209	1.23	2.12	1.96	2.27	—	—	8.05
Trimethylbenzene, 1,3,5-	209	—	—	—	—	—	—	1.93
Xylenes, Total	348	3.91	3.73	4.06	5.3	3.4	—	15.1
Xylene, m&p-	348	2.41	2.47	2.68	2.84	1.83	2.15	10.2
Xylene, o-	348	1.49	1.26	1.38	1.53	1.57	—	4.9
Ethyltoluene, 4-	NE	—	—	—	1.28	—	—	5.1
Cumulative Vapor Intrusion Risk		**SG06**	**SG07R**	**SG08R**	**SG09R**	**SG10**	**SG11**	**SG12**
Carcinogenic Risk		9.08E-08	2.49E-10	9.00E-08	1.59E-07	1.46E-07	1.78E-07	2.38E-07
Hazard Quotient		0.0224	0.0106	0.0216	0.0386	0.0174	0.00963	0.0323

Notes:
All results are shown in micrograms per cubic meter ($\mu g/m^3$)
VOCs = Volatile organic compounds
VISL = Vapor Intrusion Screening Level
Res VISL = Residential Target Sub-Slab and Near-source Soil Gas Concentration, TCR=1E-06, THQ=0.1 (November 2022)
TCR = Target Cancer Risk
THQ = Target Hazard Quotient
NE = Not established
— = Not detected
B = Analyte found in blank
a = Exceeds Res VISL
b = Exceeds Com VISL

STATE OF TENNESSEE
DEPARTMENT OF ENVIRONMENT AND CONSERVATION
DIVISION OF UNDERGROUND STORAGE TANKS
TENNESSEE TOWER, 12TH FLOOR
312 ROSA L. PARKS AVENUE
NASHVILLE, TENNESSEE 37243
(615) 532-0945 FAX (615) 532-0199

March 30, 2023

Mr. Edwin Jeffres
University of Tennessee Health Science Center Memphis
201 East Street
Memphis, Tennessee 38163

Re: Final Approval of Contaminated Tank Closure
UTHSC Medical Center Emergency Building Generator Building
956 Court Avenue, Memphis
Facility ID #0-792203, Shelby County

Dear Mr. Jeffres:

The Division of Underground Storage Tanks (Division) has received the March 10, 2023 Permanent Closure Report for the referenced facility. Based on the information available, tank 1A (a 2,000-gallon diesel underground storage tank – UST) closed in place on November 30, 2022, can be considered permanently closed. The Division will require no further action at this time regarding the permanently closed tank(s) and /or line(s) unless new information is discovered substantially changing the facts as we know them today.

Rule 0400-18-01-.03(1)(g) states, in part: "Any change in the status of the tanks at a petroleum UST facility shall be reported within thirty (30) days of said change. This includes but is not limited to changes of ownership, upgrading or replacement of tanks, changes in mailing address, permanent closure of a tank compartment, and changes in service. Such reports shall be made using an amended notification form."

If an amended notification form has not been submitted, then complete and mail the form to:

Central Office Notification Section
Tennessee Department of Environment and Conservation
Division of Underground Storage Tanks

William R. Snodgrass TN Tower
312 Rosa L. Parks Avenue, 12th Floor
Nashville, Tennessee 37243-1541

If soils are excavated and removed from the UST site for use at another location, then the Division of Solid Waste Management must be contacted regarding the proper disposal and/or use of those soils.

All forms and guidance are available at https://www.tn.gov/environment/program-areas/ust-underground-storage-tanks.html.

If you have any questions concerning this correspondence, please do not hesitate to contact me at (615) 708-9003.

Tell us how we're doing! Please take 5-10 minutes to complete our customer survey form at https://www.tn.gov/environment/about-tdec/contact-tdec-customer-service-form.html.

Sincerely,

Susan E. Watts
Division of Underground Storage Tanks

c: Wesley Goodnight, ENSAFE, Inc.
Closure File #0-792203

FO-009 01032019 FINAL

From:	Susan Watts
To:	Jeffres, Edwin Darrell
Cc:	Wesley Goodnight
Subject:	FO-009 Final Approval of Contaminated Closure for #0-972203 UTHSC Medical Center Emergency Generator Building
Date:	Thursday, March 30, 2023 12:29:00 PM
Attachments:	0792203_cc1_FO-009_03_30_2023.pdf

Afternoon,

I have attached the FO-009 Final Approval of Contaminated Closure Letter for UST facility ID #0-792203 UTHSC Medical Center Emergency Generator Building.

If you have any questions, please don't hesitate to contact me.

Susan E. Watts
Division of Underground Storage Tanks
William R. Snodgrass Tennessee Tower
312 Rosa L. Parks Avenue, 12th Floor
Nashville, TN 37243
(615) 708-9003

TN Department of Environment & Conservation

susan.watts@tn.gov
http://www.tennessee.gov/environment

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Appendix F
Miscellaneous Supporting Documents

USER QUESTIONNAIRE AND PROPOSAL CHECKLIST
ASTM E1527-13 Phase I Environmental Site Assessment

1. Applicability — Per ASTM E1527-13, if the reason for the Phase I ESA is not provided, EnSafe shall assume the purpose is to qualify for one of the landowner liability protections listed in a., b., or c. (below).

Please identify from the lists below all applicable reasons for requesting this Phase I Environmental Site Assessment:

Reasons applicable to the "All Appropriate Inquiries" Final Rule (40 Code of Federal Regulations Part 312):

- ☐ a. Person seeking to establish the innocent landowner defense to CERCLA liability
- ☐ b. Person seeking to establish bona fide prospective purchaser landowner liability protection to CERCLA liability
- ☐ c. Person seeking to establish the contiguous property owner landowner liability protection to CERCLA liability
- ☐ d. Person conducting site characterization and assessments with the use of a CERCLA grant (Brownfields)

If one of the above is applicable, please complete the "User Responsibilities" questions in Section 2.

Additional reasons for performing a Phase I Environmental Site Assessment:

- ☑ e. As part of due diligence prior to purchase
- ☑ f. Obtaining financing
- ☐ g. Selling a property
- ☐ h. Originating or renewing a lease
- ☐ i. Terminating a lease or vacating a property
- ☑ j. In anticipation of a property/business ownership transaction
- ☐ k. Establishing baseline conditions at a property
- ☐ l. Identifying potential business environmental risks associated with a property

A business environmental risk is defined by ASTM E1527-13 as a risk that can have a material environmental or environmentally driven impact on the business associated with the current or planned use of commercial real estate, not necessarily related to required components within the scope of an ASTM Phase I ESA. Business environmental risks are commonly associated with ASTM "non-scope issues" listed in Section 4. If Box l. is selected in this section, please complete Section 4.

Yes	No	**2. User Responsibilities**

These are tasks under the "All Appropriate Inquiries" Final Rule at 40 Code of Federal Regulations Part 312 that must be performed by or on behalf of the party seeking to qualify for a landowner liability protection to CERCLA liability. EnSafe is required to request the intended "User" of the Phase I ESA provide the information from those tasks, as it may be material in identifying recognized environmental conditions. Although the User of the Phase I ESA is not required to provide that information to EnSafe, the User remains responsible for their completion. For any boxes that are checked "Yes" please provide the additional information that you would like EnSafe to consider as part of the Phase I ESA. If the User of the Phase I ESA is not seeking a landowner liability protection to CERCLA liability but has pertinent information, answering the following questions will assist EnSafe.

☑	☐	a. Are there any environmental cleanup liens or activity and land-use limitations in place or filed or recorded against the property under federal, tribal, state, or local law, based on review of recorded land titles and judicial lien records? *If you haven't obtained the information through transaction-related title insurance documents, title abstracts, etc., would you like EnSafe to obtain and review land title records and judicial records at an additional cost (determined based on the number of parcels)? If so, please contact us for a quote.*
☐	☑	b. Do you have any specialized knowledge or experience related to the property or nearby properties? For example, are you involved in the same line of business as the current or former occupants of the property or an adjoining property so that you would have specialized knowledge of the chemicals and processes used by this type of business?
☐	☐	c. Does the purchase price being paid for this property reasonably reflect the fair market value of the property? In other words, what is the relationship of the purchase price to the fair market value of the property, if the property were not contaminated? If you conclude that there is a difference, is the lower purchase price related to contamination that is known or believed to be present at the property?

N/A ground lease

USER QUESTIONNAIRE AND PROPOSAL CHECKLIST
ASTM E1527-13 Phase I Environmental Site Assessment

☑	☐	d.	Are you aware of commonly known or reasonably ascertainable information about the property that would help EnSafe identify conditions indicative of releases or threatened releases? For example, (i.) The past uses of the property? (ii.) Specific chemicals are or have been used or stored at the property? (iii.) Spills or other chemical releases that have occurred at the property? (iv.) Environmental cleanups that have taken place at the property? (v.) Do you have other information relevant to the Phase I ESA? BVA Agreement - Ensafe has the appropriate information
☐	☑	e.	Based on your knowledge and experience related to the property, are there any obvious indicators that point to the presence or likely presence of releases at the property?

3. Special Reporting Requirements (if applicable)

Specify whether you, your client, and/or lender have special requirements for the Phase I ESA?

☐	a.	No additional requirements apply to this Phase I ESA.
☑	b.	Additional requirements apply and have been attached or discussed. Must meet THDA NHTF standards - communicated to Ensafe

4. ASTM Non-Scope Considerations

If you would like EnSafe to include any of the following issues as part of the Phase I ESA, please check the appropriate box, and an EnSafe representative will contact you, as necessary, to discuss further and determine whether modifications to the attached cost estimate will be necessary.

☑	a. Asbestos-Containing Materials
☑	b. Radon
☑	c. Lead-Based Paint
☑	d. Lead in Drinking Water
☑	e. Wetlands
☑	f. Regulatory Compliance — Environmental
☑	g. Regulatory Compliance — Health and Safety
☑	h. Indoor Air Quality
☑	i. Mold
☑	j. Substances not Defined as Hazardous Substances (aka emerging contaminants like PFAS)
☑	k. Vapor Intrusion
☑	l. Biological Agents
☑	m. Cultural and Historic Resources
☑	n. Ecological Resources
☑	o. Endangered Species
☑	p. Industrial Hygiene
☐	q. Other (please specify)

Yes	No		**5. Additional Requirements**
			Is this Phase I ESA being conducted:
☐	☐	a.	To satisfy environmental policy requirements of the Small Business Administration (SBA), or is SBA otherwise involved in lender or development aspects of this property?
☐	☐	b.	To document compliance with Housing and Urban Development standards at 24 Code of Federal Regulations 58.5(i)(2) or 50.3(i)?

USER QUESTIONNAIRE AND PROPOSAL CHECKLIST
ASTM E1527-13 Phase I Environmental Site Assessment

6. Site Contact(s)

Please provide contact information for EnSafe to gain access to the property and identify a Key Site Manager *(someone who has good knowledge of the uses and physical characteristics of the property)*.

Name: Deborah Payne
Contact Info: 1-901-544-1827

7. Report Addressed

If the report must be addressed to someone other than the proposal recipient, please specify the following information for each person/company/entity to which the report must be addressed.

Name: Brian Thomas
Title: Developer
Company: Legends Park Senior, LLC
Address: 675 Ponce De Leon
City, State, Zip: Avenue, Suite 8500
Phone: 404-759-1733
Email: bthomas@pennrose.com

8. Report Distribution

Reports will be provided electronically, unless otherwise specified. Email reports to:

If hard copies are requested, please provide name, company, and shipping address:

9. Property Location Description

Please provide any additional descriptions of the subject property, parcel number, and/or "as-is" map showing the property boundaries and developments below or in a separate attachment. Ensafe has latest property informati

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January 31, 2023

Mr. Brian Thomas
PennRose
675 Ponce de Leon Avenue NE, Suite 8500
Atlanta, Georgia 30308

Re: Phase I Environmental Site Assessment Report
Block A of the Legends Park Subdivision — Memphis, Tennessee

Dear Mr. Thomas,

EnSafe Inc. is pleased to provide the enclosed Phase I Environmental Site Assessment Report. If you have any questions or require additional information, please contact me at 901-937-4268 or aharris@ensafe.com.

Respectfully submitted,

EnSafe Inc.

By: Allison Harris
Senior Project Manager

PHASE I ENVIRONMENTAL SITE ASSESSMENT REPORT

BLOCK A OF THE LEGENDS PARK SUBDIVISION
MEMPHIS, TENNESSEE 38105

EnSafe Project Number:
0888834137

Prepared for:

PennRose
675 Ponce de Leon Avenue NE, Suite 8500
Atlanta, Georgia 30308

January 31, 2023

5724 Summer Trees Drive
Memphis, Tennessee 38134
901-372-7962 | 800-588-7962
www.ensafe.com

creative thinking. **custom solutions.** ®

PHASE I ENVIRONMENTAL SITE ASSESSMENT REPORT

BLOCK A OF THE LEGENDS PARK SUBDIVISION
MEMPHIS, TENNESSEE 38105

EnSafe Project Number:
0888834137

Prepared for:

PennRose
675 Ponce de Leon Avenue NE, Suite 8500
Atlanta, Georgia 30308

January 31, 2023

Allison Harris
Senior Project Manager
Environmental Professional

Signature

Environmental Professional Statement:
We declare that, to the best of our professional knowledge and belief, we meet the definition of Environmental Professional as defined in §312.10 of 40 CFR 312. We have the specific qualifications based on education, training, and experience to assess a property of the nature, history, and setting of the subject property. We have developed and performed the all appropriate inquiries in conformance with the standards and practices set forth in 40 CFR Part 312.

Trace Hilbun
Environmental Scientist/Geologist

Signature

Prepared by:

EnSafe Inc.
5724 Summer Trees Drive
Memphis, Tennessee 38134
901-372-7962
800-588-7962
www.ensafe.com

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EXECUTIVE SUMMARY

EnSafe Inc. performed a Phase I Environmental Site Assessment (ESA) of the Block A of the Legends Park Subdivision property in Memphis, Shelby County, Tennessee (subject property), in general conformance with the ASTM International (ASTM) *Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process* Designation E1527-13 (ASTM 2013).[1] The goal of this Phase I ESA is to identify evidence of *recognized environmental conditions*.[2] The findings, conclusions, and environmental professional opinion in this Phase I ESA report result from interviews; historical, government, and physical setting resource review; and subject property reconnaissance on January 6, 2023.

This environmental assessment has identified the following associated with the subject property:

- The subject property consists of 3.82 acres of a larger 4.77-acre vacant parcel identified as Shelby County Parcel 051017 00018 and is located within the 30.91-acre Legends Park Subdivision (former Dixie Homes housing complex). The subject property is adjoined to the north by Peach Avenue then Interstate 40, to the east by Decatur Street then multi-family residences and a church, to the south by multi-family townhomes, Red Sox Lane, and apartment buildings, and to the west by a portion of the vacant larger parcel.

- The subject property has been developed since at least 1897 with single and multi-family residential buildings. The subject property was part of the former Dixie Homes public housing development from 1937 until 2006, when the area was cleared for redevelopment as the Legends Park Subdivision.

- The Brownfields Voluntary Agreement (BVA) Site 79-846 includes the subject property. The BVA executed on September 29, 2009, outlines environmental conditions identified hydraulically upgradient (south) of the site that include: 1) chlorinated solvent and petroleum impacts to groundwater; and 2) the presence of hydrocarbons and drycleaning solvents in soil gas. Because the site may not have been fully characterized, a Notification of Land Use Restrictions has been imposed. As it applies to the subject property, the land use restrictions 1) prohibit the installation of water wells and use of groundwater at the subject property, 2) in the event of the discovery of contaminants in soil at the subject property, the soil must be managed in accordance with a Tennessee Department of Environment and Conservation (TDEC) approved soil management plan, and 3) may require the installation of soil vapor mitigation systems for buildings constructed at the subject property.

- Minkie Jos, a former clothes cleaner and presser, has been identified at the subject property in environmental database records and in a city directory for the year 1921 (EnSafe 2020). No additional information was provided in the database records; however, it is important to note that historical documents identify a storefront at this address, which could potentially have been operated as a dry cleaner.

[1] ASTM issued E1527-21 on November 1, 2021; however, EnSafe will continue to use E1527-13 until the United States Environmental Protection Agency approves the use of E1527-21 to comply with the requirements for all appropriate inquiries under 40 Code of Federal Regulations 312.

[2] ASTM defines a *recognized environmental condition* as "the presence or likely presence of any hazardous substances or petroleum products in, on, or at a property: due to any release to the environment; under conditions indicative of a release to the environment; or under conditions that pose a material threat of a future release to the environment."

- On the south-adjoining property, one address (311 Decatur Street) was identified in the 1932 city directory as Gordon Cleaners and Dyers, a former clothes cleaner and presser. No additional information was identified in historical records reviewed; however, it is important to note that historical fire insurance maps identify a storefront at this address in 1907, and Gordon Cleaners and Dyers may have operated as a dry cleaner.

- The west- and south-adjoining properties are located within BVA Site ID 79-846. Based on TDEC records reviewed, petroleum polyaromatic hydrocarbon impacted soils were used as geotechnical fill material on the west-adjoining property. To prevent exposure to the petroleum polyaromatic hydrocarbons, the soil is contained beneath an orange "witness barrier" (i.e., safety fencing) and clean fill material.

- The surrounding area has been developed with residential, commercial, and light industrial properties since at least 1897. Various commercial/light industrial businesses such as gasoline stations, automobile repair and service shops, and dry cleaners have operated on surrounding area properties that are expected to have used and possibly stored hazardous substances and/or petroleum products including solvents and other hazardous substances/petroleum products. A total of 17 sites, beyond the subject property and adjoining properties, were identified on environmental databases as having documented releases of hazardous substances and/or petroleum products.

- Five soil gas samples were collected throughout the subject property in 2021. Benzene and naphthalene were detected at concentrations exceeding the United States Environmental Protection Agency residential Vapor Intrusion Screening Levels in one sample location (SG01) on the southeast portion of the subject property. Additionally, concentrations in SG01 exceeded the acceptable residential carcinogenic risk quotient of 1E-05 with a result of 1.20E-05. The planned construction of a new building at the subject property is not in the vicinity of SG01; however, the intended use of the subject property and location of future structures will dictate further recommendations for soil vapor mitigation.

This assessment has revealed evidence of the following *recognized environmental condition* and *controlled recognized environmental condition* in connection with the subject property.[3]

- BVA Site ID 79-846 includes the subject property and adjoining properties to the west and south. The BVA outlines environmental conditions identified upgradient of these properties that include: 1) chlorinated solvent and petroleum impacts to groundwater, and 2) the presence of hydrocarbons and drycleaning solvents in soil gas. Additionally, numerous sites in the subject property surrounding area have reported releases of hazardous substances and/or petroleum products. Given the BVA and number of sites in the subject property area with reported releases of hazardous substances and/or petroleum products, the potential exists for regional groundwater contamination, which constitutes a *recognized environmental condition* for the subject property.

[3] ASTM defines a *controlled recognized environmental condition* as "a *recognized environmental condition* resulting from a past release of hazardous substances or petroleum products that has been addressed to the satisfaction of the applicable regulatory authority (for example, as evidenced by the issuance of a no further action letter or equivalent, or meeting risk-based criteria established by regulatory authority), with hazardous substances or petroleum products allowed to remain in place subject to the implementation of required controls (for example, property use restrictions, activity and use limitations, institutional controls, or engineering controls)."

- The subject property is subject to land use restrictions that 1) prohibit the installation of water wells and use of groundwater at the subject property, 2) in the event of the discovery of contaminants in soil at the subject property, the soil must be managed in accordance with a TDEC-approved soil management plan, and 3) may require the installation of soil vapor mitigation systems on buildings constructed at the subject property. Therefore, land use restrictions are considered a *controlled recognized environmental condition*.

This executive summary is an excerpt of a detailed Phase I ESA report that includes elements necessary for proper interpretation, including any limitations, exceptions, and deletions to ASTM 2013 and established scope of work. As such, the executive summary should not be used independently of the Phase I ESA report and its supporting documentation.

1.0 INTRODUCTION

EnSafe Inc. was retained by PennRose to conduct a Phase I Environmental Site Assessment (ESA) of the Block A of the Legends Park Subdivision property in Memphis, Shelby County, Tennessee (subject property), as shown on Figure 1 (Appendix A). The subject property consists of 3.82 acres of a 4.77-acre vacant grass-covered parcel identified as Shelby County Parcel 051017 00018, which occupies approximately the east half of a city block bound by Peach Avenue, Decatur Street, Delmar Avenue, and Ayers Street. Additionally, the subject property is within the 30.91-acre Legends Park Subdivision (former Dixie Homes housing complex). Figure 2 (Appendix A) is a Site Vicinity Map, which shows the subject property and adjoining properties.

1.1 Purpose

The subject property was assessed with respect to the range of contaminants within the scope of the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA), and petroleum products. This assessment is intended to constitute all appropriate inquiries (AAI) into the previous ownership and uses of the property consistent with good commercial and customary practice as defined in 42 United States Code Section 9601 (35)(B) and promulgated at 40 Code of Federal Regulations Part 312 (AAI Final Rule). As such, the assessment is intended to permit the designated *user* to satisfy one of the requirements to qualify for the innocent landowner, bona fide prospective purchaser, or contiguous property owner limitations on CERCLA liability (hereinafter, the Landowner Liability Protections).

The ASTM International (ASTM) *Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process* Designation E1527-13 (ASTM 2013) is the current industry standard used to define good commercial and customary practice for conducting an environmental site assessment of a parcel of commercial real estate.[1] The goal of a Phase I ESA is to identify evidence of *recognized environmental conditions,* defined by ASTM as, "the presence or likely presence of any hazardous substances or petroleum products in, on, or at a property: (1) due to any release to the environment; (2) under conditions indicative of a release to the environment; or (3) under conditions that pose a material threat of a future release to the environment."

[1] ASTM issued E1527-21 on November 1, 2021; however, EnSafe will continue to use E1527-13 until the United States Environmental Protection Agency approves the use of E1527-21 to comply with the requirements for all appropriate inquiries under 40 Code of Federal Regulations 312.

In accordance with ASTM 2013, this Phase I ESA was also intended to identify the following:

- *Controlled recognized environmental condition:* "a *recognized environmental condition* resulting from a past release of hazardous substances or petroleum products that has been addressed to the satisfaction of the applicable regulatory authority (for example, as evidenced by the issuance of a no further action letter or equivalent, or meeting risk-based criteria established by regulatory authority), with hazardous substances or petroleum products allowed to remain in place subject to the implementation of required controls (for example, property use restrictions, activity and use limitations, institutional controls, or engineering controls)."

- *Historical recognized environmental condition:* "a past release of any hazardous substances or petroleum products that has occurred in connection with the property and has been addressed to the satisfaction of the applicable regulatory authority or meeting unrestricted use criteria established by a regulatory authority, without subjecting the property to any required controls (for example, property use restrictions, activity and use limitations, institutional controls, or engineering controls)."

- *Business environmental risk:* "a risk which can have a material environmental or environmentally-driven impact on the business associated with the current or planned use of a parcel of commercial real estate, not necessarily limited to those environmental issues required to be investigated in this practice."

- *De minimis condition:* "a condition that generally does not present a threat to human health or the environment and that generally would not be the subject of an enforcement action if brought to the attention of appropriate governmental agencies." A condition found to be *de minimis* is not a *recognized environmental condition* or *controlled recognized environmental condition*.

1.2 Scope of Services

The Phase I ESA includes the following:

- Visual assessment of the subject property on January 6, 2023, by Mr. Trace Hilbun of EnSafe under the direction of Ms. Allison Harris of EnSafe; resumes are included in Appendix B.

- Interviews with personnel discussed in Section 3.1.

- Review of standard and additional federal, state, and local environmental records sources for the subject property and properties within ASTM 2013 approximate minimum search distances (AMSDs). Database search information is provided in Appendix C.

- Review of the historical resources (i.e., United States Geological Survey topographic maps, aerial photographs, fire insurance maps, and city directories), land-use records included in the prior Phase I ESA, and regulatory files available through the Tennessee Department of Environment and Conservation (TDEC), dated February 2022 (EnSafe, February 2022).

- Review of regulatory information available from the United States Environmental Protection Agency (U.S. EPA) Envirofacts website, regulatory reports response from the City of Memphis Division of Fire Services, and a summary of the TDEC records request. Select information is provided in Appendix D.

- Review of historical, physical setting, and regulatory information from Phase I ESAs of the subject property dated November 2020, February 2022, and September 2022 (EnSafe 2020, February 2022, and September 2022); the September 2022 Phase I ESA is included in Appendix E of this Phase I ESA. The February 2022 Phase I ESA is included in Appendix E of the September 2022 Phase I ESA.

- Review of the user questionnaire provided to the Client and completed by Mr. Brian Thomas, PennRose Developer, as documented in Appendix E of the September 2022 Phase I ESA, which is included in Appendix E of this Phase I ESA.

- Review of information from the websites listed in Section 6.

1.3 Client Information and User Responsibilities

EnSafe was retained by PennRose to conduct the Phase I ESA. According to ASTM, the *user* shall make known the reason for the Phase I ESA. In contracting EnSafe for the Phase I ESA, Mr. Thomas indicated the Phase I ESA was being conducted as part of due diligence before purchase, to obtain financing, and as part of a 4% Low-Income Housing Tax Credit Application with the Tennessee Housing Development Agency.

The AAI Final Rule and Section 6.0 of ASTM 2013 describe tasks to be performed by the *user* that are required to qualify for Landowner Liability Protections to CERCLA liability. The information that results from those tasks should be provided to the environmental professional to consider with respect to identifying *recognized environmental conditions*. Appendix E contains a questionnaire (Appendix E of the September 2022 Phase I ESA) provided to the *user* outlining those tasks.

1.4 Non-Scope Items

At the request of PennRose, and as documented in Appendix E, EnSafe's Phase I ESA scope of work was not expanded to include consideration of environmental issues or considerations that are beyond the scope of ASTM 2013.

2.0 PHYSICAL SETTING

Table 1 summarizes information obtained from review of physical setting sources and other sources reviewed during the Phase I ESA listed in Section 1.2.

Table 1
Physical Setting Summary

Topography	
Elevation (feet above mean sea level)	255 to 270
Topography	The central portion of the subject property is higher in elevation than the property perimeter. Additionally, the central-east portion is higher than the central-west portion.
Evidence of landfilling or excavation	Soil from other areas within the Legends Park Subdivision was stockpiled and used as fill on the subject property, which is further discussed in Section 4.1.4. In addition, "abundant brick debris" was encountered at 4 to 6 feet below ground surface (bgs) and concrete was encountered at 6 feet bgs in boring SB02 advanced in the central-east portion of the subject property in 2021. Traces of brick, sand, and cinders were encountered at 10 feet bgs in boring SB03 in the central-north portion of the subject property (EnSafe 2021).
Adjoining — higher elevation	East-southeast
Adjoining — lower elevation	Southwest
Surface Water and Subject Property Drainage	
Subject property surface water features	None
Adjoining surface water features	None
Nearest water body	Quimby Bayou
Direction and approximate distance to nearest water body	Approximately 740 feet west
Storm water management	Storm water that does not infiltrate grass surfaces is expected to follow surface topography and flow toward curbside storm drains on adjoining streets.
Flood zone (summarized from Appendix E)	The subject property is not mapped within the 100- or 500-year flood zones.
Wetlands (summarized from Appendix E)	No wetlands are mapped on the subject property.
Geology	
Soil types (and estimated depths/thickness)	Five soil borings installed in 2021 to depths of 28 to 32 feet bgs encountered predominantly silty clay. Limited intervals of silty clay with gravel and sand or with pebbles and gravel were encountered in some of the borings. Alternating clay and silty clay were also encountered in a few borings at depths greater than 20 feet bgs (EnSafe 2021).
Bedrock (depth and type)	Not reported in sources reviewed for this assessment.
Hydrogeology	
Wells on subject property	Five temporary groundwater wells installed in 2021 were removed and abandoned by backfilling with bentonite chips after sampling (EnSafe 2021).
Approximate depth to groundwater (feet) at the subject property	Groundwater was observed at 12 to 25 feet bgs in 2021 (EnSafe 2021).
Reported direction of groundwater flow at the subject property	Not identified in sources reviewed for this assessment.
Relevant surrounding property wells	Two sentinel groundwater monitoring wells installed at 918 and 934 Poplar Avenue (within the Legends Park Subdivision) are approximately 0.20 and 0.25 mile southwest of the subject property.
Approximate depth to groundwater (feet)	12 to 25
Reported direction of groundwater flow	North to northwest

3.0 SUBJECT PROPERTY

Subject property information discussed below was obtained from interviews and sources identified in Section 1.2 and referenced in Section 6.

3.1 Interviews

Table 2 lists personnel interviewed, indicates their association with the subject property or this Phase I ESA, and summarizes topics discussed and information provided. Table 2 also lists local and state agencies from which EnSafe requested information and the results of those inquiries.

Table 2
Summary of Interviews

Name	Affiliation	Association with Subject Property	Time[1]	Information Provided/ Section Discussed
Ms. Deborah Payne	Memphis Housing Authority	Key Site Manager Current Owner Representative	14	Ms. Payne provided information regarding current and historical subject property operations and development. Information provided is discussed in Sections 3 and 4.
Ms. Luretha Phillips	Memphis Housing Authority	Current Owner Representative	26	Ms. Phillips provided information regarding current and historical subject property operations and development. Information provided is discussed in Sections 3 and 4.
Ms. Alison Campany	TDEC — Division of Remediation	State Environmental Agency Official	20	Ms. Campany provided information regarding an unplottable DoR site identified in the environmental database report. Information provided is discussed in Section 4.3
Summary of Records Requests				
Name	**Agency**			**Result of Inquiry/Section Discussed**
Ms. Patricia Alston	Memphis Division of Fire Prevention			No records were identified related to the subject property. No records related to adjoining or surrounding properties were identified.
Ms. Valencia Cambrice	TDEC — Division of Remediation			Additional records beyond those obtained during the February 2022 Phase I ESA were not identified for the subject property or adjoining and surrounding properties.

Notes:
[1] Length of time or number of years the person has been affiliated or familiar with the subject property or surrounding area.
TDEC = Tennessee Department of Environment and Conservation

3.2 Prior Environmental Assessments

Prior environmental assessments that include the subject property have been conducted since 2003, including four Phase I ESAs, soil sampling summaries, and multiple Phase II ESA investigations. Reports summarized in this section are those evaluating the portion of the Legends Park Subdivision

(former Dixie Homes) north of Delmar Avenue (i.e., portions of the Legends Park Subdivision site that include the subject property). Findings for the entire Legends Park Subdivision site are summarized in Section 3.6. A copy of the prior September 2022 Phase I ESA is included in Appendix E.

2020 Phase I Environmental Site Assessment

A Phase I ESA for the approximate subject property boundary was performed in November 2020 (EnSafe 2020). The Phase I ESA identified that Legends Park Subdivision (including the subject property) lies within the Dixie Homes State Remediation Program (SRP) site 79-846 (discussed in Section 3.6); additionally, a Notice of Land Use Restriction was imposed on the Legends Park Subdivision as an institutional control to address groundwater contamination. The 2020 Phase I ESA identified the following *recognized environmental condition* and *controlled recognized environmental condition*:

- "Given the BVA [Brownfields Voluntary Agreement] and number of sites in the subject property area with reported releases of hazardous substances and/or petroleum products, the potential exists for regional groundwater contamination which constitutes a *recognized environmental condition* for the subject property."

- "The subject property is subject to Land Use Restrictions that 1) prohibit the installation of water wells and use of groundwater at the subject property, 2) in the event of the discovery of contaminants in soil at the subject property, the soil must be managed in accordance with a TDEC-approved soil management plan, and 3) may require the installation of soil vapor mitigation systems on buildings constructed at the subject property. Therefore, the land use restrictions are considered a *controlled recognized environmental condition*."

2021 Phase II Environmental Site Assessment

In December 2021, a Phase II ESA was conducted to evaluate the site for potential chemicals of concern associated with historical operations. Five soil borings (SB01-SB05) were advanced at the subject property portion of the Brownfields Voluntary Agreement (BVA) site (EnSafe 2021). Two soil samples were collected from each soil boring location and each was converted into a temporary monitoring well to collect a groundwater sample. Additionally, soil gas samples were collected from five locations across the subject property.

Metals data identified arsenic and chromium concentrations in soil above residential and industrial U.S. EPA Regional Screening Levels (RSLs). Arsenic concentrations exceeded the Tennessee background level (10 milligrams per kilogram [mg/kg]; TDEC 2001) in a single soil sample from 16 to 20 feet below ground surface (bgs). Chromium concentrations exceeded the Tennessee background level (20 mg/kg; TDEC 2001) in soil samples from three separate soil borings from 24 to 32 feet bgs. The Phase II ESA report concluded the concentrations of arsenic and chromium were not statistically higher than the Tennessee background levels. Polyaromatic hydrocarbon (PAH) data identified benzo(a)pyrene concentrations in soil from 4 to 8 feet bgs in one soil boring above residential and industrial RSLs. All other detected concentrations in soil were below RSLs, including volatile organic compounds (VOCs) and extractable petroleum hydrocarbons.

Groundwater samples did not have detected concentrations of metals, VOCs, PAHs, or extractable petroleum hydrocarbons above their respective U.S. EPA maximum contaminant level or tapwater RSLs.

Five soil gas samples (SG01-SG05) were collected throughout the subject property. The VOC data identified benzene (13.8 micrograms per cubic meter [µg/m^3]) and naphthalene (26.8 µg/m^3) concentrations in one soil gas sample location (SG01) above the U.S. EPA residential Vapor Intrusion Screening Levels (VISLs) of 12 µg/m^3 for benzene and 2.75 µg/m^3 for naphthalene. Additionally, naphthalene exceeded the commercial VISL of 12 µg/m^3. Concentrations detected at SG01 also exceeded the maximum U.S. EPA VISL carcinogenic risk, a calculated and location-specific unitless quotient, of 1E-05 with a risk of 1.20E-05. The Phase II ESA report concluded vapor mitigation should be considered for future development within sample area SG01 (southeast corner of the subject property), and the future use of the subject property will dictate further recommendations for, but not limited to, a passive mitigation system or vapor barrier.

February 2022 Phase I Environmental Site Assessment

A Phase I ESA conducted in February 2022 included ASTM 2013 non-scope items concerning National Environmental Policy Act environmental factors (EnSafe 2022). The Phase I ESA identified the same *recognized environmental condition* related to the BVA and surrounding area properties and the same *controlled recognized environmental condition* related to the Notice of Land Use Restriction detailed in the 2020 Phase I ESA. Additionally, the February 2022 Phase I ESA stated the ASTM 2013 non-scope issues related to compliance with the National Environmental Policy Act were assessed under National Housing Trust Fund guidance, and the project was found to comply with ASTM non-scope issues.

September 2022 Phase I Environmental Site Assessment

In September 2022, an update to the February 2022 Phase I ESA was conducted. The update identified no new findings related to the subject property and the surrounding area properties. Therefore, the September 2022 Phase I ESA identified the same *recognized environmental condition* related to the BVA and surrounding area properties and the same *controlled recognized environmental condition* related to the Notice of Land Use Restriction detailed in the previous Phase I ESAs.

3.3 Historical Development and Uses

The historical document review and interviews were conducted to identify evidence of *recognized environmental conditions* in connection with past uses of the subject property.

3.3.1 Historical Development

The earliest historical resource reviewed for this Phase I ESA is an 1897 fire insurance map, included with historical sources obtained for the February 2022 Phase I ESA, included in the September Phase I ESA in Appendix E, which shows the subject property developed with numerous residential buildings along the east, south, and west portions, with a small stream traversing the north portion. The subject property remains primarily residential, except for a few shops/storefronts along Decatur Street, on the 1907 fire insurance map. Additionally, the small stream is no longer depicted by 1907. The 1916 and 1927 topographic maps depict multiple small structures in the central portion of the subject property and along the east and west property boundaries. A 1937 aerial photograph shows what appear to be multi-family residential buildings constructed throughout the subject property, except on the extreme eastern portion. The 1951 and 1952 fire insurance maps indicate the Dixie Homes Apartments residential buildings were constructed between 1936 and 1937, and apartment buildings on the east portion of the subject property were constructed in 1950. The subject property remains relatively unchanged in subsequent aerial photographs reviewed through 2006, except for the construction of Interstate 40 and rerouting of Peach Avenue along the north subject property boundary between 1969 and 1973. By 2007, the buildings have been razed and the subject property appears to be a vacant, unpaved, grass-covered lot. The 2010 aerial photograph shows the subject property cleared of most vegetation in preparation for development and construction activities, with several excavators visible. Grading and construction activities appear to continue until early 2012. By the November 2012 aerial photograph, the subject property is completely covered with grass. No significant changes were noted on aerial photographs reviewed from 2012 to 2022

City directories obtained as part of the February 2022 Phase I ESA (EnSafe, February 2022) were reviewed at 3- to 6-year intervals from 1932 through 2020. The subject property had multiple addresses associated with residential buildings between 1932 and 2005: 945 to 1001 Peach Avenue, 319 to 347 Decatur Street, and 980 Delmar Avenue. The 2020 Phase I ESA (EnSafe 2020) identified one subject property address, 335 Decatur Street, as Minkie Jos, a potential former dry cleaner, which is listed in the 1921 city directory.

3.3.2 Historical Uses and Operations

Based on historical sources reviewed, the subject property has been developed since at least 1897. Historical records indicate the subject property was residential in 1897 and remained primarily residential until 2006. According to Ms. Luretha Phillips with the Memphis Housing Authority (MHA), the former Dixie Homes, a public housing development, began construction in 1938; the former public housing development included the subject property parcel and multiple parcels to the south. According to Ms. Deborah Payne of the MHA, the MHA acquired title to the Dixie Homes site from the U.S. Housing and Home Finance Agency and Public Housing Administration in April 1951 and 1953. Based on information provided by MHA representatives, the housing development remained relatively unchanged until the buildings were demolished in 2006. Based on environmental records reviewed (discussed in Section 3.6), pre-construction activities, including various environmental assessments and investigations, were conducted for the Legends Park Subdivision (including the subject property) between 2003 and 2012. According to Ms. Phillips, building construction within the Legends Park Subdivision began in 2009. A 2010 aerial photograph appears to show the subject property being used to stage construction materials and equipment for offsite construction. The subject property has remained vacant since approximately 2012.

3.4 Current Uses

The subject property was visually assessed on January 6, 2023, by Mr. Hilbun of EnSafe. The purpose of the site reconnaissance was to determine current uses and to identify evidence of *recognized environmental conditions* in connection with the subject property. Photographs taken during the site visit are in Appendix F. EnSafe personnel walked throughout the subject property unaccompanied. Adjoining and surrounding area properties were observed from the subject property boundaries and from nearby roads and driveways.

The subject property comprises 3.82 acres of vacant grass land within the Legends Park Subdivision with a fence comprising the north, east, and southeast subject property perimeter. Ms. Payne stated the subject property had no current operations or uses. MHA representatives had no knowledge of

groundwater wells, septic tanks/systems, underground storage tanks, aboveground storage tanks, and/or utility services associated with the subject property.

3.5 Exterior Observations

Table 3 lists environmental issues and identifies those present or applicable to the subject property, based upon EnSafe's visual observations of the exterior, interviews, review of environmental records sources, regulatory research, and other publicly available and reasonably ascertainable information. Each environmental issue present or applicable is discussed in sections as noted in the table.

Table 3
Subject Property Observations

Current or Past Use	Present or Applicable	Comment/Report Section
Hazardous Substances and Petroleum Products	**No**	—
Storage Tanks	**No**	—
Odors (strong, pungent, or noxious)	**No**	—
Pools of Liquids	**No**	—
Drums (5 gallons and larger)	**No**	—
Unidentified Substance Containers	**No**	—
Polychlorinated Biphenyls (associated with electric or hydraulic equipment)	**No**	—
Fuel Source for Heating and Cooling Systems	**No**	—
Stains or Corrosion (on building walls, floor, and ceilings)	**No**	—
Floor Drains, Sumps, and Pits	**No**	—
Pits, Ponds, or Lagoons	**No**	—
Stained Soil or Pavement	**No**	—
Stressed Vegetation	**No**	—
Solid Waste	**Yes**	Windblown trash (e.g., food wrappers, drink containers) was observed along the north, east, and south perimeter of the subject property. Additionally, a discarded automobile tire was observed along the east fence line.
Hazardous Waste	**No**	—
Wastewater	**No**	—
Wells	**No**	—
Septic Systems or Cesspools	**No**	—

3.6 Environmental Records Review

EnSafe obtained standard environmental record source information directly from a commercial service, TDEC, and U.S. EPA databases. The Legends Park Subdivision (former Dixie Homes), which includes the subject property, was identified on the TDEC Voluntary Cleanup, Oversight and Assistance Program (VOAP), Brownfield, and Institutional Control databases.

The subject property is part of the Legends Park Subdivision/former Dixie Homes TDEC VOAP site. According to Ms. Alison Campany with the TDEC Division of Remediation, the MHA has entered into multiple BVAs to address impacts to soil, soil gas, and groundwater on various lots within the Legends Park Subdivision that are planned for future residential development and use. Based on the regulatory information reviewed, TDEC Division of Remediation site ID 79-846 (hereinafter referred to as the BVA site) includes the subject property. The BVA executed on September 29, 2009, outlines environmental conditions identified hydraulically upgradient of the site that include 1) chlorinated solvent and petroleum impacts to groundwater, and 2) the presence of hydrocarbons and drycleaning solvents in soil gas. Based on TDEC records reviewed, groundwater samples were collected from two sentinel wells (SW-1 and SW-2) on the southwest corner of the BVA site, not on the subject property, between October 2010 and July 2012 for analysis of VOCs. Chlorinated solvent detections exceeded the U.S. EPA drinking water maximum contaminant levels. TDEC records indicate VOC impacts to BVA site groundwater likely originated from historical uses associated with properties farther south.

Because the BVA site may not have been fully characterized, a Notification of Land Use Restrictions has been imposed. As it applies to the subject property, the land use restriction 1) prohibits the installation of water wells and use of groundwater at the subject property, 2) in the event of the discovery of contaminants in soil at the subject property, other than PAHs, the soil must be managed in accordance with a TDEC-approved soil management plan, and 3) may require the installation of soil vapor mitigation systems for buildings constructed at the subject property.

The 2020 Phase I ESA (EnSafe 2020) identified one subject property address, 335 Decatur Street, in the environmental database for the year 1921. The occupant was listed as Minkie Jos, a former clothes cleaner and presser. No additional information was provided in the 2020 database report; however, it is important to note that historical documents identify a storefront at this address and Minkie Jos may have operated as a dry cleaner. No additional information for this potential prior dry cleaner was identified as part of this Phase I ESA.

4.0 AREA RECONNAISSANCE

The current and historical uses of adjoining and surrounding area properties described below are based upon visual observations during the site reconnaissance and information obtained from interviews, historical research, and regulatory research conducted for the subject property. A commercial environmental database company provided a database search report that made environmental records for surrounding area properties within the ASTM-defined AMSDs reasonably ascertainable. Sites listed in the environmental records search within the ASTM-defined search distances for the databases on which they appear are discussed in Sections 4.1 through 4.3.

4.1 Adjoining Properties

The subject property is adjoined to the north by Peach Avenue then Interstate 40, beyond which are vacant grass-covered parcels and the former Carnes Elementary School; to the east by Decatur Street, beyond which are multi-family residences and Columbus Baptist Church; to the south (from east to west) by a vacant grass lot, Legends Park Townhomes, Delmar Avenue beyond which are Legends Parks Townhomes, Red Sox Lane beyond which is the Legends Park courtyard, and Legends Park Apartments; and to the west by a vacant grass lot which is a portion of the larger parcel encompassing the subject property.

4.1.1 North

The subject property is adjoined to the north, beyond Peach Avenue and Interstate 40, by vacant grass-covered parcels and the former Carnes Elementary School. Based on historical records reviewed, the north-adjoining properties were primarily residential, including a school, as early as 1897 and remained relatively unchanged through the early 1900s. However, a creek or drainage labeled "Run" is shown in the 1897 fire insurance map running through the north-adjoining properties, where Peach Avenue and Interstate 40 are present day, but this stream does not appear in subsequent records. The 1937 aerial photograph shows residential structures associated with the former Dixie Homes in the current location of Peach Avenue and Interstate 40, and it also shows two large buildings and numerous smaller buildings farther north. The 1951 fire insurance map shows primarily residential buildings, a church, and school buildings (the Former Carnes Elementary School) on the north-adjoining properties. The fire insurance map indicates that the school buildings were constructed in 1920, 1939, and 1944. The north-adjoining properties appear relatively unchanged until construction of Interstate 40 and the rerouting of Peach Avenue between 1969 and 1973. Except for the former Carnes Elementary School and associated additions, the north-adjoining properties beyond Interstate 40 remain either residential or vacant grass-covered lots.

No environmental records were identified for the north-adjoining properties.

4.1.2 East

The subject property is adjoined to the east, beyond Decatur Street, by multi-family residences and Columbus Baptist Church. Based on historical records reviewed, the east-adjoining properties were residentially developed as early as 1897. A church is depicted on the 1907 fire insurance map. City directories list primarily residential addresses for the east-adjoining properties from at least 1932 until 2005 and Columbus Baptist Church from at least 1940 to 2011.

No environmental records were identified for the east-adjoining properties.

4.1.3 South

The subject property is adjoined to the south (east to west) by a vacant lot, Legends Park Townhomes, Delmar Avenue beyond which are Legends Parks Townhomes, Red Sox Lane beyond which is the Legends Park courtyard, and Legends Park Apartments. Based on historical records reviewed, the south-adjoining properties were primarily residential with some shops as early as 1897 and 1907. The 1927 topographic map shows numerous small structures on the south-adjoining property, and by 1937 the property is redeveloped with residential structures associated with the former Dixie Homes. Based on historical records reviewed, the south-adjoining properties remained residential until 2007 when the area was cleared for redevelopment. The 2010 aerial photograph shows an apparent storm water detention basin on the western part of the south-adjoining property. The 2012 aerial photograph shows the detention basin has been filled, likely when the Legends Park Apartments were constructed. According to Ms. Phillips, the Legends Park Townhomes were constructed in 2009.

The south-adjoining properties are within the Legends Park Subdivision VOAP/BVA site as previously discussed in Section 3.6.

Gordon Cleaners and Dyers, at 311 Decatur Street, was identified as a former clothes cleaner and presser in the 1932 historical city directory obtained for the February 2022 Phase I ESA. No additional information was identified in historical and database resources obtained for this Phase I ESA; however, it is important to note that historical fire insurance maps identify a storefront at this address in 1907 and Gordon Cleaners and Dyers may have operated as a dry cleaner.

4.1.4 West

The subject property is adjoined to the west by a vacant grass lot that is the west portion of Shelby County Parcel 051017 00018, which includes the subject property. Based on historical records reviewed, the west-adjoining property was previously developed with multi-family residential lots as early as 1897. The 1907 fire insurance map and 1927 topographic map show numerous small structures on the west-adjoining property, with an area clear of structures on the west side. The 1937 aerial photograph shows at least two residential structures associated with the former Dixie Homes on the east half of the west-adjoining property, while the west half is clear of structures. The 1951 fire insurance map indicates the west portion of the west-adjoining property is a playground. Based on historical records reviewed, the west-adjoining property remained a residential and playground/park area until 2007 when the area was cleared for redevelopment. The 2010 aerial photograph shows an apparent storm water detention basin on the west-adjoining property. The 2012 aerial photograph shows the detention basin has been filled and the west-adjoining property is a vacant grass-covered area. According to Ms. Payne, the west-adjoining property was used to stockpile soil from the Legends Park Subdivision construction and environmental activities occurring from 2009 to 2012.

The west-adjoining property is located within the Legends Park Subdivision VOAP/BVA site as previously discussed in Section 3.6. Based on TDEC records reviewed, PAH-impacted soils were used as geotechnical fill material on the west-adjoining property. In accordance with BVA Site ID 79-846, to prevent exposure to the PAH contaminants remaining in the soil, an orange plastic witness barrier was placed over impacted soil, then covered with at least 2 feet of clean fill material, between June and October 2010.

4.2 Surrounding Area Properties

The subject property is on the northeast side of downtown Memphis. The surrounding properties have been developed with residential, commercial, and light industrial properties since at least 1897. The environmental database search identified a total of 38 sites beyond the subject property and adjoining properties. Of these sites, 11 are within the ASTM-defined AMSDs; additionally, six sites not listed on the environmental database report were identified in the prior 2020 and 2022 Phase I ESAs. The 17 sites identified within the ASTM-defined AMSDs are summarized in Table 4.

Table 4
Surrounding Area Environmental Database Listings

Facility Name	Address(es)	Approximate Distance from Subject Property	Database Listing(s)	Identification Number(s)	Status	Notes	Potential Impact to Subject Property
Memphis Bulk Plant	432 North Dunlap Street	0.25 mile northwest	LUST, VCP, and SRP	790769 and 799001	Closed, Land Use Restrictions	• Petroleum constituents detected in soil, soil gas, and groundwater. • Groundwater flows generally to the west. • Site-specific standards issued • TDSWM approves closure with land-use restrictions in 2005.	Not expected to migrate to subject property based on groundwater flow direction
Southern Steel	431 Dunlap Street	0.28 mile northwest	VCP, SRP, and Institutional Controls	791072	No Further Action	• Petroleum constituents detected in soil. VOCs and SVOCs detected in groundwater. • TDSWM approves closure with land-use restrictions in 2009.	Not expected to migrate to subject property based on site regulatory status and groundwater flow direction
Church's Fried Chicken	925 Poplar Avenue	0.26 mile south-southwest	VCP and SRP	790379	Inactive, No Further Action	• Petroleum impacts in soil and shallow groundwater. • Groundwater flow reported to the north/northwest. • SRP issued no further action required for petroleum impacts on March 1, 2011.	Not expected to migrate to subject property based on site regulatory status and groundwater flow direction
Le Bonheur Hospital/Memphis Mental Health Institute	865 Poplar Avenue	0.28 mile southwest	VCP and SRP	792714 and 791119	Closed	• EPH detected in soil samples. • SRP issued no further action required status on November 17, 2009.	Not expected to migrate to subject property based on contamination being limited to soils and distance to subject property
VA Medical Center	1030 Jefferson Avenue	0.25 mile south	SEMS and LUST	TNN000410932 and 790807	Closed	• One UST was removed in December 1998; TDEC DUST issued closure on November 5, 1999.	Not expected to have had contamination that migrated to subject property based on regulatory status and distance from subject property

Table 4
Surrounding Area Environmental Database Listings

Facility Name	Address(es)	Approximate Distance from Subject Property	Database Listing(s)	Identification Number(s)	Status	Notes	Potential Impact to Subject Property
University Behavioral	135 North Pauline	0.33 mile south	LUST	791029	Case Closure	• One 2,000-gallon diesel UST and associated piping were removed in January 1999. • Soil detections below applicable action levels. • TDEC DUST issued case closure on July 1, 1999.	Not expected to have had contamination that migrated to subject property based on soil analysis and regulatory status
Amoco/ Poplar Avenue BP	821 Poplar Avenue	0.38 mile southwest	LUST	791083	Case Closure	• Petroleum impacts identified in soil and groundwater. • TDEC DUST issued contaminated case closure on August 28, 2015.	Not expected to migrate to subject property based on distance from the subject property and groundwater flow direction
Success Cleaners	1000 Jefferson Avenue	0.41 mile south	SRP	79867	Non-site	• Site identified along with Memphis Steam Laundry & Cleaners site as possible source of PCE detected in groundwater samples collected at the Legends Park Subdivision site. • TDEC files from 2018 indicate the site is to be considered a "non-site" until impacts are recognized.	Potential for contamination to have migrated to the subject property based on possible drycleaning operations and groundwater flow direction
Auto-Chlor System	746 Poplar Avenue	0.43 mile southwest	LUST, VCP, and SRP	790057, 79774, and 791083	Closed	• Petroleum hydrocarbon, VOC, and PAH impacts in soil and groundwater • Radial groundwater flow to the northwest, northeast, and southwest. • TDEC DOR issued no further action with land-use restrictions on October 26, 2016.	Potential for contamination to have migrated to the subject property based on groundwater analysis and flow direction

Table 4
Surrounding Area Environmental Database Listings

Facility Name	Address(es)	Approximate Distance from Subject Property	Database Listing(s)	Identification Number(s)	Status	Notes	Potential Impact to Subject Property
Spic N Span	813-815 Poplar Avenue	0.41 mile southwest	SRP and DCERP	79217	Closed	• Benzene, PCE, TCE, vinyl chloride, and 1,2-dichloroethylene were detected in groundwater above applicable action levels and benzene, PCE, and 1,2-dichloroethylene were detected in soil below applicable action levels. • DCERP authorized closure on November 13, 2007.	Not expected to migrate to the subject property based on distance from the subject property, regulatory status, and groundwater flow direction
Memphis Steam Laundry and Cleaners	941 Jefferson Avenue	0.41 mile south-southwest	SRP	79855	Open	• Site identified along with Success Cleaners site as possible source of PCE detected in groundwater samples collected at the Legends Park Subdivision site. • TDEC files indicate a schedule for a sampling event was proposed for June 2009; however, records reviewed do not indicate if the event took place. At the time of this report's writing, the site is listed as "Pre-Remedial".	Potential for contamination to have migrated to the subject property based on possible drycleaning operations and groundwater flow direction
Extra Express Market/ 7-Eleven/ Flash Oil Co #72	777 Poplar Avenue	0.42 mile southwest	LUST	791539	Contamination Case Closed	• Petroleum contaminated soil and groundwater identified. • TDEC DUST issued case closure on May 9, 2018.	Not expected to migrate to the subject property based on distance from the subject property, regulatory status, and groundwater flow direction

Table 4
Surrounding Area Environmental Database Listings

Facility Name	Address(es)	Approximate Distance from Subject Property	Database Listing(s)	Identification Number(s)	Status	Notes	Potential Impact to Subject Property
Air Mask Service Unit	1010 Faxon Avenue	0.43 mile north	LUST	791109	Completed Tank Closure	• One 500-gallon diesel UST and associated piping drained and capped in September 1991. • Soil sample results collected from tank pit were non-detect or below applicable action levels for petroleum constituents. • TDEC DUST issued case closure on February 26, 1996.	Not expected to migrate to subject property based on contamination being limited to soils, distance to subject property, and groundwater flow direction
The Med Adam's Building	842 Jefferson Avenue	0.45 mile south-southwest	LUST	792354	Contamination Case Closed	• One 20,000-gallon UST and associated piping drained and capped in July 1999. • TDEC DUST issued case closure on February 6, 2002.	Not expected to have had contamination that migrated to the subject property based on regulatory status
Le Bonheur Faculty Office Building	824 Adams Avenue	0.46 mile southwest	LUST	799039	Completed Tank Closure	• One 1,000-gallon UST, one 500-gallon UST, and piping were removed in August 2015. • Soil samples collected from tank pit non-detect or below applicable action levels for petroleum constituents. • TDEC DUST issued case closure on August 18, 2015.	Not expected to have had contamination that migrated to the subject property based on soil analysis
Former Scott Union	749 North Parkway	0.47 mile northwest	LUST	790606	Contamination Case Closed	• Four 4,000-gallon and one 500-gallon USTs removed in February 1993. TDEC DUST issued case closure on May 13, 1993. • Release identified during Phase II in January 2000; impacted soils excavated; TDEC DUST issued case closure on September 13, 2000.	Not expected to have had contamination that migrated to the subject property based on soil analysis and groundwater flow direction

Table 4
Surrounding Area Environmental Database Listings

Facility Name	Address(es)	Approximate Distance from Subject Property	Database Listing(s)	Identification Number(s)	Status	Notes	Potential Impact to Subject Property
Super Stop	945 Jackson Avenue	0.49 mile north	LUST	791890	Contaminated Closure	• Three USTs removed in August 1997. • TDEC DUST issued contaminated closure on October 2, 2000.	Not expected to migrate to the subject property based on distance from the subject property and groundwater flow direction

Notes:
LUST = Leaking Underground Storage Tank
VCP = Voluntary Cleanup Program
SRP = State Remediation Program
TDSWM = Tennessee Division of Solid Waste Management
VOC = volatile organic compound
SVOCs = semi-volatile organic compounds
EPH = Extractable petroleum hydrocarbon
SEMS = Superfund Enterprise Management System
UST = Underground storage tank
TDEC = Tennessee Department of Environment and Conservation
DUST = Division of Underground Storage Tanks
PCE = Tetrachloroethylene or perchloroethylene
PAH = Polyaromatic hydrocarbon
DOR = Division of Remediation
DCERP = Drycleaner Environmental Response Program
TCE = Trichloroethylene

4.3 Unmapped Sites

The environmental database search identified four sites with environmental records which it could not map due to poor or inadequate address information. Based on location information included in the database listings, online mapping tools, and from Ms. Alison Company, each site was determined to be beyond the ASTM-defined AMSDs for the databases on which it was listed and was not researched further.

5.0 RESULTS OF THE ENVIRONMENTAL PROFESSIONAL INQUIRY

EnSafe performed a Phase I ESA of the Block A of the Legends Park Subdivision property in Memphis, Shelby County, Tennessee, in general conformance with the scope and limitations of ASTM 2013. Any exceptions to, or deletions from, this practice mentioned throughout the report are discussed in Sections 5.3 and 5.4.

5.1 Summary of Findings and Conclusions

- The subject property consists of 3.82 acres of a larger 4.77-acre vacant parcel identified as Shelby County Parcel 051017 00018 and is located within the 30.91-acre Legends Park Subdivision (former Dixie Homes housing complex). The subject property is adjoined to the north by Peach Avenue then Interstate 40; to the east by Decatur Street then multi-family residences and a church; to the south by multi-family townhomes, Red Sox Lane, and apartment buildings; and to the west by a portion of the vacant larger parcel.

- The subject property has been developed since at least 1897 with single and multi-family residential buildings. The subject property was part of the former Dixie Homes public housing development from 1937, until 2006 when the area was cleared for redevelopment as the Legends Park Subdivision.

- The BVA Site 79-846 includes the subject property. The BVA executed on September 29, 2009, outlines environmental conditions identified hydraulically upgradient (south) of the site that include: 1) chlorinated solvent and petroleum impacts to groundwater; and 2) the presence of hydrocarbons and drycleaning solvents in soil gas. Because the site may not have been fully characterized, a Notification of Land Use Restrictions has been imposed. As it applies to the subject property, the land use restrictions 1) prohibit the installation of water wells and use of groundwater at the subject property, 2) in the event of the discovery of contaminants in soil at the subject property, the soil must be managed in accordance with a TDEC-approved soil management plan, and 3) may require the installation of soil vapor mitigation systems for buildings constructed at the subject property.

- Minkie Jos, a former clothes cleaner and presser, has been identified at the subject property in environmental database records and historical city directories for the year 1921. No additional information was provided in the database records; however, it is important to note that historical documents identify a storefront at this address, which could potentially have been operated as a dry cleaner.

- On the south-adjoining property, one address (311 Decatur Street) was identified in the 1932 city directory as Gordon Cleaners and Dyers, a former clothes cleaner and presser. No additional information was identified in historical records reviewed; however, it is important to note that historical fire insurance maps identify a storefront at this address in 1907, and Gordon Cleaners and Dyers may have operated as a dry cleaner.

- The west and south-adjoining properties are located within BVA Site ID 79-846. Based on TDEC records reviewed, PAH-impacted soils were used as geotechnical fill material on the west-adjoining property. In accordance with BVA Site ID 79-846, to prevent exposure to the PAH contaminants, the soil is contained beneath an orange witness barrier and clean fill material.

- The surrounding area has been developed with residential, commercial, and light industrial properties since at least 1897. Various commercial/light industrial businesses such as gasoline stations, automobile repair and service shops, and dry cleaners have operated on surrounding area properties that are expected to have used and possibly stored regulated materials including solvents and other hazardous substances/petroleum products. A total of 17 sites, beyond the subject property and adjoining properties, were identified on environmental databases as having documented releases of hazardous substances and/or petroleum products. One of these sites, Memphis Steam Laundry and Cleaners at 941 Jefferson Avenue, has potential for contamination to have migrated to the subject property.

- Five soil gas samples were collected throughout the subject property in 2021. Benzene and naphthalene were detected at concentrations exceeding the U.S. EPA residential VISLs in one sample location (SG01) on the southeast portion of the subject property. Additionally, concentrations in the sample from location SG01 exceeded the acceptable residential carcinogenic risk quotient of 1E-05 with a result of 1.20E-05. The planned construction of a new building at the subject property is not in the vicinity of SG01; however, the intended use of the subject property and location of future structures will dictate further recommendations for soil vapor mitigation.

5.2 Environmental Professional Opinion

This assessment has revealed evidence of the following *recognized environmental condition* and *controlled recognized environmental condition* in connection with the subject property:

- BVA Site ID 79-846 includes the subject property and adjoining properties west and south of the subject property. The BVA outlines environmental conditions identified upgradient of these properties that include 1) chlorinated solvent and petroleum impacts to groundwater, and 2) the presence of hydrocarbons and drycleaning solvents in soil gas. Additionally, numerous sites in the subject property surrounding area have reported releases of hazardous substances and/or petroleum products. Given the BVA and number of sites in the subject property area with reported releases of hazardous substances and/or petroleum products, the potential exists for regional groundwater contamination which constitutes a *recognized environmental condition* for the subject property.

- The subject property is subject to land sea restrictions that 1) prohibit the installation of water wells and use of groundwater at the subject property, 2) in the event of the discovery of contaminants in soil at the subject property, the soil must be managed in accordance with a TDEC-approved soil management plan, and 3) may require the installation of soil vapor mitigation systems on buildings constructed at the subject property. Therefore, the land use restrictions are considered a *controlled recognized environmental condition*.

5.3 Data Gaps

No data gaps were encountered that limited EnSafe's ability to identify *recognized environmental conditions*.

5.4 Limitations and Exceptions

EnSafe's Phase I ESA generally conforms to ASTM 2013. EnSafe did not sample soil, soil vapor, groundwater, or surface water as part of the Phase I ESA. Assessment of these items is based upon visual observations and sources as referenced throughout the report. This report should not be construed as verifying the present property owner or operator's compliance with federal, state, and local regulations or as a recommendation to purchase, sell, or develop the subject property.

5.5 Significant Assumptions

This report is a prudent, reasonable evaluation of the subject property's observed environmental condition. EnSafe assumes no responsibility for conditions or information not practically reviewable, or information not accurately disseminated by any party. The following significant assumptions were used to formulate the conclusions and opinions contained in this report:

- Groundwater flow generally follows topography.
- Environmental database information is accurate and complete.
- Conditions at the time of the site visit were representative of ordinary conditions at the subject property.
- The subject property boundaries depicted on figures and described herein are accurate.

5.6 User Reliance

The assessment was prepared under contract for the exclusive use of PennRose. Any other party's reliance on this report is at risk unless EnSafe grants authorization. In accordance with ASTM 2013, this Phase I ESA is presumed to be valid for 180 days from the date of completion. A Phase I ESA that meets or exceeds this practice and was completed more than 180 days previously may be used to the extent allowed in Sections 4.7 and 4.8 of ASTM 2013.

6.0 REFERENCES

Alston, P. (regulatory file review). Manager, Fire Prevention Bureau Memphis Fire Department. 2668 Avery Avenue, Memphis, Tennessee. 901-636-5401. 2023, January 17.

ASTM International. *Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process*. Designation E1527-13. 100 Barr Harbor Drive, West Conshohocken, Pennsylvania 19428. November 2013.

Cambrice, V. (regulatory file review). Environmental Scientist, Tennessee Department of Environment and Conservation, Division of Remediation, 312 Rosa L. Parks Avenue, Nashville, Tennessee, 37243. valencia.cambrice@tn.gov. 2023, January 9.

Campany, A. (phone interview). Remediation Project Manager, Tennessee Department of Environment and Conservation, Memphis Environmental Field Office, 8383 Wolf Lake Drive, Bartlett, Tennessee. 901-371-3040. alison.campany@tn.gov. 2023, January 27.

EnSafe Inc. *Phase I Environmental Site Assessment Report, Block A of the Legends Park Subdivision, Memphis, Tennessee 38105*. 5724 Summer Trees Drive, Memphis, Tennessee 38134. November 2020.

— EnSafe Inc. *Phase I Environmental Site Assessment*. Legends Park Subdivision, Block A, Memphis, Tennessee 38105. 5724 Summer Trees Drive, Memphis, Tennessee. February 28, 2022.

— EnSafe Inc. *Phase I Environmental Site Assessment*. Legends Park Subdivision, Block A, Memphis, Tennessee 38105. 5724 Summer Trees Drive, Memphis, Tennessee. September 21, 2022.

EnSafe Inc. *Phase II Environmental Site Assessment, Block A, Legends Park Subdivision, Memphis, Tennessee*. 5724 Summer Trees Drive, Memphis, Tennessee 38134. December 2021.

Environmental Risk Information Services. *ERIS Database Report, 0888834137 - Legends Park Block A Phase I Update (2023), Legends Park Block A, Memphis TN*. Order No. 23010500258. 266 Elmwood Avenue, Box 930, Buffalo, New York 14222. 866-517-5204. 2023, January 9.

Google Earth. (website). Aerial imagery. January 2023. Retrieved from: http://www.earth.google.com

Payne, D. (interview). Grant Analyst, Memphis Housing Authority. 700 Adams Avenue, Memphis, Tennessee. 901-544-1827. dpayne@memphisha.org. 2023, January 12.

Phillips, L. (interview). Director of Development, Memphis Housing Authority. 700 Adams Avenue, Memphis, Tennessee. lphillips@memphisha.org. 2023, January 12.

Shelby County Assessor of Property. (property information). January 2023. Retrieved from: https://www.assessor.shelby.tn.us/content.aspx.

Tennessee Department of Environment and Conservation. 2001. Division of Geology. Hazardous Trace Elements in Tennessee Soils and Other Regolith. Report of Investigations No. 49. Nashville, Tennessee. 135 p.

Tennessee Department of Environment and Conservation. (website). Public Records Request. January 2023. Retrieved from https://www.tn.gov/environment/contacts/public-records-request.html

— (website). Division of Remediation Data and Map Viewer online records research. January 2023. Retrieved from https://www.tn.gov/environment/about-tdec/tdec-dataviewers.html

United States Environmental Protection Agency. Envirofacts. (website). Regulatory information search. January 2023. Retrieved from: https://enviro.epa.gov/

United States Environmental Protection Agency Enforcement and Compliance History Online. (website). Regulatory information search. January 2023. Retrieved from: https://enviro.epa.gov/

Appendix A
Figures

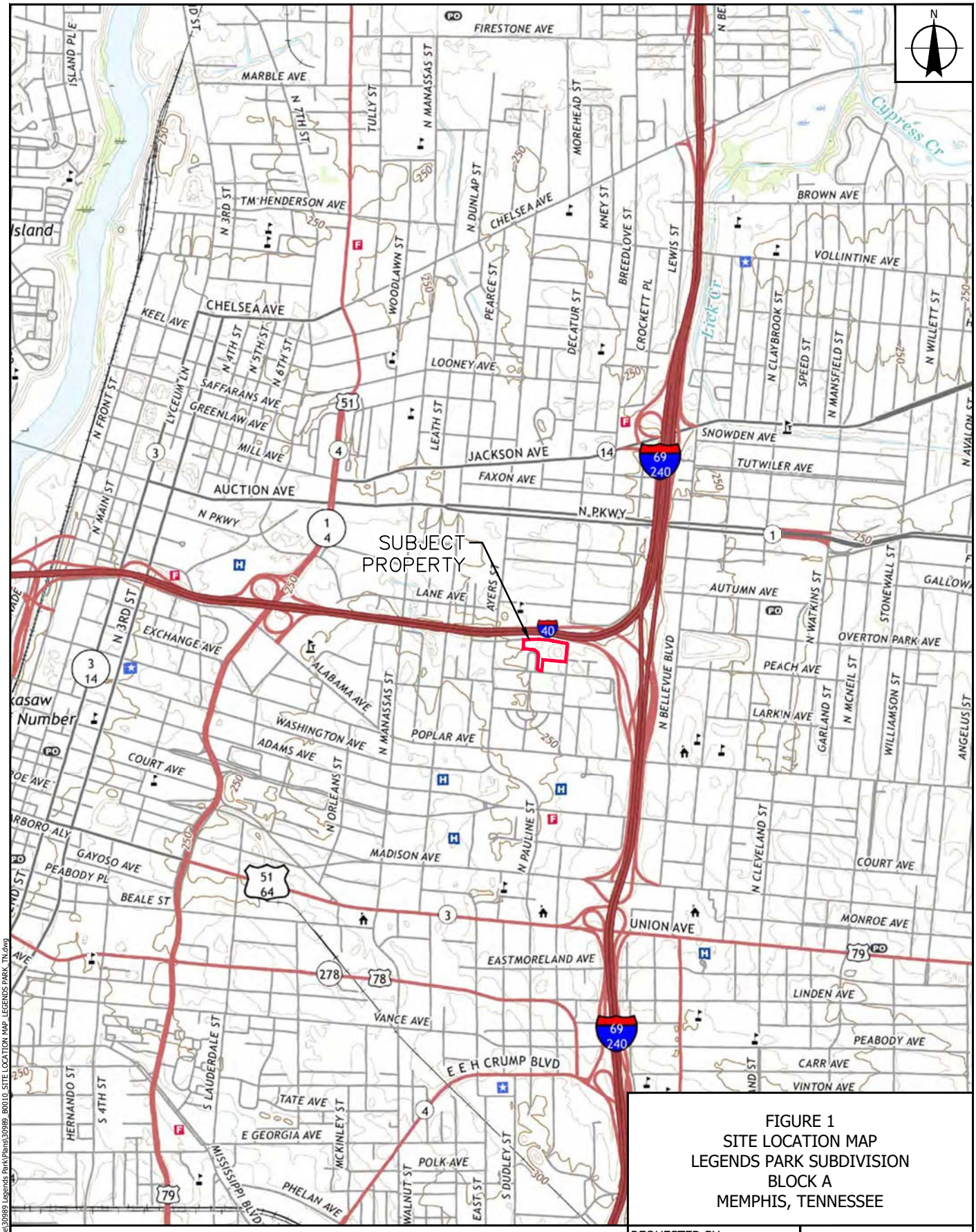

FIGURE 1
SITE LOCATION MAP
LEGENDS PARK SUBDIVISION
BLOCK A
MEMPHIS, TENNESSEE

LEGEND

SUBJECT PROPERTY/REDUCED PARCEL BOUNDARY

NAD 1983
UTM ZONE 18 NORTH

0 1,000 2,000

SCALE IN FEET

REQUESTED BY:	TH
DRAWN BY:	WM
DATE:	1/12/2023
PROJECT:	0888830989

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Source: U.S. Geological Survey.Northwest Memphis Quadrangle, Tennessee [Map]. Photorevised 2019. 1:24,000. 7.5 Minute Series.

I:\CAD PROJECTS\Pennoni\30989 Legends Park\Plans\30989_80010_SITE LOCATION MAP_LEGENDS PARK_TN.dwg

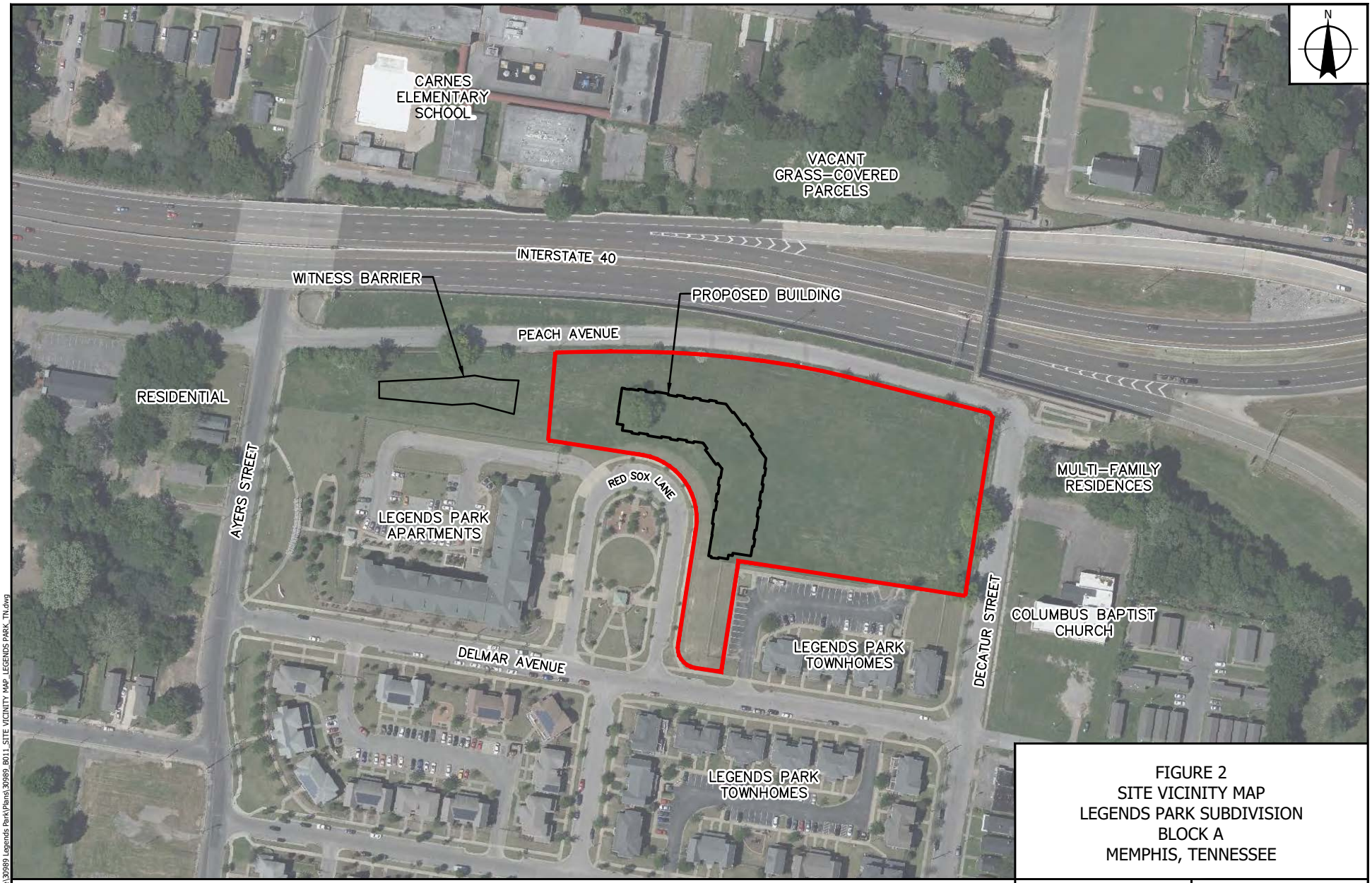

FIGURE 2
SITE VICINITY MAP
LEGENDS PARK SUBDIVISION
BLOCK A
MEMPHIS, TENNESSEE

LEGENDS

SUBJECT PROPERTY/REDUCED PARCEL BOUNDARY

NAD 1983 STATE PLANE TENNESSEE FEET

0 100 200

SCALE IN FEET

REQUESTED BY:	TH
DRAWN BY:	WM
DATE:	1/12/2023
PROJECT:	0888830989

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I:\CAD PROJECTS\Penrose\30989 Legends Park\Plans\30989_B011_SITE VICINITY MAP_LEGENDS PARK_TN.dwg

Appendix B
Resumes

ALLISON HARRIS, PG
Senior Geologist

EDUCATION

MS, Geology, University of Memphis, 1990

BS, Geology, University of Memphis, 1986

REGISTRATIONS

- Tennessee Professional Geologist, No. 788, 1989
- OSHA 1910.120 Health and Safety Training, including medical surveillance
- First aid and CPR certified, 2016

Allison has 29 years of experience in a variety of environmental programs. She is the project manager for multiple sites including Security Signals, an operable unit of the larger National Fireworks site where ammunitions were manufactured during World War II. As project manager, Allison is responsible for all aspects of this Superfund-Equivalent site. She ensures compliance with the Administrative Order of Consent, works closely with Tennessee Department of Environment and Conservation (TDEC) and USEPA regulators, and negotiates access agreements with offsite property owners. The investigation is being performed in phases to provide a cost-effective approach for the client and to allow for flexibility based on investigation findings. Known contamination includes trichloroethylene (TCE); suspected contaminants included perchlorate and various explosives.

RELEVANT EXPERIENCE

SUPERFUND PROJECTS

Remedial Investigation/Feasibility Study, US Navy, Naval Air Station (NAS) Pensacola, FL (2012-2018)

As task order manager, responsible for preparing remedial investigation/ feasibility study (RI/FS) planning documents, including Sampling and Analysis Plans, Investigation-Derived Waste (IDW) Plan, Proposed Plans, Records of Decision, and a Community Relations Plan. Other documents under her responsibility include RI Reports, Baseline Risk Assessments including Ecological Risk Assessments, FS Reports, and Site Characterization Reports. Managed CERCLA multi-phased field investigation of a 5.5-mile industrial waste sewer line including RCRA clean-closure of the industrial sewer line. The sewer line investigation included overseeing temporary and permanent monitoring well installations, monitoring well abandonment, and groundwater and soil sampling. This project was conducted under the Comprehensive Long-term Environmental Action Navy (CLEAN) program with USEPA Region 4 and the Florida Department of Environmental Protection (FDEP). Additional responsibilities included community relations activities, including establishing a Restoration Advisory Board and producing news releases, fact sheets, and public notices. Managed multidisciplinary staff from three separate offices. Specific project management responsibilities included proposal preparation, budgeting, cost tracking, invoicing, report generation, and client/agency liaison. Work performed at NAS Pensacola has earned one Secretary of the Navy and two Chief of Naval Operations awards.

TCE Remediation, Former ITT Telecomunications Facility, Milan, TN (2005-present)

Project manager for a chlorinated solvent investigation at an inactive facility contaminated by TCE and its breakdown products. The mile-long groundwater plume had previously impacted multiple private drinking water wells. Activities completed for the site include a focused FS evaluation of the source area and a human health risk assessment. National Contingency Plant (NCP) consistency activities included completing an Administrative Record, issuing a proposed plan and placing public notices announcing the comment period, and completing a Community Involvement Plan. The pilot test of an air sparge system determined that the system would be technically effective as well as cost-effective for the site, despite the great depth to groundwater.

Groundwater Monitoring, LaRoche Industries, Inc., Memphis, TN (2005)

Project manager for an RI/FS at a site investigated under the TDEC Division of Superfund. Responsibilities include assessment of an ongoing interim action for groundwater, finalizing the RI/FS report, monitoring well

installation, and groundwater sampling. This site was removed from the Tennessee Superfund list in November 2005.

Remedial Investigation/Feasibility Study, Tennessee Electroplating, Inc., Ripley, TN (2005)

Project manager for an RI/FS site being conducted under the TDEC Division of Superfund voluntary program. The investigation included delineating the extent of contamination in groundwater using direct-push technology (DPT), installing confirmation monitoring wells, and collecting soil and groundwater samples. Other responsibilities included completing a work plan, evaluating site data, negotiating with TDEC, and completing an RI/FS report.

BRAC Program Closure Investigation, US Navy, NAS Glenview, IL (2012)

As project geologist for Base Realignment and Closure (BRAC) program closure investigation at NAS Glenview, assisted with the field investigation and completed the RI/FS work plan. The investigation was conducted in accordance with CERCLA under the Navy's CLEAN program. Also coordinated the Administrative Record file for the facility. The Illinois Environmental Protection Agency and USEPA Region 5 were the regulatory agencies involved in the investigation.

Soil Sampling, Barmet Aluminum, Fort Hartford, KY (2016)

As project geologist responsible for logging and collecting soil samples from borings advanced across the site.

Subsurface Investigation, Amoco Corp. and Helena Chemical Co., Hayti, MO

This investigation included advancing soil borings for subsurface soil collection and installing onsite monitoring wells. Conducted onsite soil, sediment, and groundwater sampling and also assessed the presence of earthquake-induced liquefaction features at the facility. Compiled information and analytical data and wrote the report in accordance with a USEPA order. Met all USEPA deadlines for the report.

*Superfund Site, Waste Management Landfill, Anoka, MN (1991)

As project geologist for monitoring well and recovery well installations and soil boring investigation at this State of Minnesota Superfund site, responsible for overseeing subcontractors and completing boring logs of the complicated glacial lithology and bedrock.

CHLORINATED SOLVENT PROJECTS

Chlorinated Solvent Investigation, Bass, Berry & Sims, West Tennessee (2008)

Project geologist for a chlorinated solvent investigation at this active West Tennessee facility. This site has many challenges including complex geology, presence of dense non-aqueous-phase liquid (DNAPL), and an adjacent municipal wellfield. The investigation included advancing soil borings, installing onsite and offsite monitoring well nests, collecting soil and groundwater samples, performing a hydrogeologic investigation, and disposing of IDW.

Interim Remedial Action, former Spic N Span Cleaners, DCERP Project, Memphis, TN (2014-2016)

As project geologist, managed and conducted interim remedial action at this Dry Cleaner Environmental Response Program (DCERP) site in Memphis that is also under the Brownfields program. Work included injecting emulsified soybean oil into the source area. Duties included subcontractor selection and management and liaison with DCERP personnel. Project management included submitting reports to the state for approval and completing reimbursement applications for state payment.

PETROLEUM PROJECTS

Underground Storage Tank Investigation, Naval Support Activity Mid-South, Millington, TN (2007)

Task order manager for an underground storage tank (UST) investigation. The investigation included advancing soil borings using hollow-stem auger and DPT techniques, installing monitoring wells, collecting soil and groundwater samples, and disposing of IDW. Authored a contamination assessment report for the site. Because chlorinated solvent contamination was also detected onsite, the site was transferred to another program.

Underground Storage Tank Investigation, Carrier Corp., Brondby, Denmark (2009)
As project geologist for a UST investigation to assess whether the tank was leaking. Subsurface soil was assessed by advancing soil borings around the tank and collecting soil samples from beneath the tank. Authored a report detailing the investigation.

Underground Storage Tank Field Investigations, US Navy, NAS Kingsville, TX (2016)
Project geologist for field investigations at three UST sites. The field investigations included a soil-gas survey, soil boring advancement, monitoring well installation, and soil and groundwater sample collection. Authored a Contamination Assessment Report for one of the sites.

*Investigation and Remedial Activities, Clark Oil, Various Facilities in Minnesota (1991)
Project geologist for site investigations and remedial activities for various UST sites. Assimilated raw field data and analytical data into final technical reports. Also completed applications for the client to seek reimbursement from the state's Petrofund. Specific field experience included advancing soil borings, installing monitoring wells, organizing and supervising UST excavation and disposal, coordinating and monitoring contaminated soil excavation and disposal, onsite soil disposal, soil and groundwater sampling, and installation and maintenance of groundwater recovery and treatment systems.

*Tank Closures, Site Investigations, Remedial Activities, Ryder Truck Rental, Various Facilities in Florida, Wisconsin and Illinois (1991)
Project geologist for tank closures, site investigations, and remedial activities for six UST sites. Assimilated raw field data and analytical data into final technical reports in accordance with the applicable state regulations.

RCRA PROJECTS

Environmental Investigation, Lucite International, Olive Branch, MS (2010)
Project manager for investigation completed for two solid waste management units at this active facility. Authored work plan, coordinated field investigation, and authored final report. This facility received a no-further-action status upon completion of this investigation.

Naval Support Activity Mid-South, Millington, TN (2007)
Authored a RCRA Facility Investigation Report for a solid waste management unit at this facility undergoing realignment. This project was conducted under the Navy's CLEAN program with USEPA Region 4 and TDEC.

Comprehensive Sampling and Analysis Plan, Charleston Naval Shipyard RFI, Charleston, SC (2012-2013)
Assisted in preparing the RCRA Facility Assessment comprehensive work plan for the facility. Wrote the Comprehensive Sampling and Analysis Plan for field activities to be performed during the investigation.

BROWNFIELDS

Site Investigation, Memphis Biofuel, Memphis, TN (2007)
Project manager for site investigation at a former chemical manufacturing facility. The investigation included soil and groundwater sampling. Areas of identified toxaphene contamination in soil were managed under a Soil Management Plan. The Brownfields agreement was subsequently signed with the plan included as an appendix.

Site Investigation, Z-Mart, Memphis, TN (2002)
Project manager for site investigation at a former petroleum UST site. The site was proposed for inclusion in a Brownfields agreement for redevelopment with two other properties. After completing the investigation, managed the completion of the Removal Action Work Plan for the identified soil contamination. The plan was approved by TDEC with minimal comments. A Demolition Plan completed for the onsite building accounted for handling of contaminated materials that was encountered at the site. The building was demolished and a successful soil removal action was performed.

Site Investigation, Mid-South Nephrology Clinic, Memphis, TN (2005)
Project manager for site investigation at a former automatic transmission shop and cleaners site. The site was proposed for inclusion in a Brownfields agreement for redevelopment. The investigation included soil and groundwater sampling using DPT to delineate the nature and extent of contamination.

SOLID WASTE

*Soil Boring Investigation, Laidlaw Sanitary Landfill, Terra Haute, IN (1990)

Project geologist for monitoring well installations and soil boring investigation.

*Groundwater Monitoring System Work Plan, Northeast Otter Tail County Sanitary Landfill, New York Mills, MN (1991)

Hydrogeologist for the Northeast Otter Tail Sanitary Landfill. Authored a Groundwater Monitoring System Work Plan in accordance with Minnesota Solid Waste Rules.

SITE ASSESSMENTS

Property Transfer Investigation, Wright Medical, Arlington, TN (2006)

Project manager for a fast-track investigation of a potential property transfer. Investigation included DPT sampling of soil and groundwater, trenching of anomalies identified during a geophysical survey, and sediment sampling. Project was completed in approximately 30 days and met all of the client's objectives and data needs.

Hazardous Materials Sampling, Guardian Industries, Various Facilities in Tennessee, Missouri, and Arkansas (2008)

Project manager for a fast-track investigation of a potential stock transfer at various automotive manufacturing facilities. Investigation included DPT sampling of soil and groundwater and asbestos sampling. Project was completed in approximately 30 days and met all of the client's objectives and data needs.

Phase I Environmental Site Assessments, Great Smoky Mountain National Park, Gatlinburg, TN (2005)

Project manager for two Phase I Environmental Site Assessments (ESAs) as related to the Tapoca Land Exchange. One of the ESAs was completed for an area of approximately 110 acres, while the second area was approximately 281 acres. Responsibilities included proposal preparation, budgeting, cost-tracking, invoicing, report generation, and client liaison.

Phase I Environmental Site Assessment, National Park Service, St. John U.S. Virgin Islands (2001)

Project manager for a Phase I ESA for a 375-acre tract. Responsibilities included proposal preparation, budgeting, cost-tracking, invoicing, report generation, and client liaison.

Phase I and II ESAs, National Park Service, Stones River National Park, Murfreesboro, TN (2001)

Project manager for Phase I and II investigations completed on two tracts being considered for purchase by the National Park Service. Responsibilities included proposal preparation, budgeting, cost-tracking, invoicing, report generation, and client liaison.

Phase I Environmental Site Assessments, Bass, Berry & Sims, Alabama and Indiana (2006)

Project manager for Phase I ESAs completed on property considered for purchase by the client. Responsibilities included proposal preparation, budgeting, cost-tracking, invoicing, report generation, and client liaison.

Phase I Environmental Site Assessment, Bass, Berry & Sims, Arkansas (2006)

Project manager for Phase I ESA completed on property considered for purchase by the client. The property was a former tie manufacturing facility. Responsibilities included proposal preparation, budgeting, cost-tracking, invoicing, report generation, and client liaison.

Phase I and II Site Investigations, Bass, Berry & Sims, La Mirada, CA (2005)

Project manager for Phase I and II investigations completed on property considered for purchase by the client. Phase II activities included monitoring well installation, soil sampling, and groundwater sampling. Responsibilities included proposal preparation, budgeting, cost-tracking, invoicing, report generation, client liaison, and coordinating with other parties' consultants.

Phase I Environmental Site Assessments, Performance Food Group, Various Sites in Illinois, Mississippi, and Arkansas (2005)

Project manager for Phase I ESA completed on property considered for purchase by client. Responsibilities included proposal preparation, budgeting, cost-tracking, invoicing, report generation, and client liaison.

**indicates work for a previous employer*

TRACE HILBURN
ENVIRONMENTAL SCIENTIST/GEOLOGIST

EDUCATION
BS-Bachelor of Science, Professional Geology, Mississippi State University, 2020

REGISTRATIONS & CERTIFICATIONS

YEARS EXPERIENCE:
2 years

TECHNICAL EXPERTISE

AFFILIATIONS/ ORGANIZATIONS

Trace is building ever-increasing responsibilities in data collection, soil and water sampling, wastewater testing, and maintenance and calibration of lab equipment. His project experience includes testing soil samples for Hexavalent Chromium, as well as checking the Bioavailable Oxygen Demand for waste and stormwater for the city of Memphis and various clients in the surrounding area.

RELEVANT EXPERIENCE

Bluff City_Former MA Industries Gulf Stream Road Phase II Environmental Site Assessment_Arlington TN, Bluff City, LLC, Arlington, TN (2022-2022)
As a Field Geologist, Trace was the primary collector of surface soil samples using a hand auger. He also assisted in getting PID readings from soil boring samples and collected groundwater samples from temporary wells installed on site.

HELENA-West Helena Rem Action Desgn, Helena Agri-Enterprises, LLC, Helena-West Helena, AR (2016-2021)
As a Geologist, Trace assisted Griffin in getting coolers ready for a large groundwater sampling event in West Helena, AR. With over 30 wells being sampled, each with their own set of analytes to be tested for and all samples being split between four different analytical laboratories; each sample cooler was set up to contain all the sampling containers needed for each well. Trace then assisted Dave in delivering the coolers and sampling equipment to the job site.

Kilgore Flares_Hazardous Waste Open Burn Area Semi-Annual Groundwater Sampling_Toone TN, Kilgore Flares Company, LLC, Toone, TN (2021-2022)
As a Geologist, Trace helped collect groundwater samples from three monitoring wells three times a week for four weeks. Trace would then deliver samples to a lab to be analyzed for Benzo(a)anthracene, Dibenz(a,h)anthracene, and Indeno(1,2,3-cd)pyrene.

TMX-(Schendel)-Property Exit Assessment-Wichita, KS, Terminix Global Holdings, Inc., Wichita, KS (2022-2022)
As an Environmental Scientist, Trace visited a Terminix Branch that was moving their operations to another location. Trace observed the location that was being left and wrote an Exit Assessment report for the client. The report included observations made during the site visit as well as professional recommendations on how the client should handle any remaining cleaning before they move out.

STJUDE- Phase I ESA 2022- Beagle Club, Memphis, TN, St. Jude Children's Research Hospital, Williston, TN (2022-2022)
As an Environmental Scientist, Trace assessed a property on behalf of St. Jude for any recognized environmental conditions and business environmental risks on a property that was being donated to them.

Memphis Housing Authority_Overton Park Ave and Bellevue Blvd Supplemental Sampling_Memphis TN, City of Memphis, Memphis, TN (2022-2022)
As a Geologist, Trace supervised the development of a temporary well and analyzed soil borings. Soil samples were taken at preselected intervals to test for different volatiles. Trace helped deliver the soil samples to a lab for analysis.

WNJ-HECO RD/RA DyersburgTN, Warner Norcross & Judd LLP, Dyersburg, TN (2020-2021)

As a Geologist, Trace assisted in the Building 3 Shallow Source Investigation sampling event. Trace analyzed soil borings and groundwater samples for volatiles. He helped test the samples in situ and prepared samples to be tested in a lab. Trace also assisted in digitizing the boring logs recorded during the sampling event and compiled soil and groundwater lab results in tables for the report.

TMX-Property Exit Assessment-Wichita, KS, Terminix Global Holdings, Inc., Wichita, KS (2022-2022)

As an Environmental Scientist, Trace visited a Terminix Branch that was moving their operations to another location. Trace observed the location that was being left and wrote an Exit Assessment report for the client. The report included observations made during the site visit as well as professional recommendations on how the client should handle any remaining cleaning before they move out.

**indicates work for a previous employer*

Appendix C
Environmental Database Search Report

DATABASE REPORT

Project Property:	*0888834137 - Legends Park Block A Phase I Update (2023)* *Legends Park Block A* *Memphis TN*
Project No:	*0888834137*
Report Type:	*Database Report + Compliance*
Order No:	*23010500258*
Requested by:	*EnSafe Inc.*
Date Completed:	*January 9, 2023*

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Executive Summary

Property Information:

Project Property: *0888834137 - Legends Park Block A Phase I Update (2023)*
Legends Park Block A Memphis TN

Project No: *0888834137*

Coordinates:

Latitude:	*35.14926139*
Longitude:	*-90.02693869*
UTM Northing:	*3,893,643.45*
UTM Easting:	*770,844.50*
UTM Zone:	*15S*

Elevation: *259 FT*

Order Information:

Order No: *23010500258*
Date Requested: *January 5, 2023*
Requested by: *EnSafe Inc.*
Report Type: *Database Report + Compliance*

Historicals/Products:

Executive Summary: Report Summary

Database	Searched	Search Radius	Project Property	Within 0.12mi	0.125mi to 0.25mi	0.25mi to 0.50mi	0.50mi to 1.00mi	Total
Standard Environmental Records								
Federal								
DOE FUSRAP	Y	1	0	0	0	0	0	0
NPL	Y	1	0	0	0	0	0	0
PROPOSED NPL	Y	1	0	0	0	0	0	0
DELETED NPL	Y	0.5	0	0	0	0	-	0
SEMS	Y	0.5	0	0	0	**1**	-	**1**
ODI	Y	0.5	0	0	0	0	-	0
SEMS ARCHIVE	Y	0.5	0	0	0	0	-	0
CERCLIS	Y	0.5	0	0	0	0	-	0
IODI	Y	0.5	0	0	0	0	-	0
CERCLIS NFRAP	Y	0.5	0	0	0	0	-	0
CERCLIS LIENS	Y	PO	0	-	-	-	-	0
RCRA CORRACTS	Y	1	0	0	0	0	0	0
RCRA TSD	Y	0.5	0	0	0	0	-	0
RCRA LQG	Y	0.25	0	0	0	-	-	0
RCRA SQG	Y	0.25	0	0	0	-	-	0
RCRA VSQG	Y	0.25	0	0	0	-	-	0
RCRA NON GEN	Y	0.25	0	0	**5**	-	-	**5**
RCRA CONTROLS	Y	0.5	0	0	0	0	-	0
FED ENG	Y	0.5	0	0	0	0	-	0
FED INST	Y	0.5	0	0	0	0	-	0
LUCIS	Y	0.5	0	0	0	0	-	0
NPL IC	Y	0.5	0	0	0	0	-	0
ERNS 1982 TO 1986	Y	PO	0	-	-	-	-	0
ERNS 1987 TO 1989	Y	PO	0	-	-	-	-	0
ERNS	Y	PO	0	-	-	-	-	0
FED BROWNFIELDS	Y	0.5	0	0	0	0	-	0
FEMA UST	Y	0.25	0	0	0	-	-	0

Database	Searched	Search Radius	Project Property	Within 0.12mi	0.125mi to 0.25mi	0.25mi to 0.50mi	0.50mi to 1.00mi	Total
FRP	Y	0.25	0	0	0	-	-	0
DELISTED FRP	Y	0.25	0	0	0	-	-	0
HIST GAS STATIONS	Y	0.25	0	0	0	-	-	0
REFN	Y	0.25	0	0	0	-	-	0
BULK TERMINAL	Y	0.25	0	0	0	-	-	0
SEMS LIEN	Y	PO	0	-	-	-	-	0
SUPERFUND ROD	Y	1	0	0	0	0	0	0
State								
SHWS	Y	1	0	0	0	0	0	0
DEL SHWS	Y	1	0	0	0	0	0	0
SWF/LF	Y	0.5	0	0	0	0	-	0
LUST	Y	0.5	0	0	**1**	**12**	-	**13**
LUST TRUST	Y	0.5	0	0	0	**4**	-	**4**
DELISTED LST	Y	0.5	0	0	0	**1**	-	**1**
HWRA	Y	0.5	0	0	0	0	-	0
DHWR	Y	0.5	0	0	0	0	-	0
UST	Y	0.25	0	0	**4**	-	-	**4**
DEL STORAGE TNK	Y	0.25	0	0	0	-	-	0
INST	Y	0.5	0	0	**1**	**1**	-	**2**
ENG	Y	0.5	0	0	0	0	-	0
VCP	Y	0.5	0	0	**2**	**5**	-	**7**
SRP	Y	0.5	0	0	**1**	**4**	-	**5**
REMEDIATION	Y	0.25	0	0	**1**	-	-	**1**
Tribal								
INDIAN LUST	Y	0.5	0	0	0	0	-	0
INDIAN UST	Y	0.25	0	0	0	-	-	0
DELISTED ILST	Y	0.5	0	0	0	0	-	0
DELISTED IUST	Y	0.25	0	0	0	-	-	0
County	***No County standard environmental record sources available for this State.***							

Additional Environmental Records

Federal

FDA REGISTRANT	Y	PO	0	-	-	-	-	0
RMP	Y	PO	0	-	-	-	-	0

Database	Searched	Search Radius	Project Property	Within 0.12mi	0.125mi to 0.25mi	0.25mi to 0.50mi	0.50mi to 1.00mi	Total
FINDS/FRS	Y	PO	0	-	-	-	-	0
TRIS	Y	PO	0	-	-	-	-	0
PFAS TRI	Y	0.5	0	0	0	0	-	0
PFAS NPL	Y	0.5	0	0	0	0	-	0
PFAS WATER	Y	0.5	0	0	0	0	-	0
PFAS SSEHRI	Y	0.5	0	0	0	0	-	0
ERNS PFAS	Y	0.5	0	0	0	0	-	0
HMIRS	Y	0.125	0	0	-	-	-	0
NCDL	Y	0.125	0	0	-	-	-	0
TSCA	Y	0.125	0	0	-	-	-	0
HIST TSCA	Y	0.125	0	0	-	-	-	0
FTTS ADMIN	Y	PO	0	-	-	-	-	0
FTTS INSP	Y	PO	0	-	-	-	-	0
PRP	Y	PO	0	-	-	-	-	0
SCRD DRYCLEANER	Y	0.5	0	0	0	0	-	0
ICIS	Y	PO	0	-	-	-	-	0
FED DRYCLEANERS	Y	0.25	0	0	0	-	-	0
DELISTED FED DRY	Y	0.25	0	0	0	-	-	0
FUDS	Y	1	0	0	0	0	0	0
FORMER NIKE	Y	1	0	0	0	0	0	0
PIPELINE INCIDENT	Y	PO	0	-	-	-	-	0
MLTS	Y	PO	0	-	-	-	-	0
HIST MLTS	Y	PO	0	-	-	-	-	0
MINES	Y	0.25	0	0	0	-	-	0
CEA2	Y	0.25	0	0	0	-	-	0
SMCRA	Y	1	0	0	0	0	0	0
MRDS	Y	1	0	0	0	0	0	0
LM SITES	Y	1	0	0	0	0	0	0
ALT FUELS	Y	0.25	0	0	0	-	-	0
ICIA	Y	PO	0	-	-	-	-	0
AFS	Y	PO	0	-	-	-	-	0
CONSENT DECREES	Y	0.25	0	0	0	-	-	0
OSHA	Y	PO	0	**2**	-	-	-	**2**
CEA	Y	0.25	0	0	**2**	-	-	**2**
CRIM	Y	0.5	0	0	0	0	-	0

Database	Searched	Search Radius	Project Property	Within 0.12mi	0.125mi to 0.25mi	0.25mi to 0.50mi	0.50mi to 1.00mi	Total
DOCKETS	Y	0.5	0	0	0	0	-	0
PCS	Y	0.5	0	0	0	0	-	0
NPDES	Y	0.25	0	0	**1**	-	-	**1**
FINA	Y	0.25	0	0	0	-	-	0
BRS	Y	0.5	0	0	0	**1**	-	**1**
SSTS	Y	0.25	0	0	0	-	-	0
ECHO	Y	0.5	0	0	**8**	**48**	-	**56**
PCBT	Y	0.5	0	0	0	0	-	0
PCB	Y	0.5	0	0	0	0	-	0
CIVIL CASES	Y	0.5	0	0	0	0	-	0
NCDB CASE LIST	Y	0.125	0	0	-	-	-	0
NCDB FAC INSP	Y	0.125	0	0	-	-	-	0
DOCKET HW	Y	0.5	0	0	0	**1**	-	**1**
State								
NPDES	Y	0.25	0	0	**9**	-	-	**9**
PRIORITY CLEAN	Y	0.25	0	0	0	-	-	0
DELISTED DCER	Y	0.25	0	0	0	-	-	0
DRYCLEANERS	Y	0.25	0	0	0	-	-	0
DELISTED DRYCLEANERS	Y	0.25	0	0	0	-	-	0
CDL	Y	PO	0	-	-	-	-	0
SPILLS	Y	0.125	0	0	-	-	-	0
SPILS	Y	0.125	0	0	-	-	-	0
SWM COMPLAINT	Y	0.25	0	0	**1**	-	-	**1**
HWM	Y	0.25	0	0	0	-	-	0
Tribal	***No Tribal additional environmental record sources available for this State.***							
County	***No County additional environmental record sources available for this State.***							
Total:			0	**2**	**36**	**78**	0	**116**

**** PO – Property Only***
**** 'Property and adjoining properties' database search radii are set at 0.25 miles.***

Executive Summary: Site Report Summary - Project Property

Map Key	DB	Company/Site Name	Address	Direction	Distance (mi/ft)	Elev Diff (ft)	Page Number

No records found in the selected databases for the project property.

Executive Summary: Site Report Summary - Surrounding Properties

Map Key	DB	Company/Site Name	Address	Direction	Distance (mi/ft)	Elev Diff (ft)	Page Number
1	OSHA	FERNANDO TELLEZ	313 DECATUR STREET MEMPHIS TN 38105 ***Activity No:*** 313447930	SE	0.01 / 29.95	2	36
2	OSHA	H D CONSTRUCTION COMPANY	DECATUR ST & PEACH AVE MEMPHIS TN 38105 ***Activity No:*** 309227791	ENE	0.01 / 39.75	-4	38
3	RCRA NON GEN	MEMPHIS LIGHT GAS AND WATER DIVISION	418 DECATUR LANE MEMPHIS TN 38105 ***EPA Handler ID:*** TNR000007278	NNE	0.14 / 733.36	2	38
3	ECHO	MEMPHIS LIGHT GAS AND WATER DIVISION	418 DECATUR LANE MEMPHIS TN 38105 ***FRS ID:*** 110005006741	NNE	0.14 / 733.36	2	39
4	RCRA NON GEN	COLLINS CHAPEL HOSP HLTH CTR	409 N AYERS ST MEMPHIS TN 38107 ***EPA Handler ID:*** TND081341950	NW	0.14 / 756.03	0	40
4	ECHO	COLLINS CHAPEL HOSP HLTH CTR	409 N AYERS ST MEMPHIS TN 38107 ***FRS ID:*** 110004978980	NW	0.14 / 756.03	0	41
5	CEA	POPLAR SQUARE APARTMENTS	1070 POPLAR AVE MEMPHIS TN 38104 ***Registry ID:*** 110033195370	SSE	0.21 / 1,100.71	12	41
5	ECHO	POPLAR SQUARE APARTMENTS	1070 POPLAR AVE MEMPHIS TN 38104 ***FRS ID:*** 110033195370	SSE	0.21 / 1,100.71	12	45
6	CEA	BP'S LANE AVENUE AUTO PARTS, INC.	433 NORTH WALDRAN BLVD. MEMPHIS TN 38105 ***Registry ID:*** 110059710638	ENE	0.22 / 1,150.03	2	46
6	NPDES	McKenzie - Lane Auto Salvage	433 North Waldran Memphis TN	ENE	0.22 / 1,150.03	2	47
6	NPDES	BP's Lane Avenue Auto Parts, Inc.	433 North Waldran Blvd. Memphis TN	ENE	0.22 / 1,150.03	2	47
6	NPDES	BP'S LANE AVENUE AUTO PARTS, INC.	433 NORTH WALDRAN BLVD. MEMPHIS MEMPHIS TN 38105	ENE	0.22 / 1,150.03	2	47

Map Key	DB	Company/Site Name	Address	Direction	Distance (mi/ft)	Elev Diff (ft)	Page Number
			***NPDES ID*	*Facility UIN:*** TNR056533 | 110059710638			
6	ECHO	BP'S LANE AVENUE AUTO PARTS, INC.	433 NORTH WALDRAN BLVD. MEMPHIS TN 38105 ***FRS ID:*** 110059710638	ENE	0.22 / 1,150.03	2	50
6	SWM COMPLAINT	McKenzie - Lane Auto Salvage	433 North Waldran Memphis TN	ENE	0.22 / 1,150.03	2	51
6	ECHO	BP'S LANE AVENUE AUTO PARTS, INC.	433 NORTH WALDRAN BLVD. MEMPHIS TN 38105 ***FRS ID:*** 3400083528	ENE	0.22 / 1,150.03	2	51
7	UST	Insulation And Refractories Services	1041 Galloway Avenue Memphis TN 38105 ***Facility ID*	*Facility Status:*** 9790417 | InActive ***Tank ID:*** 45986, 45985	NE	0.23 / 1,189.74	0	52
7	UST	Insulation And Refractories Service	1041 Galloway Memphis TN 38105 ***Facility ID*	*Facility Status:*** 9790418 | InActive ***Tank ID:*** 45987, 45988	NE	0.23 / 1,189.74	0	53
8	UST	Hardy's Service Station	955 Poplar Memphis TN 38105 ***Facility ID*	*Facility Status:*** 9790387 | InActive ***Tank ID:*** 45636, 45639, 45637, 45638	SSW	0.24 / 1,253.92	-15	55
9	LUST	Exxon/Mobile Bulk Terminal	432 North Dunlap Memphis TN ***Facility ID*	*Current Status:*** 9799001 | 8 Case Closed	WNW	0.24 / 1,261.08	-12	58
9	UST	Memphis Bulk Plant	432 North Dunlap St. Memphis TN 38105 ***Facility ID*	*Facility Status:*** 9790984 | InActive ***Tank ID:*** 48800, 48799, 48801, 48802	WNW	0.24 / 1,261.08	-12	58
9	SRP	MEMPHIS BULK PLANT	432 NORTH DUNLAP ST. MEMPHIS TN	WNW	0.24 / 1,261.08	-12	60
9	VCP	MEMPHIS BULK PLANT	432 NORTH DUNLAP ST. MEMPHIS TN	WNW	0.24 / 1,261.08	-12	61
10	RCRA NON GEN	REGAL OLDSMOBILE	850 POPLAR AVE MEMPHIS TN 38104 ***EPA Handler ID:*** TND034748475	WSW	0.24 / 1,284.31	-1	61
10	ECHO	REGAL OLDSMOBILE	850 POPLAR AVE MEMPHIS TN 38104 ***FRS ID:*** 110004964487	WSW	0.24 / 1,284.31	-1	62
11	RCRA NON GEN	MITCHELL & SON INC	451 N WALDRAN MEMPHIS TN 38105	NE	0.24 / 1,290.94	-3	63

Map Key	DB	Company/Site Name	Address	Direction	Distance (mi/ft)	Elev Diff (ft)	Page Number
			EPA Handler ID: TND000005884				
11	NPDES	Allmatic Inc	451 N Waldran Blvd Memphis TN	NE	0.24 / 1,290.94	-3	63
11	ECHO	MITCHELL & SON INC	451 N WALDRAN MEMPHIS TN 38105 ***FRS ID:*** 110004954568	NE	0.24 / 1,290.94	-3	64
12	RCRA NON GEN	MEMPHIS HOUSING AUTHORITY-DIXIE HOME DEV	916 POPLAR AVE MEMPHIS TN 38105 ***EPA Handler ID:*** TN0000033639	SSW	0.25 / 1,296.03	-13	64
12	VCP	DIXIE HOMES	916 POPLAR AVENUE MEMPHIS TN	SSW	0.25 / 1,296.03	-13	65
12	INST	DIXIE HOMES	916 POPLAR AVENUE MEMPHIS TN	SSW	0.25 / 1,296.03	-13	66
12	NPDES	Legends Park - Hope VI Redevelopment (formerly Site Improvements for Dixie	Homes) 916 Poplar Avenue - North of Poplar Ave., east of Ayers St., west of Decatur St. and south of I-40 Memphis TN	SSW	0.25 / 1,296.03	-13	66
12	NPDES	Legends Park - Hope VI Redevelopment (formerly Site Improvements for Dixie	Homes) 916 Poplar Avenue - North of Poplar Ave., east of Ayers St., west of Decatur St. and south of I-40 Memphis TN	SSW	0.25 / 1,296.03	-13	66
12	NPDES	Legends Park - Hope VI Redevelopment (formerly Site Improvements for Dixie	Homes) 916 Poplar Avenue - North of Poplar Ave., east of Ayers St., west of Decatur St. and south of I-40 Memphis TN	SSW	0.25 / 1,296.03	-13	67
12	NPDES	Legends Park - Hope VI Redevelopment (formerly Site Improvements for Dixie	Homes) 916 Poplar Avenue - North of Poplar Ave., east of Ayers St., west of Decatur St. and south of I-40 Memphis TN	SSW	0.25 / 1,296.03	-13	67
12	NPDES	Legends Park - Hope VI Redevelopment (formerly Site Improvements for Dixie	Homes) 916 Poplar Avenue - North of Poplar Ave., east of Ayers St., west of Decatur St. and south of I-40 Memphis TN	SSW	0.25 / 1,296.03	-13	68
12	ECHO	MEMPHIS HOUSING AUTHORITY-DIXIE HOME DEV	916 POPLAR AVE MEMPHIS TN 38105	SSW	0.25 / 1,296.03	-13	68

Map Key	DB	Company/Site Name	Address	Direction	Distance (mi/ft)	Elev Diff (ft)	Page Number
			FRS ID: 110004951589				
12	REMEDIATION	DIXIE HOMES	916 POPLAR AVENUE MEMPHIS TN	SSW	0.25 / 1,296.03	-13	69
13	NPDES	Medical Center Streetscape	Dunlap Street: Jefferson to Poplar; Poplar Ave: Dunlap to Decatur Memphis TN	S	0.25 / 1,304.29	-10	69
14	ECHO	DIXIE MANUFACTURING COMPANY	1071 GALLOWAY MEMPHIS TN 38105 ***FRS ID:*** 110011792300	NE	0.25 / 1,333.42	-6	70
15	SRP	CHURCH'S FRIED CHICKEN	925 POPLAR AVENUE MEMPHIS TN	SSW	0.26 / 1,351.91	-12	70
15	VCP	CHURCH'S FRIED CHICKEN	925 POPLAR AVENUE MEMPHIS TN	SSW	0.26 / 1,351.91	-12	70
16	INST	SOUTHERN STEEL	431 DUNLAP MEMPHIS TN	NW	0.26 / 1,398.70	-13	71
16	SRP	SOUTHERN STEEL	431 DUNLAP MEMPHIS TN	NW	0.26 / 1,398.70	-13	71
16	VCP	SOUTHERN STEEL	431 DUNLAP MEMPHIS TN	NW	0.26 / 1,398.70	-13	71
17	ECHO	COX PRINTING CO	467 N WALDRAN BLVD MEMPHIS TN 38105 ***FRS ID:*** 110004999217	NE	0.28 / 1,461.19	-8	71
18	SRP	MEMPHIS MENTAL HEALTH INSTITUTE	865 POPLAR AVENUE MEMPHIS TN	SW	0.31 / 1,627.46	-2	72
18	VCP	MEMPHIS MENTAL HEALTH INSTITUTE	865 POPLAR AVENUE MEMPHIS TN	SW	0.31 / 1,627.46	-2	72
19	ECHO	MLGW DIVISION - MALLORY PUMPING STATION	488 NORTH DUNLAP MEMPHIS TN 38105	NW	0.32 / 1,709.23	-19	72

Map Key	DB	Company/Site Name	Address	Direction	Distance (mi/ft)	Elev Diff (ft)	Page Number
			FRS ID: 110018864558				
19	ECHO	MALLORY PUMPING STATION	488 NORTH DUNLAP MEMPHIS TN 38103 ***FRS ID:*** 110070217327	NW	0.32 / 1,709.23	-19	73
20	ECHO	MEMPHIS PATHOLOGY LABORATORY LLC	3RD FL-TOXICOLOGY 22 N PAULINE MEMPHIS TN 38105 ***FRS ID:*** 110017279096	WNW	0.35 / 1,846.38	-22	74
20	ECHO	GS VEHICLE MAINTENANCE	MEMPHIS TN 38105 ***FRS ID:*** 110027676799	WNW	0.35 / 1,846.38	-22	75
20	ECHO	INSULATION AND REFRACTORIES SERVICES	MEMPHIS TN 38105 ***FRS ID:*** 110027728369	WNW	0.35 / 1,846.38	-22	76
20	ECHO	MEMPHIS BULK PLANT	MEMPHIS TN 38105 ***FRS ID:*** 110027768100	WNW	0.35 / 1,846.38	-22	76
20	ECHO	SHELBY COUNTY COURT OF MEMPHIS	MEMPHIS TN 38105 ***FRS ID:*** 110027683175	WNW	0.35 / 1,846.38	-22	77
20	ECHO	DOWNTOWN SHELL	MEMPHIS TN 38105 ***FRS ID:*** 110027603715	WNW	0.35 / 1,846.38	-22	77
20	ECHO	TN TECHOLOGY CENTER OF MEMPHIS	MEMPHIS TN 38105 ***FRS ID:*** 110027730221	WNW	0.35 / 1,846.38	-22	78
20	ECHO	GREYHOUND MAINTENANCE GARAGE	MEMPHIS TN 38105 ***FRS ID:*** 110027665284	WNW	0.35 / 1,846.38	-22	79
20	ECHO	(FORMERLY) CHIP BARWICK CHEVROLET	MEMPHIS TN 38105 ***FRS ID:*** 110027747605	WNW	0.35 / 1,846.38	-22	79
20	ECHO	POPLAR AVENUE BP	MEMPHIS TN 38105 ***FRS ID:*** 110027703910	WNW	0.35 / 1,846.38	-22	80
20	ECHO	INSULATION AND REFRACTORIES SERVICE	MEMPHIS TN 38105 ***FRS ID:*** 110027728323	WNW	0.35 / 1,846.38	-22	80

Map Key	DB	Company/Site Name	Address	Direction	Distance (mi/ft)	Elev Diff (ft)	Page Number
20	ECHO	WILLIAMS EXPRESS, INC. # 3254	MEMPHIS TN 38105 **FRS ID:** 110027727173	WNW	0.35 / 1,846.38	-22	81
20	ECHO	FORMER UNION GROVE BAPTIST CHURCH	MEMPHIS TN 38105 **FRS ID:** 110027628976	WNW	0.35 / 1,846.38	-22	82
20	ECHO	HARDY S SERVICE STATION	MEMPHIS TN 38105 **FRS ID:** 110027694136	WNW	0.35 / 1,846.38	-22	82
20	ECHO	PUBLIC WORKS SEWER AND DRAIN MAINT	MEMPHIS TN 38105 **FRS ID:** 110027616881	WNW	0.35 / 1,846.38	-22	83
20	ECHO	GOODYEAR ASC (CLOSED)	MEMPHIS TN 38105 **FRS ID:** 110027652118	WNW	0.35 / 1,846.38	-22	83
20	ECHO	MALLORY PUMPING STATION	MEMPHIS TN 38105 **FRS ID:** 110027741442	WNW	0.35 / 1,846.38	-22	84
20	ECHO	AIR MASK SERVICE UNIT	MEMPHIS TN 38105 **FRS ID:** 110027753857	WNW	0.35 / 1,846.38	-22	85
20	ECHO	GREYHOUND TERMINAL	MEMPHIS TN 38105 **FRS ID:** 110027673765	WNW	0.35 / 1,846.38	-22	85
20	ECHO	UT MEDICAL GROUP	MEMPHIS TN 38105 **FRS ID:** 110027733898	WNW	0.35 / 1,846.38	-22	86
20	ECHO	FLEET SERVICES	MEMPHIS TN 38105 **FRS ID:** 110027710172	WNW	0.35 / 1,846.38	-22	86
20	ECHO	AUTO CHLOR SYSTEM	MEMPHIS TN 38105 **FRS ID:** 110027752732	WNW	0.35 / 1,846.38	-22	87
20	ECHO	SCOTT S UNION 76	MEMPHIS TN 38105 **FRS ID:** 110027637699	WNW	0.35 / 1,846.38	-22	88
20	ECHO	WATER SERVICE CENTER	MEMPHIS TN 38105 **FRS ID:** 110027690498	WNW	0.35 / 1,846.38	-22	88

Map Key	DB	Company/Site Name	Address	Direction	Distance (mi/ft)	Elev Diff (ft)	Page Number
21	LUST TRUST	BP STATION #767	821 POPLAR AVE MEMPHIS TN 38105 ***Facility ID* | *Status:*** 9791083 | Closed	WSW	0.38 / 2,010.30	5	89
21	LUST	AMOCO STATION #767	821 POPLAR AVENUE MEMPHIS TN 38105 ***Facility ID* | *Current Status:*** 9791083 | 8 Case Closed	WSW	0.38 / 2,010.30	5	89
21	LUST	BP/AMOCO #18440	821 Poplar Avenue Memphis TN 38105 ***Facility ID* | *Current Status:*** 9791083 | 8 Case Closed	WSW	0.38 / 2,010.30	5	89
21	LUST	Poplar Avenue BP	821 Poplar Avenue Memphis TN 38105 ***Facility ID* | *Current Status:*** 9791083 | 1d Completed Line Closure	WSW	0.38 / 2,010.30	5	90
21	LUST	Poplar Avenue BP	821 Poplar Avenue Memphis TN 38105 ***Facility ID* | *Current Status:*** 9791083 | 1a Completed Tank Closure	WSW	0.38 / 2,010.30	5	90
21	ECHO	AMOCO OIL SS# 767	821 POPLAR AVE MEMPHIS TN 38105 ***FRS ID:*** 110004994846	WSW	0.38 / 2,010.30	5	90
22	ECHO	ST. JUDE PARKING LOT	PARKING LOT ADJACENT TO 757 GALLOWAY AVE MEMPHIS TN 38105 ***FRS ID:*** 110070256407	NW	0.39 / 2,080.95	-20	91
23	ECHO	PERLMAN F & CO INC	476 NORTH MANASSAS MEMPHIS TN 38101 ***FRS ID:*** 110004967484	WNW	0.41 / 2,153.31	-27	92
24	ECHO	CITY OF MEMPHIS/SIGNS AND MARKINGS	435 MANASSAS MEMPHIS TN 38105 ***FRS ID:*** 110004953220	WNW	0.41 / 2,179.55	-28	92
25	ECHO	TENNISON BROTHERS INC	450 N BELLEVUE BLVD MEMPHIS TN 38104 ***FRS ID:*** 110004962498	ENE	0.42 / 2,223.24	3	93
26	LUST	VA MEDICAL CENTER	1030 JEFFERSON AVENUE Memphis TN 38104 ***Facility ID* | *Current Status:*** 790807 | 1a Completed Tank Closure	SSE	0.42 / 2,230.29	7	94
26	SEMS	VA MEDICAL CENTER	1030 JEFFERSON AVENUE MEMPHIS TN 38104 ***EPA ID:*** TNN000410932	SSE	0.42 / 2,230.29	7	94
26	BRS	VA MEDICAL CENTER	1030 JEFFERSON AVE MEMPHIS TN 38104	SSE	0.42 / 2,230.29	7	95

Map Key	DB	Company/Site Name	Address	Direction	Distance (mi/ft)	Elev Diff (ft)	Page Number
26	ECHO	VETERANS AFFAIRS MEDICAL CENTER	1030 JEFFERSON AVE MEMPHIS TN 38104 ***FRS ID:*** 110009445948	SSE	0.42 / 2,230.29	7	97
26	ECHO	MEMPHIS VA MEDICAL CENTER	1030 JEFFERSON AVENUE MEMPHIS TN 38104 ***FRS ID:*** 110070383112	SSE	0.42 / 2,230.29	7	98
26	DOCKET HW	VA MEDICAL CENTER	1030 JEFFERSON AVE MEMPHIS TN 38104 ***EPA ID:*** TNN000410932	SSE	0.42 / 2,230.29	7	99
26	ECHO	USVA VETERANS ADMIN HOSPITAL	1030 JEFFERSON AVE MEMPHIS TN 38104 ***FRS ID:*** 110067808206	SSE	0.42 / 2,230.29	7	99
27	ECHO	ST. JUDE WAREHOUSE DRIVEWAY	483 NORTH MANASSAS STREET MEMPHIS TN 38105 ***FRS ID:*** 110070554932	NW	0.43 / 2,261.27	-24	100
28	ECHO	HART BILL	974 FAXON MEMPHIS TN 38105 ***FRS ID:*** 110004971031	N	0.43 / 2,269.87	-4	101
29	LUST	AIR MASK SERVICE UNIT	1010 FOXON MEMPHIS TN 38105 ***Facility ID*** **|** ***Current Status:*** 9791109	1a Completed Tank Closure	NNE	0.43 / 2,282.59	-2	101
30	LUST TRUST	EXTRA EXPRESS MARKET	777 POPLAR AVE MEMPHIS TN 38105 ***Facility ID*** **|** ***Status:*** 9791539	Closed	WSW	0.43 / 2,287.17	9	101
30	LUST TRUST	7-ELEVEN #25559	777 POPLAR AVE MEMPHIS TN ***Facility ID*** **|** ***Status:*** 9791539	Closed	WSW	0.43 / 2,287.17	9	102
30	LUST TRUST	FLASH MARKET #72	777 POPLAR AVENUE MEMPHIS TN ***Facility ID*** **|** ***Status:*** 9791539	Closed	WSW	0.43 / 2,287.17	9	102
30	LUST	FLASH OIL CO #72	777 POPLAR AVE MEMPHIS TN 38104 ***Facility ID*** **|** ***Current Status:*** 9791539	8 Case Closed	WSW	0.43 / 2,287.17	9	102
30	LUST	FLASH OIL CO #72	777 POPLAR AVE MEMPHIS TN 38104 ***Facility ID*** **|** ***Current Status:*** 9791539	8 Case Closed	WSW	0.43 / 2,287.17	9	103
30	DELISTED LST	FORMER EXTRA EXPRESS MART	777 Poplar Avenue Memphis TN 38104	WSW	0.43 / 2,287.17	9	103

Map Key	DB	Company/Site Name	Address	Direction	Distance (mi/ft)	Elev Diff (ft)	Page Number
30	LUST	EXTRA SEVEN ELEVEN, INC.	777 Poplar Avenue Memphis TN 38104 ***Facility ID	Current Status:*** 9791539 | 8 Case Closed	WSW	0.43 / 2,287.17	9	104
31	ECHO	BLAIR TOWER APARTMENTS	810 WASHINGTON MEMPHIS TN 38105 ***FRS ID:*** 110028114555	SW	0.44 / 2,317.57	11	104
32	ECHO	LEBONHEUR CHILDREN'S MEDICAL CENTER	848 ADAMS AVENUE MEMPHIS TN 38103 ***FRS ID:*** 110001859551	SW	0.44 / 2,339.42	13	104
32	ECHO	METHODIST LEBONHEUR PEDIATRIC CVICU EXPANSION	848 ADAMS AVE. MEMPHIS TN 38104 ***FRS ID:*** 110070792825	SW	0.44 / 2,339.42	13	105
33	ECHO	CUSTOM CRAFT FURNITURE CO*	750 GALLOWAY MEMPHIS TN 38105 ***FRS ID:*** 110004975215	NW	0.45 / 2,364.52	-24	106
34	ECHO	HOSPITAL WING	UNKNOWN MEMPHIS TN 00000 ***FRS ID:*** 110041612699	S	0.46 / 2,431.26	0	107
35	LUST	THE MED ADAM'S BUILDING	842 JEFFERSON AVENUE Memphis TN 38103 ***Facility ID	Current Status:*** 9792354 | 8 Case Closed	SW	0.46 / 2,443.93	6	107
36	SRP	AUTO-CHLOR, INC.	746 POPLAR AVENUE MEMPHIS TN	WSW	0.47 / 2,463.30	11	107
36	LUST	AUTO CLOR SYSTEM	746 POPLAR AVE MEMPHIS TN 38105 ***Facility ID	Current Status:*** 9790057 | 1a Completed Tank Closure	WSW	0.47 / 2,463.30	11	108
36	ECHO	JOHNSONDIVERSEY, INC.	746 POPLAR AVENUE MEMPHIS TN 38105 ***FRS ID:*** 110033623238	WSW	0.47 / 2,463.30	11	108
36	VCP	AUTO-CHLOR	746 POPLAR AVENUE MEMPHIS TN	WSW	0.47 / 2,463.30	11	109
36	VCP	AUTO-CHLOR, INC.	746 POPLAR AVENUE MEMPHIS TN	WSW	0.47 / 2,463.30	11	109
36	ECHO	AUTO-CHLOR SYSTEM LLC	746 POPLAR AVE MEMPHIS TN 38105	WSW	0.47 / 2,463.30	11	109

Map Key	DB	Company/Site Name	Address	Direction	Distance (mi/ft)	Elev Diff (ft)	Page Number
			FRS ID: 110070319396				
37	ECHO	REGIONAL MEDICAL CENTER @ MEMPHIS	877 JEFFERSON AVENUE MEMPHIS TN 38103 ***FRS ID:*** 110004982877	SW	0.47 / 2,470.17	5	110
38	LUST	Le Bonhuer Faculty Office Building	824 Adams St. Memphis TN ***Facility ID*** **|** ***Current Status:*** 9799039	1a Completed Tank Closure	SW	0.48 / 2,530.64	16	110
39	ECHO	AUTO-CHLOR SYSTEM	745 POPLAR AVE MEMPHIS TN 38105 ***FRS ID:*** 110013323607	WSW	0.48 / 2,544.72	12	111
39	ECHO	MORRIS PARK IMPROVEMENTS	747 POPLAR MEMPHIS TN 38105 ***FRS ID:*** 110071145167	WSW	0.48 / 2,544.72	12	111

Executive Summary: Summary by Data Source

Standard

Federal

SEMS - SEMS List 8R Active Site Inventory

A search of the SEMS database, dated Nov 23, 2022 has found that there are 1 SEMS site(s) within approximately 0.50 miles of the project property.

Equal/Higher Elevation	Address	Direction	Distance (mi/ft)	Map Key
VA MEDICAL CENTER	1030 JEFFERSON AVENUE MEMPHIS TN 38104 ***EPA ID**: TNN000410932*	SSE	0.42 / 2,230.29	26

RCRA NON GEN - RCRA Non-Generators

A search of the RCRA NON GEN database, dated Sep 5, 2022 has found that there are 5 RCRA NON GEN site(s) within approximately 0.25 miles of the project property.

Equal/Higher Elevation	Address	Direction	Distance (mi/ft)	Map Key
MEMPHIS LIGHT GAS AND WATER DIVISION	418 DECATUR LANE MEMPHIS TN 38105 ***EPA Handler ID**: TNR000007278*	NNE	0.14 / 733.36	3

Lower Elevation	Address	Direction	Distance (mi/ft)	Map Key
COLLINS CHAPEL HOSP HLTH CTR	409 N AYERS ST MEMPHIS TN 38107 ***EPA Handler ID**: TND081341950*	NW	0.14 / 756.03	4
REGAL OLDSMOBILE	850 POPLAR AVE MEMPHIS TN 38104 ***EPA Handler ID**: TND034748475*	WSW	0.24 / 1,284.31	10
MITCHELL & SON INC	451 N WALDRAN MEMPHIS TN 38105 ***EPA Handler ID**: TND000005884*	NE	0.24 / 1,290.94	11
MEMPHIS HOUSING AUTHORITY-DIXIE HOME DEV	916 POPLAR AVE MEMPHIS TN 38105 ***EPA Handler ID**: TN0000033639*	SSW	0.25 / 1,296.03	12

State

LUST - Environmental Activities on USTs

A search of the LUST database, dated Oct 28, 2022 has found that there are 13 LUST site(s) within approximately 0.50 miles of the project property.

Equal/Higher Elevation	Address	Direction	Distance (mi/ft)	Map Key
BP/AMOCO #18440	821 Poplar Avenue Memphis TN 38105	WSW	0.38 / 2,010.30	21
	***Facility ID | Current Status**: 9791083 | 8 Case Closed*			
AMOCO STATION #767	821 POPLAR AVENUE MEMPHIS TN 38105	WSW	0.38 / 2,010.30	21
	***Facility ID | Current Status**: 9791083 | 8 Case Closed*			
Poplar Avenue BP	821 Poplar Avenue Memphis TN 38105	WSW	0.38 / 2,010.30	21
	***Facility ID | Current Status**: 9791083 | 1a Completed Tank Closure*			
Poplar Avenue BP	821 Poplar Avenue Memphis TN 38105	WSW	0.38 / 2,010.30	21
	***Facility ID | Current Status**: 9791083 | 1d Completed Line Closure*			
VA MEDICAL CENTER	1030 JEFFERSON AVENUE Memphis TN 38104	SSE	0.42 / 2,230.29	26
	***Facility ID | Current Status**: 790807 | 1a Completed Tank Closure*			
EXTRA SEVEN ELEVEN, INC.	777 Poplar Avenue Memphis TN 38104	WSW	0.43 / 2,287.17	30
	***Facility ID | Current Status**: 9791539 | 8 Case Closed*			
FLASH OIL CO #72	777 POPLAR AVE MEMPHIS TN 38104	WSW	0.43 / 2,287.17	30
	***Facility ID | Current Status**: 9791539 | 8 Case Closed*			
FLASH OIL CO #72	777 POPLAR AVE MEMPHIS TN 38104	WSW	0.43 / 2,287.17	30
	***Facility ID | Current Status**: 9791539 | 8 Case Closed*			
THE MED ADAM'S BUILDING	842 JEFFERSON AVENUE Memphis TN 38103	SW	0.46 / 2,443.93	35
	***Facility ID | Current Status**: 9792354 | 8 Case Closed*			
AUTO CLOR SYSTEM	746 POPLAR AVE MEMPHIS TN 38105	WSW	0.47 / 2,463.30	36
	***Facility ID | Current Status**: 9790057 | 1a Completed Tank Closure*			
Le Bonhuer Faculty Office Building	824 Adams St. Memphis TN	SW	0.48 / 2,530.64	38
	***Facility ID | Current Status**: 9799039 | 1a Completed Tank Closure*			

Lower Elevation	Address	Direction	Distance (mi/ft)	Map Key
Exxon/Mobile Bulk Terminal	432 North Dunlap Memphis TN	WNW	0.24 / 1,261.08	9
	***Facility ID | Current Status**: 9799001 | 8 Case Closed*			
AIR MASK SERVICE UNIT	1010 FOXON MEMPHIS TN 38105	NNE	0.43 / 2,282.59	29

Lower Elevation	Address	Direction	Distance (mi/ft)	Map Key
	Facility ID* | *Current Status: *9791109* | *1a Completed Tank Closure*			

LUST TRUST - Tennessee Petroleum Underground Storage Tank Fund

A search of the LUST TRUST database, dated Oct 28, 2022 has found that there are 4 LUST TRUST site(s) within approximately 0.50 miles of the project property.

Equal/Higher Elevation	Address	Direction	Distance (mi/ft)	Map Key
BP STATION #767	821 POPLAR AVE MEMPHIS TN 38105	WSW	0.38 / 2,010.30	21
	Facility ID* | *Status: *9791083* | *Closed*			
FLASH MARKET #72	777 POPLAR AVENUE MEMPHIS TN	WSW	0.43 / 2,287.17	30
	Facility ID* | *Status: *9791539* | *Closed*			
EXTRA EXPRESS MARKET	777 POPLAR AVE MEMPHIS TN 38105	WSW	0.43 / 2,287.17	30
	Facility ID* | *Status: *9791539* | *Closed*			
7-ELEVEN #25559	777 POPLAR AVE MEMPHIS TN	WSW	0.43 / 2,287.17	30
	Facility ID* | *Status: *9791539* | *Closed*			

DELISTED LST - Delisted Leaking Storage Tanks

A search of the DELISTED LST database, dated Oct 28, 2022 has found that there are 1 DELISTED LST site(s) within approximately 0.50 miles of the project property.

Equal/Higher Elevation	Address	Direction	Distance (mi/ft)	Map Key
FORMER EXTRA EXPRESS MART	777 Poplar Avenue Memphis TN 38104	WSW	0.43 / 2,287.17	30

UST - Underground Storage Tanks

A search of the UST database, dated Oct 28, 2022 has found that there are 4 UST site(s) within approximately 0.25 miles of the project property.

Lower Elevation	Address	Direction	Distance (mi/ft)	Map Key
Insulation And Refractories Services	1041 Galloway Avenue Memphis TN 38105	NE	0.23 / 1,189.74	7
	Facility ID* | *Facility Status: *9790417* | *InActive* ***Tank ID***: *45986, 45985*			
Insulation And Refractories Service	1041 Galloway Memphis TN 38105	NE	0.23 / 1,189.74	7
	Facility ID* | *Facility Status: *9790418* | *InActive* ***Tank ID***: *45987, 45988*			
Hardy's Service Station	955 Poplar Memphis TN 38105	SSW	0.24 / 1,253.92	8

Lower Elevation	Address	Direction	Distance (mi/ft)	Map Key
	***Facility ID | Facility Status**: 9790387 | InActive* ***Tank ID**: 45636, 45639, 45637, 45638*			
Memphis Bulk Plant	432 North Dunlap St. Memphis TN 38105	WNW	0.24 / 1,261.08	9
	***Facility ID | Facility Status**: 9790984 | InActive* ***Tank ID**: 48800, 48799, 48801, 48802*			

INST - Sites Remediated with Institutional Controls

A search of the INST database, dated Sep 20, 2022 has found that there are 2 INST site(s) within approximately 0.50 miles of the project property.

Lower Elevation	Address	Direction	Distance (mi/ft)	Map Key
DIXIE HOMES	916 POPLAR AVENUE MEMPHIS TN	SSW	0.25 / 1,296.03	12
SOUTHERN STEEL	431 DUNLAP MEMPHIS TN	NW	0.26 / 1,398.70	16

VCP - Voluntary Cleanup, Oversight and Assistance Program

A search of the VCP database, dated Sep 20, 2022 has found that there are 7 VCP site(s) within approximately 0.50 miles of the project property.

Equal/Higher Elevation	Address	Direction	Distance (mi/ft)	Map Key
AUTO-CHLOR	746 POPLAR AVENUE MEMPHIS TN	WSW	0.47 / 2,463.30	36
AUTO-CHLOR, INC.	746 POPLAR AVENUE MEMPHIS TN	WSW	0.47 / 2,463.30	36

Lower Elevation	Address	Direction	Distance (mi/ft)	Map Key
MEMPHIS BULK PLANT	432 NORTH DUNLAP ST. MEMPHIS TN	WNW	0.24 / 1,261.08	9
DIXIE HOMES	916 POPLAR AVENUE MEMPHIS TN	SSW	0.25 / 1,296.03	12
CHURCH'S FRIED CHICKEN	925 POPLAR AVENUE MEMPHIS TN	SSW	0.26 / 1,351.91	15
SOUTHERN STEEL	431 DUNLAP MEMPHIS TN	NW	0.26 / 1,398.70	16

Lower Elevation	Address	Direction	Distance (mi/ft)	Map Key
MEMPHIS MENTAL HEALTH INSTITUTE	865 POPLAR AVENUE MEMPHIS TN	SW	0.31 / 1,627.46	18

SRP - State Remediation Program List

A search of the SRP database, dated Sep 20, 2022 has found that there are 5 SRP site(s) within approximately 0.50 miles of the project property.

Equal/Higher Elevation	Address	Direction	Distance (mi/ft)	Map Key
AUTO-CHLOR, INC.	746 POPLAR AVENUE MEMPHIS TN	WSW	0.47 / 2,463.30	36

Lower Elevation	Address	Direction	Distance (mi/ft)	Map Key
MEMPHIS BULK PLANT	432 NORTH DUNLAP ST. MEMPHIS TN	WNW	0.24 / 1,261.08	9
CHURCH'S FRIED CHICKEN	925 POPLAR AVENUE MEMPHIS TN	SSW	0.26 / 1,351.91	15
SOUTHERN STEEL	431 DUNLAP MEMPHIS TN	NW	0.26 / 1,398.70	16
MEMPHIS MENTAL HEALTH INSTITUTE	865 POPLAR AVENUE MEMPHIS TN	SW	0.31 / 1,627.46	18

REMEDIATION - Division of Remediation Sites

A search of the REMEDIATION database, dated Sep 20, 2022 has found that there are 1 REMEDIATION site(s) within approximately 0.25 miles of the project property.

Lower Elevation	Address	Direction	Distance (mi/ft)	Map Key
DIXIE HOMES	916 POPLAR AVENUE MEMPHIS TN	SSW	0.25 / 1,296.03	12

Non Standard

Federal

OSHA - Occupational Safety and Health Administration Enforcement Data

A search of the OSHA database, dated May 12, 2022 has found that there are 2 OSHA site(s) within approximately 0.02 miles of the project property.

Equal/Higher Elevation	Address	Direction	Distance (mi/ft)	Map Key
FERNANDO TELLEZ	313 DECATUR STREET MEMPHIS TN 38105 ***Activity No**: 313447930*	SE	0.01 / 29.95	1

Lower Elevation	Address	Direction	Distance (mi/ft)	Map Key
H D CONSTRUCTION COMPANY	DECATUR ST & PEACH AVE MEMPHIS TN 38105 ***Activity No**: 309227791*	ENE	0.01 / 39.75	2

CEA - Civil Enforcement Actions

A search of the CEA database, dated Oct 8, 2022 has found that there are 2 CEA site(s) within approximately 0.25 miles of the project property.

Equal/Higher Elevation	Address	Direction	Distance (mi/ft)	Map Key
POPLAR SQUARE APARTMENTS	1070 POPLAR AVE MEMPHIS TN 38104 ***Registry ID**: 110033195370*	SSE	0.21 / 1,100.71	5
BP'S LANE AVENUE AUTO PARTS, INC.	433 NORTH WALDRAN BLVD. MEMPHIS TN 38105 ***Registry ID**: 110059710638*	ENE	0.22 / 1,150.03	6

NPDES - Federal National Pollutant Discharge Elimination System (NPDES)

A search of the NPDES database, dated Jan 15, 2022 has found that there are 1 NPDES site(s) within approximately 0.25 miles of the project property.

Equal/Higher Elevation	Address	Direction	Distance (mi/ft)	Map Key
BP'S LANE AVENUE AUTO PARTS, INC.	433 NORTH WALDRAN BLVD. MEMPHIS MEMPHIS TN 38105 ***NPDES ID** | **Facility UIN**: TNR056533 | 110059710638*	ENE	0.22 / 1,150.03	6

BRS - Biennial Reporting System (BRS)

A search of the BRS database, dated Dec 16, 2016 has found that there are 1 BRS site(s) within approximately 0.50 miles of the project property.

Equal/Higher Elevation	Address	Direction	Distance (mi/ft)	Map Key
VA MEDICAL CENTER	1030 JEFFERSON AVE MEMPHIS TN 38104	SSE	0.42 / 2,230.29	26

ECHO - Enforcement and Compliance Data (ECHO)

A search of the ECHO database, dated Sep 25, 2022 has found that there are 56 ECHO site(s) within approximately 0.50 miles of the project property.

Equal/Higher Elevation	Address	Direction	Distance (mi/ft)	Map Key
MEMPHIS LIGHT GAS AND WATER DIVISION	418 DECATUR LANE MEMPHIS TN 38105 ***FRS ID**: 110005006741*	NNE	0.14 / 733.36	3
POPLAR SQUARE APARTMENTS	1070 POPLAR AVE MEMPHIS TN 38104 ***FRS ID**: 110033195370*	SSE	0.21 / 1,100.71	5
BP'S LANE AVENUE AUTO PARTS, INC.	433 NORTH WALDRAN BLVD. MEMPHIS TN 38105 ***FRS ID**: 3400083528*	ENE	0.22 / 1,150.03	6
BP'S LANE AVENUE AUTO PARTS, INC.	433 NORTH WALDRAN BLVD. MEMPHIS TN 38105 ***FRS ID**: 110059710638*	ENE	0.22 / 1,150.03	6
AMOCO OIL SS# 767	821 POPLAR AVE MEMPHIS TN 38105 ***FRS ID**: 110004994846*	WSW	0.38 / 2,010.30	21
TENNISON BROTHERS INC	450 N BELLEVUE BLVD MEMPHIS TN 38104 ***FRS ID**: 110004962498*	ENE	0.42 / 2,223.24	25
VETERANS AFFAIRS MEDICAL CENTER	1030 JEFFERSON AVE MEMPHIS TN 38104 ***FRS ID**: 110009445948*	SSE	0.42 / 2,230.29	26
MEMPHIS VA MEDICAL CENTER	1030 JEFFERSON AVENUE MEMPHIS TN 38104 ***FRS ID**: 110070383112*	SSE	0.42 / 2,230.29	26
USVA VETERANS ADMIN HOSPITAL	1030 JEFFERSON AVE MEMPHIS TN 38104 ***FRS ID**: 110067808206*	SSE	0.42 / 2,230.29	26
BLAIR TOWER APARTMENTS	810 WASHINGTON MEMPHIS TN 38105 ***FRS ID**: 110028114555*	SW	0.44 / 2,317.57	31
LEBONHEUR CHILDREN'S MEDICAL CENTER	848 ADAMS AVENUE MEMPHIS TN 38103 ***FRS ID**: 110001859551*	SW	0.44 / 2,339.42	32
METHODIST LEBONHEUR PEDIATRIC CVICU EXPANSION	848 ADAMS AVE. MEMPHIS TN 38104 ***FRS ID**: 110070792825*	SW	0.44 / 2,339.42	32
JOHNSONDIVERSEY, INC.	746 POPLAR AVENUE MEMPHIS TN 38105 ***FRS ID**: 110033623238*	WSW	0.47 / 2,463.30	36

Equal/Higher Elevation	Address	Direction	Distance (mi/ft)	Map Key
AUTO-CHLOR SYSTEM LLC	746 POPLAR AVE MEMPHIS TN 38105 ***FRS ID**: 110070319396*	WSW	0.47 / 2,463.30	36
REGIONAL MEDICAL CENTER @ MEMPHIS	877 JEFFERSON AVENUE MEMPHIS TN 38103 ***FRS ID**: 110004982877*	SW	0.47 / 2,470.17	37
MORRIS PARK IMPROVEMENTS	747 POPLAR MEMPHIS TN 38105 ***FRS ID**: 110071145167*	WSW	0.48 / 2,544.72	39
AUTO-CHLOR SYSTEM	745 POPLAR AVE MEMPHIS TN 38105 ***FRS ID**: 110013323607*	WSW	0.48 / 2,544.72	39

Lower Elevation	Address	Direction	Distance (mi/ft)	Map Key
COLLINS CHAPEL HOSP HLTH CTR	409 N AYERS ST MEMPHIS TN 38107 ***FRS ID**: 110004978980*	NW	0.14 / 756.03	4
REGAL OLDSMOBILE	850 POPLAR AVE MEMPHIS TN 38104 ***FRS ID**: 110004964487*	WSW	0.24 / 1,284.31	10
MITCHELL & SON INC	451 N WALDRAN MEMPHIS TN 38105 ***FRS ID**: 110004954568*	NE	0.24 / 1,290.94	11
MEMPHIS HOUSING AUTHORITY-DIXIE HOME DEV	916 POPLAR AVE MEMPHIS TN 38105 ***FRS ID**: 110004951589*	SSW	0.25 / 1,296.03	12
DIXIE MANUFACTURING COMPANY	1071 GALLOWAY MEMPHIS TN 38105 ***FRS ID**: 110011792300*	NE	0.25 / 1,333.42	14
COX PRINTING CO	467 N WALDRAN BLVD MEMPHIS TN 38105 ***FRS ID**: 110004999217*	NE	0.28 / 1,461.19	17
MLGW DIVISION - MALLORY PUMPING STATION	488 NORTH DUNLAP MEMPHIS TN 38105 ***FRS ID**: 110018864558*	NW	0.32 / 1,709.23	19
MALLORY PUMPING STATION	488 NORTH DUNLAP MEMPHIS TN 38103 ***FRS ID**: 110070217327*	NW	0.32 / 1,709.23	19
MEMPHIS PATHOLOGY LABORATORY LLC	3RD FL-TOXICOLOGY 22 N PAULINE MEMPHIS TN 38105	WNW	0.35 / 1,846.38	20

Lower Elevation	Address	Direction	Distance (mi/ft)	Map Key
	***FRS ID**: 110017279096*			
GS VEHICLE MAINTENANCE	MEMPHIS TN 38105 ***FRS ID**: 110027676799*	WNW	0.35 / 1,846.38	20
INSULATION AND REFRACTORIES SERVICES	MEMPHIS TN 38105 ***FRS ID**: 110027728369*	WNW	0.35 / 1,846.38	20
MEMPHIS BULK PLANT	MEMPHIS TN 38105 ***FRS ID**: 110027768100*	WNW	0.35 / 1,846.38	20
SHELBY COUNTY COURT OF MEMPHIS	MEMPHIS TN 38105 ***FRS ID**: 110027683175*	WNW	0.35 / 1,846.38	20
DOWNTOWN SHELL	MEMPHIS TN 38105 ***FRS ID**: 110027603715*	WNW	0.35 / 1,846.38	20
TN TECHOLOGY CENTER OF MEMPHIS	MEMPHIS TN 38105 ***FRS ID**: 110027730221*	WNW	0.35 / 1,846.38	20
GREYHOUND MAINTENANCE GARAGE	MEMPHIS TN 38105 ***FRS ID**: 110027665284*	WNW	0.35 / 1,846.38	20
(FORMERLY) CHIP BARWICK CHEVROLET	MEMPHIS TN 38105 ***FRS ID**: 110027747605*	WNW	0.35 / 1,846.38	20
POPLAR AVENUE BP	MEMPHIS TN 38105 ***FRS ID**: 110027703910*	WNW	0.35 / 1,846.38	20
INSULATION AND REFRACTORIES SERVICE	MEMPHIS TN 38105 ***FRS ID**: 110027728323*	WNW	0.35 / 1,846.38	20
WILLIAMS EXPRESS, INC. # 3254	MEMPHIS TN 38105 ***FRS ID**: 110027727173*	WNW	0.35 / 1,846.38	20
FORMER UNION GROVE BAPTIST CHURCH	MEMPHIS TN 38105 ***FRS ID**: 110027628976*	WNW	0.35 / 1,846.38	20
HARDY S SERVICE STATION	MEMPHIS TN 38105	WNW	0.35 / 1,846.38	20

Lower Elevation	Address	Direction	Distance (mi/ft)	Map Key
	***FRS ID**: 110027694136*			
PUBLIC WORKS SEWER AND DRAIN MAINT	MEMPHIS TN 38105 ***FRS ID**: 110027616881*	WNW	0.35 / 1,846.38	20
GOODYEAR ASC (CLOSED)	MEMPHIS TN 38105 ***FRS ID**: 110027652118*	WNW	0.35 / 1,846.38	20
MALLORY PUMPING STATION	MEMPHIS TN 38105 ***FRS ID**: 110027741442*	WNW	0.35 / 1,846.38	20
AIR MASK SERVICE UNIT	MEMPHIS TN 38105 ***FRS ID**: 110027753857*	WNW	0.35 / 1,846.38	20
GREYHOUND TERMINAL	MEMPHIS TN 38105 ***FRS ID**: 110027673765*	WNW	0.35 / 1,846.38	20
UT MEDICAL GROUP	MEMPHIS TN 38105 ***FRS ID**: 110027733898*	WNW	0.35 / 1,846.38	20
FLEET SERVICES	MEMPHIS TN 38105 ***FRS ID**: 110027710172*	WNW	0.35 / 1,846.38	20
AUTO CHLOR SYSTEM	MEMPHIS TN 38105 ***FRS ID**: 110027752732*	WNW	0.35 / 1,846.38	20
SCOTT S UNION 76	MEMPHIS TN 38105 ***FRS ID**: 110027637699*	WNW	0.35 / 1,846.38	20
WATER SERVICE CENTER	MEMPHIS TN 38105 ***FRS ID**: 110027690498*	WNW	0.35 / 1,846.38	20
ST. JUDE PARKING LOT	PARKING LOT ADJACENT TO 757 GALLOWAY AVE MEMPHIS TN 38105 ***FRS ID**: 110070256407*	NW	0.39 / 2,080.95	22
PERLMAN F & CO INC	476 NORTH MANASSAS MEMPHIS TN 38101 ***FRS ID**: 110004967484*	WNW	0.41 / 2,153.31	23
CITY OF MEMPHIS/SIGNS AND MARKINGS	435 MANASSAS MEMPHIS TN 38105	WNW	0.41 / 2,179.55	24

Lower Elevation	Address	Direction	Distance (mi/ft)	Map Key
	***FRS ID**: 110004953220*			
ST. JUDE WAREHOUSE DRIVEWAY	483 NORTH MANASSAS STREET MEMPHIS TN 38105	NW	0.43 / 2,261.27	27
	***FRS ID**: 110070554932*			
HART BILL	974 FAXON MEMPHIS TN 38105	N	0.43 / 2,269.87	28
	***FRS ID**: 110004971031*			
CUSTOM CRAFT FURNITURE CO*	750 GALLOWAY MEMPHIS TN 38105	NW	0.45 / 2,364.52	33
	***FRS ID**: 110004975215*			
HOSPITAL WING	UNKNOWN MEMPHIS TN 00000	S	0.46 / 2,431.26	34
	***FRS ID**: 110041612699*			

DOCKET HW - Hazardous Waste Compliance Docket Facilities

A search of the DOCKET HW database, dated May 6, 2021 has found that there are 1 DOCKET HW site(s) within approximately 0.50 miles of the project property.

Equal/Higher Elevation	Address	Direction	Distance (mi/ft)	Map Key
VA MEDICAL CENTER	1030 JEFFERSON AVE MEMPHIS TN 38104	SSE	0.42 / 2,230.29	26
	***EPA ID**: TNN000410932*			

State

SWM COMPLAINT - Solid Waste Management (SWM) Complaints

A search of the SWM COMPLAINT database, dated Jan 25, 2021 has found that there are 1 SWM COMPLAINT site(s) within approximately 0.25 miles of the project property.

Equal/Higher Elevation	Address	Direction	Distance (mi/ft)	Map Key
McKenzie - Lane Auto Salvage	433 North Waldran Memphis TN	ENE	0.22 / 1,150.03	6

NPDES - NPDES Permit Listing

A search of the NPDES database, dated Jul 7, 2022 has found that there are 9 NPDES site(s) within approximately 0.25 miles of the project property.

Equal/Higher Elevation	Address	Direction	Distance (mi/ft)	Map Key
BP's Lane Avenue Auto Parts, Inc.	433 North Waldran Blvd. Memphis TN	ENE	0.22 / 1,150.03	6

Equal/Higher Elevation	Address	Direction	Distance (mi/ft)	Map Key
McKenzie - Lane Auto Salvage	433 North Waldran Memphis TN	ENE	0.22 / 1,150.03	6

Lower Elevation	Address	Direction	Distance (mi/ft)	Map Key
Allmatic Inc	451 N Waldran Blvd Memphis TN	NE	0.24 / 1,290.94	11
Legends Park - Hope VI Redevelopment (formerly Site Improvements for Dixie	Homes) 916 Poplar Avenue - North of Poplar Ave., east of Ayers St., west of Decatur St. and south of I-40 Memphis TN	SSW	0.25 / 1,296.03	12
Legends Park - Hope VI Redevelopment (formerly Site Improvements for Dixie	Homes) 916 Poplar Avenue - North of Poplar Ave., east of Ayers St., west of Decatur St. and south of I-40 Memphis TN	SSW	0.25 / 1,296.03	12
Legends Park - Hope VI Redevelopment (formerly Site Improvements for Dixie	Homes) 916 Poplar Avenue - North of Poplar Ave., east of Ayers St., west of Decatur St. and south of I-40 Memphis TN	SSW	0.25 / 1,296.03	12
Legends Park - Hope VI Redevelopment (formerly Site Improvements for Dixie	Homes) 916 Poplar Avenue - North of Poplar Ave., east of Ayers St., west of Decatur St. and south of I-40 Memphis TN	SSW	0.25 / 1,296.03	12
Legends Park - Hope VI Redevelopment (formerly Site Improvements for Dixie	Homes) 916 Poplar Avenue - North of Poplar Ave., east of Ayers St., west of Decatur St. and south of I-40 Memphis TN	SSW	0.25 / 1,296.03	12
Medical Center Streetscape	Dunlap Street: Jefferson to Poplar; Poplar Ave: Dunlap to Decatur Memphis TN	S	0.25 / 1,304.29	13

Map: 1.0 Mile Radius

Order Number: 23010500258

Address: Legends Park Block A, Memphis, TN

ERIS

- Project Property
- Buffer Outline
- Sites with Higher Elevation
- Sites with Same Elevation
- Sites with Lower Elevation
- Sites with Unknown Elevation
- Areas with Higher Elevation
- Areas with Same Elevation
- Areas with Lower Elevation
- Areas with Unknown Elevation
- Freeways; Highways
- Traffic Circle; Ramp
- Major & Minor Arterial
- Traffic Circle; Ramp
- Local Road
- Rail
- State
- Country
- National Wetland
- Indian Reserve Land
- Plume
- 100 Year Flood Zone
- 500 Year Flood Zone
- FWS Special Designation Areas
- National Priorities List (Active, Delisted, Proposed, Institutional Control)

Source: © 2021 ESRI StreetMap Premium

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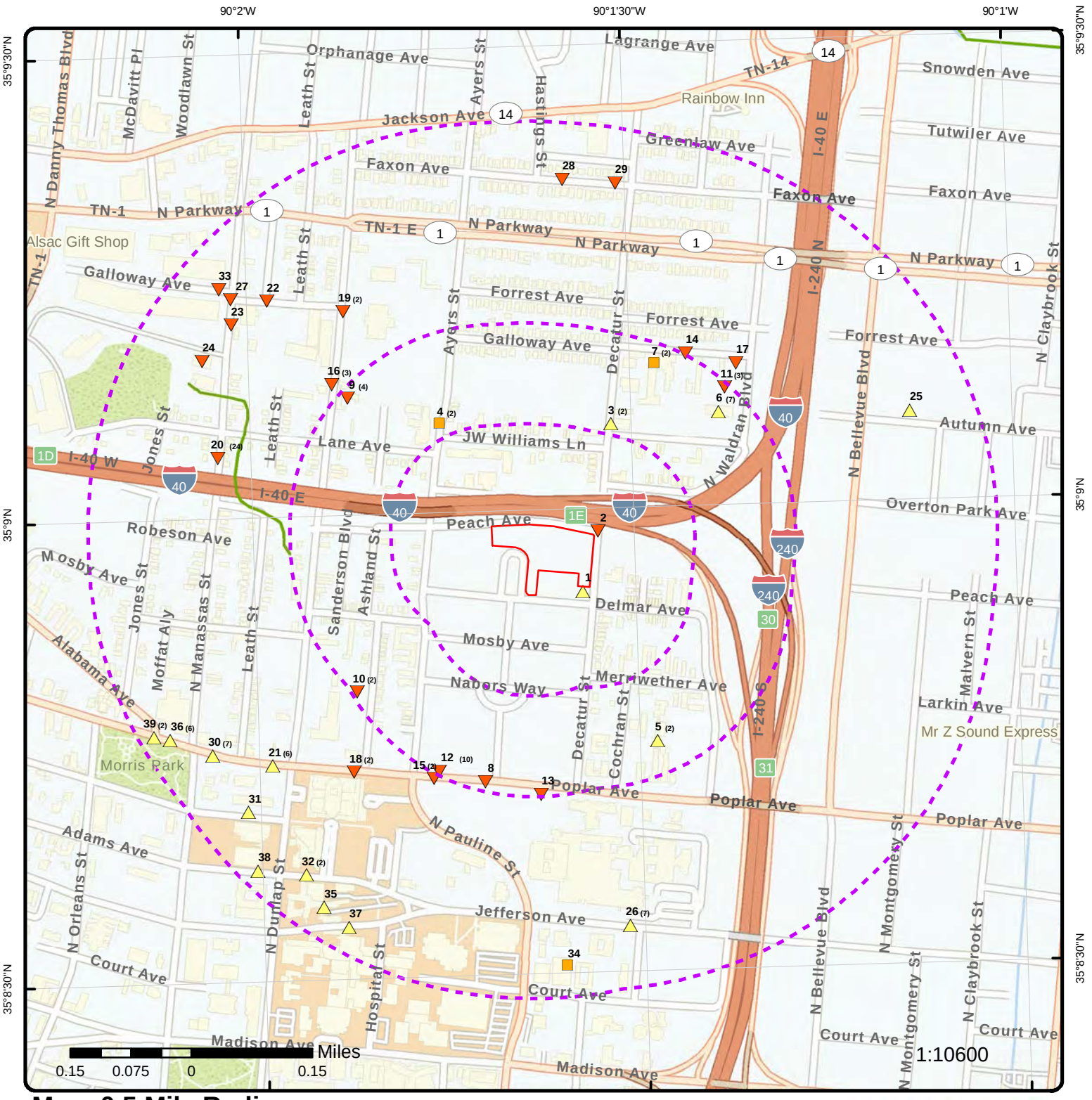

Map: 0.5 Mile Radius

Order Number: 23010500258

Address: Legends Park Block A, Memphis, TN

ERIS

- Project Property
- Buffer Outline
- Sites with Higher Elevation
- Sites with Same Elevation
- Sites with Lower Elevation
- Sites with Unknown Elevation
- Areas with Higher Elevation
- Areas with Same Elevation
- Areas with Lower Elevation
- Areas with Unknown Elevation
- Freeways; Highways
- Traffic Circle; Ramp
- Major & Minor Arterial
- Traffic Circle; Ramp
- Local Road
- Rail
- State
- Country
- National Wetland
- Indian Reserve Land
- Plume
- 100 Year Flood Zone
- 500 Year Flood Zone
- FWS Special Designation Areas
- National Priorities List (Active, Delisted, Proposed, Institutional Control)

Source: © 2021 ESRI StreetMap Premium

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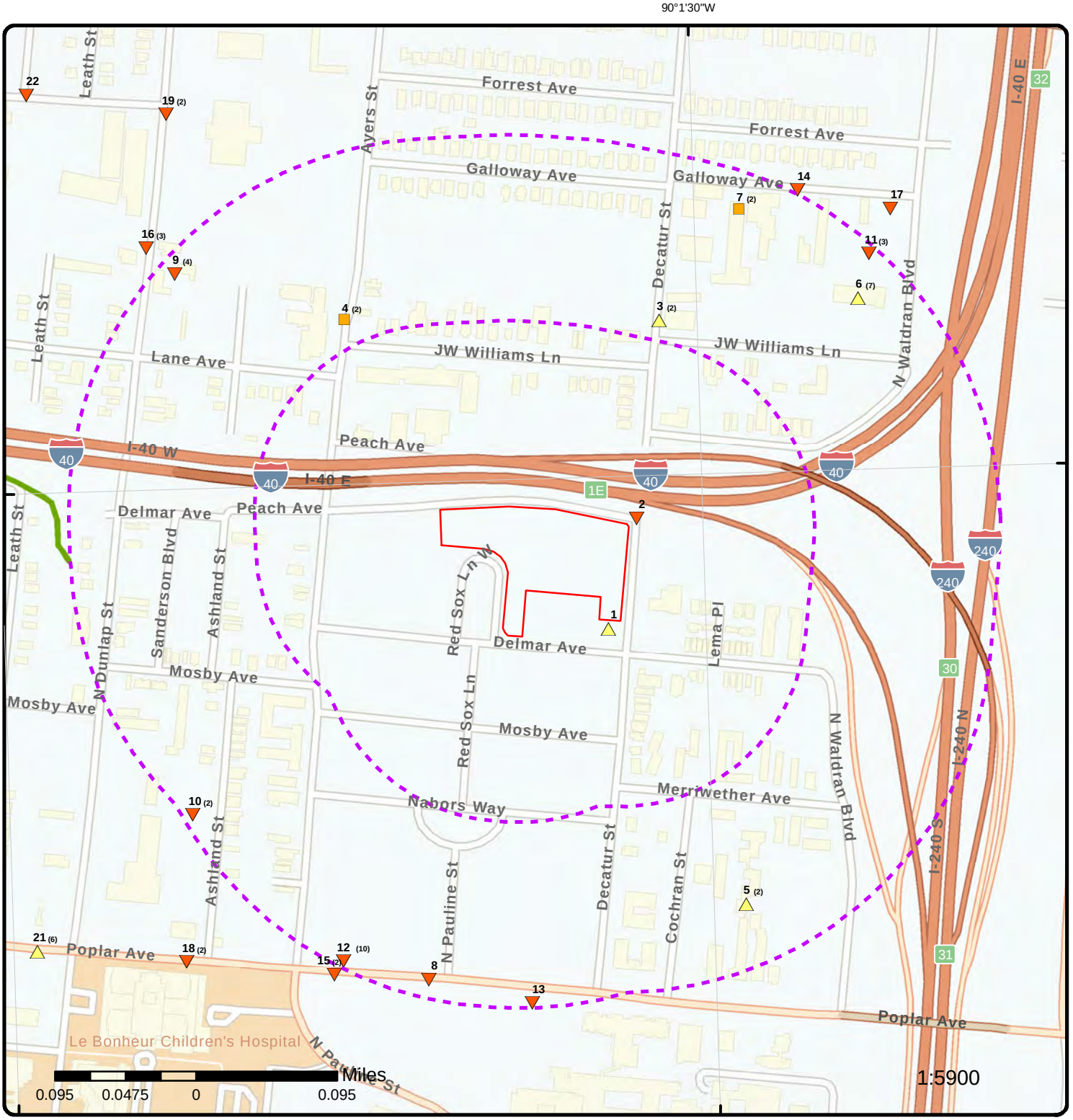

Map: 0.25 Mile Radius

Order Number: 23010500258

Address: Legends Park Block A, Memphis, TN

- Project Property
- Buffer Outline
- Sites with Higher Elevation
- Sites with Same Elevation
- Sites with Lower Elevation
- Sites with Unknown Elevation
- Areas with Higher Elevation
- Areas with Same Elevation
- Areas with Lower Elevation
- Areas with Unknown Elevation
- Freeways; Highways
- Traffic Circle; Ramp
- Major & Minor Arterial
- Traffic Circle; Ramp
- Local Road
- Rail
- State
- Country
- National Wetland
- Indian Reserve Land
- Plume
- 100 Year Flood Zone
- 500 Year Flood Zone
- FWS Special Designation Areas
- National Priorities List (Active, Delisted, Proposed, Institutional Control)

Source: © 2021 ESRI StreetMap Premium

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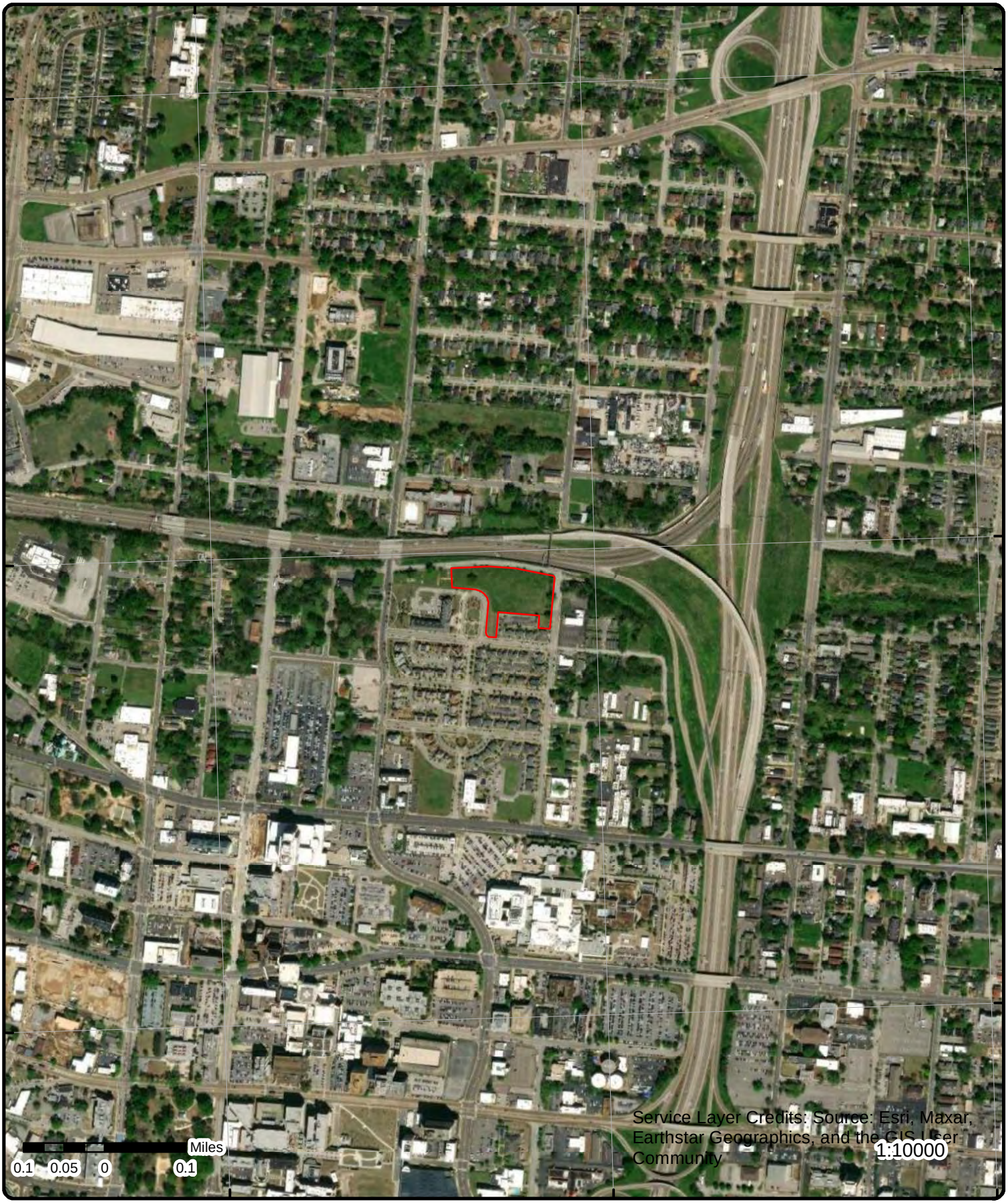


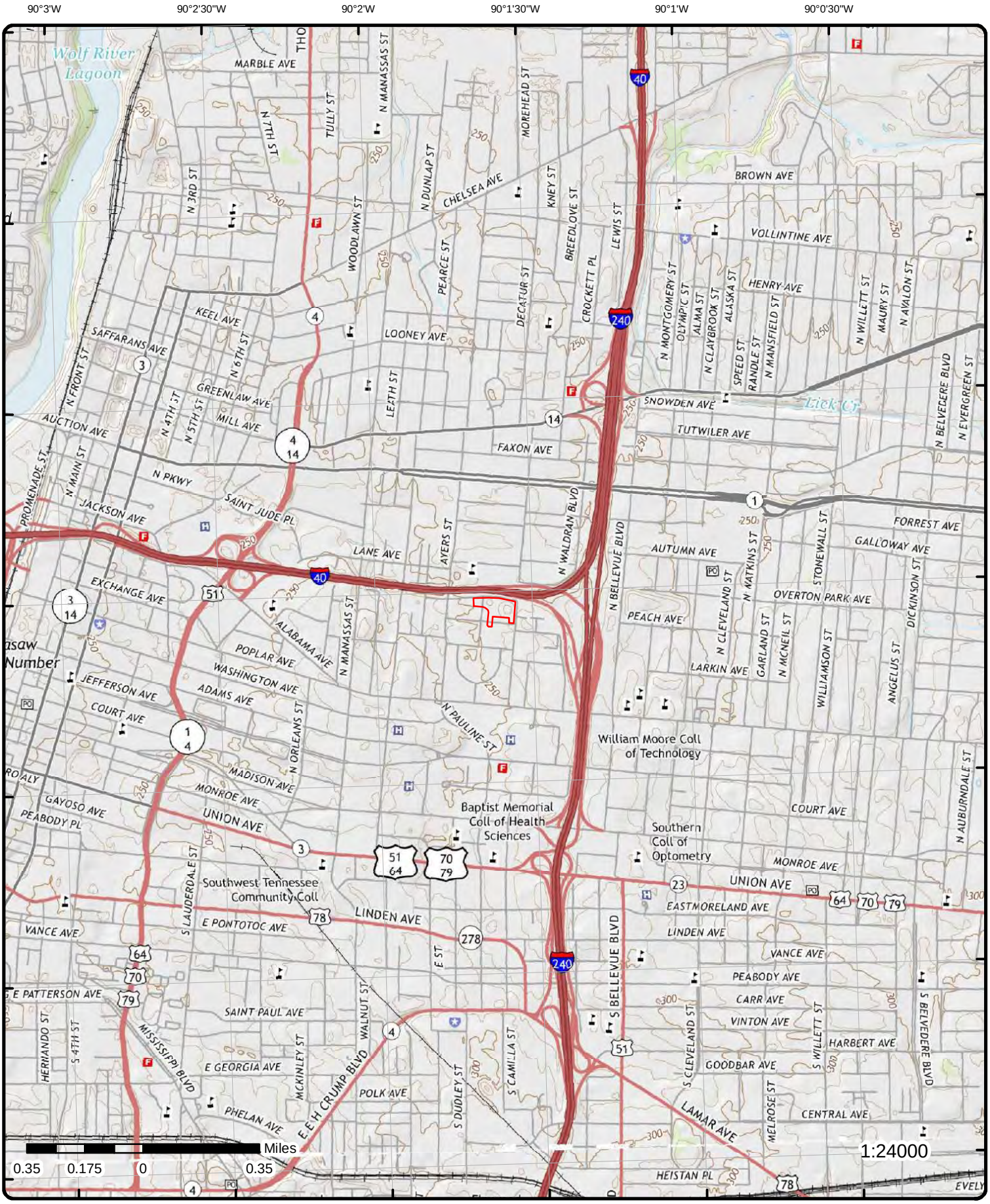
Aerial **Year: 2022**

Order Number: 23010500258

Address: Legends Park Block A, Memphis, TN

Source: ESRI World Imagery

© ERIS Information Inc.



Topographic Map

Year: 2016

Order Number: 23010500258

Address: Legends Park Block A, TN

Quadrangle(s): Northeast Memphis, TN; Northwest Memphis, TN; Southwest Memphis, TN

© ERIS Information Inc.

Source: USGS Topographic Map

Detail Report

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
1	1 of 1	SE	0.01 / 29.95	261.87 / 2	FERNANDO TELLEZ 313 DECATUR STREET MEMPHIS TN 38105	OSHA

Activity No:	313447930	**Safety/Health:**	Safety
Reporting ID:	0454711	**Safety Manufacturing:**	
Establishment Name:	FERNANDO TELLEZ	**Safety Construction:**	X
Open Date:	2009-05-08	**Safety Maritime:**	
Case Closed Date:	2009-08-07	**Health Manufacturing:**	
Owner Type:	Private	**Health Construction:**	
Owner Code:	0000	**Health Maritime:**	
Inspection Type:	Planned	**SIC Code:**	1761
Inspection Scope:	Complete	**SIC Desc:**	Roofing, siding, & sheet metal work
Why No Inspection:		**NAICS Code:**	238170
Advance Notice:	No	**NAICS Desc:**	Siding contractors
Union Status:	No	**Mail Street:**	416 LIDA COVE
No. of Employees:	6	**Mail City:**	CORDOVA
Migrant:		**Mail State:**	TN
State Flag:		**Mail Zip:**	38018
Host Establishment Key:	N125 000050429		
Case Modification Date:	2009-08-13		
Close Conference Date:	2009-05-08		
Load Date Timestamp:	2011-10-14 16:38:47 EDT		

OSHA Violation

Citation ID:	01001B
Delete Flag:	
Standard:	19260451 C02
Viol Type:	S
Issuance Date:	2009-07-14
Abate Date:	2009-07-29
Abate Complete:	X
Current Penalty:	
Initial Penalty:	
Contest Date:	
Final Order Date:	
NR Instances:	1
NR Exposed:	1
Rec:	
Gravity:	
Emphasis:	
Hazcat:	
FTA Insp NR:	
FTA Issuance Date:	
FTA Penalty:	
FTA Contest Date:	
FTA Final Order Date:	
Hazardous Substance 1:	
Hazardous Substance 2:	
Hazardous Substance 3:	
Hazardous Substance 4:	
Hazardous Substance 5:	
Load Date:	

OSHA Violation

Citation ID:	01001A
Delete Flag:	
Standard:	19260451 B04
Viol Type:	S
Issuance Date:	2009-07-14
Abate Date:	2009-07-29
Abate Complete:	X
Current Penalty:	500.0
Initial Penalty:	500.0
Contest Date:	
Final Order Date:	
NR Instances:	1
NR Exposed:	1
Rec:	
Gravity:	
Emphasis:	
Hazcat:	
FTA Insp NR:	
FTA Issuance Date:	
FTA Penalty:	
FTA Contest Date:	
FTA Final Order Date:	
Hazardous Substance 1:	
Hazardous Substance 2:	
Hazardous Substance 3:	
Hazardous Substance 4:	
Hazardous Substance 5:	
Load Date:	

OSHA Violation

Citation ID:	01001C
Delete Flag:	
Standard:	19260451 C02 II
Viol Type:	S
Issuance Date:	2009-07-14
Abate Date:	2009-07-29
Abate Complete:	X
Current Penalty:	
Initial Penalty:	
Contest Date:	
Final Order Date:	
NR Instances:	1
NR Exposed:	2
Rec:	
Gravity:	
Emphasis:	
Hazcat:	
FTA Insp NR:	
FTA Issuance Date:	
FTA Penalty:	
FTA Contest Date:	
FTA Final Order Date:	
Hazardous Substance 1:	
Hazardous Substance 2:	
Hazardous Substance 3:	
Hazardous Substance 4:	
Hazardous Substance 5:	
Load Date:	

OSHA Violation

Citation ID:	01001D
Delete Flag:	
Standard:	19260452 J02
Viol Type:	S
Issuance Date:	2009-07-14

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Abate Date:	2009-07-29
Abate Complete:	X
Current Penalty:	
Initial Penalty:	
Contest Date:	
Final Order Date:	
NR Instances:	1
NR Exposed:	2
Rec:	
Gravity:	
Emphasis:	
Hazcat:	
FTA Insp NR:	
FTA Issuance Date:	
FTA Penalty:	
FTA Contest Date:	
FTA Final Order Date:	
Hazardous Substance 1:	
Hazardous Substance 2:	
Hazardous Substance 3:	
Hazardous Substance 4:	
Hazardous Substance 5:	
Load Date:	

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
2	1 of 1	ENE	0.01 / 39.75	255.66 / -4	H D CONSTRUCTION COMPANY DECATUR ST & PEACH AVE MEMPHIS TN 38105	OSHA

Activity No:	309227791	**Safety/Health:**	Safety
Reporting ID:	0454711	**Safety Manufacturing:**	
Establishment Name:	H D CONSTRUCTION COMPANY	**Safety Construction:**	X
Open Date:	2005-09-07	**Safety Maritime:**	
Case Closed Date:	2005-09-23	**Health Manufacturing:**	
Owner Type:	Private	**Health Construction:**	
Owner Code:	0000	**Health Maritime:**	
Inspection Type:	Complaint	**SIC Code:**	1771
Inspection Scope:	Partial	**SIC Desc:**	Concrete work
Why No Inspection:		**NAICS Code:**	238110
Advance Notice:	No	**NAICS Desc:**	Poured concrete foundation and structure contractors
Union Status:	No	**Mail Street:**	P. O. BOX 3138
No. of Employees:	8	**Mail City:**	FLORENCE
Migrant:		**Mail State:**	AL
State Flag:		**Mail Zip:**	35631
Host Establishment Key:	N125 000043508		
Case Modification Date:	2008-03-31		
Close Conference Date:	2005-09-07		
Load Date Timestamp:	2011-10-14 16:38:47 EDT		

OSHA Related Activity

Related Activity NR:	205509730
Related Activity Type:	C
Related Activity Safety:	X
Related Activity Health:	
Load Date Timestamp:	2011-10-14 16:41:57 EDT

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
3	1 of 2	NNE	0.14 / 733.36	260.93 / 2	MEMPHIS LIGHT GAS AND WATER DIVISION 418 DECATUR LANE MEMPHIS TN 38105	RCRA NON GEN

EPA Handler ID:	TNR000007278
Gen Status Universe:	No Report
Contact Name:	MONICA DARBY
Contact Address:	418 DECATUR LANE , , MEMPHIS , TN, 38105 , US

Contact Phone No and Ext:	901-528-4423
Contact Email:	
Contact Country:	US
County Name:	SHELBY
EPA Region:	04
Land Type:	
Receive Date:	20000303
Location Latitude:	
Location Longitude:	

Violation/Evaluation Summary

Note: NO RECORDS: As of Sep 2022, there are no Compliance Monitoring and Enforcement (violation) records associated with this facility (EPA ID).

Handler Summary

Importer Activity:	No
Mixed Waste Generator:	No
Transporter Activity:	No
Transfer Facility:	No
Onsite Burner Exemption:	No
Furnace Exemption:	No
Underground Injection Activity:	No
Commercial TSD:	No
Used Oil Transporter:	No
Used Oil Transfer Facility:	No
Used Oil Processor:	No
Used Oil Refiner:	No
Used Oil Burner:	No
Used Oil Market Burner:	No
Used Oil Spec Marketer:	No

Hazardous Waste Handler Details

Sequence No:	1
Receive Date:	20000303
Handler Name:	MEMPHIS LIGHT GAS AND WATER DIVISION
Source Type:	Notification
Federal Waste Generator Code:	N
Generator Code Description:	Not a Generator, Verified

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
3	*2 of 2*	*NNE*	*0.14 / 733.36*	*260.93 / 2*	***MEMPHIS LIGHT GAS AND WATER DIVISION 418 DECATUR LANE MEMPHIS TN 38105***	*ECHO*

FRS ID:	110005006741	***Facility Latitude:***	35.1516
Fac EPA Region:	04	***Facility Longitude:***	-90.02553
Facility County:	SHELBY		

Facility Details

Major Facility?:		***Air?:***	No
Active/Operating?:		***NPDES?:***	No
Compliance Status:	No Violation Identified	***SDWIS?:***	No
Signif Non Compl?:	N	***RCRA?:***	Yes
Programs with SNC:	0	***TRI?:***	No
Qtrs with NC:	0	***GHG?:***	No
3Yr Compliance Hist:	_____	***SIC Codes:***	
Formal Action Count:	0	***NAICS Codes:***	2211
Last Formal Action:		***FIPS Code:***	47157
Last EPA Formal Act:		***Indian/Tribal?:***	No

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Last State Formal Act:		**Federal ?:**	
Informal Count:	0	**Federal Agency:**	
Last Informal Action:		**Chesapeake Bay?:**	
Last EPA Informal A:		**NAA?:**	No
Last State Informal A:		**Coordinate Method:**	ADDRESS MATCHING-HOUSE NUMBER
Total Penalties:	0	**Reference Point:**	CENTER OF A FACILITY OR STATION
Penalty Count:		**Accuracy (Meters):**	30
Date of Last Penalty:		**Inspection Count:**	0
Last Penalty Amount:		**Last Inspection:**	
myRTK Universe:	NNN	**Last EPA Inspection:**	
Dschg Impair Water?:		**Last State Inspection:**	
EJ Screen 80%:	Yes	**Days Last Inspection:**	
DFR URL:	http://echo.epa.gov/detailed-facility-report?fid=110005006741		

Resource Conservation and Recovery Act (RCRA)

RCRA ID(s):	TNR000007278	**Penalties:**	
Permit Types:	Other	**Last Penalty Date:**	
RCRA NAICS:	2211	**Last Penalty Amt:**	
Inspection Count:		**Qtrs with NC:**	0
Informal Count:		**Compliance Status:**	No Violation Identified
Formal Action Cnt:		**SNC ?:**	No
Days since Last Evaluation:			
Date of Last Formal Action:			
3Yr Compl Qtrs History:	_____		

4	*1 of 2*	*NW*	*0.14 / 756.03*	*258.97 / 0*	***COLLINS CHAPEL HOSP HLTH CTR*** ***409 N AYERS ST*** ***MEMPHIS TN 38107***	***RCRA NON GEN***

EPA Handler ID:	TND081341950
Gen Status Universe:	No Report
Contact Name:	COLLINS CHAPEL
Contact Address:	409 N AYERS ST , , MEMPHIS , TN, 38107 , US
Contact Phone No and Ext:	615-555-1212
Contact Email:	
Contact Country:	US
County Name:	SHELBY
EPA Region:	04
Land Type:	
Receive Date:	19801119
Location Latitude:	
Location Longitude:	

Violation/Evaluation Summary

Note:	NO RECORDS: As of Sep 2022, there are no Compliance Monitoring and Enforcement (violation) records associated with this facility (EPA ID).

Handler Summary

Importer Activity:	No
Mixed Waste Generator:	No
Transporter Activity:	No
Transfer Facility:	No
Onsite Burner Exemption:	No
Furnace Exemption:	No
Underground Injection Activity:	No
Commercial TSD:	No
Used Oil Transporter:	No
Used Oil Transfer Facility:	No
Used Oil Processor:	No
Used Oil Refiner:	No
Used Oil Burner:	No

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Used Oil Market Burner: No
Used Oil Spec Marketer: No

Hazardous Waste Handler Details

Sequence No: 1
Receive Date: 19801119
Handler Name: COLLINS CHAPEL HOSP HLTH CTR
Source Type: Notification
Federal Waste Generator Code: N
Generator Code Description: Not a Generator, Verified

---

4 | **2 of 2** | **NW** | **0.14 / 756.03** | **258.97 / 0** | **COLLINS CHAPEL HOSP HLTH CTR**
409 N AYERS ST
MEMPHIS TN 38107 | **ECHO**

FRS ID: 110004978980
Fac EPA Region: 04
Facility County: SHELBY
Facility Latitude: 35.15154
Facility Longitude: -90.02923

Facility Details

Major Facility?:
Active/Operating?:
Compliance Status: No Violation Identified
Signif Non Compl?: N
Programs with SNC: 0
Qtrs with NC: 0
3Yr Compliance Hist: _____
Formal Action Count: 0
Last Formal Action:
Last EPA Formal Act:
Last State Formal Act:
Informal Count: 0
Last Informal Action:
Last EPA Informal A:
Last State Informal A:
Total Penalties: 0
Penalty Count:
Date of Last Penalty:
Last Penalty Amount:
myRTK Universe: NNN
Dschg Impair Water?:
EJ Screen 80%: Yes
DFR URL: http://echo.epa.gov/detailed-facility-report?fid=110004978980

Air?: No
NPDES?: No
SDWIS?: No
RCRA?: Yes
TRI?: No
GHG?: No
SIC Codes:
NAICS Codes: 62211
FIPS Code: 47157
Indian/Tribal?: No
Federal ?:
Federal Agency:
Chesapeake Bay?:
NAA?: No
Coordinate Method: ADDRESS MATCHING-HOUSE NUMBER
Reference Point: CENTER OF A FACILITY OR STATION
Accuracy (Meters): 30
Inspection Count: 0
Last Inspection:
Last EPA Inspection:
Last State Inspection:
Days Last Inspection:

Resource Conservation and Recovery Act (RCRA)

RCRA ID(s): TND081341950
Permit Types: Other
RCRA NAICS: 62211
Inspection Count:
Informal Count:
Formal Action Cnt:
Days since Last Evaluation:
Date of Last Formal Action:
3Yr Compl Qtrs History: _____

Penalties:
Last Penalty Date:
Last Penalty Amt:
Qtrs with NC: 0
Compliance Status: No Violation Identified
SNC ?: No

---

5 | **1 of 2** | **SSE** | **0.21 / 1,100.71** | **271.75 / 12** | **POPLAR SQUARE APARTMENTS**
1070 POPLAR AVE
MEMPHIS TN 38104 | **CEA**

Registry ID: 110033195370

Primary SIC Cd(s):
Prim NAICS Cd(s): 531110

Civil Enforcement Case Details

Case No: 04-2009-2622
Activity ID: 1400034542

Case Information

Case Name: ROBERTS PROPERTIES DBA POPLAR SQUARE APARTMENTS
Case Status Date: 04/24/2009
DOJ Docket No:
Regional Docket No: TSCA-04-2009-2622(b)
Lead: EPA
Fiscal Year: 2009
Multimedia Flag:
State Code:
Region Code: 04
Activity Name: ROBERTS PROPERTIES DBA POPLAR SQUARE APARTMENTS
Activity Type Cd: AFR
Activity Type Desc: Administrative - Formal
Activity Status Cd: CLS
Activity Status Desc: Closed
Activity Status Date: 04/24/2009
HQ Division:
Branch:
Vol Self Disclosure Flag: N
ENF Outcome Cd: ECP
ENF Outcome Desc: Final Order With Penalty
ENF Summary Text: 3/19/2009 - CONSENT AGREEMENT AND FINAL ORDER ISSUED, ASSESSING A PENALTY OF $7,700. RESPONDENT SHALL MAKE PAYMENT WITHIN THIRTY DAYS. ORDER ALLEGES:
A. PURSUANT TO 40 CFR SECTION 745.107(a)(1), A LESSOR SHALL PROVIDE THE LESSEE AN EPA-APPROVED LEAD HAZARD INFORMATION PAMPHLET BEFORE THE LESSEE IS OBLIGATED UNDER ANY CONTRACT TO LEASE TARGET HOUSING. RESPONDENT FAILED TO PROVIDE LESSEE AN EPA-APPROVED PAMPHLET IN AT LEAST ONE LEASE.
B. PURSUANT TO 40 CFR SECTION 745.113(b)(1), EACH CONTRACT TO LEASE TARGET HOUSING SHALL INCLUDE, AS AN ATTACHMENT TO OR WITHIN THE CONTRACT, THE LEAD WARNING STATEMENT. RESPONDENT FAILED TO INCLUDE AN APPROPRIATE STATEMENT IN AT LEAST ONE LEASE.
C. PURSUANT TO 40 CFR SECTION 745.113(b)(2), EACH CONTRACT TO LEASE TARGET HOUSING SHALL INCLUDE, AS AN ATTACHMENT TO OR WITHIN THE CONTRACT, A STATEMENT DISCLOSING THE PRESENCE OF KNOWN LEAD-BASED PAINT AND/OR LEAD-BASE PAINT HAZARDS IN THE TARGET HOUSING BEING PURCHASED OR A STATEMENT INDICATING NO KNOWLEDGE OF THE PRESENCE OF LEAD-BASED PAINT AND/OR LEAD-BASED PAINT HAZARDS. RESPONDENT FAILED TO INCLUDE AN APPROPRIATE STATEMENT IN AT LEAST ONE LEASE.
D. PURSUANT TO 40 CFR SECTION 745.113(b)(4), EACH CONTRACT TO LEASE TARGET HOUSING SHALL INCLUDE, AS AN ATTACHMENT TO OR WITHIN THE CONTRACT, A LIST OF ANY RECORDS OR REPORTS AVAILABLE TO THE LESSOR THAT PERTAIN TO LEAD HAZARD INFORMATION OR AN INDICATION THAT NO SUCH LIST EXISTS. RESPONDENT FAILED TO INCLUDE THE APPROPRIATE INFORMATION IN AT LEAST ONE LEASE.
E. PURSUANT TO 40 CFR SECTION 745.113(b)(3), EACH CONTRACT TO LEASE TARGET HOUSING SHALL INCLUDE IN THE CONTRACT FOR LEASE A STATEMENT BY THE LESSEE AFFIRMING RECEIPT OF THE INFORMATION. RESPONDENT FAILED TO INCLUDE THE APPROPRIATE INFORMATION IN AT LEAST ONE LEASE. RESPONDENT FAILED TO INCLUDE THE APPROPRIATE INFORMATION IN AT LEAST ONE LEASE.
F. PURSUANT TO 40 CFR SECTION 745.113(b)(5), EACH CONTRACT TO LEASE TARGET HOUSING SHALL INCLUDE, AS AN ATTACHMENT TO OR WITHIN THE CONTRACT, A STATEMENT BY THE ONE OR MORE AGENTS INVOLVED IN THE TRANSACTION TO LEASE TARGET HOUSING THAT THE AGENTS(S) HAS INFORMED THE LESSOR OR THE LESSOR'S OBLIGATIONS AND THAT THE AGENTS(S) IS AWARE OF HIS DUTY TO ENSURE COMPIANCE. RESPONDENT FAILED TO INCLUDE THE APPROPRIATE INFORMATION IN AT LEAST ONE LEASE.
G. PURSUANT TO 40 CFR SECTION 745.113(b)(6), EACH CONTRACT TO LEASE TARGET HOUSING SHALL INCLUDE IN THE CONTRACT FOR LEASE SIGNATURES OF THE LESSOR, AGENT, AND LESSEE CERTIFYING TO THE ACCURACY OF THEIR STATEMENT, AS SELL AS DATES. RESPONDENT FAILED TO INCLUDE THE APPROPRIATE INFORMATION IN AT LEAST ONE LEASE.
Total Penalty Assessed Amt:
Total Cost Recovery Amt:
Total Comp Action Amt:

Laws Sections

Rank Order: 1
Statute Code: TSCA
Law Section Code: 409
Law Section Desc: Lead: Violation of Section 1018

Case Facilities

Primary SIC Code:
Primary NAICS Code: 531110
Facility Name: POPLAR SQUARE APARTMENTS
Location Address: 1070 POPLAR AVE
City: MEMPHIS
State Code: TN
Zip: 38104

Case Defendants

Activity ID:
Defendant Name: ROBERTS PROPERTIES (SB)
Named in Complaint Flag: Yes
Named in Settlement Flag: Yes

Activity ID:
Defendant Name: POPLAR SQUARE APARTMENTS (SB)
Named in Complaint Flag: Yes
Named in Settlement Flag: Yes

Case Milestones

Actual Date: 04/24/2009
Sub Activity Type Code: CLSA
Sub Activity Type Desc: Enforcement Action Closed

Actual Date: 03/19/2009
Sub Activity Type Code: CAFO
Sub Activity Type Desc: Final Order Issued

Actual Date: 03/19/2009
Sub Activity Type Code: CPOA
Sub Activity Type Desc: Complaint Filed/Proposed Order

Actual Date: 03/20/2009
Sub Activity Type Code: ROPNA
Sub Activity Type Desc: Enforcement Action Data Entered

Violations

Rank Order:
Violation Type Code: L4N
Violation Type Desc: Lead-Based Paint

Enforcement Type

ENF Type Code: 16
ENF Type Desc: TSCA 16 Action For Penalty

Penalties

Fed Penalty: 7700

ST LCL Penalty: 0
Total SEP: 0
Compliance Action Cost: 144
Federal Cost Recovery Amt:
State Cost Recovery Amt:
Penalty Collected Amt: 7700

Case Conclusion

Primary Law: TSCA
Settlement Year: 2009
ENF Conclusion ID: 1400006129
ENF Conclusion No: 1
ENF Concl Action Cd: APO
ENF Concl Name: ROBERTS PROPERTIES DBA POPLAR SQUARE APARTMENTS
Settlement Lodged Date:
Settlement Entered Date: 03/19/2009
Fed Penalty Assessed Amt: 7700
Cost Recovery Awarded Amt:
Region Code: 04
Activity Type Code: AFR

Pollutant Reductions

Environmental Impact ID: 1400003926
Pollutant Code: 7658
Pollutant Name: Lead paint
Average Annual Value: 72
Pollutant Unit Code: MFHU
Media Code: HUS
Media Desc: Housing
SEP or Comp Flag: C

Complying Actions

Comp Action ID: 1400004349
Comp Action Desc:
Comp Action Type Code: LBP
Comp Action Type Desc: Migrated Lead-Based Paint Disclosure
Comp Action Categ Typ Desc: Preventative

Comp Action ID: 2600818184
Comp Action Desc:
Comp Action Type Code: MDP
Comp Action Type Desc: Migrated Data (Preventative)
Comp Action Categ Typ Desc: Preventative

Enforcement Conclusion Facilities

ICIS Facility Interest ID: 600038734
Facility UIN: 110033195370
Facility Name: POPLAR SQUARE APARTMENTS
Facility City: MEMPHIS
Facility State: TN
Facility Zip: 38104

Enforcement Conclusion Dollars

Fed Penalty: 7700
SEP Cost:
State Local Penalty Amt:
Cost Recovery Amt: 0
Compliance Action Cost: 144

Penalty Collected Amt: 7700

ICIS EPA Inspections

Registry ID: 110033195370
Pgm Sys ID: 600038734
Activity ID: 600074635
Pgm Sys Acrnm: ICIS
Facility Name: POPLAR SQUARE APARTMENTS
Epa Region Code: 04
Activity Type Code: INS
Activity Type Desc: Inspection/Evaluation
Comp Monitor UID: 04000F359146
Comp Monitor Types: Lead Paint
Statute Code: TSCA
Law Section Code: 1018
Actual Begin Dt: 11/27/2007
Actual End Dt: 11/27/2007
Agency: EPA
Comp Monitor Agency Types: U.S. EPA

Case Priorities

Priority Code: 1053
Priority Desc: Region 04 - Lead Disclosure Rule TSCA (1018)
Fiscal Year: 2009

Case Programs

Program Code: TSCALEAD
Program Desc: TSCA Lead-Based Paint Disclosure Rule

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
5	2 of 2	SSE	0.21 / 1,100.71	271.75 / 12	POPLAR SQUARE APARTMENTS 1070 POPLAR AVE MEMPHIS TN 38104	ECHO

FRS ID: 110033195370
Fac EPA Region: 04
Facility County: SHELBY
Facility Latitude: 35.14477
Facility Longitude: -90.02477

Facility Details

Major Facility?:
Active/Operating?:
Compliance Status:
Signif Non Compl?: N
Programs with SNC: 0
Qtrs with NC:
3Yr Compliance Hist:
Formal Action Count: 0
Last Formal Action: 03/19/2009
Last EPA Formal Act: 03/19/2009
Last State Formal Act:
Informal Count: 0
Last Informal Action:
Last EPA Informal A:
Last State Informal A:
Total Penalties: 0
Penalty Count:
Date of Last Penalty: 03/19/2009
Last Penalty Amount: 7700
myRTK Universe: NNN
Dschg Impair Water?:
Air?: No
NPDES?: No
SDWIS?: No
RCRA?: No
TRI?: No
GHG?: No
SIC Codes:
NAICS Codes:
FIPS Code: 47157
Indian/Tribal?: No
Federal ?:
Federal Agency:
Chesapeake Bay?:
NAA?: No
Coordinate Method: ADDRESS MATCHING-HOUSE NUMBER
Reference Point: CENTER OF A FACILITY OR STATION
Accuracy (Meters): 30
Inspection Count: 0
Last Inspection:
Last EPA Inspection:
Last State Inspection:

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

EJ Screen 80%: Yes **Days Last Inspection:**
DFR URL: http://echo.epa.gov/detailed-facility-report?fid=110033195370

Federal Enforcement and Compliance (FEC)

FEC Case IDS: 04-2009-2622
No. of Cases:
Last Case Date: 03/19/2009
Total Penalties:

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6 | ***1 of 7*** | ***ENE*** | ***0.22 / 1,150.03*** | ***261.09 / 2*** | ***BP'S LANE AVENUE AUTO PARTS, INC.***
433 NORTH WALDRAN BLVD.
MEMPHIS TN 38105 | ***CEA***

Registry ID: 110059710638
Primary SIC Cd(s): 5015
Prim NAICS Cd(s):

Civil Enforcement Case Details

Case No: TN-200102893
Activity ID: 3400282515

Case Information

Case Name: BP's Lane Avenue Auto Parts
Case Status Date: 07/22/2014
DOJ Docket No:
Regional Docket No:
Lead: State
Fiscal Year:
Multimedia Flag:
State Code: TN
Region Code: 04
Activity Name: BP's Lane Avenue Auto Parts
Activity Type Cd: AIF
Activity Type Desc: Administrative - Informal
Activity Status Cd: ACH
Activity Status Desc: Achieved
Activity Status Date: 07/22/2014
HQ Division:
Branch:
Vol Self Disclosure Flag:
ENF Outcome Cd:
ENF Outcome Desc:
ENF Summary Text:
Total Penalty Assessed Amt:
Total Cost Recovery Amt:
Total Comp Action Amt:

Laws Sections

Rank Order: 0
Statute Code: CWA
Law Section Code: OTHER
Law Section Desc: Violations not covered elsewhere

Case Facilities

Primary SIC Code: 5015
Primary NAICS Code:

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Facility Name: BP'S LANE AVENUE AUTO PARTS, INC.
Location Address: 433 NORTH WALDRAN BLVD.
City: MEMPHIS
State Code: TN
Zip: 38105

Enforcement Type

ENF Type Code: NOV
ENF Type Desc: Notice of Violation

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6 | **2 of 7** | **ENE** | **0.22 / 1,150.03** | **261.09 / 2** | **McKenzie - Lane Auto Salvage**
433 North Waldran
Memphis TN | **NPDES**

Permit No: TNR050577
Site ID: 7529
TDOT Pin:
TDOT Project No:
MS4: TNS068276
Std Indust Class: 5015
Hydro Code: 08010210
Status: Inactive
Type: TMSP
Rating: N/A
Site Name: McKenzie - Lane Auto Salvage
Permittee Name: McKenzie - Lane Auto Salvage
Project Name:
ARAP Type:
Activity Desc: Auto Recycling
Effluent Desc:
Receiving Stream: Unnamed tributary to the Wolf River
Location: 433 North Waldran
Permit Type Desc: Tennessee Storm Water Multi-Sector General NPDES Permit for Industrial Activities
Status Desc: Inactivated

Expiration: 31-DEC-2006
Effective: 12-MAY-2002
Issuance: 08-MAY-2002
App to NonComm Off: 07-MAY-2002
Discharge Code:
Discharge Cd Desc:
Watershed Name: Wolf
Env Fld Office Nm: Memphis
County: Shelby

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6 | **3 of 7** | **ENE** | **0.22 / 1,150.03** | **261.09 / 2** | **BP's Lane Avenue Auto Parts, Inc.**
433 North Waldran Blvd.
Memphis TN | **NPDES**

Permit No: TNR056533
Site ID: 11751
TDOT Pin:
TDOT Project No:
MS4: TNS068276
Std Indust Class: 5015
Hydro Code: 08010210
Status: Active
Type: TMSP
Rating: N/A
Site Name: BP's Lane Avenue Auto Parts, Inc.
Permittee Name: BP's Lane Avenue Auto Parts, Inc.
Project Name:
ARAP Type:
Activity Desc:
Effluent Desc:
Receiving Stream: Cypress Creek
Location: 433 North Waldran Blvd.
Permit Type Desc: Tennessee Storm Water Multi-Sector General NPDES Permit for Industrial Activities
Status Desc: Active Pemit

Expiration: 30-JUN-2025
Effective: 20-JUL-2020
Issuance: 19-JUL-2020
App to NonComm Off: 15-MAR-2016
Discharge Code:
Discharge Cd Desc:
Watershed Name: Wolf
Env Fld Office Nm: Memphis
County: Shelby

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6 | **4 of 7** | **ENE** | **0.22 / 1,150.03** | **261.09 / 2** | **BP'S LANE AVENUE AUTO PARTS, INC.** | **NPDES**

433 NORTH WALDRAN BLVD.
MEMPHIS
MEMPHIS TN 38105

ICIS Fac Interest ID:	3400083529	***Impaired Waters:***	303(D) Listed
NPDES ID:	TNR056533	***County Code:***	TN157
Facility UIN:	110059710638	***County:***	SHELBY
Fac Type Cd:		***Geocode Lat:***	35.151686
Fac Type Desc:		***Geocode Long:***	-90.023152

ICIS Permits

Activity ID:	3400242970	***Issuing Agency:***	TDEC-DWR
Version No:	1	***Agency Typ Cd:***	ST6
Orig Issue Date:	09/09/2009	***Agency Typ Desc:***	State
Issue Date:	09/09/2009	***Prmt Comp Stat Flg:***	Yes
Effective Date:	10/01/2009	***RNC Tracking Flag:***	Yes
Expiration Date:	05/31/2014	***Master Exter Prmt No:***	TNR050000
Retirement Date:	03/15/2016	***TMDL Interface Flag:***	
Termination Date:		***State Wtr Body:***	
Fac Type Indicator:	NON-POTW	***State Wtr Body Nme:***	Cypress Creek
Permit Typ Cd:	GPC	***Prmt Status Code:***	EXP
Prmt Type Desc:	General Permit Covered Facility	***Prmt Status Desc:***	Expired
Permit Name:	BP's Lane Avenue Auto Parts, Inc.		
Major Minor Status Flag:	N		
Major Minor Status Desc:	Minor Discharger		
Total Design Flow No:			
Actual Avg Flow No:			
Edmr Auth Flag:	No		
Pretrmt Indicator Cd:			
Pretrmt Indicator Desc:			

Activity ID:	3600858805	***Issuing Agency:***	TDEC-DWR
Version No:	2	***Agency Typ Cd:***	ST6
Orig Issue Date:	09/09/2009	***Agency Typ Desc:***	State
Issue Date:	03/16/2016	***Prmt Comp Stat Flg:***	
Effective Date:	03/16/2016	***RNC Tracking Flag:***	Yes
Expiration Date:	04/14/2020	***Master Exter Prmt No:***	TNR050000
Retirement Date:	07/19/2020	***TMDL Interface Flag:***	
Termination Date:		***State Wtr Body:***	
Fac Type Indicator:	NON-POTW	***State Wtr Body Nme:***	Cypress Creek
Permit Typ Cd:	GPC	***Prmt Status Code:***	EXP
Prmt Type Desc:	General Permit Covered Facility	***Prmt Status Desc:***	Expired
Permit Name:	BP's Lane Avenue Auto Parts, Inc.		
Major Minor Status Flag:	N		
Major Minor Status Desc:	Minor Discharger		
Total Design Flow No:			
Actual Avg Flow No:			
Edmr Auth Flag:	No		
Pretrmt Indicator Cd:			
Pretrmt Indicator Desc:			

Activity ID:	3602392644	***Issuing Agency:***	TDEC - DWR
Version No:	0	***Agency Typ Cd:***	ST6
Orig Issue Date:	09/09/2009	***Agency Typ Desc:***	State
Issue Date:	07/20/2020	***Prmt Comp Stat Flg:***	
Effective Date:	07/20/2020	***RNC Tracking Flag:***	Yes
Expiration Date:	06/30/2022	***Master Exter Prmt No:***	TNR050000
Retirement Date:		***TMDL Interface Flag:***	
Termination Date:		***State Wtr Body:***	08010210
Fac Type Indicator:	NON-POTW	***State Wtr Body Nme:***	Wolf
Permit Typ Cd:	GPC	***Prmt Status Code:***	EFF
Prmt Type Desc:	General Permit Covered Facility	***Prmt Status Desc:***	Effective
Permit Name:	BP's Lane Avenue Auto Parts, Inc.		
Major Minor Status Flag:	N		
Major Minor Status Desc:	Minor Discharger		
Total Design Flow No:			
Actual Avg Flow No:			

Edmr Auth Flag: No
Pretrmt Indicator Cd:
Pretrmt Indicator Desc:

NPDES Inspections

Registry ID: 110059710638
Activity ID: 3600896729
Actvty Typ Cd: INS
State EPA Flag: S
Comp Mntr Type Desc: Reconnaissance without Sampling
Actvty Outcome Desc:
Comp Mntr Type Cd: ROS
Actual Begin Date: 03/01/2016
Actual End Date: 03/01/2016
Actvty Outcome Cd:

Registry ID: 110059710638
Activity ID: 3600005289
Actvty Typ Cd: INS
State EPA Flag: S
Comp Mntr Type Desc: Evaluation
Actvty Outcome Desc:
Comp Mntr Type Cd: CEI
Actual Begin Date: 03/18/2014
Actual End Date: 03/18/2014
Actvty Outcome Cd:

CWA Informal Enforcement Actions

Registry ID: 110059710638
Agency: State
Activity ID: 3400282515
Actvty Typ Cd: AIF
Activity Typ: Administrative, Informal
Official Flg: Y
Actvty Typ Desc: Administrative - Informal
ENF Type Cd: NOV
ENF Typ Desc: Notice of Violation
Achieved Date: 07/22/2014
ENF Identifier: TN-200102893

QNCR Historic Compliance

Year Quarter: 20192
E90 Violations in Qtr: 0
Compl. Sched Viol in Qt: 0
Single Event Viol. in Qtr: 0
Permit Sched Viol in Qtr: 0
Historic Noncompl. Cd: C
HLRNC Short Desc: COMPLIANT
HLRNC Long Desc: Not considered in RNC/SNC based on manual review of data by state or EPA region.

Year Quarter: 20182
E90 Violations in Qtr: 0
Compl. Sched Viol in Qt: 0
Single Event Viol. in Qtr: 0
Permit Sched Viol in Qtr: 0
Historic Noncompl. Cd: C
HLRNC Short Desc: COMPLIANT
HLRNC Long Desc: Not considered in RNC/SNC based on manual review of data by state or EPA region.

Year Quarter: 20184
E90 Violations in Qtr: 0
Compl. Sched Viol in Qt: 0
Single Event Viol. in Qtr: 0
Permit Sched Viol in Qtr: 0
Historic Noncompl. Cd: C
HLRNC Short Desc: COMPLIANT
HLRNC Long Desc: Not considered in RNC/SNC based on manual review of data by state or EPA region.

Year Quarter: 20191
E90 Violations in Qtr: 0
Compl. Sched Viol in Qt: 0
Single Event Viol. in Qtr: 0
Permit Sched Viol in Qtr: 0
Historic Noncompl. Cd: C
HLRNC Short Desc: COMPLIANT

HLRNC Long Desc:	Not considered in RNC/SNC based on manual review of data by state or EPA region.
Year Quarter:	20183
E90 Violations in Qtr:	0
Compl. Sched Viol in Qt:	0
Single Event Viol. in Qtr:	0
Permit Sched Viol in Qtr:	0
Historic Noncompl. Cd:	C
HLRNC Short Desc:	COMPLIANT
HLRNC Long Desc:	Not considered in RNC/SNC based on manual review of data by state or EPA region.
Year Quarter:	20181
E90 Violations in Qtr:	0
Compl. Sched Viol in Qt:	0
Single Event Viol. in Qtr:	0
Permit Sched Viol in Qtr:	0
Historic Noncompl. Cd:	C
HLRNC Short Desc:	COMPLIANT
HLRNC Long Desc:	Not considered in RNC/SNC based on manual review of data by state or EPA region.

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
6	5 of 7	ENE	0.22 / 1,150.03	261.09 / 2	BP'S LANE AVENUE AUTO PARTS, INC. 433 NORTH WALDRAN BLVD. MEMPHIS TN 38105	ECHO

FRS ID:	110059710638	**Facility Latitude:**	35.15147
Fac EPA Region:	04	**Facility Longitude:**	-90.02256
Facility County:	SHELBY		

Facility Details

Major Facility?:		**Air?:**	No
Active/Operating?:	Y	**NPDES?:**	Yes
Compliance Status:	No Violation Identified	**SDWIS?:**	No
Signif Non Compl?:	N	**RCRA?:**	No
Programs with SNC:	0	**TRI?:**	No
Qtrs with NC:	0	**GHG?:**	No
3Yr Compliance Hist:	_____	**SIC Codes:**	5015
Formal Action Count:	0	**NAICS Codes:**	
Last Formal Action:		**FIPS Code:**	47157
Last EPA Formal Act:		**Indian/Tribal?:**	No
Last State Formal Act:		**Federal ?:**	
Informal Count:	0	**Federal Agency:**	
Last Informal Action:	07/22/2014	**Chesapeake Bay?:**	
Last EPA Informal A:		**NAA?:**	No
Last State Informal A:	07/22/2014	**Coordinate Method:**	ADDRESS MATCHING-HOUSE NUMBER
Total Penalties:	0	**Reference Point:**	CENTER OF A FACILITY OR STATION
Penalty Count:		**Accuracy (Meters):**	30
Date of Last Penalty:		**Inspection Count:**	0
Last Penalty Amount:		**Last Inspection:**	03/01/2016
myRTK Universe:	NNN	**Last EPA Inspection:**	
Dschg Impair Water?:	Y	**Last State Inspection:**	03/01/2016
EJ Screen 80%:	Yes	**Days Last Inspection:**	2399
DFR URL:	http://echo.epa.gov/detailed-facility-report?fid=110059710638		

Clean Water Act (CWA)

NPDES ID(s):	TNR056533	**Penalties:**	
Permit Types:	Minor	**Last Penalty Date:**	
Compliance Trcking:	On	**Last Penalty Amt:**	
CWA NAICS:		**Qtrs With NC:**	0
CWA SICS:	5015	**Compliance Status:**	No Violation Identified
Inspection Count:		**SNC ?:**	No
Informal Count:		**3Yr QNCR Codes:**	
Formal Action Count:			
Days since Last Inspection:	2398		

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Date of Last Formal Action:
13Qtrs Compl History:
13Qtrs Effint Exceedances:

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6 | **6 of 7** | **ENE** | **0.22 / 1,150.03** | **261.09 / 2** | **McKenzie - Lane Auto Salvage**
433 North Waldran
Memphis TN

SWM COMPLAINT

Complaint ID: 46636
Facility ID: NRS790000198
Site ID: 7529
Permit No:
Investigated: FEB-27-2018
Status: NOV
Completed: MAR-20-2018
Received: FEB-02-2018
Site Owner: Donna Greer
Site Description: Auto Recycling

RCV Mon Year: FEB-2018
Calendar Days: 25
DIV: SWM
EFO: Memphis
County: Shelby
Other Counties:
Latitude:
Longitude:

Complaint

Complaint No: 46636
Assigned Date: FEB-23-2018
Date Received: FEB-02-2018
How Received: Phone
Concerning: Used Oil
Concering (Other):

Investigation

Status: NOV
Status Detail: Area where engines are pulled had some staining on the ground as well as a few puddles of antifreeze from incidental spillage. Once engines and transmissions are removed they are drained into an oil tank inside the building and used to power a used oil heater. Owner agreed to move the rack onto a concrete surface, remove the stained soil and institute procedures to minimize and contain spillage. An NOV will be sent.
NOV mailed 3/7/18
Responsible Party: Josh Smith-Lane Auto Parts
Resp Party Phone: 901-525-7278
Photos:
Date Investigated: FEB-27-2018
Date Completed: MAR-20-2018
Date Referred:
Referred to:
Last Updated: JUN-29-2018
Updated by: BG35162

Parent Site

Parent Site Name: McKenzie - Lane Auto Salvage
Site Location: 433 North Waldran
County: Shelby
EFO: Memphis
Latitude: 35.151498
Longitude: -90.022579

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6 | **7 of 7** | **ENE** | **0.22 / 1,150.03** | **261.09 / 2** | **BP'S LANE AVENUE AUTO PARTS, INC.**
433 NORTH WALDRAN BLVD.
MEMPHIS TN 38105

ECHO

FRS ID: 3400083528
Fac EPA Region: 04
Facility County:

Facility Latitude: 35.151095
Facility Longitude: -90.03412

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Facility Details - Data Download

Compliance Status:		***Federal?:***	
Active/Operating:		***Federal Agency Nam:***	
SNC?:	No	***SIC Codes:***	
Qtrs in NC?:		***NAICS Codes:***	
Formal Action Cnt:	0	***EJ Screen 80%:***	
Last Formal Action:		***Indian/Tribal?:***	N
Informal Count:	0	***Indian/Spatial?:***	No
Total Penalties:	0	***Tile Proxmty NPDES:***	
Penalty Count:		***Tile Proximity NPL:***	
Dt of Last Penalty:		***Tile Proximity RMP:***	
Last Penalty Amt:		***Tile Proximty TSDF:***	
Inspection Count:	0	***Tile O3:***	
Dt of Last Inspect:		***Tile PM:***	
RMP ID(s):		***Tile PCT Pre 1960:***	
EIS ID(s):		***Tile DPM:***	
SEMS IDs:		***Mapped:***	Yes
EPCRA Inspctns 5Yr:		***State County FIPS Cd:***	
FIFRA Inspctns 5Yr:		***County [FRS]:***	
NAA Stndr Classfd as Nonattn:			
NAA Stndr Classfd Maintennc:			
Nonattain Pollutants in NAAs:			
Maintenance Pollutants NAAs:			
Within a Nonattaining NAA:			
Within a Maintenance NAA:			
Date of Last Inspection (EPA):			
Dt Last Inspection(State/Local):			
Days since Last Inspection:			
DFR URL:	https://echo.epa.gov/detailed-facility-report?fid=3400083528		

7	*1 of 2*	*NE*	*0.23 / 1,189.74*	*259.31 / 0*	***Insulation And Refractories Services*** ***1041 Galloway Avenue*** ***Memphis TN 38105***	***UST***

Facility ID:	9790417	***Tank Count:***	2
Facility Status:	InActive	***Compart Cnt (Tdec):***	2
Facility County:		***Fac Status (Tdec):***	Inactive
Region:		***CIU (Tdec):***	0
Currently in Use:		***TOU (Tdec):***	0
Perm Out of Use:	2	***POU (Tdec):***	2
Temp Out of Servic:		***Region (Tdec):***	9
Reason Red Tagged:		***Latitude (Tdec):***	35.152756
Facilit Red Tagged:	No	***Longitude (Tdec):***	-90.02458899999999
Owner ID:	308246	***X:***	-90.02458899999993
Owner Type:	Private	***Y:***	35.15275600000007
Owner Name:	Insulation And Refractories Svc		
Facility Type:	Other or Unknown		
Facility Name:	Insulation And Refractories Services		
Facility Address1:	1041 Galloway Avenue		
Facility Address2:			
Facility City:	Memphis		
Facility Zip:	38105		
Fac Name (Comparments):	Insulation And Refractories Services		
Fac Address (Comparments):	1041 Galloway Avenue		
Fac Address2 (Comparments):			
Facility City (Comparments):	Memphis		
Facility Zip (Comparments):	38105		
Fac State (Comparments):	TN		

Tank Details

Tank ID:	45986	***Facility Count:***	2
Tank No:	2	***Owner Type:***	Private
Date Tank Installd:	1/1/1900	***Owner Status:***	InActive

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Emergency Gen:		***Owner CIU Count:***	
Tank Mode of Const:		***Owner POU Count:***	4
Date Tank Closed:		***Owner TOU Count:***	
How Tank Closed:	unknown	***Owner Tank Count:***	4
Tank Material:	Steel		
Owner Name:	Insulation And Refractories Svc		

Compartment Details

Compart ID:	46700	***Small Delivery:***	
Compart Letter:	A	***Piping Type:***	
Compt Capacity:	999999	***Flex Piping Type:***	
Compart Status:	Permanently Out of Use	***Overfill Type:***	
Compt Substance:	Not Listed	***Pipe Construction:***	
Date Last Used:	12/15/1987	***Pipe Install Dt:***	
Compart Regulated:		***Date Comprt Closed:***	
Overfill Device Installed:	Yes		
Spill Device Installed:	Yes		
Pipe Material:	Steel		
Catasatrophic L L Detec:	None		
Periodic Line Leak Detectn:	Pipe Leak Detection Not Listed		
Comprt Release Detectn:	Tank LD Not Listed		
Compart Overall Stat:	Inactive		
Owner Address1:	1041 Galloway		
Owner Address2:			
Owner City:	Memphis		
Owner State:	TN		
Owner Zip:	38105		

Tank Details

Tank ID:	45985	***Facility Count:***	2
Tank No:	1	***Owner Type:***	Private
Date Tank Installd:	1/1/1900	***Owner Status:***	InActive
Emergency Gen:		***Owner CIU Count:***	
Tank Mode of Const:		***Owner POU Count:***	4
Date Tank Closed:		***Owner TOU Count:***	
How Tank Closed:	unknown	***Owner Tank Count:***	4
Tank Material:	Steel		
Owner Name:	Insulation And Refractories Svc		

Compartment Details

Compart ID:	46699	***Small Delivery:***	
Compart Letter:	A	***Piping Type:***	
Compt Capacity:	999999	***Flex Piping Type:***	
Compart Status:	Permanently Out of Use	***Overfill Type:***	
Compt Substance:	Not Listed	***Pipe Construction:***	
Date Last Used:	12/15/1987	***Pipe Install Dt:***	
Compart Regulated:		***Date Comprt Closed:***	
Overfill Device Installed:	Yes		
Spill Device Installed:	Yes		
Pipe Material:	Steel		
Catasatrophic L L Detec:	None		
Periodic Line Leak Detectn:	Pipe Leak Detection Not Listed		
Comprt Release Detectn:	Tank LD Not Listed		
Compart Overall Stat:	Inactive		
Owner Address1:	1041 Galloway		
Owner Address2:			
Owner City:	Memphis		
Owner State:	TN		
Owner Zip:	38105		

7	***2 of 2***	***NE***	***0.23 /***	***259.31 /***	***Insulation And Refractories***	***UST***

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
			1,189.74	0	Service 1041 Galloway Memphis TN 38105	

Facility ID: 9790418
Facility Status: InActive
Facility County:
Region:
Currently in Use:
Perm Out of Use: 2
Temp Out of Servic:
Reason Red Tagged:
Facilit Red Tagged: No
Owner ID: 308246
Owner Type: Private
Owner Name: Insulation And Refractories Svc
Facility Type: Other or Unknown
Facility Name: Insulation And Refractories Service
Facility Address1: 1041 Galloway
Facility Address2:
Facility City: Memphis
Facility Zip: 38105
Fac Name (Comparments): Insulation And Refractories Service
Fac Address (Comparments): 1041 Galloway
Fac Address2 (Comparments):
Facility City (Comparments): Memphis
Facility Zip (Comparments): 38105
Fac State (Comparments): TN

Tank Count: 2
Compart Cnt (Tdec): 2
Fac Status (Tdec): Inactive
CIU (Tdec): 0
TOU (Tdec): 0
POU (Tdec): 2
Region (Tdec): 9
Latitude (Tdec): 35.152747999999995
Longitude (Tdec): -90.0246
X: -90.02459999999996
Y: 35.15274800000003

Tank Details

Tank ID: 45987
Tank No: 1
Date Tank Installd: 7/13/1982
Emergency Gen:
Tank Mode of Const:
Date Tank Closed: 3/26/1988
How Tank Closed:
Tank Material: Steel
Owner Name: Insulation And Refractories Svc

Facility Count: 2
Owner Type: Private
Owner Status: InActive
Owner CIU Count:
Owner POU Count: 4
Owner TOU Count:
Owner Tank Count: 4

Compartment Details

Compart ID: 46701
Compart Letter: A
Compt Capacity: 2000
Compart Status: Permanently Out of Use
Compt Substance: Not Listed
Date Last Used: 3/26/1988
Compart Regulated:
Overfill Device Installed: Yes
Spill Device Installed: Yes
Pipe Material: Steel
Catasatrophic L L Detec: None
Periodic Line Leak Detectn: Pipe Leak Detection Not Listed
Comprt Release Detectn: Tank LD Not Listed
Compart Overall Stat: Inactive
Owner Address1: 1041 Galloway
Owner Address2:
Owner City: Memphis
Owner State: TN
Owner Zip: 38105

Small Delivery:
Piping Type:
Flex Piping Type:
Overfill Type:
Pipe Construction:
Pipe Install Dt:
Date Comprt Closed:

Tank Details

Tank ID: 45988
Facility Count: 2

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Tank No:	2	**Owner Type:**	Private
Date Tank Installd:	7/13/1982	**Owner Status:**	InActive
Emergency Gen:		**Owner CIU Count:**	
Tank Mode of Const:		**Owner POU Count:**	4
Date Tank Closed:	3/26/1988	**Owner TOU Count:**	
How Tank Closed:		**Owner Tank Count:**	4
Tank Material:	Steel		
Owner Name:	Insulation And Refractories Svc		

Compartment Details

Compart ID:	46702	**Small Delivery:**	
Compart Letter:	A	**Piping Type:**	
Compt Capacity:	2000	**Flex Piping Type:**	
Compart Status:	Permanently Out of Use	**Overfill Type:**	
Compt Substance:	Not Listed	**Pipe Construction:**	
Date Last Used:	3/26/1988	**Pipe Install Dt:**	
Compart Regulated:		**Date Comprt Closed:**	
Overfill Device Installed:	Yes		
Spill Device Installed:	Yes		
Pipe Material:	Steel		
Catasatrophic L L Detec:	None		
Periodic Line Leak Detectn:	Pipe Leak Detection Not Listed		
Comprt Release Detectn:	Tank LD Not Listed		
Compart Overall Stat:	Inactive		
Owner Address1:	1041 Galloway		
Owner Address2:			
Owner City:	Memphis		
Owner State:	TN		
Owner Zip:	38105		

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
8	1 of 1	SSW	0.24 / 1,253.92	244.87 / -15	Hardy's Service Station 955 Poplar Memphis TN 38105	UST

Facility ID:	9790387	**Tank Count:**	4
Facility Status:	InActive	**Compart Cnt (Tdec):**	4
Facility County:		**Fac Status (Tdec):**	Inactive
Region:		**CIU (Tdec):**	0
Currently in Use:		**TOU (Tdec):**	0
Perm Out of Use:	4	**POU (Tdec):**	4
Temp Out of Servic:		**Region (Tdec):**	9
Reason Red Tagged:		**Latitude (Tdec):**	35.145086
Facilit Red Tagged:	No	**Longitude (Tdec):**	-90.028695
Owner ID:	308164	**X:**	-90.02869499999997
Owner Type:	Private	**Y:**	35.14508600000005
Owner Name:	Dr Justin H Adler		
Facility Type:	Gas Station or Truck Stop		
Facility Name:	Hardy's Service Station		
Facility Address1:	955 Poplar		
Facility Address2:			
Facility City:	Memphis		
Facility Zip:	38105		
Fac Name (Comparments):	Hardy's Service Station		
Fac Address (Comparments):	955 Poplar		
Fac Address2 (Comparments):			
Facility City (Comparments):	Memphis		
Facility Zip (Comparments):	38105		
Fac State (Comparments):	TN		

Tank Details

Tank ID:	45636	**Facility Count:**	1
Tank No:	1	**Owner Type:**	Private
Date Tank Installd:	5/7/1969	**Owner Status:**	InActive
Emergency Gen:		**Owner CIU Count:**	

Tank Mode of Const:		***Owner POU Count:***	4
Date Tank Closed:	7/1/1988	***Owner TOU Count:***	
How Tank Closed:	Removed from Ground	***Owner Tank Count:***	4
Tank Material:	Steel		
Owner Name:	Dr Justin H Adler		

Compartment Details

Compart ID:	46350	***Small Delivery:***	
Compart Letter:	A	***Piping Type:***	
Compt Capacity:	10000	***Flex Piping Type:***	
Compart Status:	Permanently Out of Use	***Overfill Type:***	
Compt Substance:	Gasoline	***Pipe Construction:***	
Date Last Used:	7/1/1988	***Pipe Install Dt:***	
Compart Regulated:		***Date Comprt Closed:***	
Overfill Device Installed:	Yes		
Spill Device Installed:	Yes		
Pipe Material:	Steel		
Catasatrophic L L Detec:	None		
Periodic Line Leak Detectn:	Pipe Leak Detection Not Listed		
Comprt Release Detectn:	Tank LD Not Listed		
Compart Overall Stat:	Inactive		
Owner Address1:	c/o 1203 Poplar		
Owner Address2:			
Owner City:	Memphis		
Owner State:	TN		
Owner Zip:	38103		

Tank Details

Tank ID:	45639	***Facility Count:***	1
Tank No:	4	***Owner Type:***	Private
Date Tank Installd:	5/7/1969	***Owner Status:***	InActive
Emergency Gen:		***Owner CIU Count:***	
Tank Mode of Const:		***Owner POU Count:***	4
Date Tank Closed:	7/1/1988	***Owner TOU Count:***	
How Tank Closed:	Removed from Ground	***Owner Tank Count:***	4
Tank Material:	Steel		
Owner Name:	Dr Justin H Adler		

Compartment Details

Compart ID:	46353	***Small Delivery:***	
Compart Letter:	A	***Piping Type:***	
Compt Capacity:	500	***Flex Piping Type:***	
Compart Status:	Permanently Out of Use	***Overfill Type:***	
Compt Substance:	Waste or Used Oil	***Pipe Construction:***	
Date Last Used:	7/1/1988	***Pipe Install Dt:***	
Compart Regulated:		***Date Comprt Closed:***	
Overfill Device Installed:	Yes		
Spill Device Installed:	Yes		
Pipe Material:	Steel		
Catasatrophic L L Detec:	None		
Periodic Line Leak Detectn:	Pipe Leak Detection Not Listed		
Comprt Release Detectn:	Tank LD Not Listed		
Compart Overall Stat:	Inactive		
Owner Address1:	c/o 1203 Poplar		
Owner Address2:			
Owner City:	Memphis		
Owner State:	TN		
Owner Zip:	38103		

Tank Details

Tank ID:	45637	**Facility Count:**	1
Tank No:	2	**Owner Type:**	Private
Date Tank Installd:	5/7/1969	**Owner Status:**	InActive
Emergency Gen:		**Owner CIU Count:**	
Tank Mode of Const:		**Owner POU Count:**	4
Date Tank Closed:	7/1/1988	**Owner TOU Count:**	
How Tank Closed:	Removed from Ground	**Owner Tank Count:**	4
Tank Material:	Steel		
Owner Name:	Dr Justin H Adler		

Compartment Details

Compart ID:	46351	**Small Delivery:**	
Compart Letter:	A	**Piping Type:**	
Compt Capacity:	10000	**Flex Piping Type:**	
Compart Status:	Permanently Out of Use	**Overfill Type:**	
Compt Substance:	Gasoline	**Pipe Construction:**	
Date Last Used:	7/1/1988	**Pipe Install Dt:**	
Compart Regulated:		**Date Comprt Closed:**	
Overfill Device Installed:	Yes		
Spill Device Installed:	Yes		
Pipe Material:	Steel		
Catasatrophic L L Detec:	None		
Periodic Line Leak Detectn:	Pipe Leak Detection Not Listed		
Comprt Release Detectn:	Tank LD Not Listed		
Compart Overall Stat:	Inactive		
Owner Address1:	c/o 1203 Poplar		
Owner Address2:			
Owner City:	Memphis		
Owner State:	TN		
Owner Zip:	38103		

Tank Details

Tank ID:	45638	**Facility Count:**	1
Tank No:	3	**Owner Type:**	Private
Date Tank Installd:	5/7/1969	**Owner Status:**	InActive
Emergency Gen:		**Owner CIU Count:**	
Tank Mode of Const:		**Owner POU Count:**	4
Date Tank Closed:	7/1/1988	**Owner TOU Count:**	
How Tank Closed:	Removed from Ground	**Owner Tank Count:**	4
Tank Material:	Steel		
Owner Name:	Dr Justin H Adler		

Compartment Details

Compart ID:	46352	**Small Delivery:**	
Compart Letter:	A	**Piping Type:**	
Compt Capacity:	6000	**Flex Piping Type:**	
Compart Status:	Permanently Out of Use	**Overfill Type:**	
Compt Substance:	Gasoline	**Pipe Construction:**	
Date Last Used:	7/1/1988	**Pipe Install Dt:**	
Compart Regulated:		**Date Comprt Closed:**	
Overfill Device Installed:	Yes		
Spill Device Installed:	Yes		
Pipe Material:	Steel		
Catasatrophic L L Detec:	None		
Periodic Line Leak Detectn:	Pipe Leak Detection Not Listed		
Comprt Release Detectn:	Tank LD Not Listed		
Compart Overall Stat:	Inactive		
Owner Address1:	c/o 1203 Poplar		
Owner Address2:			
Owner City:	Memphis		
Owner State:	TN		
Owner Zip:	38103		

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
9	1 of 4	WNW	0.24 / 1,261.08	247.70 / -12	Exxon/Mobile Bulk Terminal 432 North Dunlap Memphis TN	LUST

Facility ID:	9799001	**Discovery Date:**	NOV-06-1990
Site No:	1	**How Discovered:**	8 Other
County:	Shelby	**Contact Title:**	
Case Manager:	JJB	**CAC contact:**	
Section:	FO	**Owner Contact:**	
Cause:	7 Unknown		
Current Status:	8 Case Closed		
Product Released:			
CAC Company:			
Owner Name:	ExxonMobil Refining and Supply Co.		
Case Description:			

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
9	2 of 4	WNW	0.24 / 1,261.08	247.70 / -12	Memphis Bulk Plant 432 North Dunlap St. Memphis TN 38105	UST

Facility ID:	9790984	**Tank Count:**	4
Facility Status:	InActive	**Compart Cnt (Tdec):**	4
Facility County:		**Fac Status (Tdec):**	Inactive
Region:		**CIU (Tdec):**	0
Currently in Use:		**TOU (Tdec):**	0
Perm Out of Use:	4	**POU (Tdec):**	4
Temp Out of Servic:		**Region (Tdec):**	9
Reason Red Tagged:		**Latitude (Tdec):**	35.152263
Facilit Red Tagged:	No	**Longitude (Tdec):**	-90.031342
Owner ID:	308813	**X:**	-90.03134199999994
Owner Type:	Private	**Y:**	35.15226300000006
Owner Name:	Mobil Oil Corporation		
Facility Type:	Industrial		
Facility Name:	Memphis Bulk Plant		
Facility Address1:	432 North Dunlap St.		
Facility Address2:			
Facility City:	Memphis		
Facility Zip:	38105		
Fac Name (Comparments):	Memphis Bulk Plant		
Fac Address (Comparments):	432 North Dunlap St.		
Fac Address2 (Comparments):			
Facility City (Comparments):	Memphis		
Facility Zip (Comparments):	38105		
Fac State (Comparments):	TN		

Tank Details

Tank ID:	48800	**Facility Count:**	1
Tank No:	2	**Owner Type:**	Private
Date Tank Installd:	5/1/1961	**Owner Status:**	InActive
Emergency Gen:		**Owner CIU Count:**	
Tank Mode of Const:		**Owner POU Count:**	4
Date Tank Closed:	7/1/1988	**Owner TOU Count:**	
How Tank Closed:	Removed from Ground	**Owner Tank Count:**	4
Tank Material:	Steel		
Owner Name:	Mobil Oil Corporation		

Compartment Details

Compart ID:	49534	**Small Delivery:**	
Compart Letter:	A	**Piping Type:**	
Compt Capacity:	7500	**Flex Piping Type:**	
Compart Status:	Permanently Out of Use	**Overfill Type:**	

Compt Substance:	Gasoline	***Pipe Construction:***	
Date Last Used:	7/1/1988	***Pipe Install Dt:***	
Compart Regulated:		***Date Comprt Closed:***	
Overfill Device Installed:	Yes		
Spill Device Installed:	Yes		
Pipe Material:	Hazardous Substance		
Catasatrophic L L Detec:	None		
Periodic Line Leak Detectn:	Pipe Leak Detection Not Listed		
Comprt Release Detectn:	Tank LD Not Listed		
Compart Overall Stat:	Inactive		
Owner Address1:	3225 Gallows Road		
Owner Address2:			
Owner City:	Fairfax		
Owner State:	VA		
Owner Zip:	22037		

Tank Details

Tank ID:	48799	***Facility Count:***	1
Tank No:	1	***Owner Type:***	Private
Date Tank Installd:	5/1/1961	***Owner Status:***	InActive
Emergency Gen:		***Owner CIU Count:***	
Tank Mode of Const:		***Owner POU Count:***	4
Date Tank Closed:	7/1/1988	***Owner TOU Count:***	
How Tank Closed:	Removed from Ground	***Owner Tank Count:***	4
Tank Material:	Steel		
Owner Name:	Mobil Oil Corporation		

Compartment Details

Compart ID:	49533	***Small Delivery:***	
Compart Letter:	A	***Piping Type:***	
Compt Capacity:	7500	***Flex Piping Type:***	
Compart Status:	Permanently Out of Use	***Overfill Type:***	
Compt Substance:	ULS Diesel	***Pipe Construction:***	
Date Last Used:	7/1/1988	***Pipe Install Dt:***	
Compart Regulated:		***Date Comprt Closed:***	
Overfill Device Installed:	Yes		
Spill Device Installed:	Yes		
Pipe Material:	Hazardous Substance		
Catasatrophic L L Detec:	None		
Periodic Line Leak Detectn:	Pipe Leak Detection Not Listed		
Comprt Release Detectn:	Tank LD Not Listed		
Compart Overall Stat:	Inactive		
Owner Address1:	3225 Gallows Road		
Owner Address2:			
Owner City:	Fairfax		
Owner State:	VA		
Owner Zip:	22037		

Tank Details

Tank ID:	48801	***Facility Count:***	1
Tank No:	3	***Owner Type:***	Private
Date Tank Installd:	5/1/1961	***Owner Status:***	InActive
Emergency Gen:		***Owner CIU Count:***	
Tank Mode of Const:		***Owner POU Count:***	4
Date Tank Closed:	5/1/1975	***Owner TOU Count:***	
How Tank Closed:	Removed from Ground	***Owner Tank Count:***	4
Tank Material:	Steel		
Owner Name:	Mobil Oil Corporation		

Compartment Details

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Compart ID: 49535
Compart Letter: A
Compt Capacity: 10000
Compart Status: Permanently Out of Use
Compt Substance: Not Listed
Date Last Used: 5/1/1975
Compart Regulated:
Overfill Device Installed: Yes
Spill Device Installed: Yes
Pipe Material: Hazardous Substance
Catasatrophic L L Detec: None
Periodic Line Leak Detectn: Pipe Leak Detection Not Listed
Comprt Release Detectn: Tank LD Not Listed
Compart Overall Stat: Inactive
Owner Address1: 3225 Gallows Road
Owner Address2:
Owner City: Fairfax
Owner State: VA
Owner Zip: 22037

Small Delivery:
Piping Type:
Flex Piping Type:
Overfill Type:
Pipe Construction:
Pipe Install Dt:
Date Comprt Closed:

Tank Details

Tank ID: 48802
Tank No: 4
Date Tank Installd: 5/1/1961
Emergency Gen:
Tank Mode of Const:
Date Tank Closed: 5/1/1975
How Tank Closed: Removed from Ground
Tank Material: Steel
Owner Name: Mobil Oil Corporation

Facility Count: 1
Owner Type: Private
Owner Status: InActive
Owner CIU Count:
Owner POU Count: 4
Owner TOU Count:
Owner Tank Count: 4

Compartment Details

Compart ID: 49536
Compart Letter: A
Compt Capacity: 10000
Compart Status: Permanently Out of Use
Compt Substance: Not Listed
Date Last Used: 5/1/1975
Compart Regulated:
Overfill Device Installed: Yes
Spill Device Installed: Yes
Pipe Material: Hazardous Substance
Catasatrophic L L Detec: None
Periodic Line Leak Detectn: Pipe Leak Detection Not Listed
Comprt Release Detectn: Tank LD Not Listed
Compart Overall Stat: Inactive
Owner Address1: 3225 Gallows Road
Owner Address2:
Owner City: Fairfax
Owner State: VA
Owner Zip: 22037

Small Delivery:
Piping Type:
Flex Piping Type:
Overfill Type:
Pipe Construction:
Pipe Install Dt:
Date Comprt Closed:

9	3 of 4	WNW	0.24 / 1,261.08	247.70 / -12	MEMPHIS BULK PLANT 432 NORTH DUNLAP ST. MEMPHIS TN	SRP

DOR Site ID: SRS790769
Status: CLOSED
EPA Facility ID:
EPA Registry ID:
Delisted:
Promulgated Date:

DOR EFO: MEMPHIS
Program: VOLUNTARY
County: SHELBY
Latitude: 35.152193
Longitude: -90.0314
Acres:

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
9	4 of 4	WNW	0.24 / 1,261.08	247.70 / -12	MEMPHIS BULK PLANT 432 NORTH DUNLAP ST. MEMPHIS TN	VCP

Site ID:	SRS790769	**Program:**	VOLUNTARY
EPA Facility ID:		**EFO:**	MEMPHIS
EPA Registry ID:		**County:**	SHELBY
Status:	CLOSED	**Latitude:**	35.152193
Acres:		**Longitude:**	-90.0314

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
10	1 of 2	WSW	0.24 / 1,284.31	258.81 / -1	REGAL OLDSMOBILE 850 POPLAR AVE MEMPHIS TN 38104	RCRA NON GEN

EPA Handler ID:	TND034748475
Gen Status Universe:	No Report
Contact Name:	BILL PEARSON
Contact Address:	850 POPLAR AVE , , MEMPHIS , TN, 38104 , US
Contact Phone No and Ext:	901-527-5531
Contact Email:	
Contact Country:	US
County Name:	SHELBY
EPA Region:	04
Land Type:	Other
Receive Date:	20040714
Location Latitude:	
Location Longitude:	

Violation/Evaluation Summary

Note:	NO VIOLATIONS: All of the compliance records associated with this facility (EPA ID) indicate NO VIOLATIONS; Compliance Monitoring and Enforcement table dated Sep, 2022.

Evaluation Details

Evaluation Start Date:	19870313
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Violation Short Description:	
Return to Compliance Date:	
Evaluation Agency:	State

Handler Summary

Importer Activity:	No
Mixed Waste Generator:	No
Transporter Activity:	No
Transfer Facility:	No
Onsite Burner Exemption:	No
Furnace Exemption:	No
Underground Injection Activity:	No
Commercial TSD:	No
Used Oil Transporter:	No
Used Oil Transfer Facility:	No
Used Oil Processor:	No
Used Oil Refiner:	No
Used Oil Burner:	No
Used Oil Market Burner:	No
Used Oil Spec Marketer:	No

Hazardous Waste Handler Details

Sequence No:	1

Receive Date:	19870624
Handler Name:	REGAL OLDSMOBILE
Source Type:	Notification
Federal Waste Generator Code:	N
Generator Code Description:	Not a Generator, Verified

Hazardous Waste Handler Details

Sequence No:	2
Receive Date:	20040714
Handler Name:	REGAL OLDSMOBILE
Source Type:	Notification
Federal Waste Generator Code:	N
Generator Code Description:	Not a Generator, Verified

Historical Handler Details

Receive Dt:	19870624
Generator Code Description:	Not a Generator, Verified
Handler Name:	REGAL OLDSMOBILE

10 **2 of 2** **WSW** **0.24 / 1,284.31** **258.81 / -1** **REGAL OLDSMOBILE**
850 POPLAR AVE
MEMPHIS TN 38104 **ECHO**

FRS ID:	110004964487	**Facility Latitude:**	35.14546
Fac EPA Region:	04	**Facility Longitude:**	-90.03188
Facility County:	SHELBY		

Facility Details

Major Facility?:		**Air?:**	No
Active/Operating?:		**NPDES?:**	No
Compliance Status:	No Violation Identified	**SDWIS?:**	No
Signif Non Compl?:	N	**RCRA?:**	Yes
Programs with SNC:	0	**TRI?:**	No
Qtrs with NC:	0	**GHG?:**	No
3Yr Compliance Hist:	_____	**SIC Codes:**	
Formal Action Count:	0	**NAICS Codes:**	32551
Last Formal Action:		**FIPS Code:**	47157
Last EPA Formal Act:		**Indian/Tribal?:**	No
Last State Formal Act:		**Federal ?:**	
Informal Count:	0	**Federal Agency:**	
Last Informal Action:		**Chesapeake Bay?:**	
Last EPA Informal A:		**NAA?:**	No
Last State Informal A:		**Coordinate Method:**	ADDRESS MATCHING-HOUSE NUMBER
Total Penalties:	0	**Reference Point:**	CENTER OF A FACILITY OR STATION
Penalty Count:		**Accuracy (Meters):**	30
Date of Last Penalty:		**Inspection Count:**	0
Last Penalty Amount:		**Last Inspection:**	03/13/1987
myRTK Universe:	NNN	**Last EPA Inspection:**	
Dschg Impair Water?:		**Last State Inspection:**	03/13/1987
EJ Screen 80%:	Yes	**Days Last Inspection:**	12980
DFR URL:	http://echo.epa.gov/detailed-facility-report?fid=110004964487		

Resource Conservation and Recovery Act (RCRA)

RCRA ID(s):	TND034748475	**Penalties:**	
Permit Types:	Other	**Last Penalty Date:**	
RCRA NAICS:	32551	**Last Penalty Amt:**	
Inspection Count:		**Qtrs with NC:**	0
Informal Count:		**Compliance Status:**	No Violation Identified
Formal Action Cnt:		**SNC ?:**	No

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Days since Last Evaluation: 12979
Date of Last Formal Action:
3Yr Compl Qtrs History: _____

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
11	1 of 3	NE	0.24 / 1,290.94	256.31 / -3	MITCHELL & SON INC 451 N WALDRAN MEMPHIS TN 38105	RCRA NON GEN

EPA Handler ID: TND000005884
Gen Status Universe: No Report
Contact Name: MITCHELL & SON
Contact Address: 451 N WALDRAN , , MEMPHIS , TN, 38105 , US
Contact Phone No and Ext: 615-555-1212
Contact Email:
Contact Country: US
County Name: SHELBY
EPA Region: 04
Land Type:
Receive Date: 19801119
Location Latitude:
Location Longitude:

Violation/Evaluation Summary

Note: NO RECORDS: As of Sep 2022, there are no Compliance Monitoring and Enforcement (violation) records associated with this facility (EPA ID).

Handler Summary

Importer Activity: No
Mixed Waste Generator: No
Transporter Activity: No
Transfer Facility: No
Onsite Burner Exemption: No
Furnace Exemption: No
Underground Injection Activity: No
Commercial TSD: No
Used Oil Transporter: No
Used Oil Transfer Facility: No
Used Oil Processor: No
Used Oil Refiner: No
Used Oil Burner: No
Used Oil Market Burner: No
Used Oil Spec Marketer: No

Hazardous Waste Handler Details

Sequence No: 1
Receive Date: 19801119
Handler Name: MITCHELL & SON INC
Source Type: Notification
Federal Waste Generator Code: N
Generator Code Description: Not a Generator, Verified

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
11	2 of 3	NE	0.24 / 1,290.94	256.31 / -3	Allmatic Inc 451 N Waldran Blvd Memphis TN	NPDES

Permit No: TEMP4906
Site ID: 3783
TDOT Pin:
TDOT Project No:
MS4: TNS068276
Std Indust Class: 3545
Expiration:
Effective:
Issuance:
App to NonComm Off: 16-FEB-2001
Discharge Code:
Discharge Cd Desc:

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Hydro Code:	08010210	**Watershed Name:**	Wolf
Status:	No Exposure	**Env Fld Office Nm:**	Memphis
Type:	TMSP	**County:**	Shelby
Rating:	N/A		
Site Name:	Allmatic Inc		
Permittee Name:	Allmatic Inc		
Project Name:			
ARAP Type:			
Activity Desc:			
Effluent Desc:			
Receiving Stream:			
Location:	451 N Waldran Blvd		
Permit Type Desc:	Tennessee Storm Water Multi-Sector General NPDES Permit for Industrial Activities		
Status Desc:	No Exposure Certification Accepted		

11	3 of 3	NE	0.24 / 1,290.94	256.31 / -3	MITCHELL & SON INC 451 N WALDRAN MEMPHIS TN 38105	ECHO

FRS ID:	110004954568	**Facility Latitude:**	35.15201
Fac EPA Region:	04	**Facility Longitude:**	-90.02249
Facility County:	SHELBY		

Facility Details

Major Facility?:		**Air?:**	No
Active/Operating?:		**NPDES?:**	No
Compliance Status:	No Violation Identified	**SDWIS?:**	No
Signif Non Compl?:	N	**RCRA?:**	Yes
Programs with SNC:	0	**TRI?:**	No
Qtrs with NC:	0	**GHG?:**	No
3Yr Compliance Hist:	_____	**SIC Codes:**	
Formal Action Count:	0	**NAICS Codes:**	333319 81131
Last Formal Action:		**FIPS Code:**	47157
Last EPA Formal Act:		**Indian/Tribal?:**	No
Last State Formal Act:		**Federal ?:**	
Informal Count:	0	**Federal Agency:**	
Last Informal Action:		**Chesapeake Bay?:**	
Last EPA Informal A:		**NAA?:**	No
Last State Informal A:		**Coordinate Method:**	ADDRESS MATCHING-HOUSE NUMBER
Total Penalties:	0	**Reference Point:**	CENTER OF A FACILITY OR STATION
Penalty Count:		**Accuracy (Meters):**	30
Date of Last Penalty:		**Inspection Count:**	0
Last Penalty Amount:		**Last Inspection:**	
myRTK Universe:	NNN	**Last EPA Inspection:**	
Dschg Impair Water?:		**Last State Inspection:**	
EJ Screen 80%:	Yes	**Days Last Inspection:**	
DFR URL:	http://echo.epa.gov/detailed-facility-report?fid=110004954568		

Resource Conservation and Recovery Act (RCRA)

RCRA ID(s):	TND000005884	**Penalties:**	
Permit Types:	Other	**Last Penalty Date:**	
RCRA NAICS:	81131 333319	**Last Penalty Amt:**	
Inspection Count:		**Qtrs with NC:**	0
Informal Count:		**Compliance Status:**	No Violation Identified
Formal Action Cnt:		**SNC ?:**	No
Days since Last Evaluation:			
Date of Last Formal Action:			
3Yr Compl Qtrs History:	_____		

12	1 of 10	SSW	0.25 / 1,296.03	246.70 / -13	MEMPHIS HOUSING AUTHORITY- DIXIE HOME DEV 916 POPLAR AVE	RCRA NON GEN

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
					MEMPHIS TN 38105	

EPA Handler ID: TN0000033639
Gen Status Universe: No Report
Contact Name: PATRICK HORTON
Contact Address: 916 POPLAR AVE , , MEMPHIS , TN, 38105 , US
Contact Phone No and Ext: 901-544-1148
Contact Email:
Contact Country: US
County Name: SHELBY
EPA Region: 04
Land Type:
Receive Date: 19990226
Location Latitude:
Location Longitude:

Violation/Evaluation Summary

Note: NO VIOLATIONS: All of the compliance records associated with this facility (EPA ID) indicate NO VIOLATIONS; Compliance Monitoring and Enforcement table dated Sep, 2022.

Evaluation Details

Evaluation Start Date: 19941214
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION ON-SITE
Violation Short Description:
Return to Compliance Date:
Evaluation Agency: State

Handler Summary

Importer Activity: No
Mixed Waste Generator: No
Transporter Activity: No
Transfer Facility: No
Onsite Burner Exemption: No
Furnace Exemption: No
Underground Injection Activity: No
Commercial TSD: No
Used Oil Transporter: No
Used Oil Transfer Facility: No
Used Oil Processor: No
Used Oil Refiner: No
Used Oil Burner: No
Used Oil Market Burner: No
Used Oil Spec Marketer: No

Hazardous Waste Handler Details

Sequence No: 1
Receive Date: 19990226
Handler Name: MEMPHIS HOUSING AUTHORITY-DIXIE HOME DEV
Source Type: Notification
Federal Waste Generator Code: N
Generator Code Description: Not a Generator, Verified

12	***2 of 10***	***SSW***	***0.25 / 1,296.03***	***246.70 / -13***	***DIXIE HOMES 916 POPLAR AVENUE MEMPHIS TN***	***VCP***

Site ID: 79846
EPA Facility ID:
EPA Registry ID:
Program: VOLUNTARY
EFO: MEMPHIS
County: SHELBY

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Status: OPEN
Acres: 8.45
Latitude: 35.147476
Longitude: -90.028673

---

12 | **3 of 10** | **SSW** | **0.25 / 1,296.03** | **246.70 / -13** | **DIXIE HOMES 916 POPLAR AVENUE MEMPHIS TN** | **INST**

DOR Site ID: 79846
Site Status: OPEN
Total Site Acreage: 8.45
Tdec Field Office: MEMPHIS
County: SHELBY
Site Latitude: 35.147476
Site Longitude: -90.028673

Detail(s)

Date Control Recorded: NOV-03-2009
Date Control Removed:
Control Type: INSTITUTIONAL
Control Description: LAND USE RESTRICTION
Control Latitude: 35.147
Control Longitude: -90.028
Control Acreage: 2.11
Deed Book: 08115216
Map: 051017
Page No:
Parcel: 2-7, 12

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12 | **4 of 10** | **SSW** | **0.25 / 1,296.03** | **246.70 / -13** | **Legends Park - Hope VI Redevelopment (formerly Site Improvements for Dixie Homes) 916 Poplar Avenue - North of Poplar Ave., east of Ayers St., west of Decatur St. and south of I-40 Memphis TN** | **NPDES**

Permit No: TNR153264
Site ID: 16193
TDOT Pin:
TDOT Project No:
MS4: TNS068276
Std Indust Class:
Hydro Code: 08010100
Status: Inactive
Type: CGP
Rating: N/A
Expiration:
Effective: 22-FEB-2010
Issuance:
App to NonComm Off: 26-JAN-2010
Discharge Code:
Discharge Cd Desc:
Watershed Name: Mississippi
Env Fld Office Nm: Memphis
County: Shelby
Site Name: Legends Park - Hope VI Redevelopment (formerly Site Improvements for Dixie Homes)
Permittee Name: MBA Development Corporation
Project Name:
ARAP Type:
Activity Desc: Development of land into multi-family housing units
Effluent Desc:
Receiving Stream: Wolf River Lagoon
Location: 916 Poplar Avenue - North of Poplar Ave., east of Ayers St., west of Decatur St. and south of I-40
Permit Type Desc: General NPDES Permit for Storm Water Discharges Associated with Construction Activity
Status Desc: Inactivated

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12 | **5 of 10** | **SSW** | **0.25 / 1,296.03** | **246.70 / -13** | **Legends Park - Hope VI Redevelopment (formerly Site Improvements for Dixie Homes) 916 Poplar Avenue - North of Poplar Ave., east of Ayers St., west of Decatur St. and south of I-40 Memphis TN** | **NPDES**

Permit No: TNR153155
Expiration:

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Site ID:	16193	**Effective:**	22-JUL-2009
TDOT Pin:		**Issuance:**	
TDOT Project No:		**App to NonComm Off:**	16-JUL-2009
MS4:	TNS068276	**Discharge Code:**	
Std Indust Class:		**Discharge Cd Desc:**	
Hydro Code:	08010100	**Watershed Name:**	Mississippi
Status:	Inactive	**Env Fld Office Nm:**	Memphis
Type:	CGP	**County:**	Shelby
Rating:	N/A		

Site Name: Legends Park - Hope VI Redevelopment (formerly Site Improvements for Dixie Homes)
Permittee Name: Methodist Healthcare - Memphis Hospitals
Project Name: FedEx Family House
ARAP Type:
Activity Desc: Project develops vacant land into a temporary living facility for families with patients under care at Le Bonheur Children's Hospital.
Effluent Desc:
Receiving Stream: Wolf River Lagoon
Location: 916 Poplar Avenue - North of Poplar Ave., east of Ayers St., west of Decatur St. and south of I-40
Permit Type Desc: General NPDES Permit for Storm Water Discharges Associated with Construction Activity
Status Desc: Inactivated

12	6 of 10	SSW	0.25 / 1,296.03	246.70 / -13	**Legends Park - Hope VI Redevelopment (formerly Site Improvements for Dixie Homes) 916 Poplar Avenue - North of Poplar Ave., east of Ayers St., west of Decatur St. and south of I-40** **Memphis TN**	NPDES

Permit No:	TNR152947	**Expiration:**	
Site ID:	16193	**Effective:**	16-JUL-2008
TDOT Pin:		**Issuance:**	
TDOT Project No:		**App to NonComm Off:**	08-JUL-2008
MS4:	TNS068276	**Discharge Code:**	
Std Indust Class:		**Discharge Cd Desc:**	
Hydro Code:	08010100	**Watershed Name:**	Mississippi
Status:	Inactive	**Env Fld Office Nm:**	Memphis
Type:	CGP	**County:**	Shelby
Rating:	N/A		

Site Name: Legends Park - Hope VI Redevelopment (formerly Site Improvements for Dixie Homes)
Permittee Name: MBA Development Corporation
Project Name:
ARAP Type:
Activity Desc: Development of vacant land, which was the previous location of Dixie Homes, into multi-family housing units.
Effluent Desc:
Receiving Stream: Wolf River Lagoon
Location: 916 Poplar Avenue - North of Poplar Ave., east of Ayers St., west of Decatur St. and south of I-40
Permit Type Desc: General NPDES Permit for Storm Water Discharges Associated with Construction Activity
Status Desc: Inactivated

12	7 of 10	SSW	0.25 / 1,296.03	246.70 / -13	**Legends Park - Hope VI Redevelopment (formerly Site Improvements for Dixie Homes) 916 Poplar Avenue - North of Poplar Ave., east of Ayers St., west of Decatur St. and south of I-40** **Memphis TN**	NPDES

Permit No:	TNR151400	**Expiration:**	
Site ID:	16193	**Effective:**	06-DEC-2004
TDOT Pin:		**Issuance:**	
TDOT Project No:		**App to NonComm Off:**	26-OCT-2004
MS4:	TNS068276	**Discharge Code:**	

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Std Indust Class:		**Discharge Cd Desc:**	
Hydro Code:	08010100	**Watershed Name:**	Mississippi
Status:	Inactive	**Env Fld Office Nm:**	Memphis
Type:	CGP	**County:**	Shelby
Rating:	N/A		

Site Name: Legends Park - Hope VI Redevelopment (formerly Site Improvements for Dixie Homes)
Permittee Name: Memphis Housing Authority
Project Name:
ARAP Type:
Activity Desc: Site Improvements
Effluent Desc:
Receiving Stream: Wolf River Lagoon
Location: 916 Poplar Avenue - North of Poplar Ave., east of Ayers St., west of Decatur St. and south of I-40
Permit Type Desc: General NPDES Permit for Storm Water Discharges Associated with Construction Activity
Status Desc: Inactivated

12	8 of 10	SSW	0.25 / 1,296.03	246.70 / -13	**Legends Park - Hope VI Redevelopment (formerly Site Improvements for Dixie Homes) 916 Poplar Avenue - North of Poplar Ave., east of Ayers St., west of Decatur St. and south of I-40 Memphis TN**	NPDES

Permit No:	TNR152223	**Expiration:**	
Site ID:	16193	**Effective:**	17-OCT-2006
TDOT Pin:		**Issuance:**	
TDOT Project No:		**App to NonComm Off:**	03-OCT-2006
MS4:	TNS068276	**Discharge Code:**	
Std Indust Class:		**Discharge Cd Desc:**	
Hydro Code:	08010100	**Watershed Name:**	Mississippi
Status:	Inactive	**Env Fld Office Nm:**	Memphis
Type:	CGP	**County:**	Shelby
Rating:	N/A		

Site Name: Legends Park - Hope VI Redevelopment (formerly Site Improvements for Dixie Homes)
Permittee Name: Memphis Housing Authority
Project Name:
ARAP Type:
Activity Desc: Demolition of 79 residential buildings and 3 non-dwelling units
Effluent Desc:
Receiving Stream: Wolf River Lagoon
Location: 916 Poplar Avenue - North of Poplar Ave., east of Ayers St., west of Decatur St. and south of I-40
Permit Type Desc: General NPDES Permit for Storm Water Discharges Associated with Construction Activity
Status Desc: Inactivated

12	9 of 10	SSW	0.25 / 1,296.03	246.70 / -13	**MEMPHIS HOUSING AUTHORITY-DIXIE HOME DEV 916 POPLAR AVE MEMPHIS TN 38105**	ECHO

FRS ID:	110004951589	**Facility Latitude:**	35.14527
Fac EPA Region:	04	**Facility Longitude:**	-90.029807
Facility County:	SHELBY		

Facility Details

Major Facility?:		**Air?:**	No
Active/Operating?:		**NPDES?:**	No
Compliance Status:	No Violation Identified	**SDWIS?:**	No
Signif Non Compl?:	N	**RCRA?:**	Yes
Programs with SNC:	0	**TRI?:**	No
Qtrs with NC:	0	**GHG?:**	No
3Yr Compliance Hist:	_____	**SIC Codes:**	

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Formal Action Count:	0	**NAICS Codes:**	23521
Last Formal Action:		**FIPS Code:**	47157
Last EPA Formal Act:		**Indian/Tribal?:**	No
Last State Formal Act:		**Federal ?:**	
Informal Count:	0	**Federal Agency:**	
Last Informal Action:		**Chesapeake Bay?:**	
Last EPA Informal A:		**NAA?:**	No
Last State Informal A:		**Coordinate Method:**	ADDRESS MATCHING-HOUSE NUMBER
Total Penalties:	0	**Reference Point:**	ENTRANCE POINT OF A FACILITY OR STATION
Penalty Count:		**Accuracy (Meters):**	50
Date of Last Penalty:		**Inspection Count:**	0
Last Penalty Amount:		**Last Inspection:**	12/14/1994
myRTK Universe:	NNN	**Last EPA Inspection:**	
Dschg Impair Water?:		**Last State Inspection:**	12/14/1994
EJ Screen 80%:	Yes	**Days Last Inspection:**	10147
DFR URL:	http://echo.epa.gov/detailed-facility-report?fid=110004951589		

Resource Conservation and Recovery Act (RCRA)

RCRA ID(s):	TN0000033639	**Penalties:**	
Permit Types:	Other	**Last Penalty Date:**	
RCRA NAICS:	23521	**Last Penalty Amt:**	
Inspection Count:		**Qtrs with NC:**	0
Informal Count:		**Compliance Status:**	No Violation Identified
Formal Action Cnt:		**SNC ?:**	No
Days since Last Evaluation:	10146		
Date of Last Formal Action:			
3Yr Compl Qtrs History:	_____		

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
12	10 of 10	SSW	0.25 / 1,296.03	246.70 / -13	DIXIE HOMES 916 POPLAR AVENUE MEMPHIS TN	REMEDIATION

DOR Site ID:	79846	**DOR EFO:**	MEMPHIS
Status:	OPEN	**Program:**	VOLUNTARY
EPA Facility ID:		**County:**	SHELBY
EPA Registry ID:		**Latitude:**	35.147476
Delisted:		**Longitude:**	-90.028673
Promulgated Date:		**Acres:**	8.45

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
13	1 of 1	S	0.25 / 1,304.29	248.94 / -10	Medical Center Streetscape Dunlap Street: Jefferson to Poplar; Poplar Ave: Dunlap to Decatur Memphis TN	NPDES

Permit No:	TNR154477	**Expiration:**	30-SEP-2026
Site ID:	116464	**Effective:**	15-NOV-2017
TDOT Pin:		**Issuance:**	
TDOT Project No:		**App to NonComm Off:**	15-NOV-2017
MS4:	TNS068276	**Discharge Code:**	
Std Indust Class:		**Discharge Cd Desc:**	
Hydro Code:	08010100	**Watershed Name:**	Mississippi
Status:	Active	**Env Fld Office Nm:**	Memphis
Type:	CGP	**County:**	Shelby
Rating:	N/A		
Site Name:	Medical Center Streetscape		
Permittee Name:	City of Memphis		
Project Name:			
ARAP Type:			
Activity Desc:	Existing public streets, Dunlap Street and Poplar Ave		
Effluent Desc:			
Receiving Stream:	Mississippi River		
Location:	Dunlap Street: Jefferson to Poplar; Poplar Ave: Dunlap to Decatur		
Permit Type Desc:	General NPDES Permit for Storm Water Discharges Associated with Construction Activity		

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Status Desc: Active Pemit

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14 | **1 of 1** | **NE** | **0.25 / 1,333.42** | **253.52 / -6** | **DIXIE MANUFACTURING COMPANY**
1071 GALLOWAY
MEMPHIS TN 38105 | **ECHO**

FRS ID: 110011792300
Fac EPA Region: 04
Facility County: SHELBY
Facility Latitude: 35.15275
Facility Longitude: -90.02371

Facility Details

Major Facility?:
Active/Operating?:
Compliance Status: No Violation Identified
Signif Non Compl?: N
Programs with SNC: 0
Qtrs with NC: 0
3Yr Compliance Hist: _____
Formal Action Count: 0
Last Formal Action:
Last EPA Formal Act:
Last State Formal Act:
Informal Count: 0
Last Informal Action:
Last EPA Informal A:
Last State Informal A:
Total Penalties: 0
Penalty Count:
Date of Last Penalty:
Last Penalty Amount:
myRTK Universe: NNN
Dschg Impair Water?:
EJ Screen 80%: Yes
DFR URL: http://echo.epa.gov/detailed-facility-report?fid=110011792300

Air?: No
NPDES?: No
SDWIS?: No
RCRA?: Yes
TRI?: No
GHG?: No
SIC Codes:
NAICS Codes: 42185 325612
FIPS Code: 47157
Indian/Tribal?: No
Federal ?:
Federal Agency:
Chesapeake Bay?:
NAA?: No
Coordinate Method: ADDRESS MATCHING-HOUSE NUMBER
Reference Point: CENTER OF A FACILITY OR STATION
Accuracy (Meters): 30
Inspection Count: 0
Last Inspection:
Last EPA Inspection:
Last State Inspection:
Days Last Inspection:

Resource Conservation and Recovery Act (RCRA)

RCRA ID(s): TND042113985
Permit Types: Other
RCRA NAICS: 325612 42185
Inspection Count:
Informal Count:
Formal Action Cnt:
Days since Last Evaluation:
Date of Last Formal Action:
3Yr Compl Qtrs History: _____

Penalties:
Last Penalty Date:
Last Penalty Amt:
Qtrs with NC: 0
Compliance Status: No Violation Identified
SNC ?: No

---

15 | **1 of 2** | **SSW** | **0.26 / 1,351.91** | **247.66 / -12** | **CHURCH'S FRIED CHICKEN**
925 POPLAR AVENUE
MEMPHIS TN | **SRP**

DOR Site ID: SRS790379
Status: CLOSED
EPA Facility ID:
EPA Registry ID:
Delisted:
Promulgated Date:

DOR EFO: MEMPHIS
Program: VOLUNTARY
County: SHELBY
Latitude: 35.144968
Longitude: -90.029459
Acres:

---

15 | **2 of 2** | **SSW** | **0.26 / 1,351.91** | **247.66 / -12** | **CHURCH'S FRIED CHICKEN**
925 POPLAR AVENUE | **VCP**

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
					MEMPHIS TN	

Site ID:	SRS790379	**Program:**	VOLUNTARY
EPA Facility ID:		**EFO:**	MEMPHIS
EPA Registry ID:		**County:**	SHELBY
Status:	CLOSED	**Latitude:**	35.144968
Acres:		**Longitude:**	-90.029459

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
16	1 of 3	NW	0.26 / 1,398.70	246.09 / -13	SOUTHERN STEEL 431 DUNLAP MEMPHIS TN	INST

DOR Site ID:	SRS791072	**County:**	SHELBY
Site Status:	CLOSED	**Site Latitude:**	35.152251
Total Site Acreage:	4.08	**Site Longitude:**	-90.031523
Tdec Field Office:	MEMPHIS		

Detail(s)

Date Control Recorded:	APR-02-2009	**Control Acreage:**	4.08
Date Control Removed:		**Deed Book:**	051009 00001C
Control Type:	INSTITUTIONAL	**Map:**	
Control Description:	LAND USE RESTRICTION	**Page No:**	
Control Latitude:	35.153	**Parcel:**	
Control Longitude:	-90.033		

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
16	2 of 3	NW	0.26 / 1,398.70	246.09 / -13	SOUTHERN STEEL 431 DUNLAP MEMPHIS TN	SRP

DOR Site ID:	SRS791072	**DOR EFO:**	MEMPHIS
Status:	CLOSED	**Program:**	VOLUNTARY
EPA Facility ID:		**County:**	SHELBY
EPA Registry ID:		**Latitude:**	35.152251
Delisted:		**Longitude:**	-90.031523
Promulgated Date:		**Acres:**	4.08

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
16	3 of 3	NW	0.26 / 1,398.70	246.09 / -13	SOUTHERN STEEL 431 DUNLAP MEMPHIS TN	VCP

Site ID:	SRS791072	**Program:**	VOLUNTARY
EPA Facility ID:		**EFO:**	MEMPHIS
EPA Registry ID:		**County:**	SHELBY
Status:	CLOSED	**Latitude:**	35.152251
Acres:	4.08	**Longitude:**	-90.031523

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
17	1 of 1	NE	0.28 / 1,461.19	251.60 / -8	COX PRINTING CO 467 N WALDRAN BLVD MEMPHIS TN 38105	ECHO

FRS ID:	110004999217	**Facility Latitude:**	35.15264
Fac EPA Region:	04	**Facility Longitude:**	-90.02241
Facility County:	SHELBY		

Facility Details

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Major Facility?:		**Air?:**	No
Active/Operating?:		**NPDES?:**	No
Compliance Status:	No Violation Identified	**SDWIS?:**	No
Signif Non Compl?:	N	**RCRA?:**	Yes
Programs with SNC:	0	**TRI?:**	No
Qtrs with NC:	0	**GHG?:**	No
3Yr Compliance Hist:	_____	**SIC Codes:**	
Formal Action Count:	0	**NAICS Codes:**	
Last Formal Action:		**FIPS Code:**	47157
Last EPA Formal Act:		**Indian/Tribal?:**	No
Last State Formal Act:		**Federal ?:**	
Informal Count:	0	**Federal Agency:**	
Last Informal Action:		**Chesapeake Bay?:**	
Last EPA Informal A:		**NAA?:**	No
Last State Informal A:		**Coordinate Method:**	ADDRESS MATCHING-HOUSE NUMBER
Total Penalties:	0	**Reference Point:**	ENTRANCE POINT OF A FACILITY OR STATION
Penalty Count:		**Accuracy (Meters):**	50
Date of Last Penalty:		**Inspection Count:**	0
Last Penalty Amount:		**Last Inspection:**	
myRTK Universe:	NNN	**Last EPA Inspection:**	
Dschg Impair Water?:		**Last State Inspection:**	
EJ Screen 80%:	Yes	**Days Last Inspection:**	

DFR URL: http://echo.epa.gov/detailed-facility-report?fid=110004999217

Resource Conservation and Recovery Act (RCRA)

RCRA ID(s):	TND990649360	**Penalties:**	
Permit Types:	Other	**Last Penalty Date:**	
RCRA NAICS:		**Last Penalty Amt:**	
Inspection Count:		**Qtrs with NC:**	0
Informal Count:		**Compliance Status:**	No Violation Identified
Formal Action Cnt:		**SNC ?:**	No
Days since Last Evaluation:			
Date of Last Formal Action:			
3Yr Compl Qtrs History:	_____		

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18 | **1 of 2** | **SW** | **0.31 / 1,627.46** | **257.50 / -2** | **MEMPHIS MENTAL HEALTH INSTITUTE**
865 POPLAR AVENUE
MEMPHIS TN | **SRP**

DOR Site ID:	SRS791119	**DOR EFO:**	MEMPHIS
Status:	CLOSED	**Program:**	VOLUNTARY
EPA Facility ID:		**County:**	SHELBY
EPA Registry ID:		**Latitude:**	35.144722
Delisted:		**Longitude:**	-90.031389
Promulgated Date:		**Acres:**	

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18 | **2 of 2** | **SW** | **0.31 / 1,627.46** | **257.50 / -2** | **MEMPHIS MENTAL HEALTH INSTITUTE**
865 POPLAR AVENUE
MEMPHIS TN | **VCP**

Site ID:	SRS791119	**Program:**	VOLUNTARY
EPA Facility ID:		**EFO:**	MEMPHIS
EPA Registry ID:		**County:**	SHELBY
Status:	CLOSED	**Latitude:**	35.144722
Acres:		**Longitude:**	-90.031389

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19 | **1 of 2** | **NW** | **0.32 / 1,709.23** | **240.40 / -19** | **MLGW DIVISION - MALLORY PUMPING STATION**
488 NORTH DUNLAP | **ECHO**

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
					MEMPHIS TN 38105	

FRS ID:	110018864558	**Facility Latitude:**	35.15375
Fac EPA Region:	04	**Facility Longitude:**	-90.03131
Facility County:	SHELBY		

Facility Details

Major Facility?:		**Air?:**	Yes
Active/Operating?:	Y	**NPDES?:**	No
Compliance Status:	No Violation Identified	**SDWIS?:**	No
Signif Non Compl?:	N	**RCRA?:**	Yes
Programs with SNC:	0	**TRI?:**	No
Qtrs with NC:	0	**GHG?:**	No
3Yr Compliance Hist:	_____	**SIC Codes:**	4931
Formal Action Count:	0	**NAICS Codes:**	237110 221122
Last Formal Action:		**FIPS Code:**	47157
Last EPA Formal Act:		**Indian/Tribal?:**	No
Last State Formal Act:		**Federal ?:**	
Informal Count:	0	**Federal Agency:**	
Last Informal Action:		**Chesapeake Bay?:**	
Last EPA Informal A:		**NAA?:**	No
Last State Informal A:		**Coordinate Method:**	ADDRESS MATCHING-HOUSE NUMBER
Total Penalties:	0	**Reference Point:**	ENTRANCE POINT OF A FACILITY OR STATION
Penalty Count:		**Accuracy (Meters):**	50
Date of Last Penalty:		**Inspection Count:**	3
Last Penalty Amount:		**Last Inspection:**	04/21/2022
myRTK Universe:	NNN	**Last EPA Inspection:**	
Dschg Impair Water?:		**Last State Inspection:**	04/21/2022
EJ Screen 80%:	Yes	**Days Last Inspection:**	157
DFR URL:	http://echo.epa.gov/detailed-facility-report?fid=110018864558		

Clean Air Act (CAA)

High Priorty Viol?:	No	**Evaluation Count:**	3
Compliance Status:	No Violation Identified	**Informal Count:**	
Qtrs with NC:	0	**Penalties:**	
Formal Action Cnt:		**Dt of Last Penalty:**	
CAA NAICS:	237110	**Last Penalty Amt:**	
CAA SICS:	4931		
AIR ID(s):	TNSHL0004715700257		
CO2 Releases:	Synthetic Minor Emissions		
3Yr Compl Qtrs History:	_____		
Date of Last Formal Action:			
Days SInce Last Evaluation:	156		

Resource Conservation and Recovery Act (RCRA)

RCRA ID(s):	TNR000047621	**Penalties:**	
Permit Types:	SQG	**Last Penalty Date:**	
RCRA NAICS:	221122	**Last Penalty Amt:**	
Inspection Count:		**Qtrs with NC:**	0
Informal Count:		**Compliance Status:**	No Violation Identified
Formal Action Cnt:		**SNC ?:**	No
Days since Last Evaluation:			
Date of Last Formal Action:			
3Yr Compl Qtrs History:	_____		

19	2 of 2	NW	0.32 / 1,709.23	240.40 / -19	MALLORY PUMPING STATION 488 NORTH DUNLAP MEMPHIS TN 38103	ECHO

FRS ID:	110070217327	**Facility Latitude:**	35.15375

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Fac EPA Region:	04	**Facility Longitude:**	-90.03131
Facility County:			

Facility Details

Major Facility?:		**Air?:**	No
Active/Operating?:		**NPDES?:**	Yes
Compliance Status:		**SDWIS?:**	No
Signif Non Compl?:	N	**RCRA?:**	No
Programs with SNC:	0	**TRI?:**	No
Qtrs with NC:	0	**GHG?:**	No
3Yr Compliance Hist:	__U	**SIC Codes:**	
Formal Action Count:	0	**NAICS Codes:**	
Last Formal Action:		**FIPS Code:**	47157
Last EPA Formal Act:		**Indian/Tribal?:**	No
Last State Formal Act:		**Federal ?:**	
Informal Count:	0	**Federal Agency:**	
Last Informal Action:		**Chesapeake Bay?:**	
Last EPA Informal A:		**NAA?:**	No
Last State Informal A:		**Coordinate Method:**	ADDRESS MATCHING-HOUSE NUMBER
Total Penalties:	0	**Reference Point:**	ENTRANCE POINT OF A FACILITY OR STATION
Penalty Count:		**Accuracy (Meters):**	50
Date of Last Penalty:		**Inspection Count:**	0
Last Penalty Amount:		**Last Inspection:**	
myRTK Universe:	NNN	**Last EPA Inspection:**	
Dschg Impair Water?:	Y	**Last State Inspection:**	
EJ Screen 80%:	Yes	**Days Last Inspection:**	
DFR URL:	http://echo.epa.gov/detailed-facility-report?fid=110070217327		

Clean Water Act (CWA)

NPDES ID(s):	TNR154531	**Penalties:**	
Permit Types:	Minor	**Last Penalty Date:**	
Compliance Trcking:	Off	**Last Penalty Amt:**	
CWA NAICS:		**Qtrs With NC:**	0
CWA SICS:		**Compliance Status:**	Terminated Permit
Inspection Count:		**SNC ?:**	No
Informal Count:		**3Yr QNCR Codes:**	
Formal Action Count:			
Days since Last Inspection:			
Date of Last Formal Action:			
13Qtrs Compl History:	___U		
13Qtrs Effint Exceedances:			

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
20	1 of 24	WNW	0.35 / 1,846.38	237.22 / -22	MEMPHIS PATHOLOGY LABORATORY LLC 3RD FL-TOXICOLOGY 22 N PAULINE MEMPHIS TN 38105	ECHO

FRS ID:	110017279096	**Facility Latitude:**	35.151095
Fac EPA Region:	04	**Facility Longitude:**	-90.03412
Facility County:	SHELBY		

Facility Details

Major Facility?:		**Air?:**	No
Active/Operating?:		**NPDES?:**	No
Compliance Status:	No Violation Identified	**SDWIS?:**	No
Signif Non Compl?:	N	**RCRA?:**	Yes
Programs with SNC:	0	**TRI?:**	No
Qtrs with NC:	0	**GHG?:**	No
3Yr Compliance Hist:	_____	**SIC Codes:**	
Formal Action Count:	0	**NAICS Codes:**	621511

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Last Formal Action:		**FIPS Code:**	47157
Last EPA Formal Act:		**Indian/Tribal?:**	No
Last State Formal Act:		**Federal ?:**	
Informal Count:	0	**Federal Agency:**	
Last Informal Action:		**Chesapeake Bay?:**	
Last EPA Informal A:		**NAA?:**	No
Last State Informal A:		**Coordinate Method:**	Zip Code Centroid
Total Penalties:	0	**Reference Point:**	
Penalty Count:		**Accuracy (Meters):**	10000
Date of Last Penalty:		**Inspection Count:**	0
Last Penalty Amount:		**Last Inspection:**	01/31/2007
myRTK Universe:	NNN	**Last EPA Inspection:**	
Dschg Impair Water?:		**Last State Inspection:**	01/31/2007
EJ Screen 80%:		**Days Last Inspection:**	5716

DFR URL: http://echo.epa.gov/detailed-facility-report?fid=110017279096

Resource Conservation and Recovery Act (RCRA)

RCRA ID(s):	TNR000011270	**Penalties:**	
Permit Types:	Other	**Last Penalty Date:**	
RCRA NAICS:	621511	**Last Penalty Amt:**	
Inspection Count:		**Qtrs with NC:**	0
Informal Count:		**Compliance Status:**	No Violation Identified
Formal Action Cnt:		**SNC ?:**	No
Days since Last Evaluation:	5715		
Date of Last Formal Action:			
3Yr Compl Qtrs History:	_____		

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
20	2 of 24	WNW	0.35 / 1,846.38	237.22 / -22	GS VEHICLE MAINTENANCE MEMPHIS TN 38105	ECHO

FRS ID:	110027676799	**Facility Latitude:**	35.151095
Fac EPA Region:	04	**Facility Longitude:**	-90.03412
Facility County:	SHELBY		

Facility Details - Data Download

Compliance Status:		**Federal?:**	
Active/Operating:		**Federal Agency Nam:**	
SNC?:	No	**SIC Codes:**	
Qtrs in NC?:		**NAICS Codes:**	
Formal Action Cnt:	0	**EJ Screen 80%:**	
Last Formal Action:		**Indian/Tribal?:**	N
Informal Count:	0	**Indian/Spatial?:**	No
Total Penalties:	0	**Tile Proxmty NPDES:**	
Penalty Count:		**Tile Proximity NPL:**	
Dt of Last Penalty:		**Tile Proximity RMP:**	
Last Penalty Amt:		**Tile Proximty TSDF:**	
Inspection Count:	0	**Tile O3:**	
Dt of Last Inspect:		**Tile PM:**	
RMP ID(s):		**Tile PCT Pre 1960:**	
EIS ID(s):		**Tile DPM:**	
SEMS IDs:		**Mapped:**	Yes
EPCRA Inspctns 5Yr:		**State County FIPS Cd:**	
FIFRA Inspctns 5Yr:		**County [FRS]:**	
NAA Stndr Classfd as Nonattn:			
NAA Stndr Classfd Maintennc:			
Nonattain Pollutants in NAAs:			
Maintenance Pollutants NAAs:			
Within a Nonattaining NAA:			
Within a Maintenance NAA:			
Date of Last Inspection (EPA):			
Dt Last Inspection(State/Local):			
Days since Last Inspection:			

DFR URL: https://echo.epa.gov/detailed-facility-report?fid=110027676799

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
20	3 of 24	WNW	0.35 / 1,846.38	237.22 / -22	INSULATION AND REFRACTORIES SERVICES MEMPHIS TN 38105	ECHO

FRS ID: 110027728369
Fac EPA Region: 04
Facility County: SHELBY
Facility Latitude: 35.151095
Facility Longitude: -90.03412

Facility Details - Data Download

Compliance Status:
Active/Operating:
SNC?: No
Qtrs in NC?:
Formal Action Cnt: 0
Last Formal Action:
Informal Count: 0
Total Penalties: 0
Penalty Count:
Dt of Last Penalty:
Last Penalty Amt:
Inspection Count: 0
Dt of Last Inspect:
RMP ID(s):
EIS ID(s):
SEMS IDs:
EPCRA Inspctns 5Yr:
FIFRA Inspctns 5Yr:
NAA Stndr Classfd as Nonattn:
NAA Stndr Classfd Maintennc:
Nonattain Pollutants in NAAs:
Maintenance Pollutants NAAs:
Within a Nonattaining NAA:
Within a Maintenance NAA:
Date of Last Inspection (EPA):
Dt Last Inspection(State/Local):
Days since Last Inspection:
DFR URL: https://echo.epa.gov/detailed-facility-report?fid=110027728369

Federal?:
Federal Agency Nam:
SIC Codes:
NAICS Codes:
EJ Screen 80%:
Indian/Tribal?: N
Indian/Spatial?: No
Tile Proxmty NPDES:
Tile Proximity NPL:
Tile Proximity RMP:
Tile Proximty TSDF:
Tile O3:
Tile PM:
Tile PCT Pre 1960:
Tile DPM:
Mapped: Yes
State County FIPS Cd:
County [FRS]:

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
20	4 of 24	WNW	0.35 / 1,846.38	237.22 / -22	MEMPHIS BULK PLANT MEMPHIS TN 38105	ECHO

FRS ID: 110027768100
Fac EPA Region: 04
Facility County: SHELBY
Facility Latitude: 35.151095
Facility Longitude: -90.03412

Facility Details - Data Download

Compliance Status:
Active/Operating:
SNC?: No
Qtrs in NC?:
Formal Action Cnt: 0
Last Formal Action:
Informal Count: 0
Total Penalties: 0
Penalty Count:
Dt of Last Penalty:
Last Penalty Amt:
Inspection Count: 0
Dt of Last Inspect:
RMP ID(s):

Federal?:
Federal Agency Nam:
SIC Codes:
NAICS Codes:
EJ Screen 80%:
Indian/Tribal?: N
Indian/Spatial?: No
Tile Proxmty NPDES:
Tile Proximity NPL:
Tile Proximity RMP:
Tile Proximty TSDF:
Tile O3:
Tile PM:
Tile PCT Pre 1960:

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

EIS ID(s):
SEMS IDs:
EPCRA Inspctns 5Yr:
FIFRA Inspctns 5Yr:
NAA Stndr Classfd as Nonattn:
NAA Stndr Classfd Maintennc:
Nonattain Pollutants in NAAs:
Maintenance Pollutants NAAs:
Within a Nonattaining NAA:
Within a Maintenance NAA:
Date of Last Inspection (EPA):
Dt Last Inspection(State/Local):
Days since Last Inspection:
Tile DPM:
Mapped: Yes
State County FIPS Cd:
County [FRS]:
DFR URL: https://echo.epa.gov/detailed-facility-report?fid=110027768100

20	5 of 24	WNW	0.35 / 1,846.38	237.22 / -22	SHELBY COUNTY COURT OF MEMPHIS MEMPHIS TN 38105	ECHO

FRS ID: 110027683175
Fac EPA Region: 04
Facility County: SHELBY
Facility Latitude: 35.151095
Facility Longitude: -90.03412

Facility Details - Data Download

Compliance Status:
Active/Operating:
SNC?: No
Qtrs in NC?:
Formal Action Cnt: 0
Last Formal Action:
Informal Count: 0
Total Penalties: 0
Penalty Count:
Dt of Last Penalty:
Last Penalty Amt:
Inspection Count: 0
Dt of Last Inspect:
RMP ID(s):
EIS ID(s):
SEMS IDs:
EPCRA Inspctns 5Yr:
FIFRA Inspctns 5Yr:
NAA Stndr Classfd as Nonattn:
NAA Stndr Classfd Maintennc:
Nonattain Pollutants in NAAs:
Maintenance Pollutants NAAs:
Within a Nonattaining NAA:
Within a Maintenance NAA:
Date of Last Inspection (EPA):
Dt Last Inspection(State/Local):
Days since Last Inspection:
Federal?:
Federal Agency Nam:
SIC Codes:
NAICS Codes:
EJ Screen 80%:
Indian/Tribal?: N
Indian/Spatial?: No
Tile Proxmty NPDES:
Tile Proximity NPL:
Tile Proximity RMP:
Tile Proximty TSDF:
Tile O3:
Tile PM:
Tile PCT Pre 1960:
Tile DPM:
Mapped: Yes
State County FIPS Cd:
County [FRS]:
DFR URL: https://echo.epa.gov/detailed-facility-report?fid=110027683175

20	6 of 24	WNW	0.35 / 1,846.38	237.22 / -22	DOWNTOWN SHELL MEMPHIS TN 38105	ECHO

FRS ID: 110027603715
Fac EPA Region: 04
Facility County: SHELBY
Facility Latitude: 35.151095
Facility Longitude: -90.03412

Facility Details - Data Download

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Compliance Status:		**Federal?:**	
Active/Operating:		**Federal Agency Nam:**	
SNC?:	No	**SIC Codes:**	
Qtrs in NC?:		**NAICS Codes:**	
Formal Action Cnt:	0	**EJ Screen 80%:**	
Last Formal Action:		**Indian/Tribal?:**	N
Informal Count:	0	**Indian/Spatial?:**	No
Total Penalties:	0	**Tile Proxmty NPDES:**	
Penalty Count:		**Tile Proximity NPL:**	
Dt of Last Penalty:		**Tile Proximity RMP:**	
Last Penalty Amt:		**Tile Proximty TSDF:**	
Inspection Count:	0	**Tile O3:**	
Dt of Last Inspect:		**Tile PM:**	
RMP ID(s):		**Tile PCT Pre 1960:**	
EIS ID(s):		**Tile DPM:**	
SEMS IDs:		**Mapped:**	Yes
EPCRA Inspctns 5Yr:		**State County FIPS Cd:**	
FIFRA Inspctns 5Yr:		**County [FRS]:**	
NAA Stndr Classfd as Nonattn:			
NAA Stndr Classfd Maintennc:			
Nonattain Pollutants in NAAs:			
Maintenance Pollutants NAAs:			
Within a Nonattaining NAA:			
Within a Maintenance NAA:			
Date of Last Inspection (EPA):			
Dt Last Inspection(State/Local):			
Days since Last Inspection:			
DFR URL:	https://echo.epa.gov/detailed-facility-report?fid=110027603715		

20	7 of 24	WNW	0.35 / 1,846.38	237.22 / -22	TN TECHOLOGY CENTER OF MEMPHIS MEMPHIS TN 38105	ECHO

FRS ID:	110027730221	**Facility Latitude:**	35.151095
Fac EPA Region:	04	**Facility Longitude:**	-90.03412
Facility County:	SHELBY		

Facility Details - Data Download

Compliance Status:		**Federal?:**	
Active/Operating:		**Federal Agency Nam:**	
SNC?:	No	**SIC Codes:**	
Qtrs in NC?:		**NAICS Codes:**	
Formal Action Cnt:	0	**EJ Screen 80%:**	
Last Formal Action:		**Indian/Tribal?:**	N
Informal Count:	0	**Indian/Spatial?:**	No
Total Penalties:	0	**Tile Proxmty NPDES:**	
Penalty Count:		**Tile Proximity NPL:**	
Dt of Last Penalty:		**Tile Proximity RMP:**	
Last Penalty Amt:		**Tile Proximty TSDF:**	
Inspection Count:	0	**Tile O3:**	
Dt of Last Inspect:		**Tile PM:**	
RMP ID(s):		**Tile PCT Pre 1960:**	
EIS ID(s):		**Tile DPM:**	
SEMS IDs:		**Mapped:**	Yes
EPCRA Inspctns 5Yr:		**State County FIPS Cd:**	
FIFRA Inspctns 5Yr:		**County [FRS]:**	
NAA Stndr Classfd as Nonattn:			
NAA Stndr Classfd Maintennc:			
Nonattain Pollutants in NAAs:			
Maintenance Pollutants NAAs:			
Within a Nonattaining NAA:			
Within a Maintenance NAA:			
Date of Last Inspection (EPA):			
Dt Last Inspection(State/Local):			
Days since Last Inspection:			

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

DFR URL: https://echo.epa.gov/detailed-facility-report?fid=110027730221

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20 | 8 of 24 | WNW | 0.35 / 1,846.38 | 237.22 / -22 | GREYHOUND MAINTENANCE GARAGE | ECHO

MEMPHIS TN 38105

FRS ID: 110027665284
Fac EPA Region: 04
Facility County: SHELBY
Facility Latitude: 35.151095
Facility Longitude: -90.03412

Facility Details - Data Download

Compliance Status:
Active/Operating:
SNC?: No
Qtrs in NC?:
Formal Action Cnt: 0
Last Formal Action:
Informal Count: 0
Total Penalties: 0
Penalty Count:
Dt of Last Penalty:
Last Penalty Amt:
Inspection Count: 0
Dt of Last Inspect:
RMP ID(s):
EIS ID(s):
SEMS IDs:
EPCRA Inspctns 5Yr:
FIFRA Inspctns 5Yr:
NAA Stndr Classfd as Nonattn:
NAA Stndr Classfd Maintennc:
Nonattain Pollutants in NAAs:
Maintenance Pollutants NAAs:
Within a Nonattaining NAA:
Within a Maintenance NAA:
Date of Last Inspection (EPA):
Dt Last Inspection(State/Local):
Days since Last Inspection:
Federal?:
Federal Agency Nam:
SIC Codes:
NAICS Codes:
EJ Screen 80%:
Indian/Tribal?: N
Indian/Spatial?: No
Tile Proxmty NPDES:
Tile Proximity NPL:
Tile Proximity RMP:
Tile Proximty TSDF:
Tile O3:
Tile PM:
Tile PCT Pre 1960:
Tile DPM:
Mapped: Yes
State County FIPS Cd:
County [FRS]:

DFR URL: https://echo.epa.gov/detailed-facility-report?fid=110027665284

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20 | 9 of 24 | WNW | 0.35 / 1,846.38 | 237.22 / -22 | (FORMERLY) CHIP BARWICK CHEVROLET | ECHO

MEMPHIS TN 38105

FRS ID: 110027747605
Fac EPA Region: 04
Facility County: SHELBY
Facility Latitude: 35.151095
Facility Longitude: -90.03412

Facility Details - Data Download

Compliance Status:
Active/Operating:
SNC?: No
Qtrs in NC?:
Formal Action Cnt: 0
Last Formal Action:
Informal Count: 0
Total Penalties: 0
Penalty Count:
Dt of Last Penalty:
Last Penalty Amt:
Inspection Count: 0
Federal?:
Federal Agency Nam:
SIC Codes:
NAICS Codes:
EJ Screen 80%:
Indian/Tribal?: N
Indian/Spatial?: No
Tile Proxmty NPDES:
Tile Proximity NPL:
Tile Proximity RMP:
Tile Proximty TSDF:
Tile O3:

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Dt of Last Inspect: ***Tile PM:***
RMP ID(s): ***Tile PCT Pre 1960:***
EIS ID(s): ***Tile DPM:***
SEMS IDs: ***Mapped:*** Yes
EPCRA Inspctns 5Yr: ***State County FIPS Cd:***
FIFRA Inspctns 5Yr: ***County [FRS]:***
NAA Stndr Classfd as Nonattn:
NAA Stndr Classfd Maintennc:
Nonattain Pollutants in NAAs:
Maintenance Pollutants NAAs:
Within a Nonattaining NAA:
Within a Maintenance NAA:
Date of Last Inspection (EPA):
Dt Last Inspection(State/Local):
Days since Last Inspection:
DFR URL: https://echo.epa.gov/detailed-facility-report?fid=110027747605

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20 ***10 of 24*** ***WNW*** ***0.35 / 1,846.38*** ***237.22 / -22*** ***POPLAR AVENUE BP*** ***ECHO***

MEMPHIS TN 38105

FRS ID: 110027703910 ***Facility Latitude:*** 35.151095
Fac EPA Region: 04 ***Facility Longitude:*** -90.03412
Facility County: SHELBY

Facility Details - Data Download

Compliance Status: ***Federal?:***
Active/Operating: ***Federal Agency Nam:***
SNC?: No ***SIC Codes:***
Qtrs in NC?: ***NAICS Codes:***
Formal Action Cnt: 0 ***EJ Screen 80%:***
Last Formal Action: ***Indian/Tribal?:*** N
Informal Count: 0 ***Indian/Spatial?:*** No
Total Penalties: 0 ***Tile Proxmty NPDES:***
Penalty Count: ***Tile Proximity NPL:***
Dt of Last Penalty: ***Tile Proximity RMP:***
Last Penalty Amt: ***Tile Proximty TSDF:***
Inspection Count: 0 ***Tile O3:***
Dt of Last Inspect: ***Tile PM:***
RMP ID(s): ***Tile PCT Pre 1960:***
EIS ID(s): ***Tile DPM:***
SEMS IDs: ***Mapped:*** Yes
EPCRA Inspctns 5Yr: ***State County FIPS Cd:***
FIFRA Inspctns 5Yr: ***County [FRS]:***
NAA Stndr Classfd as Nonattn:
NAA Stndr Classfd Maintennc:
Nonattain Pollutants in NAAs:
Maintenance Pollutants NAAs:
Within a Nonattaining NAA:
Within a Maintenance NAA:
Date of Last Inspection (EPA):
Dt Last Inspection(State/Local):
Days since Last Inspection:
DFR URL: https://echo.epa.gov/detailed-facility-report?fid=110027703910

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20 ***11 of 24*** ***WNW*** ***0.35 / 1,846.38*** ***237.22 / -22*** ***INSULATION AND REFRACTORIES SERVICE*** ***ECHO***

MEMPHIS TN 38105

FRS ID: 110027728323 ***Facility Latitude:*** 35.151095
Fac EPA Region: 04 ***Facility Longitude:*** -90.03412
Facility County: SHELBY

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Facility Details - Data Download

Compliance Status:		***Federal?:***	
Active/Operating:		***Federal Agency Nam:***	
SNC?:	No	***SIC Codes:***	
Qtrs in NC?:		***NAICS Codes:***	
Formal Action Cnt:	0	***EJ Screen 80%:***	
Last Formal Action:		***Indian/Tribal?:***	N
Informal Count:	0	***Indian/Spatial?:***	No
Total Penalties:	0	***Tile Proxmty NPDES:***	
Penalty Count:		***Tile Proximity NPL:***	
Dt of Last Penalty:		***Tile Proximity RMP:***	
Last Penalty Amt:		***Tile Proximty TSDF:***	
Inspection Count:	0	***Tile O3:***	
Dt of Last Inspect:		***Tile PM:***	
RMP ID(s):		***Tile PCT Pre 1960:***	
EIS ID(s):		***Tile DPM:***	
SEMS IDs:		***Mapped:***	Yes
EPCRA Inspctns 5Yr:		***State County FIPS Cd:***	
FIFRA Inspctns 5Yr:		***County [FRS]:***	
NAA Stndr Classfd as Nonattn:			
NAA Stndr Classfd Maintennc:			
Nonattain Pollutants in NAAs:			
Maintenance Pollutants NAAs:			
Within a Nonattaining NAA:			
Within a Maintenance NAA:			
Date of Last Inspection (EPA):			
Dt Last Inspection(State/Local):			
Days since Last Inspection:			
DFR URL:	https://echo.epa.gov/detailed-facility-report?fid=110027728323		

20	*12 of 24*	*WNW*	*0.35 / 1,846.38*	*237.22 / -22*	***WILLIAMS EXPRESS, INC. # 3254*** ***MEMPHIS TN 38105***	***ECHO***

FRS ID:	110027727173	***Facility Latitude:***	35.151095
Fac EPA Region:	04	***Facility Longitude:***	-90.03412
Facility County:	SHELBY		

Facility Details - Data Download

Compliance Status:		***Federal?:***	
Active/Operating:		***Federal Agency Nam:***	
SNC?:	No	***SIC Codes:***	
Qtrs in NC?:		***NAICS Codes:***	
Formal Action Cnt:	0	***EJ Screen 80%:***	
Last Formal Action:		***Indian/Tribal?:***	N
Informal Count:	0	***Indian/Spatial?:***	No
Total Penalties:	0	***Tile Proxmty NPDES:***	
Penalty Count:		***Tile Proximity NPL:***	
Dt of Last Penalty:		***Tile Proximity RMP:***	
Last Penalty Amt:		***Tile Proximty TSDF:***	
Inspection Count:	0	***Tile O3:***	
Dt of Last Inspect:		***Tile PM:***	
RMP ID(s):		***Tile PCT Pre 1960:***	
EIS ID(s):		***Tile DPM:***	
SEMS IDs:		***Mapped:***	Yes
EPCRA Inspctns 5Yr:		***State County FIPS Cd:***	
FIFRA Inspctns 5Yr:		***County [FRS]:***	
NAA Stndr Classfd as Nonattn:			
NAA Stndr Classfd Maintennc:			
Nonattain Pollutants in NAAs:			
Maintenance Pollutants NAAs:			
Within a Nonattaining NAA:			
Within a Maintenance NAA:			
Date of Last Inspection (EPA):			
Dt Last Inspection(State/Local):			

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Days since Last Inspection:
DFR URL: https://echo.epa.gov/detailed-facility-report?fid=110027727173

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20 | ***13 of 24*** | ***WNW*** | ***0.35 / 1,846.38*** | ***237.22 / -22*** | ***FORMER UNION GROVE BAPTIST CHURCH*** | ***ECHO***

MEMPHIS TN 38105

FRS ID: 110027628976
Fac EPA Region: 04
Facility County: SHELBY
Facility Latitude: 35.151095
Facility Longitude: -90.03412

Facility Details - Data Download

Compliance Status:
Active/Operating:
SNC?: No
Qtrs in NC?:
Formal Action Cnt: 0
Last Formal Action:
Informal Count: 0
Total Penalties: 0
Penalty Count:
Dt of Last Penalty:
Last Penalty Amt:
Inspection Count: 0
Dt of Last Inspect:
RMP ID(s):
EIS ID(s):
SEMS IDs:
EPCRA Inspctns 5Yr:
FIFRA Inspctns 5Yr:
NAA Stndr Classfd as Nonattn:
NAA Stndr Classfd Maintennc:
Nonattain Pollutants in NAAs:
Maintenance Pollutants NAAs:
Within a Nonattaining NAA:
Within a Maintenance NAA:
Date of Last Inspection (EPA):
Dt Last Inspection(State/Local):
Days since Last Inspection:
DFR URL: https://echo.epa.gov/detailed-facility-report?fid=110027628976

Federal?:
Federal Agency Nam:
SIC Codes:
NAICS Codes:
EJ Screen 80%:
Indian/Tribal?: N
Indian/Spatial?: No
Tile Proxmty NPDES:
Tile Proximity NPL:
Tile Proximity RMP:
Tile Proximty TSDF:
Tile O3:
Tile PM:
Tile PCT Pre 1960:
Tile DPM:
Mapped: Yes
State County FIPS Cd:
County [FRS]:

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20 | ***14 of 24*** | ***WNW*** | ***0.35 / 1,846.38*** | ***237.22 / -22*** | ***HARDY S SERVICE STATION*** | ***ECHO***

MEMPHIS TN 38105

FRS ID: 110027694136
Fac EPA Region: 04
Facility County: SHELBY
Facility Latitude: 35.151095
Facility Longitude: -90.03412

Facility Details - Data Download

Compliance Status:
Active/Operating:
SNC?: No
Qtrs in NC?:
Formal Action Cnt: 0
Last Formal Action:
Informal Count: 0
Total Penalties: 0
Penalty Count:
Dt of Last Penalty:
Last Penalty Amt:
Inspection Count: 0

Federal?:
Federal Agency Nam:
SIC Codes:
NAICS Codes:
EJ Screen 80%:
Indian/Tribal?: N
Indian/Spatial?: No
Tile Proxmty NPDES:
Tile Proximity NPL:
Tile Proximity RMP:
Tile Proximty TSDF:
Tile O3:

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Dt of Last Inspect: ***Tile PM:***
RMP ID(s): ***Tile PCT Pre 1960:***
EIS ID(s): ***Tile DPM:***
SEMS IDs: ***Mapped:*** Yes
EPCRA Inspctns 5Yr: ***State County FIPS Cd:***
FIFRA Inspctns 5Yr: ***County [FRS]:***
NAA Stndr Classfd as Nonattn:
NAA Stndr Classfd Maintennc:
Nonattain Pollutants in NAAs:
Maintenance Pollutants NAAs:
Within a Nonattaining NAA:
Within a Maintenance NAA:
Date of Last Inspection (EPA):
Dt Last Inspection(State/Local):
Days since Last Inspection:
DFR URL: https://echo.epa.gov/detailed-facility-report?fid=110027694136

20	*15 of 24*	*WNW*	*0.35 / 1,846.38*	*237.22 / -22*	***PUBLIC WORKS SEWER AND DRAIN MAINT*** ***MEMPHIS TN 38105***	***ECHO***

FRS ID: 110027616881 ***Facility Latitude:*** 35.151095
Fac EPA Region: 04 ***Facility Longitude:*** -90.03412
Facility County: SHELBY

Facility Details - Data Download

Compliance Status: ***Federal?:***
Active/Operating: ***Federal Agency Nam:***
SNC?: No ***SIC Codes:***
Qtrs in NC?: ***NAICS Codes:***
Formal Action Cnt: 0 ***EJ Screen 80%:***
Last Formal Action: ***Indian/Tribal?:*** N
Informal Count: 0 ***Indian/Spatial?:*** No
Total Penalties: 0 ***Tile Proxmty NPDES:***
Penalty Count: ***Tile Proximity NPL:***
Dt of Last Penalty: ***Tile Proximity RMP:***
Last Penalty Amt: ***Tile Proximty TSDF:***
Inspection Count: 0 ***Tile O3:***
Dt of Last Inspect: ***Tile PM:***
RMP ID(s): ***Tile PCT Pre 1960:***
EIS ID(s): ***Tile DPM:***
SEMS IDs: ***Mapped:*** Yes
EPCRA Inspctns 5Yr: ***State County FIPS Cd:***
FIFRA Inspctns 5Yr: ***County [FRS]:***
NAA Stndr Classfd as Nonattn:
NAA Stndr Classfd Maintennc:
Nonattain Pollutants in NAAs:
Maintenance Pollutants NAAs:
Within a Nonattaining NAA:
Within a Maintenance NAA:
Date of Last Inspection (EPA):
Dt Last Inspection(State/Local):
Days since Last Inspection:
DFR URL: https://echo.epa.gov/detailed-facility-report?fid=110027616881

20	*16 of 24*	*WNW*	*0.35 / 1,846.38*	*237.22 / -22*	***GOODYEAR ASC (CLOSED)*** ***MEMPHIS TN 38105***	***ECHO***

FRS ID: 110027652118 ***Facility Latitude:*** 35.151095
Fac EPA Region: 04 ***Facility Longitude:*** -90.03412
Facility County: SHELBY

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Facility Details - Data Download

Compliance Status:		***Federal?:***	
Active/Operating:		***Federal Agency Nam:***	
SNC?:	No	***SIC Codes:***	
Qtrs in NC?:		***NAICS Codes:***	
Formal Action Cnt:	0	***EJ Screen 80%:***	
Last Formal Action:		***Indian/Tribal?:***	N
Informal Count:	0	***Indian/Spatial?:***	No
Total Penalties:	0	***Tile Proxmty NPDES:***	
Penalty Count:		***Tile Proximity NPL:***	
Dt of Last Penalty:		***Tile Proximity RMP:***	
Last Penalty Amt:		***Tile Proximty TSDF:***	
Inspection Count:	0	***Tile O3:***	
Dt of Last Inspect:		***Tile PM:***	
RMP ID(s):		***Tile PCT Pre 1960:***	
EIS ID(s):		***Tile DPM:***	
SEMS IDs:		***Mapped:***	Yes
EPCRA Inspctns 5Yr:		***State County FIPS Cd:***	
FIFRA Inspctns 5Yr:		***County [FRS]:***	
NAA Stndr Classfd as Nonattn:			
NAA Stndr Classfd Maintennc:			
Nonattain Pollutants in NAAs:			
Maintenance Pollutants NAAs:			
Within a Nonattaining NAA:			
Within a Maintenance NAA:			
Date of Last Inspection (EPA):			
Dt Last Inspection(State/Local):			
Days since Last Inspection:			
DFR URL:	https://echo.epa.gov/detailed-facility-report?fid=110027652118		

20	*17 of 24*	*WNW*	*0.35 / 1,846.38*	*237.22 / -22*	***MALLORY PUMPING STATION*** ***MEMPHIS TN 38105***	***ECHO***

FRS ID:	110027741442	***Facility Latitude:***	35.151095
Fac EPA Region:	04	***Facility Longitude:***	-90.03412
Facility County:	SHELBY		

Facility Details - Data Download

Compliance Status:		***Federal?:***	
Active/Operating:		***Federal Agency Nam:***	
SNC?:	No	***SIC Codes:***	
Qtrs in NC?:		***NAICS Codes:***	
Formal Action Cnt:	0	***EJ Screen 80%:***	
Last Formal Action:		***Indian/Tribal?:***	N
Informal Count:	0	***Indian/Spatial?:***	No
Total Penalties:	0	***Tile Proxmty NPDES:***	
Penalty Count:		***Tile Proximity NPL:***	
Dt of Last Penalty:		***Tile Proximity RMP:***	
Last Penalty Amt:		***Tile Proximty TSDF:***	
Inspection Count:	0	***Tile O3:***	
Dt of Last Inspect:		***Tile PM:***	
RMP ID(s):		***Tile PCT Pre 1960:***	
EIS ID(s):		***Tile DPM:***	
SEMS IDs:		***Mapped:***	Yes
EPCRA Inspctns 5Yr:		***State County FIPS Cd:***	
FIFRA Inspctns 5Yr:		***County [FRS]:***	
NAA Stndr Classfd as Nonattn:			
NAA Stndr Classfd Maintennc:			
Nonattain Pollutants in NAAs:			
Maintenance Pollutants NAAs:			
Within a Nonattaining NAA:			
Within a Maintenance NAA:			
Date of Last Inspection (EPA):			
Dt Last Inspection(State/Local):			

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Days since Last Inspection:
DFR URL: https://echo.epa.gov/detailed-facility-report?fid=110027741442

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20 | ***18 of 24*** | ***WNW*** | ***0.35 / 1,846.38*** | ***237.22 / -22*** | ***AIR MASK SERVICE UNIT*** | ***ECHO***

MEMPHIS TN 38105

FRS ID: 110027753857
Fac EPA Region: 04
Facility County: SHELBY
Facility Latitude: 35.151095
Facility Longitude: -90.03412

Facility Details - Data Download

Compliance Status:
Active/Operating:
SNC?: No
Qtrs in NC?:
Formal Action Cnt: 0
Last Formal Action:
Informal Count: 0
Total Penalties: 0
Penalty Count:
Dt of Last Penalty:
Last Penalty Amt:
Inspection Count: 0
Dt of Last Inspect:
RMP ID(s):
EIS ID(s):
SEMS IDs:
EPCRA Inspctns 5Yr:
FIFRA Inspctns 5Yr:
NAA Stndr Classfd as Nonattn:
NAA Stndr Classfd Maintennc:
Nonattain Pollutants in NAAs:
Maintenance Pollutants NAAs:
Within a Nonattaining NAA:
Within a Maintenance NAA:
Date of Last Inspection (EPA):
Dt Last Inspection(State/Local):
Days since Last Inspection:
DFR URL: https://echo.epa.gov/detailed-facility-report?fid=110027753857

Federal?:
Federal Agency Nam:
SIC Codes:
NAICS Codes:
EJ Screen 80%:
Indian/Tribal?: N
Indian/Spatial?: No
Tile Proxmty NPDES:
Tile Proximity NPL:
Tile Proximity RMP:
Tile Proximty TSDF:
Tile O3:
Tile PM:
Tile PCT Pre 1960:
Tile DPM:
Mapped: Yes
State County FIPS Cd:
County [FRS]:

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20 | ***19 of 24*** | ***WNW*** | ***0.35 / 1,846.38*** | ***237.22 / -22*** | ***GREYHOUND TERMINAL*** | ***ECHO***

MEMPHIS TN 38105

FRS ID: 110027673765
Fac EPA Region: 04
Facility County: SHELBY
Facility Latitude: 35.151095
Facility Longitude: -90.03412

Facility Details - Data Download

Compliance Status:
Active/Operating:
SNC?: No
Qtrs in NC?:
Formal Action Cnt: 0
Last Formal Action:
Informal Count: 0
Total Penalties: 0
Penalty Count:
Dt of Last Penalty:
Last Penalty Amt:
Inspection Count: 0
Dt of Last Inspect:

Federal?:
Federal Agency Nam:
SIC Codes:
NAICS Codes:
EJ Screen 80%:
Indian/Tribal?: N
Indian/Spatial?: No
Tile Proxmty NPDES:
Tile Proximity NPL:
Tile Proximity RMP:
Tile Proximty TSDF:
Tile O3:
Tile PM:

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

RMP ID(s):
EIS ID(s):
SEMS IDs:
EPCRA Inspctns 5Yr:
FIFRA Inspctns 5Yr:
NAA Stndr Classfd as Nonattn:
NAA Stndr Classfd Maintennc:
Nonattain Pollutants in NAAs:
Maintenance Pollutants NAAs:
Within a Nonattaining NAA:
Within a Maintenance NAA:
Date of Last Inspection (EPA):
Dt Last Inspection(State/Local):
Days since Last Inspection:
Tile PCT Pre 1960:
Tile DPM:
Mapped: Yes
State County FIPS Cd:
County [FRS]:
DFR URL: https://echo.epa.gov/detailed-facility-report?fid=110027673765

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20 | 20 of 24 | WNW | 0.35 / 1,846.38 | 237.22 / -22 | UT MEDICAL GROUP
MEMPHIS TN 38105 | ECHO

FRS ID: 110027733898
Fac EPA Region: 04
Facility County: SHELBY
Facility Latitude: 35.151095
Facility Longitude: -90.03412

Facility Details - Data Download

Compliance Status:
Active/Operating:
SNC?: No
Qtrs in NC?:
Formal Action Cnt: 0
Last Formal Action:
Informal Count: 0
Total Penalties: 0
Penalty Count:
Dt of Last Penalty:
Last Penalty Amt:
Inspection Count: 0
Dt of Last Inspect:
RMP ID(s):
EIS ID(s):
SEMS IDs:
EPCRA Inspctns 5Yr:
FIFRA Inspctns 5Yr:
NAA Stndr Classfd as Nonattn:
NAA Stndr Classfd Maintennc:
Nonattain Pollutants in NAAs:
Maintenance Pollutants NAAs:
Within a Nonattaining NAA:
Within a Maintenance NAA:
Date of Last Inspection (EPA):
Dt Last Inspection(State/Local):
Days since Last Inspection:
Federal?:
Federal Agency Nam:
SIC Codes:
NAICS Codes:
EJ Screen 80%:
Indian/Tribal?: N
Indian/Spatial?: No
Tile Proxmty NPDES:
Tile Proximity NPL:
Tile Proximity RMP:
Tile Proximty TSDF:
Tile O3:
Tile PM:
Tile PCT Pre 1960:
Tile DPM:
Mapped: Yes
State County FIPS Cd:
County [FRS]:
DFR URL: https://echo.epa.gov/detailed-facility-report?fid=110027733898

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20 | 21 of 24 | WNW | 0.35 / 1,846.38 | 237.22 / -22 | FLEET SERVICES
MEMPHIS TN 38105 | ECHO

FRS ID: 110027710172
Fac EPA Region: 04
Facility County: SHELBY
Facility Latitude: 35.151095
Facility Longitude: -90.03412

Facility Details - Data Download

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Compliance Status:		**Federal?:**	
Active/Operating:		**Federal Agency Nam:**	
SNC?:	No	**SIC Codes:**	
Qtrs in NC?:		**NAICS Codes:**	
Formal Action Cnt:	0	**EJ Screen 80%:**	
Last Formal Action:		**Indian/Tribal?:**	N
Informal Count:	0	**Indian/Spatial?:**	No
Total Penalties:	0	**Tile Proxmty NPDES:**	
Penalty Count:		**Tile Proximity NPL:**	
Dt of Last Penalty:		**Tile Proximity RMP:**	
Last Penalty Amt:		**Tile Proximty TSDF:**	
Inspection Count:	0	**Tile O3:**	
Dt of Last Inspect:		**Tile PM:**	
RMP ID(s):		**Tile PCT Pre 1960:**	
EIS ID(s):		**Tile DPM:**	
SEMS IDs:		**Mapped:**	Yes
EPCRA Inspctns 5Yr:		**State County FIPS Cd:**	
FIFRA Inspctns 5Yr:		**County [FRS]:**	
NAA Stndr Classfd as Nonattn:			
NAA Stndr Classfd Maintennc:			
Nonattain Pollutants in NAAs:			
Maintenance Pollutants NAAs:			
Within a Nonattaining NAA:			
Within a Maintenance NAA:			
Date of Last Inspection (EPA):			
Dt Last Inspection(State/Local):			
Days since Last Inspection:			
DFR URL:	https://echo.epa.gov/detailed-facility-report?fid=110027710172		

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
20	22 of 24	WNW	0.35 / 1,846.38	237.22 / -22	AUTO CHLOR SYSTEM MEMPHIS TN 38105	ECHO

FRS ID:	110027752732	**Facility Latitude:**	35.151095
Fac EPA Region:	04	**Facility Longitude:**	-90.03412
Facility County:	SHELBY		

Facility Details - Data Download

Compliance Status:		**Federal?:**	
Active/Operating:		**Federal Agency Nam:**	
SNC?:	No	**SIC Codes:**	
Qtrs in NC?:		**NAICS Codes:**	
Formal Action Cnt:	0	**EJ Screen 80%:**	
Last Formal Action:		**Indian/Tribal?:**	N
Informal Count:	0	**Indian/Spatial?:**	No
Total Penalties:	0	**Tile Proxmty NPDES:**	
Penalty Count:		**Tile Proximity NPL:**	
Dt of Last Penalty:		**Tile Proximity RMP:**	
Last Penalty Amt:		**Tile Proximty TSDF:**	
Inspection Count:	0	**Tile O3:**	
Dt of Last Inspect:		**Tile PM:**	
RMP ID(s):		**Tile PCT Pre 1960:**	
EIS ID(s):		**Tile DPM:**	
SEMS IDs:		**Mapped:**	Yes
EPCRA Inspctns 5Yr:		**State County FIPS Cd:**	
FIFRA Inspctns 5Yr:		**County [FRS]:**	
NAA Stndr Classfd as Nonattn:			
NAA Stndr Classfd Maintennc:			
Nonattain Pollutants in NAAs:			
Maintenance Pollutants NAAs:			
Within a Nonattaining NAA:			
Within a Maintenance NAA:			
Date of Last Inspection (EPA):			
Dt Last Inspection(State/Local):			
Days since Last Inspection:			
DFR URL:	https://echo.epa.gov/detailed-facility-report?fid=110027752732		

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
20	23 of 24	WNW	0.35 / 1,846.38	237.22 / -22	SCOTT S UNION 76 MEMPHIS TN 38105	ECHO

FRS ID: 110027637699
Fac EPA Region: 04
Facility County: SHELBY
Facility Latitude: 35.151095
Facility Longitude: -90.03412

Facility Details - Data Download

Compliance Status:
Active/Operating:
SNC?: No
Qtrs in NC?:
Formal Action Cnt: 0
Last Formal Action:
Informal Count: 0
Total Penalties: 0
Penalty Count:
Dt of Last Penalty:
Last Penalty Amt:
Inspection Count: 0
Dt of Last Inspect:
RMP ID(s):
EIS ID(s):
SEMS IDs:
EPCRA Inspctns 5Yr:
FIFRA Inspctns 5Yr:
NAA Stndr Classfd as Nonattn:
NAA Stndr Classfd Maintennc:
Nonattain Pollutants in NAAs:
Maintenance Pollutants NAAs:
Within a Nonattaining NAA:
Within a Maintenance NAA:
Date of Last Inspection (EPA):
Dt Last Inspection(State/Local):
Days since Last Inspection:
DFR URL: https://echo.epa.gov/detailed-facility-report?fid=110027637699

Federal?:
Federal Agency Nam:
SIC Codes:
NAICS Codes:
EJ Screen 80%:
Indian/Tribal?: N
Indian/Spatial?: No
Tile Proxmty NPDES:
Tile Proximity NPL:
Tile Proximity RMP:
Tile Proximty TSDF:
Tile O3:
Tile PM:
Tile PCT Pre 1960:
Tile DPM:
Mapped: Yes
State County FIPS Cd:
County [FRS]:

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
20	24 of 24	WNW	0.35 / 1,846.38	237.22 / -22	WATER SERVICE CENTER MEMPHIS TN 38105	ECHO

FRS ID: 110027690498
Fac EPA Region: 04
Facility County: SHELBY
Facility Latitude: 35.151095
Facility Longitude: -90.03412

Facility Details - Data Download

Compliance Status:
Active/Operating:
SNC?: No
Qtrs in NC?:
Formal Action Cnt: 0
Last Formal Action:
Informal Count: 0
Total Penalties: 0
Penalty Count:
Dt of Last Penalty:
Last Penalty Amt:
Inspection Count: 0
Dt of Last Inspect:
RMP ID(s):
EIS ID(s):

Federal?:
Federal Agency Nam:
SIC Codes:
NAICS Codes:
EJ Screen 80%:
Indian/Tribal?: N
Indian/Spatial?: No
Tile Proxmty NPDES:
Tile Proximity NPL:
Tile Proximity RMP:
Tile Proximty TSDF:
Tile O3:
Tile PM:
Tile PCT Pre 1960:
Tile DPM:

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

SEMS IDs:
EPCRA Inspctns 5Yr:
FIFRA Inspctns 5Yr:
NAA Stndr Classfd as Nonattn:
NAA Stndr Classfd Maintennc:
Nonattain Pollutants in NAAs:
Maintenance Pollutants NAAs:
Within a Nonattaining NAA:
Within a Maintenance NAA:
Date of Last Inspection (EPA):
Dt Last Inspection(State/Local):
Days since Last Inspection:
DFR URL: https://echo.epa.gov/detailed-facility-report?fid=110027690498

Mapped: Yes
State County FIPS Cd:
County [FRS]:

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21 | 1 of 6 | WSW | 0.38 / 2,010.30 | 264.46 / 5 | **BP STATION #767**
821 POPLAR AVE
MEMPHIS TN 38105 | LUST TRUST

Facility ID: 9791083
Case No: 1
Applic No: 94236
Owner ID: 349647
Facility Owner: Orion Federal Credit Union
Status: Closed
Paid Requested: $1,144,109.35
Paid Net Not Negotiable: $131,919.51
Paid Net Pay: $1,011,983.58
Paid Deductible: $20,000.00
Paid Payment: $991,983.57
Applied Requested:
Applied Not Negotiable:
Applied Net Pay:
Applied Deductible:
Applied Payment:

---

21 | 2 of 6 | WSW | 0.38 / 2,010.30 | 264.46 / 5 | **AMOCO STATION #767**
821 POPLAR AVENUE
MEMPHIS TN 38105 | LUST

Facility ID: 9791083
Site No: 1
County: Shelby
Case Manager: Roshanda Forsythe
Section: FO
Cause: 7 Unknown
Current Status: 8 Case Closed
Product Released:
CAC Company: CMD ASSOCIATES, INC.
Owner Name: BP Products North America
Case Description: SSS ON HOLD ECOVAC

Discovery Date: DEC-06-1991
How Discovered:
Contact Title:
CAC contact:
Owner Contact: Jim Smith

---

21 | 3 of 6 | WSW | 0.38 / 2,010.30 | 264.46 / 5 | **BP/AMOCO #18440**
821 Poplar Avenue
Memphis TN 38105 | LUST

Facility ID: 9791083
Site No: 2
County: Shelby
Case Manager: Randy Mann
Section: FO
Cause:
Current Status: 8 Case Closed
Product Released:
CAC Company:

Discovery Date:
How Discovered: 2 Release Detection
Contact Title:
CAC contact:
Owner Contact: Ramzan Karimi

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Owner Name: Georgia Commercial Stores, Inc.
Case Description: Suspected release

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21 **4 of 6** **WSW** **0.38 / 2,010.30** **264.46 / 5** **Poplar Avenue BP**
821 Poplar Avenue
Memphis TN 38105 **LUST**

Facility ID: 9791083
Site No: 3
County: Shelby
Case Manager: Roshanda Forsythe
Section: FO
Cause:
Current Status: 1d Completed Line Closure
Product Released:
CAC Company:
Owner Name:
Case Description:

Discovery Date:
How Discovered:
Contact Title:
CAC contact:
Owner Contact:

---

21 **5 of 6** **WSW** **0.38 / 2,010.30** **264.46 / 5** **Poplar Avenue BP**
821 Poplar Avenue
Memphis TN 38105 **LUST**

Facility ID: 9791083
Site No: 4
County: Shelby
Case Manager: Roshanda Forsythe
Section: FO
Cause:
Current Status: 1a Completed Tank Closure
Product Released:
CAC Company: SCS Environemtal Group, LLC
Owner Name:
Case Description: Tanks removal

Discovery Date:
How Discovered:
Contact Title: Ms.
CAC contact: Shawn Pool
Owner Contact:

---

21 **6 of 6** **WSW** **0.38 / 2,010.30** **264.46 / 5** **AMOCO OIL SS# 767**
821 POPLAR AVE
MEMPHIS TN 38105 **ECHO**

FRS ID: 110004994846
Fac EPA Region: 04
Facility County: SHELBY

Facility Latitude: 35.14557
Facility Longitude: -90.03316

Facility Details

Major Facility?:
Active/Operating?:
Compliance Status: No Violation Identified
Signif Non Compl?: N
Programs with SNC: 0
Qtrs with NC: 0
3Yr Compliance Hist: _____
Formal Action Count: 0
Last Formal Action:
Last EPA Formal Act:
Last State Formal Act:
Informal Count: 0
Last Informal Action:
Last EPA Informal A:
Last State Informal A:
Total Penalties: 0
Penalty Count:

Air?: No
NPDES?: No
SDWIS?: No
RCRA?: Yes
TRI?: No
GHG?: No
SIC Codes:
NAICS Codes: 454319 811198
FIPS Code: 47157
Indian/Tribal?: No
Federal ?:
Federal Agency:
Chesapeake Bay?:
NAA?: No
Coordinate Method: ADDRESS MATCHING-HOUSE NUMBER
Reference Point: CENTER OF A FACILITY OR STATION
Accuracy (Meters): 30

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Date of Last Penalty:		**Inspection Count:**	0
Last Penalty Amount:		**Last Inspection:**	
myRTK Universe:	NNN	**Last EPA Inspection:**	
Dschg Impair Water?:		**Last State Inspection:**	
EJ Screen 80%:	Yes	**Days Last Inspection:**	
DFR URL:	http://echo.epa.gov/detailed-facility-report?fid=110004994846		

Resource Conservation and Recovery Act (RCRA)

RCRA ID(s):	TND987780459	**Penalties:**	
Permit Types:	Other	**Last Penalty Date:**	
RCRA NAICS:	454319 811198	**Last Penalty Amt:**	
Inspection Count:		**Qtrs with NC:**	0
Informal Count:		**Compliance Status:**	No Violation Identified
Formal Action Cnt:		**SNC ?:**	No
Days since Last Evaluation:			
Date of Last Formal Action:			
3Yr Compl Qtrs History:	_____		

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
22	1 of 1	NW	0.39 / 2,080.95	239.76 / -20	ST. JUDE PARKING LOT PARKING LOT ADJACENT TO 757 GALLOWAY AVE MEMPHIS TN 38105	ECHO

FRS ID:	110070256407	**Facility Latitude:**	35.153887
Fac EPA Region:	04	**Facility Longitude:**	-90.032944
Facility County:			

Facility Details

Major Facility?:		**Air?:**	No
Active/Operating?:		**NPDES?:**	Yes
Compliance Status:		**SDWIS?:**	No
Signif Non Compl?:	N	**RCRA?:**	No
Programs with SNC:	0	**TRI?:**	No
Qtrs with NC:	0	**GHG?:**	No
3Yr Compliance Hist:	U_____U	**SIC Codes:**	
Formal Action Count:	0	**NAICS Codes:**	
Last Formal Action:		**FIPS Code:**	47157
Last EPA Formal Act:		**Indian/Tribal?:**	No
Last State Formal Act:		**Federal ?:**	
Informal Count:	0	**Federal Agency:**	
Last Informal Action:		**Chesapeake Bay?:**	
Last EPA Informal A:		**NAA?:**	No
Last State Informal A:		**Coordinate Method:**	ADDRESS MATCHING-HOUSE NUMBER
Total Penalties:	0	**Reference Point:**	ENTRANCE POINT OF A FACILITY OR STATION
Penalty Count:		**Accuracy (Meters):**	50
Date of Last Penalty:		**Inspection Count:**	0
Last Penalty Amount:		**Last Inspection:**	
myRTK Universe:	NNN	**Last EPA Inspection:**	
Dschg Impair Water?:	Y	**Last State Inspection:**	
EJ Screen 80%:	Yes	**Days Last Inspection:**	
DFR URL:	http://echo.epa.gov/detailed-facility-report?fid=110070256407		

Clean Water Act (CWA)

NPDES ID(s):	TNR154602 TNR154728	**Penalties:**	
Permit Types:	Minor	**Last Penalty Date:**	
Compliance Trcking:	Off	**Last Penalty Amt:**	
CWA NAICS:		**Qtrs With NC:**	0
CWA SICS:		**Compliance Status:**	Terminated Permit
Inspection Count:		**SNC ?:**	No
Informal Count:		**3Yr QNCR Codes:**	
Formal Action Count:			

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Days since Last Inspection:
Date of Last Formal Action:
13Qtrs Compl History: _U_____U
13Qtrs Efflnt Exceedances:

---

23 | **1 of 1** | **WNW** | **0.41 / 2,153.31** | **231.93 / -27** | **PERLMAN F & CO INC**
476 NORTH MANASSAS
MEMPHIS TN 38101 | **ECHO**

FRS ID: 110004967484
Fac EPA Region: 04
Facility County: SHELBY
Facility Latitude: 35.15311
Facility Longitude: -90.03383

Facility Details

Major Facility?:
Active/Operating?:
Compliance Status: No Violation Identified
Signif Non Compl?: N
Programs with SNC: 0
Qtrs with NC: 0
3Yr Compliance Hist: _____
Formal Action Count: 0
Last Formal Action:
Last EPA Formal Act:
Last State Formal Act:
Informal Count: 0
Last Informal Action:
Last EPA Informal A:
Last State Informal A:
Total Penalties: 0
Penalty Count:
Date of Last Penalty:
Last Penalty Amount:
myRTK Universe: NNN
Dschg Impair Water?:
EJ Screen 80%: Yes
DFR URL: http://echo.epa.gov/detailed-facility-report?fid=110004967484

Air?: No
NPDES?: No
SDWIS?: No
RCRA?: Yes
TRI?: No
GHG?: No
SIC Codes:
NAICS Codes: 42193
FIPS Code: 47157
Indian/Tribal?: No
Federal ?:
Federal Agency:
Chesapeake Bay?:
NAA?: No
Coordinate Method: ADDRESS MATCHING-HOUSE NUMBER
Reference Point: CENTER OF A FACILITY OR STATION
Accuracy (Meters): 30
Inspection Count: 0
Last Inspection:
Last EPA Inspection:
Last State Inspection:
Days Last Inspection:

Resource Conservation and Recovery Act (RCRA)

RCRA ID(s): TND049985716
Permit Types: Other
RCRA NAICS: 42193
Inspection Count:
Informal Count:
Formal Action Cnt:
Days since Last Evaluation:
Date of Last Formal Action:
3Yr Compl Qtrs History: _____

Penalties:
Last Penalty Date:
Last Penalty Amt:
Qtrs with NC: 0
Compliance Status: No Violation Identified
SNC ?: No

---

24 | **1 of 1** | **WNW** | **0.41 / 2,179.55** | **231.50 / -28** | **CITY OF MEMPHIS/SIGNS AND MARKINGS**
435 MANASSAS
MEMPHIS TN 38105 | **ECHO**

FRS ID: 110004953220
Fac EPA Region: 04
Facility County: SHELBY
Facility Latitude: 35.1528
Facility Longitude: -90.03387

Facility Details

Major Facility?:
Active/Operating?:

Air?: No
NPDES?: No

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Compliance Status:	No Violation Identified	**SDWIS?:**	No
Signif Non Compl?:	N	**RCRA?:**	Yes
Programs with SNC:	0	**TRI?:**	No
Qtrs with NC:	0	**GHG?:**	No
3Yr Compliance Hist:	_____	**SIC Codes:**	
Formal Action Count:	0	**NAICS Codes:**	92512
Last Formal Action:		**FIPS Code:**	47157
Last EPA Formal Act:		**Indian/Tribal?:**	No
Last State Formal Act:		**Federal ?:**	
Informal Count:	0	**Federal Agency:**	
Last Informal Action:		**Chesapeake Bay?:**	
Last EPA Informal A:		**NAA?:**	No
Last State Informal A:		**Coordinate Method:**	ADDRESS MATCHING-HOUSE NUMBER
Total Penalties:	0	**Reference Point:**	CENTER OF A FACILITY OR STATION
Penalty Count:		**Accuracy (Meters):**	30
Date of Last Penalty:		**Inspection Count:**	0
Last Penalty Amount:		**Last Inspection:**	05/08/2003
myRTK Universe:	NNN	**Last EPA Inspection:**	
Dschg Impair Water?:		**Last State Inspection:**	05/08/2003
EJ Screen 80%:	Yes	**Days Last Inspection:**	7080
DFR URL:	http://echo.epa.gov/detailed-facility-report?fid=110004953220		

Resource Conservation and Recovery Act (RCRA)

RCRA ID(s):	TN0000918946	**Penalties:**	
Permit Types:	Other	**Last Penalty Date:**	
RCRA NAICS:	92512	**Last Penalty Amt:**	
Inspection Count:		**Qtrs with NC:**	0
Informal Count:		**Compliance Status:**	No Violation Identified
Formal Action Cnt:		**SNC ?:**	No
Days since Last Evaluation:	7079		
Date of Last Formal Action:			
3Yr Compl Qtrs History:	_____		

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
25	1 of 1	ENE	0.42 / 2,223.24	262.18 / 3	TENNISON BROTHERS INC 450 N BELLEVUE BLVD MEMPHIS TN 38104	ECHO

FRS ID:	110004962498	**Facility Latitude:**	35.15182
Fac EPA Region:	04	**Facility Longitude:**	-90.01998
Facility County:	SHELBY		

Facility Details

Major Facility?:		**Air?:**	No
Active/Operating?:		**NPDES?:**	No
Compliance Status:	No Violation Identified	**SDWIS?:**	No
Signif Non Compl?:	N	**RCRA?:**	Yes
Programs with SNC:	0	**TRI?:**	No
Qtrs with NC:	0	**GHG?:**	No
3Yr Compliance Hist:	_____	**SIC Codes:**	
Formal Action Count:	0	**NAICS Codes:**	44419 332322
Last Formal Action:		**FIPS Code:**	47157
Last EPA Formal Act:		**Indian/Tribal?:**	No
Last State Formal Act:		**Federal ?:**	
Informal Count:	0	**Federal Agency:**	
Last Informal Action:		**Chesapeake Bay?:**	
Last EPA Informal A:		**NAA?:**	No
Last State Informal A:		**Coordinate Method:**	ADDRESS MATCHING-HOUSE NUMBER
Total Penalties:	0	**Reference Point:**	CENTER OF A FACILITY OR STATION
Penalty Count:		**Accuracy (Meters):**	30
Date of Last Penalty:		**Inspection Count:**	0
Last Penalty Amount:		**Last Inspection:**	
myRTK Universe:	NNN	**Last EPA Inspection:**	
Dschg Impair Water?:		**Last State Inspection:**	
EJ Screen 80%:	Yes	**Days Last Inspection:**	

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

DFR URL: http://echo.epa.gov/detailed-facility-report?fid=110004962498

Resource Conservation and Recovery Act (RCRA)

RCRA ID(s): TND008053910
Permit Types: Other
RCRA NAICS: 44419 332322
Inspection Count:
Informal Count:
Formal Action Cnt:
Days since Last Evaluation:
Date of Last Formal Action:
3Yr Compl Qtrs History: _____

Penalties:
Last Penalty Date:
Last Penalty Amt:
Qtrs with NC: 0
Compliance Status: No Violation Identified
SNC ?: No

---

26 | **1 of 7** | **SSE** | **0.42 / 2,230.29** | **266.52 / 7** | **VA MEDICAL CENTER**
1030 JEFFERSON AVENUE
Memphis TN 38104 | **LUST**

Facility ID: 790807
Site No: 1
County: Shelby
Case Manager: David Groce
Section: FO
Cause:
Current Status: 1a Completed Tank Closure
Product Released:
CAC Company:
Owner Name: VA MEDICAL CENTER
Case Description:

Discovery Date:
How Discovered:
Contact Title:
CAC contact:
Owner Contact:

---

26 | **2 of 7** | **SSE** | **0.42 / 2,230.29** | **266.52 / 7** | **VA MEDICAL CENTER**
1030 JEFFERSON AVENUE
MEMPHIS TN 38104 | **SEMS**

EPA ID: TNN000410932
Primary Name(MAP): VETERANS AFFAIRS MEDICAL CENTER
City Name: MEMPHIS
Site Name: VA MEDICAL CENTER
Street Address: 1030 JEFFERSON AVENUE
Street Address 2:
City: MEMPHIS
State: TN
Zip: 38104
County: SHELBY
Latitude: 35.145034
Longitude: -90.043704
Latitude83(CalOES): 35.14246

Pgm Sys ID: TNN000410932
Loc Address(MAP): 1030 JEFFERSON AVE
Postal Code: 38104
County Name: SHELBY
Latitude83: 35.14246
Longitude83: -90.0254
PGM SYS ID(CalOES): TNN000410932
Name(CalOES): VETERANS AFFAIRS MEDICAL CENTER
Loc Addr(CalOES): 1030 JEFFERSON AVE
City(CalOES): MEMPHIS
Postal(CalOES): 38104
County(CalOES): SHELBY
Longitude83(CalOES): -90.0254

Data Source: EPA Superfund Data and Reports Active Site Inventory (List 8R Active);EPA FRS Interests Map - SEMS;CalOES EPA RCRA TSDF Map - SEMS

Site Level Information

Site ID: 0410932
NPL: Not on the NPL
Federal Facility: Yes
FF Docket: Yes
Non NPL Status: Fed Fac Preliminary Assessment Review Start Needed

Superfund Alt Agmt: No
FIPS Code: 47157
Cong District:
Region: 04

Action Information

Operable Units: 00
Action Code: DS
Action Name: DISCVRY

Start Actual: 01/31/2013
Finish Actual: 01/31/2013
Qual:

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

SEQ: 1 **Curr Action Lead:** EPA Perf In-Hse

REST Information

Registry ID: 110009445948
Active Status: NOT ON THE NPL
Key Field: SEMSTNN000410932
Interest Type: SUPERFUND (NON-NPL)
Fed Agency Name:
Fed Facility Code:
EPA Region Code: 04
Pgm Sys Acrnm: SEMS
Accuracy Value: 30
HUC8 Code: 08010210
HUC 12:
Federal Land Ind:
Public Ind: Y
Pgm Report: no data yet
Collect Mth Desc: ADDRESS MATCHING-HOUSE NUMBER
Ref Point Desc: CENTER OF A FACILITY OR STATION
Fac Url: https://ofmpub.epa.gov/frs_public2/fii_query_detail.disp_program_facility?p_registry_id=110009445948
Program Url:
Pgm Report Url: no data yet
Fips Code: 47157

CalOES EPA RCRA TSDF - SEMS

Registry ID: 110009445948
Interest Ttpe: SUPERFUND (NON-NPL)
Active Status: NOT ON THE NPL
Pgm Sys Acrnm: SEMS
Federal Ag:
Federal La:
Fed Facility Cd:
Public Ind: Y
FIPS Code: 47157
HUC8 Code: 08010210
HUC 12:
Collect Method: ADDRESS MATCHING-HOUSE NUMBER
Accuracy Value: 30
Ref Point Desc: CENTER OF A FACILITY OR STATION
EPA Region: 04
Key Field: SEMSTNN000410932
Create Dt: 26-Oct-2021
Update Dt: 24-Nov-2021
Last Reported Dt:
Pgm Report: no data yet
Program Url:
Fac Url: https://ofmpub.epa.gov/frs_public2/fii_query_detail.disp_program_facility?p_registry_id=110009445948

26	3 of 7	SSE	0.42 / 2,230.29	266.52 / 7	VA MEDICAL CENTER 1030 JEFFERSON AVE MEMPHIS TN 38104	BRS

Handler ID: TN0360016166
Receive Date: 20150301
Land Type: F
Land Type Desc: Federal
Fed Waste Generator: 1
State Identification Number:
State Waste Generator: 1
Short Term Generator: No
Mixed Waste Generator: No
Importer Activity: No
Transporter: No
Transfer Facility: No
TSD Activity: No
Recycler Activity: No
HW Report Exempt Status:
HW Report Exmp Stat Dsc:
Source Reduction Activity:
Opportunity Assessment:
Generator Status Owner:
Onsite Burner Exemption: No
Furnace Exemption: No
Undergrnd Injection Activity: No
Off Site Receipt: No
Universal Waste Dest Fac: No
Used Oil Transporter: No
Used Oil Transfer Facility: No
Used Oil Processor: No
Used Oil Refiner: No

Used Oil Burner:	No
Used Oil Market Burner:	No
Used Oil Spec Marketer:	No
Subpart K College:	No
Subpart K Hospital:	No
Subpart K Nonprofit:	No
Subpart K Withdrawal:	No
Include In National Report:	Yes
Submittal Reason:	
Submittal Reason Desc:	
Generator Activity:	
Generator Activity Desc:	
Man Batteries:	
Man Pesticides:	
Man Mercury Equip:	
Man Lamps:	
Source Type:	
Lrg Qntity Gen of Batteries:	
Lrg Qntity Accum of Batter:	
Lrg Qntity Gen of Pesticid:	
Lrg Qntity Accum of Pestic:	
Lrg Qntity Gen of Thermost:	
Lrg Qnt Accum of Thermo:	
Large Qntity Gen of Lamps:	
Large Qntity Accum Lamps:	
Waste Mng Storage Desc:	
Storage Status Owner:	
On-Site Waste Management Status RCRA1:	
Waste Manage Status Dsc:	
Management Status Owner:	
Waste Management Status Storage:	
On-Site Waste Management Status RCRA2:	
Mngmnt Status Owner2:	
Reporting Cycle Year:	
Waste State:	
Waste Region:	
County Code:	TN000
County Name:	OUT-OF-STATE
Location Country:	US
State District:	
Mail Street No:	1030
Mail Street1:	JEFFERSON AVE
Mail Street2:	
Mail City:	MEMPHIS
Mail State:	TN
Mail Zip:	38104
Mail Country:	US
Contact First Name:	SANDY
Contact Middle Initial:	K
Contact Last Name:	DICKEY
Contact Street No:	1030
Contact Street1:	JEFFERSON AVENUE
Contact Street2:	
Contact City:	MEMPHIS
Contact State:	TN
Contact Zip:	38104
Contact Country:	US
Contact Phone:	615-339-3539`
Contact Phone Ext:	
Contact Fax:	901-577-7291
Contact Title:	GEMS PROGRAM MANAGER
Contact Email:	SANDY.DICKEY@VA.GOV
File Name:	Year-2015
Notes:	

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

--Details--

Cert Seq:	1
Cert Signed Date:	20160201
Cert Title:	GEMS PROGRAM MANAGER
Cert First Name:	SANDY
Cert Middle Initial:	D
Cert Last Name:	DICKEY
Rsn for not Generating 1:	
Rsn for not Generating 2:	
Rsn for not Generating 3:	
Rsn for not Generating 4:	
Rsn for not Generating 5:	
Rsn for not Generating 6:	
Rsn for not Generating 7:	
Src Reduction Lmtation 1:	
Src Reduction Lmtation 2:	
Src Reduction Lmtation 3:	
Src Reduction Lmtation 4:	
Src Reduction Lmtation 5:	
Src Reduction Lmtation 6:	
Src Reduction Lmtation 7:	
Src Reduction Lmtation 8:	
Src Reduction Lmtation 9:	
Src Reduction Lmtation10:	
Recycling Limitations 1:	
Recycling Limitations 2:	
Recycling Limitations 3:	
Recycling Limitations 4:	
Recycling Limitations 5:	
Recycling Limitations 6:	
Recycling Limitations 7:	
Recycling Limitations 8:	
Recycling Limitations 9:	
Recycling Limitations 10:	
Recycling Limitations 11:	
Recycling Limitations 12:	
Recycling Limitations 13:	
Recycling Limitations 14:	
Recycling Limitations 15:	

26	*4 of 7*	*SSE*	*0.42 / 2,230.29*	*266.52 / 7*	***VETERANS AFFAIRS MEDICAL CENTER*** ***1030 JEFFERSON AVE*** ***MEMPHIS TN 38104***	*ECHO*

FRS ID:	110009445948	***Facility Latitude:***	35.14246
Fac EPA Region:	04	***Facility Longitude:***	-90.0254
Facility County:	SHELBY		

Facility Details

Major Facility?:		***Air?:***	Yes
Active/Operating?:	Y	***NPDES?:***	No
Compliance Status:	No Violation Identified	***SDWIS?:***	No
Signif Non Compl?:	N	***RCRA?:***	Yes
Programs with SNC:	0	***TRI?:***	No
Qtrs with NC:	6	***GHG?:***	No
3Yr Compliance Hist:	SSSSSS_____	***SIC Codes:***	8062
Formal Action Count:	2	***NAICS Codes:***	622110
Last Formal Action:	02/05/2021	***FIPS Code:***	47157
Last EPA Formal Act:	02/05/2021	***Indian/Tribal?:***	No
Last State Formal Act:	07/06/2011	***Federal ?:***	
Informal Count:	3	***Federal Agency:***	
Last Informal Action:	06/04/2019	***Chesapeake Bay?:***	
Last EPA Informal A:	06/04/2019	***NAA?:***	No
Last State Informal A:	05/24/2019	***Coordinate Method:***	ADDRESS MATCHING-HOUSE NUMBER

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Total Penalties:	85440	**Reference Point:**	CENTER OF A FACILITY OR STATION
Penalty Count:	2	**Accuracy (Meters):**	30
Date of Last Penalty:	02/05/2021	**Inspection Count:**	2
Last Penalty Amount:	42720	**Last Inspection:**	03/26/2019
myRTK Universe:	NNY	**Last EPA Inspection:**	03/26/2019
Dschg Impair Water?:		**Last State Inspection:**	03/26/2019
EJ Screen 80%:	Yes	**Days Last Inspection:**	1279
DFR URL:	http://echo.epa.gov/detailed-facility-report?fid=110009445948		

Clean Air Act (CAA)

High Priorty Viol?:	No	**Evaluation Count:**	
Compliance Status:	No Violation Identified	**Informal Count:**	
Qtrs with NC:	0	**Penalties:**	
Formal Action Cnt:		**Dt of Last Penalty:**	
CAA NAICS:	622110	**Last Penalty Amt:**	
CAA SICS:	8062		
AIR ID(s):	TNSHL0004715700436		
CO2 Releases:	Minor Emissions		
3Yr Compl Qtrs History:	_____		
Date of Last Formal Action:			
Days SInce Last Evaluation:	11625		

Resource Conservation and Recovery Act (RCRA)

RCRA ID(s):	TN0360016166	**Penalties:**	42720
Permit Types:	LQG	**Last Penalty Date:**	02/05/2021
RCRA NAICS:	622110	**Last Penalty Amt:**	42720
Inspection Count:	2	**Qtrs with NC:**	6
Informal Count:	3	**Compliance Status:**	No Violation Identified
Formal Action Cnt:	1	**SNC ?:**	No
Days since Last Evaluation:	1278		
Date of Last Formal Action:	02/05/2021		
3Yr Compl Qtrs History:	SSSSSS_____		

Federal Enforcement and Compliance (FEC)

FEC Case IDS:	04-2008-5250 04-2020-2120
No. of Cases:	1
Last Case Date:	02/05/2021
Total Penalties:	42720

---

26 | ***5 of 7*** | ***SSE*** | ***0.42 / 2,230.29*** | ***266.52 / 7*** | ***MEMPHIS VA MEDICAL CENTER***
1030 JEFFERSON AVENUE
MEMPHIS TN 38104 | ***ECHO***

FRS ID:	110070383112	**Facility Latitude:**	35.14246
Fac EPA Region:	04	**Facility Longitude:**	-90.0254
Facility County:	SHELBY		

Facility Details

Major Facility?:		**Air?:**	No
Active/Operating?:		**NPDES?:**	Yes
Compliance Status:		**SDWIS?:**	No
Signif Non Compl?:	N	**RCRA?:**	No
Programs with SNC:	0	**TRI?:**	No
Qtrs with NC:	0	**GHG?:**	No
3Yr Compliance Hist:	_____U	**SIC Codes:**	
Formal Action Count:	0	**NAICS Codes:**	
Last Formal Action:		**FIPS Code:**	47157
Last EPA Formal Act:		**Indian/Tribal?:**	No
Last State Formal Act:		**Federal ?:**	

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Informal Count:	0	**Federal Agency:**	
Last Informal Action:		**Chesapeake Bay?:**	
Last EPA Informal A:		**NAA?:**	No
Last State Informal A:		**Coordinate Method:**	ADDRESS MATCHING-HOUSE NUMBER
Total Penalties:	0	**Reference Point:**	CENTER OF A FACILITY OR STATION
Penalty Count:		**Accuracy (Meters):**	30
Date of Last Penalty:		**Inspection Count:**	0
Last Penalty Amount:		**Last Inspection:**	
myRTK Universe:	NNN	**Last EPA Inspection:**	
Dschg Impair Water?:	Y	**Last State Inspection:**	
EJ Screen 80%:	Yes	**Days Last Inspection:**	
DFR URL:	http://echo.epa.gov/detailed-facility-report?fid=110070383112		

Clean Water Act (CWA)

NPDES ID(s):	TNR154655	**Penalties:**	
Permit Types:	Minor	**Last Penalty Date:**	
Compliance Trcking:	Off	**Last Penalty Amt:**	
CWA NAICS:		**Qtrs With NC:**	0
CWA SICS:		**Compliance Status:**	Terminated Permit
Inspection Count:		**SNC ?:**	No
Informal Count:		**3Yr QNCR Codes:**	
Formal Action Count:			
Days since Last Inspection:			
Date of Last Formal Action:			
13Qtrs Compl History:	_____U		
13Qtrs Effint Exceedances:			

26	6 of 7	SSE	0.42 / 2,230.29	266.52 / 7	**VA MEDICAL CENTER** **1030 JEFFERSON AVE** **MEMPHIS TN 38104**	**DOCKET HW**

EPA ID:	TNN000410932
Status:	On MDL
Date Added:	11/25/2008
Reporting Mechanism:	RCRA 3010
Agency:	VETERANS ADMINISTRATION
Region:	4

26	7 of 7	SSE	0.42 / 2,230.29	266.52 / 7	**USVA VETERANS ADMIN HOSPITAL** **1030 JEFFERSON AVE** **MEMPHIS TN 38104**	**ECHO**

FRS ID:	110067808206	**Facility Latitude:**	35.14246
Fac EPA Region:	04	**Facility Longitude:**	-90.0254
Facility County:	SHELBY COUNTY		

Facility Details - Data Download

Compliance Status:		**Federal?:**	
Active/Operating:		**Federal Agency Nam:**	
SNC?:	No	**SIC Codes:**	
Qtrs in NC?:		**NAICS Codes:**	
Formal Action Cnt:	0	**EJ Screen 80%:**	7
Last Formal Action:		**Indian/Tribal?:**	N
Informal Count:	0	**Indian/Spatial?:**	No
Total Penalties:	0	**Tile Proxmty NPDES:**	73.4
Penalty Count:		**Tile Proximity NPL:**	87
Dt of Last Penalty:		**Tile Proximity RMP:**	75.6
Last Penalty Amt:		**Tile Proximty TSDF:**	89.5
Inspection Count:	0	**Tile O3:**	78.9
Dt of Last Inspect:		**Tile PM:**	78.6
RMP ID(s):		**Tile PCT Pre 1960:**	86.7

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

EIS ID(s):		**Tile DPM:**	86.5
SEMS IDs:		**Mapped:**	Yes
EPCRA Inspctns 5Yr:		**State County FIPS Cd:**	47157
FIFRA Inspctns 5Yr:		**County [FRS]:**	SHELBY COUNTY
NAA Stndr Classfd as Nonattn:			
NAA Stndr Classfd Maintennc:	Carbon Monoxide (1971); 1-Hour Ozone (1979); 8-Hour Ozone (2008)		
Nonattain Pollutants in NAAs:			
Maintenance Pollutants NAAs:	Carbon Monoxide; Ozone		
Within a Nonattaining NAA:			
Within a Maintenance NAA:	Y		
Date of Last Inspection (EPA):			
Dt Last Inspection(State/Local):			
Days since Last Inspection:			
DFR URL:	https://echo.epa.gov/detailed-facility-report?fid=110067808206		

27	1 of 1	NW	0.43 / 2,261.27	235.06 / -24	**ST. JUDE WAREHOUSE** **DRIVEWAY** **483 NORTH MANASSAS STREET** **MEMPHIS TN 38105**	ECHO

FRS ID:	110070554932	**Facility Latitude:**	35.15355
Fac EPA Region:	04	**Facility Longitude:**	-90.03376
Facility County:	SHELBY		

Facility Details

Major Facility?:		**Air?:**	No
Active/Operating?:		**NPDES?:**	Yes
Compliance Status:		**SDWIS?:**	No
Signif Non Compl?:	N	**RCRA?:**	No
Programs with SNC:	0	**TRI?:**	No
Qtrs with NC:	0	**GHG?:**	No
3Yr Compliance Hist:	_U	**SIC Codes:**	
Formal Action Count:	0	**NAICS Codes:**	
Last Formal Action:		**FIPS Code:**	47157
Last EPA Formal Act:		**Indian/Tribal?:**	No
Last State Formal Act:		**Federal ?:**	
Informal Count:	0	**Federal Agency:**	
Last Informal Action:		**Chesapeake Bay?:**	
Last EPA Informal A:		**NAA?:**	No
Last State Informal A:		**Coordinate Method:**	ADDRESS MATCHING-HOUSE NUMBER
Total Penalties:	0	**Reference Point:**	CENTER OF A FACILITY OR STATION
Penalty Count:		**Accuracy (Meters):**	30
Date of Last Penalty:		**Inspection Count:**	0
Last Penalty Amount:		**Last Inspection:**	
myRTK Universe:	NNN	**Last EPA Inspection:**	
Dschg Impair Water?:	Y	**Last State Inspection:**	
EJ Screen 80%:	Yes	**Days Last Inspection:**	
DFR URL:	http://echo.epa.gov/detailed-facility-report?fid=110070554932		

Clean Water Act (CWA)

NPDES ID(s):	TNR154756	**Penalties:**	
Permit Types:	Minor	**Last Penalty Date:**	
Compliance Trcking:	Off	**Last Penalty Amt:**	
CWA NAICS:		**Qtrs With NC:**	0
CWA SICS:		**Compliance Status:**	Terminated Permit
Inspection Count:		**SNC ?:**	No
Informal Count:		**3Yr QNCR Codes:**	
Formal Action Count:			
Days since Last Inspection:			
Date of Last Formal Action:			
13Qtrs Compl History:	__U		
13Qtrs Effint Exceedances:			

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
28	1 of 1	N	0.43 / 2,269.87	254.93 / -4	HART BILL 974 FAXON MEMPHIS TN 38105	ECHO

FRS ID: 110004971031
Fac EPA Region: 04
Facility County: SHELBY
Facility Latitude: 35.15589
Facility Longitude: -90.0263

Facility Details

Major Facility?:
Active/Operating?:
Compliance Status: No Violation Identified
Signif Non Compl?: N
Programs with SNC: 0
Qtrs with NC: 0
3Yr Compliance Hist: _____
Formal Action Count: 0
Last Formal Action:
Last EPA Formal Act:
Last State Formal Act:
Informal Count: 0
Last Informal Action:
Last EPA Informal A:
Last State Informal A:
Total Penalties: 0
Penalty Count:
Date of Last Penalty:
Last Penalty Amount:
myRTK Universe: NNN
Dschg Impair Water?:
EJ Screen 80%: Yes
DFR URL: http://echo.epa.gov/detailed-facility-report?fid=110004971031

Air?: No
NPDES?: No
SDWIS?: No
RCRA?: Yes
TRI?: No
GHG?: No
SIC Codes:
NAICS Codes: 23332 33711
FIPS Code: 47157
Indian/Tribal?: No
Federal ?:
Federal Agency:
Chesapeake Bay?:
NAA?: No
Coordinate Method: ADDRESS MATCHING-HOUSE NUMBER
Reference Point: CENTER OF A FACILITY OR STATION
Accuracy (Meters): 30
Inspection Count: 0
Last Inspection:
Last EPA Inspection:
Last State Inspection:
Days Last Inspection:

Resource Conservation and Recovery Act (RCRA)

RCRA ID(s): TND061650693
Permit Types: Other
RCRA NAICS: 33711 23332
Inspection Count:
Informal Count:
Formal Action Cnt:
Days since Last Evaluation:
Date of Last Formal Action:
3Yr Compl Qtrs History: _____

Penalties:
Last Penalty Date:
Last Penalty Amt:
Qtrs with NC: 0
Compliance Status: No Violation Identified
SNC ?: No

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
29	1 of 1	NNE	0.43 / 2,282.59	257.23 / -2	AIR MASK SERVICE UNIT 1010 FOXON MEMPHIS TN 38105	LUST

Facility ID: 9791109
Site No: 1
County: Shelby
Case Manager: Chuck Nance
Section: FO
Cause:
Current Status: 1a Completed Tank Closure
Product Released:
CAC Company:
Owner Name: CITY OF MEMPHIS/PROP
Case Description:

Discovery Date:
How Discovered:
Contact Title:
CAC contact:
Owner Contact:

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
30	1 of 7	WSW	0.43 / 2,287.17	268.40 / 9	EXTRA EXPRESS MARKET 777 POPLAR AVE	LUST TRUST

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
					MEMPHIS TN 38105	

Facility ID: 9791539
Case No: 3
Applic No: 11041
Owner ID: 331874
Facility Owner: Samuel, Semert and Tsegay Haile
Status: Closed
Paid Requested: $367,296.85
Paid Net Not Negotiable: $2,217.61
Paid Net Pay: $365,079.24
Paid Deductible: $17,592.40
Paid Payment: $347,486.84
Applied Requested:
Applied Not Negotiable:
Applied Net Pay:
Applied Deductible:
Applied Payment:

30	2 of 7	WSW	0.43 / 2,287.17	268.40 / 9	7-ELEVEN #25559 777 POPLAR AVE MEMPHIS TN	LUST TRUST

Facility ID: 9791539
Case No: 1
Applic No: 93174
Owner ID: 331874
Facility Owner: Samuel, Semert and Tsegay Haile
Status: Closed
Paid Requested: $292,969.14
Paid Net Not Negotiable: $55,719.43
Paid Net Pay: $237,249.71
Paid Deductible: $50,000.00
Paid Payment: $187,249.71
Applied Requested:
Applied Not Negotiable:
Applied Net Pay:
Applied Deductible:
Applied Payment:

30	3 of 7	WSW	0.43 / 2,287.17	268.40 / 9	FLASH MARKET #72 777 POPLAR AVENUE MEMPHIS TN	LUST TRUST

Facility ID: 9791539
Case No: 2
Applic No: 98178
Owner ID: 331874
Facility Owner: Samuel, Semert and Tsegay Haile
Status: Closed
Paid Requested: $202,521.40
Paid Net Not Negotiable: $6,438.46
Paid Net Pay: $196,082.94
Paid Deductible: $20,000.00
Paid Payment: $176,082.98
Applied Requested:
Applied Not Negotiable:
Applied Net Pay:
Applied Deductible:
Applied Payment:

30	4 of 7	WSW	0.43 / 2,287.17	268.40 / 9	FLASH OIL CO #72 777 POPLAR AVE	LUST

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
					MEMPHIS TN 38104	

Facility ID: 9791539
Site No: 1
County: Shelby
Case Manager: Alison Dunehew
Section: FO
Cause: 7 Unknown
Current Status: 8 Case Closed
Product Released:
CAC Company: Groundwater Technology, Inc.
Owner Name: LOEB BROTHERS REALTY
Case Description: See case # 2 ACTIVE-FORMER 7-ELEVEN

Discovery Date: AUG-10-1989
How Discovered: 7 Environmental Audit
Contact Title:
CAC contact:
Owner Contact:

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
30	5 of 7	WSW	0.43 / 2,287.17	268.40 / 9	FLASH OIL CO #72 777 POPLAR AVE MEMPHIS TN 38104	LUST

Facility ID: 9791539
Site No: 2
County: Shelby
Case Manager: Alison Dunehew
Section: FO
Cause: 5 Pipe Failure
Current Status: 8 Case Closed
Product Released:
CAC Company:
Owner Name: LOEB BROTHERS REALTY
Case Description: Former 7-eleven

Discovery Date: MAY-30-1997
How Discovered: 3 On-site Impact
Contact Title:
CAC contact:
Owner Contact:

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
30	6 of 7	WSW	0.43 / 2,287.17	268.40 / 9	FORMER EXTRA EXPRESS MART 777 Poplar Avenue Memphis TN 38104	DELISTED LST

Delisted Leaking Storage Tanks

Facility ID: 9791539
Applic No 1:
Case No:
Site No: 4
Status:
Cause: -
Discovery Date: -
How Discovered:
Priority:
Product Released: -
Case Manager:
Section:
Paid Requested:
Pay Not Negotiable:
Paid Net Pay:
Paid Deductable:
Paid Payment:
Applied Requested:
App Not Negotiable:
Applied Net Pay:
Appl Deductable:
Applied Payment:
Case Description: -
Original Source: LUST
Record Date: 07-NOV-2017

County: Shelby
Facility Owner:
Owner ID:
Owner Name: Flash Oil Company of Arkansas
Owner Addr 1:
Owner Addr 2:
Owner City:
Owner State:
Owner Zip:
Owner Phone:
Contact:
Contact Title:
Contact Addr 1:
Contact Addr 2:
Contact City:
Contact State:
Contact Zip:
Contact Phone:
Type:
Type CAC:
CAC Company: -
CAC Contact:

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
30	7 of 7	WSW	0.43 / 2,287.17	268.40 / 9	EXTRA SEVEN ELEVEN, INC. 777 Poplar Avenue Memphis TN 38104	LUST

Facility ID: 9791539
Site No: 3
County: Shelby
Case Manager: Karim Bouzeid
Section: FO
Cause:
Current Status: 8 Case Closed
Product Released: Gasoline
CAC Company: SEMS, Inc.
Owner Name:
Case Description: dispenser replacement

Discovery Date: MAY-04-2011
How Discovered: 8 Other
Contact Title:
CAC contact: Steve Murphy
Owner Contact:

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
31	1 of 1	SW	0.44 / 2,317.57	270.59 / 11	BLAIR TOWER APARTMENTS 810 WASHINGTON MEMPHIS TN 38105	ECHO

FRS ID: 110028114555
Fac EPA Region: 04
Facility County: SHELBY

Facility Latitude: 35.14463
Facility Longitude: -90.03365

Facility Details - Data Download

Compliance Status:
Active/Operating:
SNC?: No
Qtrs in NC?:
Formal Action Cnt: 0
Last Formal Action:
Informal Count: 0
Total Penalties: 0
Penalty Count:
Dt of Last Penalty:
Last Penalty Amt:
Inspection Count: 0
Dt of Last Inspect:
RMP ID(s):
EIS ID(s):
SEMS IDs:
EPCRA Inspctns 5Yr:
FIFRA Inspctns 5Yr:
NAA Stndr Classfd as Nonattn:
NAA Stndr Classfd Maintennc: Carbon Monoxide (1971); 1-Hour Ozone (1979); 8-Hour Ozone (2008)
Nonattain Pollutants in NAAs:
Maintenance Pollutants NAAs: Carbon Monoxide; Ozone
Within a Nonattaining NAA:
Within a Maintenance NAA: Y
Date of Last Inspection (EPA):
Dt Last Inspection(State/Local):
Days since Last Inspection:
DFR URL: https://echo.epa.gov/detailed-facility-report?fid=110028114555

Federal?:
Federal Agency Nam:
SIC Codes:
NAICS Codes:
EJ Screen 80%: 10
Indian/Tribal?: N
Indian/Spatial?: No
Tile Proxmty NPDES: 85.4
Tile Proximity NPL: 90.5
Tile Proximity RMP: 75
Tile Proximty TSDF: 88.5
Tile O3: 86.9
Tile PM: 86.4
Tile PCT Pre 1960: 89.9
Tile DPM: 92.5
Mapped: Yes
State County FIPS Cd: 47157
County [FRS]: SHELBY COUNTY

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
32	1 of 2	SW	0.44 / 2,339.42	272.91 / 13	LEBONHEUR CHILDREN'S MEDICAL CENTER 848 ADAMS AVENUE MEMPHIS TN 38103	ECHO

FRS ID: 110001859551
Fac EPA Region: 04
Facility County: SHELBY

Facility Latitude: 35.14353
Facility Longitude: -90.03245

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Facility Details

Major Facility?:		***Air?:***	Yes
Active/Operating?:	Y	***NPDES?:***	No
Compliance Status:	No Violation Identified	***SDWIS?:***	No
Signif Non Compl?:	N	***RCRA?:***	No
Programs with SNC:	0	***TRI?:***	No
Qtrs with NC:	0	***GHG?:***	No
3Yr Compliance Hist:	_____	***SIC Codes:***	8069
Formal Action Count:	0	***NAICS Codes:***	999999
Last Formal Action:		***FIPS Code:***	47157
Last EPA Formal Act:		***Indian/Tribal?:***	No
Last State Formal Act:		***Federal ?:***	
Informal Count:	0	***Federal Agency:***	
Last Informal Action:		***Chesapeake Bay?:***	
Last EPA Informal A:		***NAA?:***	No
Last State Informal A:		***Coordinate Method:***	ADDRESS MATCHING-HOUSE NUMBER
Total Penalties:	0	***Reference Point:***	CENTER OF A FACILITY OR STATION
Penalty Count:		***Accuracy (Meters):***	30
Date of Last Penalty:		***Inspection Count:***	0
Last Penalty Amount:		***Last Inspection:***	
myRTK Universe:	NNN	***Last EPA Inspection:***	
Dschg Impair Water?:		***Last State Inspection:***	
EJ Screen 80%:	Yes	***Days Last Inspection:***	
DFR URL:	http://echo.epa.gov/detailed-facility-report?fid=110001859551		

Clean Air Act (CAA)

High Priorty Viol?:	No	***Evaluation Count:***	
Compliance Status:	No Violation Identified	***Informal Count:***	
Qtrs with NC:	0	***Penalties:***	
Formal Action Cnt:		***Dt of Last Penalty:***	
CAA NAICS:	999999	***Last Penalty Amt:***	
CAA SICS:	8069		
AIR ID(s):	TNSHL0004715700649		
CO2 Releases:	Minor Emissions		
3Yr Compl Qtrs History:	_____		
Date of Last Formal Action:			
Days SInce Last Evaluation:			

32	*2 of 2*	*SW*	*0.44 / 2,339.42*	*272.91 / 13*	***METHODIST LEBONHEUR PEDIATRIC CVICU EXPANSION 848 ADAMS AVE. MEMPHIS TN 38104***	***ECHO***

FRS ID:	110070792825	***Facility Latitude:***	35.1449
Fac EPA Region:	04	***Facility Longitude:***	-90.0325
Facility County:	SHELBY		

Facility Details

Major Facility?:		***Air?:***	No
Active/Operating?:	Y	***NPDES?:***	Yes
Compliance Status:	No Violation Identified	***SDWIS?:***	No
Signif Non Compl?:	N	***RCRA?:***	No
Programs with SNC:	0	***TRI?:***	No
Qtrs with NC:	0	***GHG?:***	No
3Yr Compliance Hist:	_____	***SIC Codes:***	
Formal Action Count:	0	***NAICS Codes:***	
Last Formal Action:		***FIPS Code:***	47157
Last EPA Formal Act:		***Indian/Tribal?:***	No
Last State Formal Act:		***Federal ?:***	
Informal Count:	0	***Federal Agency:***	
Last Informal Action:		***Chesapeake Bay?:***	
Last EPA Informal A:		***NAA?:***	No

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Last State Informal A:		**Coordinate Method:**	UNKNOWN
Total Penalties:	0	**Reference Point:**	
Penalty Count:		**Accuracy (Meters):**	34830
Date of Last Penalty:		**Inspection Count:**	0
Last Penalty Amount:		**Last Inspection:**	
myRTK Universe:	NNN	**Last EPA Inspection:**	
Dschg Impair Water?:	Y	**Last State Inspection:**	
EJ Screen 80%:	Yes	**Days Last Inspection:**	
DFR URL:	http://echo.epa.gov/detailed-facility-report?fid=110070792825		

Clean Water Act (CWA)

NPDES ID(s):	TNR154918	**Penalties:**	
Permit Types:	Minor	**Last Penalty Date:**	
Compliance Trcking:	On	**Last Penalty Amt:**	
CWA NAICS:		**Qtrs With NC:**	0
CWA SICS:		**Compliance Status:**	No Violation Identified
Inspection Count:		**SNC ?:**	No
Informal Count:		**3Yr QNCR Codes:**	
Formal Action Count:			
Days since Last Inspection:			
Date of Last Formal Action:			
13Qtrs Compl History:	_____		
13Qtrs Effint Exceedances:			

33	*1 of 1*	*NW*	*0.45 / 2,364.52*	*235.33 / -24*	***CUSTOM CRAFT FURNITURE CO**** ***750 GALLOWAY*** ***MEMPHIS TN 38105***	***ECHO***

FRS ID:	110004975215	**Facility Latitude:**	35.153888
Fac EPA Region:	04	**Facility Longitude:**	-90.032961
Facility County:	SHELBY		

Facility Details

Major Facility?:		**Air?:**	No
Active/Operating?:		**NPDES?:**	No
Compliance Status:	No Violation Identified	**SDWIS?:**	No
Signif Non Compl?:	N	**RCRA?:**	Yes
Programs with SNC:	0	**TRI?:**	No
Qtrs with NC:	0	**GHG?:**	No
3Yr Compliance Hist:	_____	**SIC Codes:**	
Formal Action Count:	0	**NAICS Codes:**	337121
Last Formal Action:		**FIPS Code:**	47157
Last EPA Formal Act:		**Indian/Tribal?:**	No
Last State Formal Act:		**Federal ?:**	
Informal Count:	0	**Federal Agency:**	
Last Informal Action:		**Chesapeake Bay?:**	
Last EPA Informal A:		**NAA?:**	No
Last State Informal A:		**Coordinate Method:**	ADDRESS MATCHING-HOUSE NUMBER
Total Penalties:	0	**Reference Point:**	ENTRANCE POINT OF A FACILITY OR STATION
Penalty Count:		**Accuracy (Meters):**	50
Date of Last Penalty:		**Inspection Count:**	0
Last Penalty Amount:		**Last Inspection:**	
myRTK Universe:	NNN	**Last EPA Inspection:**	
Dschg Impair Water?:		**Last State Inspection:**	
EJ Screen 80%:	Yes	**Days Last Inspection:**	
DFR URL:	http://echo.epa.gov/detailed-facility-report?fid=110004975215		

Resource Conservation and Recovery Act (RCRA)

RCRA ID(s):	TND073527582	**Penalties:**	
Permit Types:	Other	**Last Penalty Date:**	
RCRA NAICS:	337121	**Last Penalty Amt:**	

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Inspection Count:		**Qtrs with NC:**	0
Informal Count:		**Compliance Status:**	No Violation Identified
Formal Action Cnt:		**SNC ?:**	No
Days since Last Evaluation:			
Date of Last Formal Action:			
3Yr Compl Qtrs History:	_____		

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
34	1 of 1	S	0.46 / 2,431.26	259.31 / 0	HOSPITAL WING UNKNOWN MEMPHIS TN 00000	ECHO

FRS ID:	110041612699	**Facility Latitude:**	35.1418
Fac EPA Region:	04	**Facility Longitude:**	-90.0268
Facility County:	SHELBY		

Facility Details - Data Download

Compliance Status:		**Federal?:**	
Active/Operating:		**Federal Agency Nam:**	
SNC?:	No	**SIC Codes:**	
Qtrs in NC?:		**NAICS Codes:**	48811
Formal Action Cnt:	0	**EJ Screen 80%:**	7
Last Formal Action:		**Indian/Tribal?:**	N
Informal Count:	0	**Indian/Spatial?:**	No
Total Penalties:	0	**Tile Proxmty NPDES:**	73.4
Penalty Count:		**Tile Proximity NPL:**	87
Dt of Last Penalty:		**Tile Proximity RMP:**	75.6
Last Penalty Amt:		**Tile Proximty TSDF:**	89.5
Inspection Count:	0	**Tile O3:**	78.9
Dt of Last Inspect:		**Tile PM:**	78.6
RMP ID(s):		**Tile PCT Pre 1960:**	86.7
EIS ID(s):	12001111	**Tile DPM:**	86.5
SEMS IDs:		**Mapped:**	Yes
EPCRA Inspctns 5Yr:		**State County FIPS Cd:**	47157
FIFRA Inspctns 5Yr:		**County [FRS]:**	SHELBY COUNTY

NAA Stndr Classfd as Nonattn:	
NAA Stndr Classfd Maintennc:	Carbon Monoxide (1971); 1-Hour Ozone (1979); 8-Hour Ozone (2008)
Nonattain Pollutants in NAAs:	
Maintenance Pollutants NAAs:	Carbon Monoxide; Ozone
Within a Nonattaining NAA:	
Within a Maintenance NAA:	Y
Date of Last Inspection (EPA):	
Dt Last Inspection(State/Local):	
Days since Last Inspection:	
DFR URL:	https://echo.epa.gov/detailed-facility-report?fid=110041612699

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
35	1 of 1	SW	0.46 / 2,443.93	265.67 / 6	THE MED ADAM'S BUILDING 842 JEFFERSON AVENUE Memphis TN 38103	LUST

Facility ID:	9792354	**Discovery Date:**	NOV-01-1999
Site No:	1	**How Discovered:**	1 At Closure
County:	Shelby	**Contact Title:**	
Case Manager:	Jeff Phillips	**CAC contact:**	
Section:	FO	**Owner Contact:**	
Cause:	8 Other		
Current Status:	8 Case Closed		
Product Released:			
CAC Company:			
Owner Name:	REGIONAL MEDICAL CENTER MEMPHIS		
Case Description:	Tank Closure		

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
36	1 of 6	WSW	0.47 / 2,463.30	270.74 / 11	AUTO-CHLOR, INC. 746 POPLAR AVENUE	SRP

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
					MEMPHIS TN	

DOR Site ID: SRS791083
Status: CLOSED
EPA Facility ID: TNR000025551
EPA Registry ID: 110033623238
Delisted:
Promulgated Date:
DOR EFO: MEMPHIS
Program: VOLUNTARY
County: SHELBY
Latitude: 35.146514
Longitude: -90.03565
Acres: 4.23

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36 | 2 of 6 | WSW | 0.47 / 2,463.30 | 270.74 / 11 | AUTO CLOR SYSTEM
746 POPLAR AVE
MEMPHIS TN 38105 | LUST

Facility ID: 9790057
Site No: 1
County: Shelby
Case Manager: David Groce
Section: FO
Cause:
Current Status: 1a Completed Tank Closure
Product Released:
CAC Company:
Owner Name: AUTO CHLOR SYSTEM
Case Description: closed
Discovery Date:
How Discovered:
Contact Title:
CAC contact:
Owner Contact:

---

36 | 3 of 6 | WSW | 0.47 / 2,463.30 | 270.74 / 11 | JOHNSONDIVERSEY, INC.
746 POPLAR AVENUE
MEMPHIS TN 38105 | ECHO

FRS ID: 110033623238
Fac EPA Region: 04
Facility County: SHELBY
Facility Latitude: 35.14598
Facility Longitude: -90.03518

Facility Details

Major Facility?:
Active/Operating?:
Compliance Status: No Violation Identified
Signif Non Compl?: N
Programs with SNC: 0
Qtrs with NC: 0
3Yr Compliance Hist: _____
Formal Action Count: 0
Last Formal Action:
Last EPA Formal Act:
Last State Formal Act:
Informal Count: 0
Last Informal Action:
Last EPA Informal A:
Last State Informal A:
Total Penalties: 0
Penalty Count:
Date of Last Penalty:
Last Penalty Amount:
myRTK Universe: NNN
Dschg Impair Water?:
EJ Screen 80%: Yes
DFR URL: http://echo.epa.gov/detailed-facility-report?fid=110033623238
Air?: No
NPDES?: No
SDWIS?: No
RCRA?: Yes
TRI?: No
GHG?: No
SIC Codes:
NAICS Codes: 42469
FIPS Code: 47157
Indian/Tribal?: No
Federal ?:
Federal Agency:
Chesapeake Bay?:
NAA?: No
Coordinate Method: ADDRESS MATCHING-HOUSE NUMBER
Reference Point: CENTER OF A FACILITY OR STATION
Accuracy (Meters): 30
Inspection Count: 0
Last Inspection: 02/06/2009
Last EPA Inspection:
Last State Inspection: 02/06/2009
Days Last Inspection: 4979

Resource Conservation and Recovery Act (RCRA)

RCRA ID(s): TNR000025551
Penalties:

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Permit Types:	Other	**Last Penalty Date:**	
RCRA NAICS:	42469	**Last Penalty Amt:**	
Inspection Count:		**Qtrs with NC:**	0
Informal Count:		**Compliance Status:**	No Violation Identified
Formal Action Cnt:		**SNC ?:**	No
Days since Last Evaluation:	4978		
Date of Last Formal Action:			
3Yr Compl Qtrs History:	_____		

36	4 of 6	WSW	0.47 / 2,463.30	270.74 / 11	AUTO-CHLOR 746 POPLAR AVENUE MEMPHIS TN	VCP

Site ID:	79774	**Program:**	VOLUNTARY
EPA Facility ID:	TNR000025551	**EFO:**	CENTRAL OFFICE
EPA Registry ID:	110033623238	**County:**	SHELBY
Status:	CLOSED	**Latitude:**	35.146514
Acres:	4.23	**Longitude:**	-90.03565

36	5 of 6	WSW	0.47 / 2,463.30	270.74 / 11	AUTO-CHLOR, INC. 746 POPLAR AVENUE MEMPHIS TN	VCP

Site ID:	SRS791083	**Program:**	VOLUNTARY
EPA Facility ID:	TNR000025551	**EFO:**	MEMPHIS
EPA Registry ID:	110033623238	**County:**	SHELBY
Status:	CLOSED	**Latitude:**	35.146514
Acres:	4.23	**Longitude:**	-90.03565

36	6 of 6	WSW	0.47 / 2,463.30	270.74 / 11	AUTO-CHLOR SYSTEM LLC 746 POPLAR AVE MEMPHIS TN 38105	ECHO

FRS ID:	110070319396	**Facility Latitude:**	35.14598
Fac EPA Region:	04	**Facility Longitude:**	-90.03518
Facility County:			

Facility Details - Data Download

Compliance Status:		**Federal?:**	
Active/Operating:		**Federal Agency Nam:**	
SNC?:	No	**SIC Codes:**	
Qtrs in NC?:		**NAICS Codes:**	
Formal Action Cnt:	0	**EJ Screen 80%:**	10
Last Formal Action:		**Indian/Tribal?:**	N
Informal Count:	0	**Indian/Spatial?:**	No
Total Penalties:	0	**Tile Proxmty NPDES:**	85.4
Penalty Count:		**Tile Proximity NPL:**	90.5
Dt of Last Penalty:		**Tile Proximity RMP:**	75
Last Penalty Amt:		**Tile Proximty TSDF:**	88.5
Inspection Count:	0	**Tile O3:**	86.9
Dt of Last Inspect:		**Tile PM:**	86.4
RMP ID(s):		**Tile PCT Pre 1960:**	89.9
EIS ID(s):		**Tile DPM:**	92.5
SEMS IDs:		**Mapped:**	Yes
EPCRA Inspctns 5Yr:		**State County FIPS Cd:**	47157
FIFRA Inspctns 5Yr:		**County [FRS]:**	SHELBY COUNTY
NAA Stndr Classfd as Nonattn:			
NAA Stndr Classfd Maintennc:	Carbon Monoxide (1971); 1-Hour Ozone (1979); 8-Hour Ozone (2008)		
Nonattain Pollutants in NAAs:			
Maintenance Pollutants NAAs:	Carbon Monoxide; Ozone		
Within a Nonattaining NAA:			
Within a Maintenance NAA:	Y		

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Date of Last Inspection (EPA):
Dt Last Inspection(State/Local):
Days since Last Inspection:
DFR URL: https://echo.epa.gov/detailed-facility-report?fid=110070319396

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37 | **1 of 1** | **SW** | **0.47 / 2,470.17** | **264.75 / 5** | **REGIONAL MEDICAL CENTER @ MEMPHIS**
877 JEFFERSON AVENUE
MEMPHIS TN 38103 | **ECHO**

FRS ID:	110004982877	**Facility Latitude:**	35.14263
Fac EPA Region:	04	**Facility Longitude:**	-90.03166
Facility County:	SHELBY		

Facility Details

Major Facility?:		**Air?:**	No
Active/Operating?:	Y	**NPDES?:**	No
Compliance Status:	No Violation Identified	**SDWIS?:**	No
Signif Non Compl?:	N	**RCRA?:**	Yes
Programs with SNC:	0	**TRI?:**	No
Qtrs with NC:	0	**GHG?:**	No
3Yr Compliance Hist:	_____	**SIC Codes:**	
Formal Action Count:	0	**NAICS Codes:**	621511
Last Formal Action:		**FIPS Code:**	47157
Last EPA Formal Act:		**Indian/Tribal?:**	No
Last State Formal Act:		**Federal ?:**	
Informal Count:	0	**Federal Agency:**	
Last Informal Action:		**Chesapeake Bay?:**	
Last EPA Informal A:		**NAA?:**	No
Last State Informal A:		**Coordinate Method:**	ADDRESS MATCHING-HOUSE NUMBER
Total Penalties:	0	**Reference Point:**	ENTRANCE POINT OF A FACILITY OR STATION
Penalty Count:		**Accuracy (Meters):**	50
Date of Last Penalty:		**Inspection Count:**	0
Last Penalty Amount:		**Last Inspection:**	02/07/1986
myRTK Universe:	NNN	**Last EPA Inspection:**	
Dschg Impair Water?:		**Last State Inspection:**	02/07/1986
EJ Screen 80%:	Yes	**Days Last Inspection:**	13379

DFR URL: http://echo.epa.gov/detailed-facility-report?fid=110004982877

Resource Conservation and Recovery Act (RCRA)

RCRA ID(s):	TND981027816	**Penalties:**	
Permit Types:	VSQG	**Last Penalty Date:**	
RCRA NAICS:	621511	**Last Penalty Amt:**	
Inspection Count:		**Qtrs with NC:**	0
Informal Count:		**Compliance Status:**	No Violation Identified
Formal Action Cnt:		**SNC ?:**	No
Days since Last Evaluation:	13378		
Date of Last Formal Action:			
3Yr Compl Qtrs History:	_____		

---

38 | **1 of 1** | **SW** | **0.48 / 2,530.64** | **275.74 / 16** | **Le Bonhuer Faculty Office Building**
824 Adams St.
Memphis TN | **LUST**

Facility ID:	9799039	**Discovery Date:**	
Site No:	1	**How Discovered:**	7 Environmental Audit
County:	Shelby	**Contact Title:**	
Case Manager:	Jarrod Slaughter	**CAC contact:**	
Section:	FO	**Owner Contact:**	
Cause:			

Current Status: 1a Completed Tank Closure

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Product Released:
CAC Company:
Owner Name:
Case Description: Case Closed

---

39 ***1 of 2*** ***WSW*** ***0.48 / 2,544.72*** ***271.30 / 12*** ***AUTO-CHLOR SYSTEM***
745 POPLAR AVE
MEMPHIS TN 38105 ***ECHO***

FRS ID:	110013323607	***Facility Latitude:***	35.146135
Fac EPA Region:	04	***Facility Longitude:***	-90.035685
Facility County:	SHELBY		

Facility Details

Major Facility?:		***Air?:***	No
Active/Operating?:		***NPDES?:***	No
Compliance Status:	No Violation Identified	***SDWIS?:***	No
Signif Non Compl?:	N	***RCRA?:***	Yes
Programs with SNC:	0	***TRI?:***	No
Qtrs with NC:	0	***GHG?:***	No
3Yr Compliance Hist:	_____	***SIC Codes:***	
Formal Action Count:	0	***NAICS Codes:***	332999
Last Formal Action:		***FIPS Code:***	47157
Last EPA Formal Act:		***Indian/Tribal?:***	No
Last State Formal Act:		***Federal ?:***	
Informal Count:	0	***Federal Agency:***	
Last Informal Action:		***Chesapeake Bay?:***	
Last EPA Informal A:		***NAA?:***	No
Last State Informal A:		***Coordinate Method:***	ADDRESS MATCHING-HOUSE NUMBER
Total Penalties:	0	***Reference Point:***	ENTRANCE POINT OF A FACILITY OR STATION
Penalty Count:		***Accuracy (Meters):***	50
Date of Last Penalty:		***Inspection Count:***	0
Last Penalty Amount:		***Last Inspection:***	
myRTK Universe:	NNN	***Last EPA Inspection:***	
Dschg Impair Water?:		***Last State Inspection:***	
EJ Screen 80%:	Yes	***Days Last Inspection:***	

DFR URL: http://echo.epa.gov/detailed-facility-report?fid=110013323607

Resource Conservation and Recovery Act (RCRA)

RCRA ID(s):	TND007019482	***Penalties:***	
Permit Types:	Other	***Last Penalty Date:***	
RCRA NAICS:	332999	***Last Penalty Amt:***	
Inspection Count:		***Qtrs with NC:***	0
Informal Count:		***Compliance Status:***	No Violation Identified
Formal Action Cnt:		***SNC ?:***	No
Days since Last Evaluation:			
Date of Last Formal Action:			
3Yr Compl Qtrs History:	_____		

---

39 ***2 of 2*** ***WSW*** ***0.48 / 2,544.72*** ***271.30 / 12*** ***MORRIS PARK IMPROVEMENTS***
747 POPLAR
MEMPHIS TN 38105 ***ECHO***

FRS ID:	110071145167	***Facility Latitude:***	35.145592
Fac EPA Region:	04	***Facility Longitude:***	-90.036003
Facility County:	SHELBY		

Facility Details

Major Facility?:		***Air?:***	No

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Active/Operating?:		**NPDES?:**	Yes
Compliance Status:	No Violation Identified	**SDWIS?:**	No
Signif Non Compl?:	N	**RCRA?:**	No
Programs with SNC:	0	**TRI?:**	No
Qtrs with NC:	0	**GHG?:**	No
3Yr Compliance Hist:	_____	**SIC Codes:**	
Formal Action Count:	0	**NAICS Codes:**	
Last Formal Action:		**FIPS Code:**	47157
Last EPA Formal Act:		**Indian/Tribal?:**	No
Last State Formal Act:		**Federal ?:**	
Informal Count:	0	**Federal Agency:**	
Last Informal Action:		**Chesapeake Bay?:**	
Last EPA Informal A:		**NAA?:**	No
Last State Informal A:		**Coordinate Method:**	UNKNOWN
Total Penalties:	0	**Reference Point:**	
Penalty Count:		**Accuracy (Meters):**	17450
Date of Last Penalty:		**Inspection Count:**	0
Last Penalty Amount:		**Last Inspection:**	
myRTK Universe:	NNN	**Last EPA Inspection:**	
Dschg Impair Water?:	Y	**Last State Inspection:**	
EJ Screen 80%:	Yes	**Days Last Inspection:**	

DFR URL: http://echo.epa.gov/detailed-facility-report?fid=110071145167

Clean Water Act (CWA)

NPDES ID(s):	TNR155143	**Penalties:**	
Permit Types:	Minor	**Last Penalty Date:**	
Compliance Trcking:	Off	**Last Penalty Amt:**	
CWA NAICS:		**Qtrs With NC:**	0
CWA SICS:		**Compliance Status:**	No Violation Identified
Inspection Count:		**SNC ?:**	No
Informal Count:		**3Yr QNCR Codes:**	
Formal Action Count:			
Days since Last Inspection:			
Date of Last Formal Action:			
13Qtrs Compl History:	_____		
13Qtrs Effint Exceedances:			

Unplottable Summary

Total: 7 Unplottable sites

DB	Company Name/Site Name	Address	City	Zip	ERIS ID
CERCLIS	WEAKLEY SUBDIVISION	NORTH END OF DECATUR ST ***Site EPA ID:*** TND980838585	MEMPHIS TN	38107	805435076
CERCLIS NFRAP	WEAKLEY SUBDIVISION	NORTH END OF DECATUR ST ***Site EPA ID:*** TND980838585	MEMPHIS TN	38107	805470651
ECHO	TDOT - PIN 118737.00 I-240; 4 OVERHEAD BRIDGES	I-240, SR-57 (POPLAR AVE), AND PARK AVE. ***FRS ID:*** 110070134927	MEMPHIS TN	38119	870189497
REMEDIATION	EPIC SITE-17 WEAKLEY SUB.	DECATUR ST	MEMPHIS TN		874036972
SEMS ARCHIVE	WEAKLEY SUBDIVISION	NORTH END OF DECATUR ST ***EPA ID:*** TND980838585	MEMPHIS TN	38107	828880524
SPILLS		I-40 E MM 26 APX ***Incident NO | Date Closed:*** 200400-1991 |	TN		818997877
SPILLS		I-40 west mm 6 ***Incident NO | Date Closed:*** IR2014-5955 | 07-Jan-14	MEMPHIS TN		818996635

Unplottable Report

Site: ***WEAKLEY SUBDIVISION***
NORTH END OF DECATUR ST MEMPHIS TN 38107

CERCLIS

Site ID:	0404016	***RNPL Status Code:***	N
Site EPA ID:	TND980838585	***NPL Status:***	Not on the NPL
Site Street Address 2:		***RFED Facility Code:***	N
Site County Name:	SHELBY	***RFED Facility Desc:***	Not a Federal Facility
Site FIPS Code:	47157	***USGS Hydro Unit No.:***	08010210
Region Code:	04	***Site Cong. Dist. Code:***	09
Site SMSA No.:	4920	***ROT Desc:***	Other
Site Prim. Latitude:	35D08M23S	***FR NPL Update No.:***	
Site Prim. Longitude:	090D01M27S	***RFRA Code:***	
Lat Long Source:			

RNON NPL Status Desc: NFRAP-Site does not qualify for the NPL based on existing information

CERCLIS Assess History

OU ID:	00	***RALT Short Name:***	State (Fund)
Act Code ID:	001	***Act Start Date:***	
RAT Code:	PA	***Act Complete Date:***	8/27/1986 00:00:00
RAT Short Name:	PA	***AGT Order No.:***	130
RAT Name:	PRELIMINARY ASSESSMENT	***SH OU:***	
RAT Hist. Only Flag:		***SH Code:***	
RAT NSI Indicator:	B	***SH Seq:***	
RAT Level:	1	***SH Start Date:***	
RAT DEF OU:	00	***SH Complete Date:***	
RFBS Code:	P	***SH Lead:***	
SPA Code:	13		

RAT Def: Collection of diverse existing information about the source and nature of the site hazard. It is EPA policy to complete the preliminary assessment within one year of site discovery.

Site Desc:
Site Alias:

CERCLIS Assess History

OU ID:	00	***RALT Short Name:***	EPA Fund
Act Code ID:	001	***Act Start Date:***	
RAT Code:	DS	***Act Complete Date:***	12/1/1979 00:00:00
RAT Short Name:	DISCVRY	***AGT Order No.:***	10
RAT Name:	DISCOVERY	***SH OU:***	
RAT Hist. Only Flag:		***SH Code:***	
RAT NSI Indicator:	B	***SH Seq:***	
RAT Level:	1	***SH Start Date:***	
RAT DEF OU:	00	***SH Complete Date:***	
RFBS Code:		***SH Lead:***	
SPA Code:	13		

RAT Def: The process by which a potential hazardous waste site is brought to the attention of the EPA. The process can occur through the use of several mechanisms such as a phone call or referral by another government agency.

Site Desc:
Site Alias:

CERCLIS Assess History

OU ID:	00	***RALT Short Name:***	EPA In-House
Act Code ID:	001	***Act Start Date:***	
RAT Code:	VS	***Act Complete Date:***	8/27/1986 00:00:00
RAT Short Name:	ARCH SITE	***AGT Order No.:***	1500
RAT Name:	ARCHIVE SITE	***SH OU:***	
RAT Hist. Only Flag:		***SH Code:***	

RAT NSI Indicator:	B	***SH Seq:***	
RAT Level:	1	***SH Start Date:***	
RAT DEF OU:	00	***SH Complete Date:***	
RFBS Code:		***SH Lead:***	
SPA Code:	13		
RAT Def:	The decision is made that no further activity is planned at the site.		
Site Desc:			
Site Alias:			

CERCLIS Assess History

OU ID:	00	***RALT Short Name:***	
Act Code ID:		***Act Start Date:***	
RAT Code:		***Act Complete Date:***	
RAT Short Name:		***AGT Order No.:***	0
RAT Name:		***SH OU:***	
RAT Hist. Only Flag:		***SH Code:***	
RAT NSI Indicator:		***SH Seq:***	
RAT Level:		***SH Start Date:***	
RAT DEF OU:		***SH Complete Date:***	
RFBS Code:		***SH Lead:***	
SPA Code:			
RAT Def:			
Site Desc:	No description available .		
Site Alias:	WEAKLEY SUBDIVISION,,SHELBY,TN,;		

Site: ***WEAKLEY SUBDIVISION***
NORTH END OF DECATUR ST MEMPHIS TN 38107

CERCLIS NFRAP

Site ID:	404016	***Site FIPS Code:***	47157
Site EPA ID:	TND980838585	***Region Code:***	4
Site Parent ID:		***Site Cong. Dist. Code:***	9
Site County Name:	SHELBY	***Federal Facility:***	
Parent Site Name:			

CERCLIS-NFRAP Assess History

OU ID:	0	***Act Start Date:***	
Act Code ID:	1	***Act Complete Date:***	8/27/1986
RAT Code:	VS	***AGT Order No.:***	1500
RAT Short Name:	ARCH SITE	***SH OU:***	
RAT Name:	ARCHIVE SITE	***SH Code:***	
RAT Hist. Only Flag:		***SH Seq:***	
RAT NSI Indicator:	B	***SH Start Date:***	
RAT Level:	1	***SH Complete Date:***	
RAT DEF OU:	00	***SH Lead:***	
RFBS Code:		***SH Qual:***	
SPA Code:	13	***RAQ Act. Qual Short:***	
RALT Short Name:	EPA In-House	***RNPL Status Code:***	N
RAT Def:	The decision is made that no further activity is planned at the site.		
RNON NPL Status Desc:	NFRAP-Site does not qualify for the NPL based on existing information		

CERCLIS-NFRAP Assess History

OU ID:	0	***Act Start Date:***	
Act Code ID:	1	***Act Complete Date:***	12/1/1979
RAT Code:	DS	***AGT Order No.:***	10
RAT Short Name:	DISCVRY	***SH OU:***	
RAT Name:	DISCOVERY	***SH Code:***	
RAT Hist. Only Flag:		***SH Seq:***	
RAT NSI Indicator:	B	***SH Start Date:***	
RAT Level:	1	***SH Complete Date:***	
RAT DEF OU:	00	***SH Lead:***	
RFBS Code:		***SH Qual:***	
SPA Code:	13	***RAQ Act. Qual Short:***	
RALT Short Name:	EPA Fund	***RNPL Status Code:***	N
RAT Def:	The process by which a potential hazardous waste site is brought to the attention of the EPA. The process can		

occur through the use of several mechanisms such as a phone call or referral by another government agency.

RNON NPL Status Desc: NFRAP-Site does not qualify for the NPL based on existing information

CERCLIS-NFRAP Assess History

OU ID:	0	***Act Start Date:***	
Act Code ID:	1	***Act Complete Date:***	8/27/1986
RAT Code:	PA	***AGT Order No.:***	130
RAT Short Name:	PA	***SH OU:***	
RAT Name:	PRELIMINARY ASSESSMENT	***SH Code:***	
RAT Hist. Only Flag:		***SH Seq:***	
RAT NSI Indicator:	B	***SH Start Date:***	
RAT Level:	1	***SH Complete Date:***	
RAT DEF OU:	00	***SH Lead:***	
RFBS Code:	P	***SH Qual:***	
SPA Code:	13	***RAQ Act. Qual Short:***	NFRAP
RALT Short Name:	State (Fund)	***RNPL Status Code:***	N

RAT Def: Collection of diverse existing information about the source and nature of the site hazard. It is EPA policy to complete the preliminary assessment within one year of site discovery.

RNON NPL Status Desc: NFRAP-Site does not qualify for the NPL based on existing information

---

Site: ***TDOT - PIN 118737.00 I-240; 4 OVERHEAD BRIDGES***
I-240, SR-57 (POPLAR AVE), AND PARK AVE. MEMPHIS TN 38119

ECHO

FRS ID:	110070134927	***Facility Latitude:***	35.102
Fac EPA Region:	04	***Facility Longitude:***	-89.8703
Facility County:			

Facility Details

Major Facility?:		***Air?:***	No
Active/Operating?:		***NPDES?:***	Yes
Compliance Status:		***SDWIS?:***	No
Signif Non Compl?:	N	***RCRA?:***	No
Programs with SNC:	0	***TRI?:***	No
Qtrs with NC:	0	***GHG?:***	No
3Yr Compliance Hist:	U	***SIC Codes:***	
Formal Action Count:	0	***NAICS Codes:***	
Last Formal Action:		***FIPS Code:***	47157
Last EPA Formal Act:		***Indian/Tribal?:***	No
Last State Formal Act:		***Federal ?:***	
Informal Count:	0	***Federal Agency:***	
Last Informal Action:		***Chesapeake Bay?:***	
Last EPA Informal A:		***NAA?:***	No
Last State Informal A:		***Coordinate Method:***	UNKNOWN
Total Penalties:	0	***Reference Point:***	
Penalty Count:		***Accuracy (Meters):***	99999999
Date of Last Penalty:		***Inspection Count:***	2
Last Penalty Amount:		***Last Inspection:***	11/05/2019
myRTK Universe:	NNN	***Last EPA Inspection:***	
Dschg Impair Water?:	Y	***Last State Inspection:***	11/05/2019
EJ Screen 80%:	No	***Days Last Inspection:***	1055

DFR URL: http://echo.epa.gov/detailed-facility-report?fid=110070134927

Clean Water Act (CWA)

NPDES ID(s):	TNR191668	***Penalties:***	
Permit Types:	Minor	***Last Penalty Date:***	
Compliance Trcking:	Off	***Last Penalty Amt:***	
CWA NAICS:		***Qtrs With NC:***	0
CWA SICS:		***Compliance Status:***	Terminated Permit
Inspection Count:	2	***SNC ?:***	No
Informal Count:		***3Yr QNCR Codes:***	
Formal Action Count:			
Days since Last Inspection:	1054		
Date of Last Formal Action:			
13Qtrs Compl History:	_U		
13Qtrs EffInt Exceedances:			

Site: ***EPIC SITE-17 WEAKLEY SUB.***
DECATUR ST MEMPHIS TN

REMEDIATION

DOR Site ID:	79748	***DOR EFO:***	MEMPHIS
Status:	CLOSED	***Program:***	LIABLE PARTY FUNDED
EPA Facility ID:	TND980838585	***County:***	SHELBY
EPA Registry ID:		***Latitude:***	
Delisted:		***Longitude:***	
Promulgated Date:		***Acres:***	

Site: ***WEAKLEY SUBDIVISION***
NORTH END OF DECATUR ST MEMPHIS TN 38107

SEMS ARCHIVE

Site ID:	0404016	***FIPS Code:***	47157
EPA ID:	TND980838585	***Cong District:***	09
Superfund Alt Agmt:	No	***Region:***	04
Federal Facility:	No	***County:***	SHELBY
FF Docket:	No		
NPL:	Not on the NPL		
Non NPL Status:	NFRAP-Site does not qualify for the NPL based on existing information		

Action Information

Operable Units:	00	***Start Actual:***	
Action Code:	VS	***Finish Actual:***	08/27/1986
Action Name:	ARCH SITE	***Qual:***	
SEQ:	1	***Curr Action Lead:***	EPA Perf In-Hse
Operable Units:	00	***Start Actual:***	
Action Code:	PA	***Finish Actual:***	08/27/1986
Action Name:	PA	***Qual:***	N
SEQ:	1	***Curr Action Lead:***	St Perf
Operable Units:	00	***Start Actual:***	12/01/1979
Action Code:	DS	***Finish Actual:***	12/01/1979
Action Name:	DISCVRY	***Qual:***	
SEQ:	1	***Curr Action Lead:***	EPA Perf

Site:
I-40 E MM 26 APX TN

SPILLS

Incident NO:	200400-1991
Incident Type:	Spill
Date Received:	29-Jul-04
Time Received:	00-Jan-00
Incident Date:	29-Jul-04
Incident County:	Shelby
Incident Mile Marker:	
Incid Highway Name:	
Incident Short Desc:	TRACTOR TRAILER WRECK / INCIDENT
Affected Area Type:	Soil
Carrier Type:	
Carrier Name:	
Responsible Party:	Kirk National Lease
Res Party Phone:	
Material Released:	Diesel
Estimated Amount:	100 to 250 Gallons
Date Closed:	
Condition Of Closure:	
Closed By:	
Damages:	FALSE
Fire:	FALSE
Explosion:	FALSE
Evacuation:	FALSE
Exposure:	FALSE

Fish kill: FALSE
Drinking Water Impacted: FALSE
ER Guide:
Specific Chemical ID NO:
Incident Notes:

Site:
I-40 west mm 6 MEMPHIS TN

SPILLS

Incident NO: IR2014-5955
Incident Type: SPILL
Date Received: 07-Jan-14
Time Received: 00-Jan-00
Incident Date: 01-Jan-14
Incident County: SHELBY
Incident Mile Marker:
Incid Highway Name:
Incident Short Desc: TRACTOR TRAILER WRECK / INCIDENT
Affected Area Type: ROAD SURFACE
Carrier Type:
Carrier Name:
Responsible Party: Empire Express
Res Party Phone: 901-830-4571
Material Released: Diesel
Estimated Amount: 10 to 100 Gallons
Date Closed: 07-Jan-14
Condition Of Closure: NFA
Closed By: Jason Simpson
Damages: FALSE
Fire: FALSE
Explosion: FALSE
Evacuation: FALSE
Exposure: FALSE
Fish kill: FALSE
Drinking Water Impacted: FALSE
ER Guide: 128
Specific Chemical ID NO: IRT-1086
Incident Notes:

Appendix: Database Descriptions

Environmental Risk Information Services (ERIS) can search the following databases. The extent of historical information varies with each database and current information is determined by what is publicly available to ERIS at the time of update. ERIS updates databases as set out in ASTM Standard E1527-13 and E1527-21, Section 8.1.8 Sources of Standard Source Information:

"Government information from nongovernmental sources may be considered current if the source updates the information at least every 90 days, or, for information that is updated less frequently than quarterly by the government agency, within 90 days of the date the government agency makes the information available to the public."

Standard Environmental Record Sources

Federal

Formerly Utilized Sites Remedial Action Program: DOE FUSRAP

The U.S. Department of Energy (DOE) established the Formerly Utilized Sites Remedial Action Program (FUSRAP) in 1974 to remediate sites where radioactive contamination remained from the Manhattan Project and early U.S. Atomic Energy Commission (AEC) operations. The DOE Office of Legacy Management (LM) established long-term surveillance and maintenance (LTS&M) requirements for remediated FUSRAP sites. DOE evaluates the final site conditions of a remediated site on the basis of risk for different future uses. DOE then confirms that LTS&M requirements will maintain protectiveness.

Government Publication Date: Mar 4, 2017

National Priority List: NPL

Sites on the United States Environmental Protection Agency (EPA)'s National Priorities List of the most serious uncontrolled or abandoned hazardous waste sites identified for possible long-term remedial action under the Superfund program. The NPL, which EPA is required to update at least once a year, is based primarily on the score a site receives from EPA's Hazard Ranking System. A site must be on the NPL to receive money from the Superfund Trust Fund for remedial action. Sites are represented by boundaries where available in the EPA Superfund Site Boundaries maintained by the Shared Enterprise Geodata and Services (SEGS). Site boundaries represent the footprint of a whole site, the sum of all of the Operable Units and the current understanding of the full extent of contamination; for Federal Facility sites, the total site polygon may be the Facility boundary. Where there is no polygon boundary data available for a given site, the site is represented as a point.

Government Publication Date: Jul 26, 2022

National Priority List - Proposed: PROPOSED NPL

Sites proposed - by the EPA, the state agency, or concerned citizens - for addition to the NPL due to contamination by hazardous waste and identified by the Environmental Protection Agency (EPA) as a candidate for cleanup because it poses a risk to human health and/or the environment. Sites are represented by boundaries where available in the EPA Superfund Site Boundaries maintained by the Shared Enterprise Geodata and Services (SEGS). Site boundaries represent the footprint of a whole site, the sum of all of the Operable Units and the current understanding of the full extent of contamination; for Federal Facility sites, the total site polygon may be the Facility boundary. Where there is no polygon boundary data available for a given site, the site is represented as a point.

Government Publication Date: Jul 26, 2022

Deleted NPL: DELETED NPL

Sites deleted from the United States Environmental Protection Agency (EPA)'s National Priorities List. The National Oil and Hazardous Substances Pollution Contingency Plan (NCP) establishes the criteria that the EPA uses to delete sites from the NPL. In accordance with 40 CFR 300.425.(e), sites may be deleted from the NPL where no further response is appropriate. Sites are represented by boundaries where available in the EPA Superfund Site Boundaries maintained by the Shared Enterprise Geodata and Services (SEGS). Site boundaries represent the footprint of a whole site, the sum of all of the Operable Units and the current understanding of the full extent of contamination; for Federal Facility sites, the total site polygon may be the Facility boundary. Where there is no polygon boundary data available for a given site, the site is represented as a point.

Government Publication Date: Jul 26, 2022

SEMS List 8R Active Site Inventory: SEMS

The U.S. Environmental Protection Agency's (EPA) Superfund Program has deployed the Superfund Enterprise Management System (SEMS), which integrates multiple legacy systems into a comprehensive tracking and reporting tool. This inventory contains active sites evaluated by the Superfund program that are either proposed to be or are on the National Priorities List (NPL) as well as sites that are in the screening and assessment phase for possible inclusion on the NPL. The Active Site Inventory Report displays site and location information at active SEMS sites. An active site is one at which site assessment, removal, remedial, enforcement, cost recovery, or oversight activities are being planned or conducted. This data includes SEMS sites from the List 8R Active file as well as applicable sites from the SEMS GIS/REST file layer obtained from EPA's Facility Registry Service.

Government Publication Date: Nov 23, 2022

Inventory of Open Dumps, June 1985: ODI

The Resource Conservation and Recovery Act (RCRA) provides for publication of an inventory of open dumps. The Act defines "open dumps" as facilities which do not comply with EPA's "Criteria for Classification of Solid Waste Disposal Facilities and Practices" (40 CFR 257).

Government Publication Date: Jun 1985

SEMS List 8R Archive Sites: SEMS ARCHIVE

The U.S. Environmental Protection Agency's (EPA) Superfund Enterprise Management System (SEMS) Archived Site Inventory displays site and location information at sites archived from SEMS. An archived site is one at which EPA has determined that assessment has been completed and no further remedial action is planned under the Superfund program at this time. This data includes sites from the List 8R Archived site file.

Government Publication Date: Nov 23, 2022

Comprehensive Environmental Response, Compensation and Liability Information System - CERCLIS: CERCLIS

Superfund is a program administered by the United States Environmental Protection Agency (EPA) to locate, investigate, and clean up the worst hazardous waste sites throughout the United States. CERCLIS is a database of potential and confirmed hazardous waste sites at which the EPA Superfund program has some involvement. It contains sites that are either proposed to be or are on the National Priorities List (NPL) as well as sites that are in the screening and assessment phase for possible inclusion on the NPL. The EPA administers the Superfund program in cooperation with individual states and tribal governments; this database is made available by the EPA.

Government Publication Date: Oct 25, 2013

EPA Report on the Status of Open Dumps on Indian Lands: IODI

Public Law 103-399, The Indian Lands Open Dump Cleanup Act of 1994, enacted October 22, 1994, identified congressional concerns that solid waste open dump sites located on American Indian or Alaska Native (AI/AN) lands threaten the health and safety of residents of those lands and contiguous areas. The purpose of the Act is to identify the location of open dumps on Indian lands, assess the relative health and environment hazards posed by those sites, and provide financial and technical assistance to Indian tribal governments to close such dumps in compliance with Federal standards and regulations or standards promulgated by Indian Tribal governments or Alaska Native entities.

Government Publication Date: Dec 31, 1998

CERCLIS - No Further Remedial Action Planned: CERCLIS NFRAP

An archived site is one at which EPA has determined that assessment has been completed and no further remedial action is planned under the Superfund program at this time. The Archive designation means that, to the best of EPA's knowledge, assessment at a site has been completed and that EPA has determined no further steps will be taken to list this site on the National Priorities List (NPL). This decision does not necessarily mean that there is no hazard associated with a given site; it only means that, based upon available information, the location is not judged to be a potential NPL site.

Government Publication Date: Oct 25, 2013

CERCLIS Liens: CERCLIS LIENS

A Federal Superfund lien exists at any property where EPA has incurred Superfund costs to address contamination ("Superfund site") and has provided notice of liability to the property owner. A Federal CERCLA ("Superfund") lien can exist by operation of law at any site or property at which EPA has spent Superfund monies. This database is made available by the United States Environmental Protection Agency (EPA). This database was provided by the United States Environmental Protection Agency (EPA). Refer to SEMS LIEN as the current data source for Superfund Liens.

Government Publication Date: Jan 30, 2014

RCRA CORRACTS-Corrective Action: RCRA CORRACTS

RCRA Info is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. At these sites, the Corrective Action Program ensures that cleanups occur. EPA and state regulators work with facilities and communities to design remedies based on the contamination, geology, and anticipated use unique to each site.

Government Publication Date: Sep 5, 2022

RCRA non-CORRACTS TSD Facilities: RCRA TSD

RCRA Info is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. This database includes Non-Corrective Action sites listed as treatment, storage and/or disposal facilities of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA).

Government Publication Date: Sep 5, 2022

RCRA Generator List: RCRA LQG

RCRA Info is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. RCRA Info replaces the data recording and reporting abilities of the Resource Conservation and Recovery Information System (RCRIS) and the Biennial Reporting System (BRS). A hazardous waste generator is any person or site whose processes and actions create hazardous waste (see 40 CFR 260.10). Large Quantity Generators (LQGs) generate 1,000 kilograms per month or more of hazardous waste or more than one kilogram per month of acutely hazardous waste.

Government Publication Date: Sep 5, 2022

RCRA Small Quantity Generators List: RCRA SQG

RCRA Info is the EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. RCRA Info replaces the data recording and reporting abilities of the Resource Conservation and Recovery Information System (RCRIS) and the Biennial Reporting System (BRS). A hazardous waste generator is any person or site whose processes and actions create hazardous waste (see 40 CFR 260.10). Small Quantity Generators (SQGs) generate more than 100 kilograms, but less than 1,000 kilograms, of hazardous waste per month.

Government Publication Date: Sep 5, 2022

RCRA Very Small Quantity Generators List: RCRA VSQG

RCRA Info is the EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. A hazardous waste generator is any person or site whose processes and actions create hazardous waste (see 40 CFR 260.10). Very Small Quantity Generators (VSQG) generate 100 kilograms or less per month of hazardous waste, or one kilogram or less per month of acutely hazardous waste. Additionally, VSQG may not accumulate more than 1,000 kilograms of hazardous waste at any time.

Government Publication Date: Sep 5, 2022

RCRA Non-Generators: RCRA NON GEN

RCRA Info is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. RCRA Info replaces the data recording and reporting abilities of the Resource Conservation and Recovery Information System (RCRIS) and the Biennial Reporting System (BRS). A hazardous waste generator is any person or site whose processes and actions create hazardous waste (see 40 CFR 260.10). Non-Generators do not presently generate hazardous waste.

Government Publication Date: Sep 5, 2022

RCRA Sites with Controls: RCRA CONTROLS

List of Resource Conservation and Recovery Act (RCRA) facilities with institutional controls in place. RCRA gives the U.S. Environmental Protection Agency (EPA) the authority to control hazardous waste from the "cradle-to-grave." This includes the generation, transportation, treatment, storage, and disposal of hazardous waste. RCRA also set forth a framework for the management of non-hazardous solid wastes. The 1986 amendments to RCRA enabled EPA to address environmental problems that could result from underground tanks storing petroleum and other hazardous substances.

Government Publication Date: Sep 5, 2022

Federal Engineering Controls-ECs: FED ENG

This list of Engineering controls (ECs) is provided by the United States Environmental Protection Agency (EPA). ECs encompass a variety of engineered and constructed physical barriers (e.g., soil capping, sub-surface venting systems, mitigation barriers, fences) to contain and/or prevent exposure to contamination on a property. The EC listing includes remedy component data from Superfund decision documents issued in fiscal years 1982-2020 for applicable sites on the final or deleted on the National Priorities List (NPL); and sites with a Superfund Alternative Approach (SAA) Agreement in place. The only sites included that are not on the NPL; proposed for NPL; or removed from proposed NPL, are those with an SAA Agreement in place.

Government Publication Date: Oct 27, 2022

Federal Institutional Controls- ICs: FED INST

This list of Institutional controls (ICs) is provided by the United States Environmental Protection Agency (EPA). ICs are non-engineered instruments, such as administrative and legal controls, that help minimize the potential for human exposure to contamination and/or protect the integrity of the remedy. Although it is EPA's expectation that treatment or engineering controls will be used to address principal threat wastes and that groundwater will be returned to its beneficial use whenever practicable, ICs play an important role in site remedies because they reduce exposure to contamination by limiting land or resource use and guide human behavior at a site. The IC listing includes remedy component data from Superfund decision documents issued in fiscal years 1982-2020 for applicable sites on the final or deleted on the National Priorities List (NPL); and sites with a Superfund Alternative Approach (SAA) Agreement in place. The only sites included that are not on the NPL; proposed for NPL; or removed from proposed NPL, are those with an SAA Agreement in place.

Government Publication Date: Oct 27, 2022

Land Use Control Information System: LUCIS

The LUCIS database is maintained by the U.S. Department of the Navy and contains information for former Base Realignment and Closure (BRAC) properties across the United States.

Government Publication Date: Sep 1, 2006

Institutional Control Boundaries at NPL sites: NPL IC

Boundaries of Institutional Control areas at sites on the United States Environmental Protection Agency (EPA)'s National Priorities List, or Proposed or Deleted, made available by the EPA's Shared Enterprise Geodata and Services (SEGS). United States Environmental Protection Agency (EPA)'s National Priorities List of the most serious uncontrolled or abandoned hazardous waste sites identified for possible long-term remedial action under the Superfund program. Institutional controls are non-engineered instruments such as administrative and legal controls that help minimize the potential for human exposure to contamination and/or protect the integrity of the remedy.

Government Publication Date: Jul 26, 2022

Emergency Response Notification System: ERNS 1982 TO 1986

Database of oil and hazardous substances spill reports controlled by the National Response Center. The primary function of the National Response Center is to serve as the sole national point of contact for reporting oil, chemical, radiological, biological, and etiological discharges into the environment anywhere in the United States and its territories.

Government Publication Date: 1982-1986

Emergency Response Notification System: ERNS 1987 TO 1989

Database of oil and hazardous substances spill reports controlled by the National Response Center. The primary function of the National Response Center is to serve as the sole national point of contact for reporting oil, chemical, radiological, biological, and etiological discharges into the environment anywhere in the United States and its territories.

Government Publication Date: 1987-1989

Emergency Response Notification System: ERNS

Database of oil and hazardous substances spill reports made available by the United States Coast Guard National Response Center (NRC). The NRC fields initial reports for pollution and railroad incidents and forwards that information to appropriate federal/state agencies for response. These data contain initial incident data that has not been validated or investigated by a federal/state response agency.

Government Publication Date: Nov 6, 2022

The Assessment, Cleanup and Redevelopment Exchange System (ACRES) Brownfield Database: FED BROWNFIELDS

Brownfields are real property, the expansion, redevelopment, or reuse of which may be complicated by the presence or potential presence of a hazardous substance, pollutant, or contaminant. Cleaning up and reinvesting in these properties protects the environment, reduces blight, and takes development pressures off greenspaces and working lands. This data is provided by the United States Environmental Protection Agency (EPA) and includes Brownfield sites from the Cleanups in My Community (CIMC) web application.

Government Publication Date: Sep 13, 2022

FEMA Underground Storage Tank Listing: FEMA UST

The Federal Emergency Management Agency (FEMA) of the Department of Homeland Security maintains a list of FEMA owned underground storage tanks.

Government Publication Date: Dec 31, 2017

Facility Response Plan: FRP

List of facilities that have submitted Facility Response Plans (FRP) to EPA. Facilities that could reasonably be expected to cause "substantial harm" to the environment by discharging oil into or on navigable waters are required to prepare and submit Facility Response Plans (FRPs). Harm is determined based on total oil storage capacity, secondary containment and age of tanks, oil transfer activities, history of discharges, proximity to a public drinking water intake or sensitive environments.

Government Publication Date: Dec 31, 2021

Delisted Facility Response Plans: DELISTED FRP

Facilities that once appeared in - and have since been removed from - the list of facilities that have submitted Facility Response Plans (FRP) to EPA. Facilities that could reasonably be expected to cause "substantial harm" to the environment by discharging oil into or on navigable waters are required to prepare and submit Facility Response Plans (FRPs). Harm is determined based on total oil storage capacity, secondary containment and age of tanks, oil transfer activities, history of discharges, proximity to a public drinking water intake or sensitive environments.

Government Publication Date: Dec 31, 2021

Historical Gas Stations: HIST GAS STATIONS

This historic directory of service stations is provided by the Cities Service Company. The directory includes Cities Service filling stations that were located throughout the United States in 1930.

Government Publication Date: Jul 1, 1930

Petroleum Refineries: REFN

List of petroleum refineries from the U.S. Energy Information Administration (EIA) Refinery Capacity Report. Includes operating and idle petroleum refineries (including new refineries under construction) and refineries shut down during the previous year located in the 50 States, the District of Columbia, Puerto Rico, the Virgin Islands, Guam, and other U.S. possessions. Survey locations adjusted using public data.

Government Publication Date: Aug 30, 2022

Petroleum Product and Crude Oil Rail Terminals: BULK TERMINAL

List of petroleum product and crude oil rail terminals made available by the U.S. Energy Information Administration (EIA). Includes operable bulk petroleum product terminals located in the 50 States and the District of Columbia with a total bulk shell storage capacity of 50,000 barrels or more, and/or the ability to receive volumes from tanker, barge, or pipeline; also rail terminals handling the loading and unloading of crude oil that were active between 2017 and 2018. Petroleum product terminals comes from the EIA-815 Bulk Terminal and Blender Report, which includes working, shell in operation, and shell idle for several major product groupings. Survey locations adjusted using public data.

Government Publication Date: Jun 29, 2022

LIEN on Property: SEMS LIEN

The U.S. Environmental Protection Agency's (EPA) Superfund Enterprise Management System (SEMS) provides Lien details on applicable properties, such as the Superfund lien on property activity, the lien property information, and the parties associated with the lien.

Government Publication Date: Nov 23, 2022

Superfund Decision Documents: SUPERFUND ROD

This database contains a listing of decision documents for Superfund sites. Decision documents serve to provide the reasoning for the choice of (or) changes to a Superfund Site cleanup plan. The decision documents include Records of Decision (ROD), ROD Amendments, Explanations of Significant Differences (ESD), along with other associated memos and files. This information is maintained and made available by the US EPA (Environmental Protection Agency).

Government Publication Date: Sep 28, 2022

State

Promulgated Sites: SHWS

The Promulgated List made available by Tennessee's Department of Environment and Conservation (TDEC) is a List of Inactive Hazardous Substance Sites. 'Inactive hazardous substance sites that constitute an imminent, substantial danger' is an inactive hazardous substance site where there is a threat of danger to the public health, safety, or environment which is both real and presently existing. This database is state equivalent NPL.

Government Publication Date: Sep 20, 2022

Delisted State Hazardous Waste Sites: DEL SHWS

This database contains a list of sites which have removed from The Promulgated Sites Listing maintained by Tennessee's Department of Environment and Conservation (TDEC).

Government Publication Date: Sep 20, 2022

Solid Waste Disposal Facilities and Landfills: SWF/LF

A list of permitted solid waste and landfill facilities made available by Tennessee's Department of Environment Conservation (TDEC).

Government Publication Date: Nov 9, 2022

Environmental Activities on USTs: LUST

The Tennessee Department of Environment and Conservation (TDEC) has made available a list of facilities where any type of environment-related activity has occurred due to a tank closure, or a suspected or confirmed release. The information in this list includes the facility's name and address when the environmental activities began, and the as well as the current status of the activities taking place.

Government Publication Date: Oct 28, 2022

Tennessee Petroleum Underground Storage Tank Fund: LUST TRUST

A list of facilities which have applied for reimbursement from the Tennessee Petroleum Underground Storage Tank Fund, made available by Tennessee Department of Environment and Conservation (TDEC).

Government Publication Date: Oct 28, 2022

Delisted Leaking Storage Tanks: DELISTED LST

This database contains a list of leaking storage tank sites and their Funds for reimbursement of costs related to assessment and cleanup that were removed from the Department of Environment and Conservation (TDEC) database.

Government Publication Date: Oct 28, 2022

Hazardous Waste Remedial Action Fund: HWRA

List of sites under the Hazardous Waste Remedial Action Fund (HWARF) program, maintained by Tennessee Department of Environement and Conservation (TDEC). The Division of Remediation uses the Fund to investigate and cleanup environmental problems caused by the release of hazardous substances into the environment.

Government Publication Date: Sep 20, 2022

Delisted Hazardous Waste Remedial Action Fund: DHWR

List of sites which once appeared on - and have since been removed from - the list of sites participating in the Hazardous Waste Remedial Action Fund, made available by Tennessee's Department of Environment and Conservation (TDEC).

Government Publication Date: Sep 20, 2022

Underground Storage Tanks: UST

A list of tank compartments that have been reported to the Division of Underground Storage Tanks in the Department of Environment and Conservation (DEC). Some of the compartments listed, are not regulated by state or federal regulations, because of the substance stored, the size of the compartment, its use, etc. This list is maintained by Tennessee Division of Underground Storage Tanks in DEC.

Government Publication Date: Oct 28, 2022

Delisted Storage Tanks: DEL STORAGE TNK

List of tank compartments is maintained by the Division of Underground Storage Tanks in the Department of Environment and Conservation (DEC). The department would remove a record if the compartment is not regulated. This list contains the non-regulated tank compartments that been removed from the department's tank database.

Government Publication Date: Oct 28, 2022

Sites Remediated with Institutional Controls: INST

List of remediated sites that have institutional controls in place. This list has been made available by Tennessee's Department of Environment and Conservation (TDEC).

Government Publication Date: Sep 20, 2022

Sites Remediated with Engineering Controls: ENG

This list made available by Tennessee's Department of Environment and Conservation (TDEC) is comprised of remediated sites that have engineering controls.

Government Publication Date: Sep 20, 2022

Voluntary Cleanup, Oversight and Assistance Program: VCP

The Voluntary Cleanup Oversight and Assistance Program (VOAP) overlooked by Tennessee's Department of Environment and Conservation (TDEC) offers people the opportunity to work proactively with state government to address necessary cleanup of a property to return it to productive use. In return for their efforts, participants can receive a No Further Action letter and a release of liability for areas where investigation and cleanup is conducted. This list is maintained by the Division of Remediation in Department of Environment and Conservation.
Government Publication Date: Sep 20, 2022

State Remediation Program List: SRP
The State Remediation Program (SRP) was established in 1994 within the Division of Solid Waste Management of the Department of Environmental Conservation (DEC) for the purpose of providing owners, prospective purchasers and other interested parties the means to voluntarily investigate, clean up or monitor contaminated sites not regulated under RCRA, CERCLA or the Tennessee Division of Underground Tanks (UST). This list maintained by Department of Environment and Conservation, Division of Solid waste Management - Site Remediation Program.
Government Publication Date: Sep 20, 2022

Division of Remediation Sites: REMEDIATION
List of remediation sites that are or have been under any of the program in Division of Remediation, Tennessee's Department of Environment and Conservation, including VOAP, DCERP, SRP, etc.
Government Publication Date: Sep 20, 2022

Tribal

Leaking Underground Storage Tanks (LUSTs) on Indian Lands: INDIAN LUST
LUSTs on Tribal/Indian Lands in Region 4, which includes Tennessee. There are no LUST records in Tennessee at this time.
Government Publication Date: Apr 12, 2019

Underground Storage Tanks (USTs) on Indian Lands: INDIAN UST
USTs on Tribal/Indian Lands in Region 4, which includes Tennessee. There are no UST records in Tennessee at this time.
Government Publication Date: Oct 14, 2017

Delisted Tribal Leaking Storage Tanks: DELISTED ILST
Leaking Underground Storage Tank facilities which have been removed from the Regional Tribal LUST lists made available by the EPA.
Government Publication Date: Oct 14, 2022

Delisted Tribal Underground Storage Tanks: DELISTED IUST
Underground Storage Tank facilities which have been removed from the Regional Tribal UST lists made available by the EPA.
Government Publication Date: Oct 14, 2022

County

No County standard environmental record sources available for this State.

Additional Environmental Record Sources

Federal

Drug Establishment Annual Registration: FDA REGISTRANT
A list of drug firms which manufacture, prepare, propagate, compound, or process drugs that are commercially distributed in the U.S. or offered for import to the U.S. Listing made available by the U.S. Food and Drug Administration (FDA). Includes historical records dating back to 2000. Includes only facilities which are located in the U.S.A.
Government Publication Date: Apr 9, 2019

Risk Management Plan (RMP) Rule: RMP
A list of facilities that are required to have a Risk Management Plan (RMP) in order to: identify the potential effects of chemical accidents, identify steps to prevent accidents and provide emergency response procedures should an accident occur. This list is provided by the EPA which is required by the Clean Air Act Amendments to publish regulations and guidance on chemical accident prevention.
Government Publication Date: Feb 1, 2022

Facility Registry Service/Facility Index: FINDS/FRS

The Facility Registry Service (FRS) is a centrally managed database that identifies facilities, sites, or places subject to environmental regulations or of environmental interest. FRS creates high-quality, accurate, and authoritative facility identification records through rigorous verification and management procedures that incorporate information from program national systems, state master facility records, and data collected from EPA's Central Data Exchange registrations and data management personnel. This list is made available by the Environmental Protection Agency (US EPA).

Government Publication Date: Nov 2, 2020

Toxics Release Inventory (TRI) Program: TRIS

The EPA's Toxics Release Inventory (TRI) is a database containing data on disposal or other releases of over 650 toxic chemicals from thousands of U. S. facilities and information about how facilities manage those chemicals through recycling, energy recovery, and treatment. One of TRI's primary purposes is to inform communities about toxic chemical releases to the environment.

Government Publication Date: Aug 24, 2021

Perfluorinated Alkyl Substances (PFAS) Releases: PFAS TRI

List of Toxics Release Inventory (TRI) facilities at which the reported chemical is a Per- or polyfluorinated alkyl substance (PFAS) included in the Environmental Protection Agency (EPA)'s consolidated PFAS Master List of PFAS Substances. The EPA's Toxics Release Inventory (TRI) is a database containing data on disposal or other releases of over 650 toxic chemicals from thousands of U.S. facilities and information about how facilities manage those chemicals through recycling, energy recovery, and treatment.

Government Publication Date: Aug 24, 2021

PFOA/PFOS Contaminated Sites: PFAS NPL

List of National Priorities List (NPL) and related Superfund Alternative Agreement (SAA) sites where PFOA or PFOS contaminants have been found in water and/or soil. The site listing is provided by the Federal Environmental Protection Agency (EPA).

Government Publication Date: Oct 4, 2022

Perfluorinated Alkyl Substances (PFAS) Water Quality: PFAS WATER

The Water Quality Portal (WQP) is a cooperative service sponsored by the United States Geological Survey (USGS), the Environmental Protection Agency (EPA), and the National Water Quality Monitoring Council (NWQMC). This listing includes records from the Water Quality Portal where the characteristic (environmental measurement) is in the Environmental Protection Agency (EPA)'s consolidated PFAS Master List of PFAS Substances.

Government Publication Date: Jul 20, 2020

SSEHRI PFAS Contamination Sites: PFAS SSEHRI

This PFAS Contamination Site Tracker database is compiled by the Social Science Environmental Health Research Institute (SSEHRI) at Northeastern University. According to the SSEHRI, the database records qualitative and quantitative data from each known site of PFAS contamination, including timeline of discovery, sources, levels, health impacts, community response, and government response. The goal of this database is to compile information and support public understanding of the rapidly unfolding issue of PFAS contamination. All data presented was extracted from government websites, news articles, or publicly available documents, and this is cited in the tracker. Disclaimer: The source conveys this database undergoes regular updates as new information becomes available, some sites may be missing and/or contain information that is incorrect or outdated, as well as their information represents all contamination sites SSEHRI is aware of, not all possible contamination sites. This data is not intended to be used for legal purposes. Limited location details are available with this data. Access the following for the most current informations https://pfasproject.com/pfas-contamination-site-tr acker/

Government Publication Date: Dec 12, 2019

National Response Center PFAS Spills: ERNS PFAS

National Response Center (NRC) calls from 1990 to the most recent complete calendar year where there is indication of Aqueous Film Forming Foam (AFFF) usage. NRC calls may reference AFFF usage in the "Material Involved" or "Incident Description" fields. Data made available by the US Environmental Protection Agency (EPA). Disclaimer: dataset may include initial or misidentified incident data not yet validated or investigated by a federal/state response agency.

Government Publication Date: Feb 23, 2022

Hazardous Materials Information Reporting System: HMIRS

US DOT - Department of Transportation Pipeline and Hazardous Materials Safety Administration (PHMSA) Incidents Reports Database taken from Hazmat Intelligence Portal, U.S. Department of Transportation.

Government Publication Date: Sep 1, 2020

National Clandestine Drug Labs: NCDL

The U.S. Department of Justice ("the Department"), Drug Enforcement Administration (DEA), provides this data as a public service. It contains addresses of some locations where law enforcement agencies reported they found chemicals or other items that indicated the presence of either clandestine drug laboratories or dumpsites. In most cases, the source of the entries is not the Department, and the Department has not verified the entry and does not guarantee its accuracy.

Government Publication Date: Aug 30, 2022

Toxic Substances Control Act: TSCA

The Environmental Protection Agency (EPA) is amending the Toxic Substances Control Act (TSCA) section 8(a) Inventory Update Reporting (IUR) rule and changing its name to the Chemical Data Reporting (CDR) rule.
The CDR enables EPA to collect and publish information on the manufacturing, processing, and use of commercial chemical substances and mixtures (referred to hereafter as chemical substances) on the TSCA Chemical Substance Inventory (TSCA Inventory). This includes current information on chemical substance production volumes, manufacturing sites, and how the chemical substances are used. This information helps the Agency determine whether people or the environment are potentially exposed to reported chemical substances. EPA publishes submitted CDR data that is not Confidential Business Information (CBI).

Government Publication Date: Apr 11, 2019

Hist TSCA: HIST TSCA

The Environmental Protection Agency (EPA) is amending the Toxic Substances Control Act (TSCA) section 8(a) Inventory Update Reporting (IUR) rule and changing its name to the Chemical Data Reporting (CDR) rule.
The 2006 IUR data summary report includes information about chemicals manufactured or imported in quantities of 25,000 pounds or more at a single site during calendar year 2005. In addition to the basic manufacturing information collected in previous reporting cycles, the 2006 cycle is the first time EPA collected information to characterize exposure during manufacturing, processing and use of organic chemicals. The 2006 cycle also is the first time manufacturers of inorganic chemicals were required to report basic manufacturing information.

Government Publication Date: Dec 31, 2006

FTTS Administrative Case Listing: FTTS ADMIN

An administrative case listing from the Federal Insecticide, Fungicide, & Rodenticide Act (FIFRA) and Toxic Substances Control Act (TSCA), together known as FTTS. This database was obtained from the Environmental Protection Agency's (EPA) National Compliance Database (NCDB). The FTTS and NCDB was shut down in 2006.

Government Publication Date: Jan 19, 2007

FTTS Inspection Case Listing: FTTS INSP

An inspection case listing from the Federal Insecticide, Fungicide, & Rodenticide Act (FIFRA) and Toxic Substances Control Act (TSCA), together known as FTTS. This database was obtained from the Environmental Protection Agency's (EPA) National Compliance Database (NCDB). The FTTS and NCDB was shut down in 2006.

Government Publication Date: Jan 19, 2007

Potentially Responsible Parties List: PRP

Early in the site cleanup process, the U.S. Environmental Protection Agency (EPA) conducts a search to find the Potentially Responsible Parties (PRPs). The EPA looks for evidence to determine liability by matching wastes found at the site with parties that may have contributed wastes to the site. This listing contains PRPs, Noticed Parties, at sites in the EPA's Superfund Enterprise Management System (SEMS).

Government Publication Date: Nov 23, 2022

State Coalition for Remediation of Drycleaners Listing: SCRD DRYCLEANER

The State Coalition for Remediation of Drycleaners (SCRD) was established in 1998, with support from the U.S. Environmental Protection Agency (EPA) Office of Superfund Remediation and Technology Innovation. Coalition members are states with mandated programs and funding for drycleaner site remediation. Current members are Alabama, Connecticut, Florida, Illinois, Kansas, Minnesota, Missouri, North Carolina, Oregon, South Carolina, Tennessee, Texas, and Wisconsin. Since 2017, the SCRD no longer maintains this data, refer to applicable state source data where available.

Government Publication Date: Nov 08, 2017

Integrated Compliance Information System (ICIS): ICIS

The U.S. Environmental Protection Agency's Enforcement and Compliance History Online system incorporates data from the Integrated Compliance Information System - National Pollutant Discharge Elimination System (ICIS-NPDES). ICIS-NPDES is an information management system maintained by the Office of Compliance to track permit compliance and enforcement status of facilities regulated by the NPDES under the Clean Water Act. This data includes permit, inspection, violation and enforcement action information for applicable ICIS records.

Government Publication Date: Oct 15, 2022

Drycleaner Facilities: FED DRYCLEANERS

A list of drycleaner facilities from Enforcement and Compliance History Online (ECHO) online search. The Environmental Protection Agency (EPA) tracks facilities that possess NAIC and SIC codes that classify businesses as drycleaner establishments.

Government Publication Date: Jun 25, 2022

Delisted Drycleaner Facilities: DELISTED FED DRY

List of sites removed from the list of Drycleaner Facilities (sites in the EPA's Integrated Compliance Information System (ICIS) with NAIC or SIC codes identifying the business as a drycleaner establishment).

Government Publication Date: Jun 25, 2022

Formerly Used Defense Sites: FUDS

Formerly Used Defense Sites (FUDS) are properties that were formerly owned by, leased to, or otherwise possessed by and under the jurisdiction of the Secretary of Defense prior to October 1986, where the Department of Defense (DOD) is responsible for an environmental restoration. The FUDS Annual Report to Congress (ARC) is published by the U.S. Army Corps of Engineers (USACE). This data is compiled from the USACE's Geospatial FUDS data layers and Homeland Infrastructure Foundation-Level Data (HIFLD) FUDS dataset.

Government Publication Date: Jul 12, 2022

Former Military Nike Missile Sites: FORMER NIKE

This information was taken from report DRXTH-AS-IA-83A016 (Historical Overview of the Nike Missile System, 12/1984) which was performed by Environmental Science and Engineering, Inc. for the U.S. Army Toxic and Hazardous Materials Agency Assessment Division. The Nike system was deployed between 1954 and the mid-1970's. Among the substances used or stored on Nike sites were liquid missile fuel (JP-4); starter fluids (UDKH, aniline, and furfuryl alcohol); oxidizer (IRFNA); hydrocarbons (motor oil, hydraulic fluid, diesel fuel, gasoline, heating oil); solvents (carbon tetrachloride, trichloroethylene, trichloroethane, stoddard solvent); and battery electrolyte. The quantities of material a disposed of and procedures for disposal are not documented in published reports. Virtually all information concerning the potential for contamination at Nike sites is confined to personnel who were assigned to Nike sites. During deactivation most hardware was shipped to depot-level supply points. There were reportedly instances where excess materials were disposed of on or near the site itself at closure. There was reportedly no routine site decontamination.

Government Publication Date: Dec 2, 1984

PHMSA Pipeline Safety Flagged Incidents: PIPELINE INCIDENT

A list of flagged pipeline incidents made available by the U.S. Department of Transportation (US DOT) Pipeline and Hazardous Materials Safety Administration (PHMSA). PHMSA regulations require incident and accident reports for five different pipeline system types.

Government Publication Date: Jul 7, 2020

Material Licensing Tracking System (MLTS): MLTS

A list of sites that store radioactive material subject to the Nuclear Regulatory Commission (NRC) licensing requirements. This list is maintained by the NRC. As of September 2016, the NRC no longer releases location information for sites. Site locations were last received in July 2016.

Government Publication Date: May 11, 2021

Historic Material Licensing Tracking System (MLTS) sites: HIST MLTS

A historic list of sites that have inactive licenses and/or removed from the Material Licensing Tracking System (MLTS). In some cases, a site is removed from the MLTS when the state becomes an "Agreement State". An Agreement State is a State that has signed an agreement with the Nuclear Regulatory Commission (NRC) authorizing the State to regulate certain uses of radioactive materials within the State.

Government Publication Date: Jan 31, 2010

Mines Master Index File: MINES

The Master Index File (MIF) is provided by the United State Department of Labor, Mine Safety and Health Administration (MSHA). This file, which was originally created in the 1970's, contained many Mine-IDs that were invalid. MSHA removes invalid IDs from the MIF upon discovery. MSHA applicable data includes the following: all Coal and Metal/Non-Metal mines under MSHA's jurisdiction since 1/1/1970; mine addresses for all mines in the database except for Abandoned mines prior to 1998 from MSHA's legacy system (addresses may or may not correspond with the physical location of the mine itself); violations that have been assessed penalties as a result of MSHA inspections beginning on 1/1/2000; and violations issued as a result of MSHA inspections conducted beginning on 1/1/2000.

Government Publication Date: Aug 3, 2022

Civil Enforcement Action Cases without Associated Facilities: CEA2

This database consists of civil, judicial, and administrative federal enforcement cases where there are no facilities associated with a case as tracked by the U.S. Environmental Protection Agency's (EPA). The EPA's Enforcement and Compliance History Online (ECHO) system incorporates Federal Enforcement and Compliance (FE&C) data from the Integrated Compliance Information System (ICIS). ICIS tracks enforcement actions taken against companies or individuals; therefore, the ICIS case name may not correspond to an exact facility name for ICIS records linked via EPA's Facility Registry System (FRS), ECHO Facility Searches, or other program data systems.

Government Publication Date: Oct 8, 2022

Surface Mining Control and Reclamation Act Sites: SMCRA

An inventory of land and water impacted by past mining (primarily coal mining) is maintained by the Office of Surface Mining Reclamation and Enforcement (OSMRE) to provide information needed to implement the Surface Mining Control and Reclamation Act of 1977 (SMCRA). The inventory contains information on the location, type, and extent of Abandoned Mine Land (AML) impacts, as well as information on the cost associated with the reclamation of those problems. The inventory is based upon field surveys by State, Tribal, and OSMRE program officials. It is dynamic to the extent that it is modified as new problems are identified and existing problems are reclaimed.

Government Publication Date: Aug 18, 2022

Mineral Resource Data System: MRDS

The Mineral Resource Data System (MRDS) is a collection of reports describing metallic and nonmetallic mineral resources throughout the world. Included are deposit name, location, commodity, deposit description, geologic characteristics, production, reserves, resources, and references. This database contains the records previously provided in the Mineral Resource Data System (MRDS) of USGS and the Mineral Availability System/Mineral Industry Locator System (MAS/MILS) originated in the U.S. Bureau of Mines, which is now part of USGS. The USGS has ceased systematic updates of the MRDS database with their focus more recently on deposits of critical minerals while providing a well-documented baseline of historical mine locations from USGS topographic maps.

Government Publication Date: Mar 15, 2016

DOE Legacy Management Sites: LM SITES

The U.S. Department of Energy (DOE) Office of Legacy Management (LM) currently manages radioactive and chemical waste, environmental contamination, and hazardous material at over 100 sites across the U.S. The LM manages sites with diverse regulatory drivers (statutes or programs that direct cleanup and management requirements at DOE sites) or as part of internal DOE or congressionally-recognized programs, such as but not limited to: Formerly Utilized Sites Remedial Action Program (FUSRAP), Uranium Mill Tailings Radiation Control Act (UMTRCA Title I, Tile II), Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA), Resource Conservation and Recovery Act (RCRA), Decontamination and Decommissioning (D&D), Nuclear Waste Policy Act (NWPA). This site listing includes data exported from the DOE Office of LM's Geospatial Environmental Mapping System (GEMS). GEMS Data disclaimer: The DOE Office of LM makes no representation or warranty, expressed or implied, regarding the use, accuracy, availability, or completeness of the data presented herein.

Government Publication Date: Dec 1, 2022

Alternative Fueling Stations: ALT FUELS

This list of alternative fueling stations is sourced from the Alternative Fuels Data Center (AFDC). The U.S. Department of Energy's Office of Energy Efficiency & Renewable Energy launched the AFDC in 1991 as a repository for alternative fuel vehicle performance data, which provides a wealth of information and data on alternative and renewable fuels, advanced vehicles, fuel-saving strategies, and emerging transportation technologies. The data includes Biodiesel (B20 and above), Compressed Natural Gas (CNG), Electric, Ethanol (E85), Hydrogen, Liquefied Natural Gas (LNG), Propane (LPG) fuel type locations.

Government Publication Date: Oct 10, 2022

Integrated Compliance Information System for Air: ICIA

ICIS-Air contains emissions, compliance, and enforcement data on stationary sources of air pollution. Regulated sources cover a wide spectrum; from large industrial facilities to relatively small operations such as dry cleaners (automobiles and other mobile air pollution sources are tracked by a different EPA system). ICIS-Air records included in the download files are those where the operating status is planned (has applied for a construction permit), under construction, operating, temporarily closed, seasonal, or permanently closed. This is provided by the EPA.

Government Publication Date: Jul 2, 2022

Air Facility System: AFS

This EPA retired Air Facility System (AFS) dataset contains emissions, compliance, and enforcement data on stationary sources of air pollution. Regulated sources cover a wide spectrum; from large industrial facilities to relatively small operations such as dry cleaners. AFS does not contain data on facilities that are solely asbestos demolition and/or renovation contractors, or landfills. ECHO Clean Air Act data from AFS are frozen and reflect data as of October 17, 2014; the EPA retired this system for Clean Air Act stationary sources and transitioned to ICIS-Air.

Government Publication Date: Oct 17, 2014

Superfunds Consent Decrees: CONSENT DECREES

This list of Superfund consent decrees is provided by the Department of Justice, Environment & Natural Resources Division (ENRD) through a Freedom of Information Act (FOIA) applicable file. This listing includes Consent Decrees for CERCLA or Superfund Sites filed and/or as proposed within the ENRD's Case Management System (CMS) since 2010. CMS may not reflect the latest developments in a case nor can the agency guarantee the accuracy of the data. ENRD Disclaimer: Congress excluded three discrete categories of law enforcement and national security records from the requirements of the FOIA; response is limited to those records that are subject to the requirements of the FOIA; however, this should not be taken as an indication that excluded records do, or do not, exist.

Government Publication Date: Sep 15, 2022

Occupational Safety and Health Administration Enforcement Data: OSHA

This dataset includes information regarding the impetus for conducting the inspection, and details on citations and penalty assessments resulting from violations of OSHA standards. Additionally, accident investigation information is provided, including textual descriptions of the accident, and details regarding the injuries and fatalities which occurred. Provided by the US Department of Labor.

Government Publication Date: May 12, 2022

Civil Enforcement Actions: CEA

This database consists of civil, judicial, and administrative federal enforcement cases tracked by the U.S. Environmental Protection Agency's (EPA). The EPA's Enforcement and Compliance History Online (ECHO) system incorporates Federal Enforcement and Compliance (FE&C) data from the Integrated Compliance Information System (ICIS). ICIS tracks enforcement actions taken against companies or individuals; therefore, the ICIS case name may not correspond to the exact facility name for ICIS records linked via EPA's Facility Registry System (FRS), ECHO Facility Searches, or other program data systems.

Government Publication Date: Oct 8, 2022

Criminal Enforcement Actions: CRIM

Criminal Enforcement Actions database that is maintained by the US environmental protection agency (EPA) which reports criminal enforcement cases for all environmental statutes

Government Publication Date: Jun 17, 2022

EPA Dockets: DOCKETS

The United States Environmental Protection Agency Docket data lists Civil Case Defendants, filing dates as far back as 1971, laws broken including section, violations that occurred, pollutants involved, penalties assessed and superfund awards by facility and location. The EPA DOCKETS system was decommissioned in 2002.

Government Publication Date: Dec 22, 2005

Permit Compliance System (PCS): PCS

Permit Compliance System (PCS) database that is maintained by US Environmental Protection Agency (EPA) provides historic water discharge permit information by state. The Permit Compliance System (PCS) is gradually being replaced by the modernized system called Integrated Compliance Information System (ICIS).

Government Publication Date: Nov 12, 2012

Federal National Pollutant Discharge Elimination System (NPDES): NPDES

ICIS-NPDES is an information management system maintained by the Office of Compliance at the US Environmental Protection Agency (EPA) to track permit compliance and enforcement status of facilities regulated by the National Pollutant Discharge Elimination System (NPDES) under the Clean Water Act (CWA). ICIS-NPDES is designed to support the NPDES program at the state, regional, and national levels.

Government Publication Date: Jan 15, 2022

Financial Assurance Summary: FINA

This Financial Assurance Summary data provides a list of all Resource Conservation and Recovery Act (RCRA) regulated Treatment, Storage, & Disposal (TSD) sites with Financial Assurance coverage. The data shows the cost estimate for each mechanism type. A mechanism can include letters of credit, bonds, trust agreements, insurance, and self-insurance. This national listing is made available by the U.S. Environmental Protection Agency (EPA).

Government Publication Date: Nov 8, 2022

Biennial Reporting System (BRS): BRS

The Biennial Reporting System (BRS) database manitained by the Environmental Protection Agency (EPA) that contains biennial reports submitted by generators of hazardous wastes and facilities that treat, store or dispose of hazardous wastes.

Government Publication Date: Dec 16, 2016

Registered Pesticide Establishments: SSTS

List of active EPA-registered foreign and domestic pesticide-producing and device-producing establishments based on data from the Section Seven Tracking System (SSTS). The Federal Insecticide, Fungicide, and Rodenticide Act (FIFRA) Section 7 requires that facilities producing pesticides, active ingredients, or devices be registered. The list of establishments is made available by the EPA.

Government Publication Date: Mar 30, 2022

Enforcement and Compliance Data (ECHO): ECHO

The Enforcement and Compliance History Online (ECHO) data focuses on compliance and enforcement-related information for regulated facilities, including permit data, inspection/compliance evaluation dates and findings, violations of environmental regulations, enforcement actions, and penalties assessed. The data encompasses facilities related to air emissions, surface water discharges, hazardous waste, and drinking water systems. The information contained in ECHO is made available to the public by the U.S. Environmental Protection Agency (EPA) for information purposes only, and the data is sourced from the ECHO Exporter file.

Government Publication Date: Sep 25, 2022

Polychlorinated Biphenyl (PCB) Transformers: PCBT

Locations of Transformers Containing Polychlorinated Biphenyls (PCBs) registered with the United States Environmental Protection Agency. PCB transformer owners must register their transformer(s) with EPA. Although not required, PCB transformer owners who have removed and properly disposed of a registered PCB transformer may notify EPA to have their PCB transformer de-registered. Data made available by EPA.

Government Publication Date: Oct 15, 2019

Polychlorinated Biphenyl (PCB) Notifiers: PCB

Facilities included in the national list of facilities that have notified the United States Environmental Protection Agency (EPA) of Polychlorinated Biphenyl (PCB) activities. Any company or person storing, transporting or disposing of PCBs or conducting PCB research and development must notify the EPA and receive an identification number.

Government Publication Date: Jul 28, 2022

Civil Cases and Settlements: CIVIL CASES

A listing of significant civil and cleanup cases and settlements from 1998 and onwards, made available by the United States Environmental Protection Agency (US EPA). This is not a complete list of all enforcement actions taken by or on behalf of EPA. Rather, it represents a subset of enforcement cases, taken civil judicially or administratively, which may be of national interest. Most of the settlements are civil judicial consent decrees resolving alleged violations of environmental laws (e.g., the Clean Air Act, the Clean Water Act); this listing does not include: most administrative enforcement actions; most civil judicial cases resolving liability under CERCLA; criminal enforcement matters.

Government Publication Date: Oct 4, 2022

National Compliance Database System - Case Listings: NCDB CASE LIST

Case listings from the National Compliance Database System (NCDB), the historical repository for national data from the United States Environmental Protection Agency's ten regional and Headquarters FIFRA/TSCA Tracking System (FTTS). Data collected in the regional FTTS was transferred to NCDB to support the need for monitoring national performance of the following programs: Federal Insecticide, Fungicide, and Rodenticide Act (FIFRA), Toxic Substance Control Act (TSCA) , Emergency Planning and Right-to-Know Act, Section 313 (EPCRA) , Asbestos Hazard Emergency Response (AHERA). EPA's Integrated Compliance Information System (ICIS) is the current system of record for this data since 2006.

Government Publication Date: Sep 1, 2006

National Compliance Database Information - Facility Inspection: NCDB FAC INSP

Facility inspection information from the National Compliance Database (NCDB), the historical repository for national data from the United States Environmental Protection Agency's ten regional and Headquarters FIFRA/TSCA Tracking System (FTTS). Data collected in the regional FTTS was transferred to NCDB to support the need for monitoring national performance of the following programs: Federal Insecticide, Fungicide, and Rodenticide Act (FIFRA), Toxic Substance Control Act (TSCA) , Emergency Planning and Right-to-Know Act, Section 313 (EPCRA) , Asbestos Hazard Emergency Response (AHERA). Since October 2006, the EPA has been entering new inspection information into the Integrated Compliance Information System (ICIS), the current system of record for this data.

Government Publication Date: Sep 1, 2006

Hazardous Waste Compliance Docket Facilities: DOCKET HW

This list of the Federal Agency Hazardous Waste Compliance Docket Facilities is maintained by the United States Environmental Protection Agency (EPA). According to the EPA, Section 120(c) of CERCLA requires EPA to establish a listing, known as the Federal Facility Hazardous Waste Compliance Docket (Docket), of Federal facilities which are managing or have managed hazardous waste; or have had a release of hazardous waste. Thus, the Docket identifies all Federal facilities that must be evaluated to determine whether they pose a risk to human health and the environment and it makes this information available to the public.

Government Publication Date: May 6, 2021

State

NPDES Permit Listing: NPDES

A list of National Pollutant Discharge Elimination System (NPDES) permits made available by the Tennesse Department of Environment and Conservation.

Government Publication Date: Jul 7, 2022

Drycleaner Environmental Response Program Remediation Sites: PRIORITY CLEAN

Tennessee's Department of Environment and Conservation (TDEC) Division of Remediation operates a program called the Drycleaner Environmental Response Program (DCERP). This program keeps a list of DCERP remediation sites.

Government Publication Date: Sep 20, 2022

Delisted Drycleaner Environmental Response Program Remediation Sites: DELISTED DCER

The list of Drycleaner Environmental Response Program, maintained by the Tennessee's Department of Environment and Conservation Division of Remediation, would remove a record if the program finished the remediation. This list contains all such records that has finished remediation.

Government Publication Date: Sep 20, 2022

Registered Drycleaner Facilities List: DRYCLEANERS

The Drycleaner Environmental Response Program (DCERP) of the Department of Environment and Conservation maintains a list of registered drycleaner facilities.

Government Publication Date: Sep 13, 2022

Delisted Drycleaners List: DELISTED DRYCLEANERS

List of sites removed from the drycleaners database made available by the Department of Environmental and Conservation.

Government Publication Date: Sep 13, 2022

Registry of Contaminated Properties: CDL

The Department of Environment and Conservation (DEC) maintains a registry of all properties reported by a law enforcement agency that have been under order of quarantine for at least sixty (60) days. These properties have been quarantined due to the criminal activities associated with Clandestine Methamphetamine Laboratories (CML). This list is maintained by The Department of Environment and Conservation (TDEC).

Government Publication Date: Sep 8, 2022

Spills, Emergency Response Data: SPILLS

An inventory of spill locations reported to Tennessee Emergency Management Agency. This list made available by Tennessee Emergency Management Agency (TEMA).

Government Publication Date: Jul 22, 2015

Statewide Petroleum Incident Logging Section (SPILS) List: SPILS

Tenneessee's Statewide Petroleum Incident Logging Section (SPILS) is a new program within the Tennessee Department of Environment and Conservation (TDEC)'s Division of Solid Waste Management (DSWM). The SPILS program log incidents along Tennessee's roadways where a reportable quantity of petroleum products is released to the environment, ensuring that appropriate cleanup standards are applied, remediation activities are completed, and final reports detailing the response are received and reviewed.

Government Publication Date: Nov 14, 2022

Solid Waste Management (SWM) Complaints: SWM COMPLAINT

List of Solid Waste Management (SWM) complaints in the Tennessee Department of Environment & Conservation (TDEC) Dataviewer.

Government Publication Date: Jan 25, 2021

Hazardous Waste Management Facilities: HWM

List of Hazardous Waste Management Facilities made available by Tennessee's Department of Environment and Conservation. Includes Active, Inactive, Closed, Open, Operating, and Not Operating facilities. This is not a complete list of hazardous waste management facilities permits in the state of Tennessee.

Government Publication Date: Nov 7, 2022

Tribal

No Tribal additional environmental record sources available for this State.

County

No County additional environmental record sources available for this State.

Definitions

Database Descriptions: This section provides a detailed explanation for each database including: source, information available, time coverage, and acronyms used. They are listed in alphabetic order.

Detail Report: This is the section of the report which provides the most detail for each individual record. Records are summarized by location, starting with the project property followed by records in closest proximity.

Distance: The distance value is the distance between plotted points, not necessarily the distance between the sites' boundaries. All values are an approximation.

Direction: The direction value is the compass direction of the site in respect to the project property and/or center point of the report.

Elevation: The elevation value is taken from the location at which the records for the site address have been plotted. All values are an approximation. Source: Google Elevation API.

Executive Summary: This portion of the report is divided into 3 sections:

'Report Summary'- Displays a chart indicating how many records fall on the project property and, within the report search radii.

'Site Report Summary'-Project Property'- This section lists all the records which fall on the project property. For more details, see the 'Detail Report' section.

'Site Report Summary-Surrounding Properties'- This section summarizes all records on adjacent properties, listing them in order of proximity from the project property. For more details, see the 'Detail Report' section.

Map Key: The map key number is assigned according to closest proximity from the project property. Map Key numbers always start at #1. The project property will always have a map key of '1' if records are available. If there is a number in brackets beside the main number, this will indicate the number of records on that specific property. If there is no number in brackets, there is only one record for that property.

The symbol and colour used indicates 'elevation': the red inverted triangle will dictate 'ERIS Sites with Lower Elevation', the yellow triangle will dictate 'ERIS Sites with Higher Elevation' and the orange square will dictate 'ERIS Sites with Same Elevation.'

Unplottables: These are records that could not be mapped due to various reasons, including limited geographic information. These records may or may not be in your study area, and are included as reference.

Appendix D
Historical Documents

Detailed Facility Report

Detailed Facility Report

Facility Summary

MEMPHIS HOUSING AUTHORITY-DIXIE HOME DEV

916 POPLAR AVE, MEMPHIS, TN 38105

FRS (Facility Registry Service) ID: 110004951589
EPA Region: 04
Latitude: 35.14527
Longitude: -90.029807
Locational Data Source: FRS
Industries: Special Trade Contractors
Indian Country: N

Enforcement and Compliance Summary

Statute	RCRA
Compliance Monitoring Activities (5 years)	--
Date of Last Compliance Monitoring Activity	12/14/1994
Compliance Status	No Violation Identified
Qtrs in Noncompliance (of 12)	0
Qtrs with Significant Violation	0
Informal Enforcement Actions (5 years)	--
Formal Enforcement Actions (5 years)	--
Penalties from Formal Enforcement Actions (5 years)	--
EPA Cases (5 years)	--
Penalties from EPA Cases (5 years)	--

Regulatory Information

Clean Air Act (CAA): No Information
Clean Water Act (CWA): No Information
Resource Conservation and Recovery Act (RCRA): Inactive Other, (TN0000033639)
Safe Drinking Water Act (SDWA): No Information

Go To Enforcement/Compliance Details

Other Regulatory Reports

Air Emissions Inventory (EIS): No Information
Greenhouse Gas Emissions (eGGRT): No Information
Toxic Releases (TRI): No Information
Compliance and Emissions Data Reporting Interface (CEDRI): No Information

Known Data Problems

Facility/System Characteristics

Facility/System Characteristics

System	Statute	Identifier	Universe	Status	Areas	Permit Expiration Date	Indian Country	Latitude	Longitude
FRS		110004951589					N	35.14527	-90.029807
RCRAInfo	RCRA	TN0000033639	Other	Inactive ( )			N		

Facility Address

System	Statute	Identifier	Facility Name	Facility Address	Facility County
FRS		110004951589	MEMPHIS HOUSING AUTHORITY-DIXIE HOME DEV	916 POPLAR AVE, MEMPHIS, TN 38105	Shelby County
RCRAInfo	RCRA	TN0000033639	MEMPHIS HOUSING AUTHORITY-DIXIE HOME DEV	916 POPLAR AVE, MEMPHIS, TN 38105	Shelby County

Facility SIC (Standard Industrial Classification) Codes

System	Identifier	SIC Code	SIC Description

No data records returned

Facility NAICS (North American Industry Classification System) Codes

System	Identifier	NAICS Code	NAICS Description
RCRAInfo	TN0000033639	23521	Painting and Wall Covering Contractors

Facility Tribe Information

Reservation Name	Tribe Name	EPA Tribal ID	Distance to Tribe (miles)

No data records returned

Enforcement and Compliance

Compliance Monitoring History

Last 5 Years

Statute	Source ID	System	Activity Type	Compliance Monitoring Type	Lead Agency	Date	Finding (if applicable)

No data records returned

Entries in italics are not counted in EPA compliance monitoring strategies or annual results.

Compliance Summary Data

Statute	Source ID	Current SNC (Significant Noncompliance)/HPV (High Priority Violation)	Current As Of	Qtrs with NC (Noncompliance) (of 12)	Data Last Refreshed
RCRA	TN0000033639	No	01/07/2023	0	01/06/2023

Three-Year Compliance History by Quarter

Statute	Program/Pollutant/Violation Type	QTR 1	QTR 2	QTR 3	QTR 4	QTR 5	QTR 6	QTR 7	QTR 8	QTR 9	QTR 10	QTR 11	QTR 12+
RCRA (Source ID: TN0000033639)		01/01-03/31/20	04/01-06/30/20	07/01-09/30/20	10/01-12/31/20	01/01-03/31/21	04/01-06/30/21	07/01-09/30/21	10/01-12/31/21	01/01-03/31/22	04/01-06/30/22	07/01-09/30/22	10/01-12/31/22
	Facility-Level Status	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified
	Violation / Agency												

Informal Enforcement Actions

Last 5 Years

Statute	System	Source ID	Type of Action	Lead Agency	Date

No data records returned

Entries in italics are not counted as "informal enforcement actions" in EPA policies pertaining to enforcement response tools.

Formal Enforcement Actions

Last 5 Years

Statute	System	Law/Section	Source ID	Type of Action	Case No.	Lead Agency	Case Name	Issued/Filed Date	Settlements/Actions	Settlement/Action Date	Federal Penalty Assessed	State/Local Penalty Assessed	Penalty Amount Collected	SEP Cost	Comp Action Cost

No data records returned

Environmental Conditions

Watersheds

12-Digit WBD (Watershed Boundary Dataset) HUC (RAD (Reach Address Database))	WBD (Watershed Boundary Dataset) Subwatershed Name (RAD (Reach Address Database))	State Water Body Name (ICIS (Integrated Compliance Information System))	Beach Closures Within Last Year	Beach Closures Within Last Two Years	Pollutants Potentially Related to Impairment	Watershed with ESA (Endangered Species Act)-listed Aquatic Species?

No data records returned

Assessed Waters From Latest State Submission (ATTAINS)

State	Report Cycle	Assessment Unit ID	Assessment Unit Name	Water Condition	Cause Groups Impaired	Drinking Water Use	Aquatic Life	Fish Consumption Use	Recreation Use	Other Use

No data records returned

Air Quality Nonattainment Areas

Pollutant	Within Nonattainment Status Area?	Nonattainment Status Applicable Standard(s)	Within Maintenance Status Area?	Maintenance Status Applicable Standard(s)
Ozone	No	--	Yes	1-Hour Ozone (1979); 8-Hour Ozone (2008)
Lead	No	--	No	--
Particulate Matter	No	--	No	--
Carbon Monoxide	No	--	Yes	Carbon Monoxide (1971)
Sulfur Dioxide	No	--	No	--

Pollutants

Toxics Release Inventory History of Reported Chemicals Released in Pounds per Year at Site

TRI Facility ID	Year	Total Air Emissions	Surface Water Discharges	Off-Site Transfers to POTWs (Publicly Owned Treatment Works)	Underground Injections	Releases to Land	Total On-Site Releases	Total Off-Site Transfers

No data records returned

Toxics Release Inventory Total Releases and Transfers in Pounds by Chemical and Year

Chemical Name

No data records returned

Community

EJScreen EJ Indexes

Twelve environmental justice (EJ) indexes of EJScreen, EPA's screening tool for EJ concerns. EPA uses these indexes to identify geographic areas that may warrant further consideration or analysis for potential EJ concerns. The index values below are for the Census block group or 1-mile maximum (US or State) in which the facility is located. Note that use of these indexes does not designate an area as an "EJ community" or

"EJ facility." EJScreen provides screening level indicators, not a determination of the existence or absence of EJ concerns. For more information, see the EJScreen home page.

Show EJ Indexes calculated based on: Census Block Group - US

Census Block Group EJ Indexes (percentile)	
Particulate Matter 2.5	93
Ozone	95
Diesel Particulate Matter	95
Air Toxics Cancer Risk	98
Air Toxics Respiratory Hazard Index	98
Traffic Proximity	98
Lead Paint	92
Risk Management Plan (RMP) Facility Proximity	84
Hazardous Waste Proximity	98
Superfund Proximity	96
Underground Storage Tanks (UST)	96
Wastewater Discharge	--

Number of EJ Indexes Above 80th Percentile
11

View EJScreen Report (US/regional/state percentiles, 1-mile average)

Demographic Profile of Surrounding Area (1 mile)

This section provides demographic information regarding the community surrounding the facility. ECHO compliance data alone are not sufficient to determine whether violations at a particular facility had negative impacts on public health or the environment. Statistics are based upon the 2010 U.S. Census and 2016 - 2020 American Community Survey (ACS) 5-year Summary and are accurate to the extent that the facility latitude and longitude listed below are correct. EPA's spatial processing methodology considers the overlap between the selected radii and the census blocks (for U.S. Census demographics) and census block groups (for ACS demographics) in determining the demographics surrounding the facility. For more detail about this methodology, see the DFR Data Dictionary.

General Statistics (U.S. Census)	
Total Persons	13,041
Population Density	4,167/sq.mi.
Housing Units in Area	7,163

General Statistics (ACS (American Community Survey))	
Total Persons	12,337
Percent People of Color	78%
Households in Area	6,139
Households on Public Assistance	170
Persons With Low Income	7,072
Percent With Low Income	64%

Geography	
Radius of Selected Area	1 mi.
Center Latitude	35.14527
Center Longitude	-90.029807
Land Area	100%
Water Area	0%

Income Breakdown (ACS (American Community Survey)) - Households (%)	
Less than $15,000	2,320 (37.81%)
$15,000 - $25,000	1,025 (16.7%)
$25,000 - $50,000	1,358 (22.13%)
$50,000 - $75,000	581 (9.47%)
Greater than $75,000	852 (13.89%)

Age Breakdown (U.S. Census) - Persons (%)	
Children 5 years and younger	690 (5%)
Minors 17 years and younger	2,054 (16%)
Adults 18 years and older	10,987 (84%)
Seniors 65 years and older	1,205 (9%)

Race Breakdown (U.S. Census) - Persons (%)	
White	2,293 (18%)
African-American	9,318 (71%)
Hispanic-Origin	845 (6%)
Asian/Pacific Islander	530 (4%)
American Indian	45 (0%)
Other/Multiracial	855 (7%)

Education Level (Persons 25 & older) (ACS (American Community Survey)) - Persons (%)	
Less than 9th Grade	599 (6.73%)
9th through 12th Grade	1,366 (15.35%)
High School Diploma	2,678 (30.09%)
Some College/2-year	1,802 (20.25%)
B.S./B.A. (Bachelor of Science/Bachelor of Arts) or More	2,079 (23.36%)

LAST UPDATED ON SEPTEMBER 21, 2022

DATA REFRESH INFORMATION

City of Memphis
TENNESSEE

Jim Strickland - Mayor

DIVISION OF FIRE SERVICES
Gina Y. Sweat – Fire Chief

"Teamwork with Commitment to Excellence, Compassion, and Immediate Community Protection"

January 17, 2023

Ensafe
5724 Summer Trees Drive
Memphis, TN 38134

ATT: Trace Hilbun

Re: 295 Red Sox Lane

Sir/Madam:

Our research of your request regarding outstanding fire code violation, for the above address, 295 Red Sox shows that we have files for this location and **NO** outstanding violations. We show no records of hazardous storage, spill, releases, and underground/aboveground tanks in our office. If you need information about **fire reports,** please call **901.636.5429**, for all FOIA quick research email all inquiries to us at fire.prevention@memphistn.gov Last fire inspection completed 7.30.20.

Also, please be advised that the following fee schedule is applied for purchases of inspections, 1st page $10.00 each additional page-$1.00. must be submitted via develop901.com, prior to release of records.

If this inspection is regarding hazardous materials for a property, you may contact the **SORT** office at **Fire Training at 901.636.5724**. I hope that this response adequately addresses your request. If there are any further questions, please contact our office at 901.636.5670.

Respectfully,

City of Memphis-Division of Fire Service

Patricia Alston, Accounting Clerk
Fire Prevention Bureau

City of Memphis
TENNESSEE

Jim Strickland - Mayor

DIVISION OF FIRE SERVICES
Gina Y. Sweat – Fire Chief

"Teamwork with Commitment to Excellence, Compassion, and Immediate Community Protection"

January 17, 2023

Ensafe
5724 Summer Trees Drive
Memphis, TN 38134

ATT: Trace Hilbun

Re: 313 Decatur Street

Sir/Madam:

Our research of your request regarding outstanding fire code violation, for the above address, 313 Decatur shows that we have files for this location and **NO** outstanding violations. We show no records of hazardous storage, spill, releases, and underground/aboveground tanks in our office. If you need information about **fire reports,** please call **901.636.5429**, for all FOIA quick research email all inquiries to us at fire.prevention@memphistn.gov Last fire inspection completed 9.3.09.

Also, please be advised that the following fee schedule is applied for purchases of inspections, 1st page $10.00 each additional page-$1.00. must be submitted via develop901.com, prior to release of records.

If this inspection is regarding hazardous materials for a property, you may contact the **SORT** office at **Fire Training at 901.636.5724**. I hope that this response adequately addresses your request. If there are any further questions, please contact our office at 901.636.5670.

Respectfully,

City of Memphis-Division of Fire Service

Patricia Alston, Accounting Clerk
Fire Prevention Bureau

City of Memphis
TENNESSEE

Jim Strickland - Mayor

DIVISION OF FIRE SERVICES
Gina Y. Sweat – Fire Chief

"Teamwork with Commitment to Excellence, Compassion, and Immediate Community Protection"

January 17, 2023

Ensafe
5724 Summer Trees Drive
Memphis, TN 38134

ATT: Trace Hilbun

Re: 324 Decatur Street

Sir/Madam:

Our research of your request regarding outstanding fire code violation, for the above address, 324 Decatur shows that we have **no** files for this location and **NO** outstanding violations. We show no records of hazardous storage, spill, releases, and underground/aboveground tanks in our office. If you need information about **fire reports,** please call **901.636.5429**, for all FOIA quick research email all inquiries to us at fire.prevention@memphistn.gov

Also, please be advised that the following fee schedule is applied for purchases of inspections, 1st page $10.00 each additional page-$1.00. must be submitted via develop901.com, prior to release of records.

If this inspection is regarding hazardous materials for a property, you may contact the **SORT** office at **Fire Training at 901.636.5724**. I hope that this response adequately addresses your request. If there are any further questions, please contact our office at 901.636.5670.

Respectfully,

City of Memphis-Division of Fire Service

Patricia Alston, Accounting Clerk
Fire Prevention Bureau

City of Memphis
TENNESSEE

Jim Strickland - Mayor

DIVISION OF FIRE SERVICES
Gina Y. Sweat – Fire Chief

"Teamwork with Commitment to Excellence, Compassion, and Immediate Community Protection"

January 17, 2023

Ensafe
5724 Summer Trees Drive
Memphis, TN 38134

ATT: Trace Hilbun

Re: 992 Delmar

Sir/Madam:

Our research of your request regarding outstanding fire code violation, for the above address, 992 Delmar shows that we have **no** files for this location and **NO** outstanding violations. We show no records of hazardous storage, spill, releases, and underground/aboveground tanks in our office. If you need information about **fire reports,** please call **901.636.5429**, for all FOIA quick research email all inquiries to us at fire.prevention@memphistn.gov

Also, please be advised that the following fee schedule is applied for purchases of inspections, 1st page $10.00 each additional page-$1.00. must be submitted via develop901.com, prior to release of records.

If this inspection is regarding hazardous materials for a property, you may contact the **SORT** office at **Fire Training at 901.636.5724**. I hope that this response adequately addresses your request. If there are any further questions, please contact our office at 901.636.5670.

Respectfully,

City of Memphis-Division of Fire Service

Patricia Alston, Accounting Clerk
Fire Prevention Bureau

Trace Hilbun

From: TDEC.Public.Records.Request@tn.gov <noreply+a04c014575bbb6de@formstack.com>
Sent: Monday, January 9, 2023 2:21 PM
To: Trace Hilbun
Subject: Public Records Request

Formstack Submission For: Public Records Request (RDA SW35)

Submitted at 01/09/23 3:21 PM

Requestor's Name:	Trace Hilbun
Phone:	(901) 937-4438
Requestor's E-mail:	thilbun@ensafe.com
Is this request for information related to anticipated or existing litigation?:	No
Is the requestor a Tennessee citizen?:	Yes
Request::	Copy/Duplicate
If costs for copies are assessed, the requestor has a right to receive an estimate. Do you wish to waive your right to an estimate and agree to pay copying and production costs in an amount not to exceed the amount entered by the requestor below?:	No
If yes, then initial below:	
Dollar amount to not exceed:	
Delivery Preference::	Electronic

Select the FROM timeframe date or SPECIFIC DATE for the record(s) sought.:	Sep 01, 2022
Select the TO timeframe date, if needed.:	Jan 09, 2023
What type of record are you requesting?:	Division of Remediation and Division of Underground Storage Tanks files related to the sites listed below from September of 2022 to present
Environmental Site Assessment:	Yes
Location (City):	Memphis
Site ID:	
What subject matter or key words are related to the records being requested?:	• McKenzie (Lane Auto Salvage) – 433 North Waldran – SWM Complaint No. 46636 • Dixie Homes – 916 Poplar Avenue, Memphis, TN - DOR Site ID: 79846, Facility ID: NRS790000198 • Exxon Mobil/Memphis Bulk Plant – 432 N Dunlap, Memphis, TN – DOR Site ID: SRS 790769, UST Facility ID: 9799001 • Church's Fried Chicken – 925 Poplar Ave, Memphis, TN – DOR Site ID: SRS790379 • Southern Steel – 431 Dunlap, Memphis, TN – DOR Site ID: SRS791072 • Memphis Mental Health Institute/Lebonheur Hospital – 865 Poplar, Memphis, TN – DOR Site ID: SRS791119 • BP/Amoco Oil Station # 767/# 18440 – 821 Poplar Avenue, Memphis, TN – UST Facility ID: 9791083 • Success Cleaners – 1000 Jefferson Avenue, Memphis, TN – DOR Site ID:79867 • Spic-N-Span Cleaners - 813-815 Poplar Avenue, Memphis, TN – DOR Site ID: 79217 • VA Medical Center – 1030 Jefferson

	Avenue, Memphis, TN – UST Facility ID: 790807, EPA ID: TNN000410932 • Memphis Steam Laundry – 941 Jefferson Avenue, Memphis, TN – DOR Site ID: 79855 • Auto Chlor System – 746 Poplar Avenue, Memphis, TN – UST Facility ID: 9790057, DOR Site IDs: 79774, SRS791083 • Extra Express Market/7-Eleven #25559 – 777 Poplar Avenue, Memphis, TN - UST Facility ID: 9791539 • Air Mask Service – 1010 Faxon/1010 Foxon, Memphis, TN - UST Facility ID: 9791109 • The Med Adam's Build – 842 Jefferson Avenue, Memphis, TN - UST Facility ID: 9792354 • Le Bonhuer Faculty Office Building – 824 Adams St, Memphis, TN - UST Facility ID: 979903
Do you know what Division this needs to go to?:	Remediation; Underground Storage Tanks;
If site specific, choose the county.:	Shelby County
If needed, upload any supporting documents or maps. :	
Signature of Requestor:	View Signature
Date/Time:	Jan 09, 2023 02:16 PM

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Formstack, 11671 Lantern Road, Suite 300, Fishers, IN 46038

Trace Hilbun

From: Trace Hilbun
Sent: Monday, January 9, 2023 4:13 PM
To: Division Remediation
Subject: RE: Action Required: Public Record Request - ID-1481

I figured that would be the case. I'm just working on an update for a report that was very recently done. Thank you for your time and response!

From: Division Remediation <Division.Remediation@tn.gov>
Sent: Monday, January 9, 2023 4:11 PM
To: Trace Hilbun <thilbun@Ensafe.com>
Cc: TDEC Public.Records.Request <TDEC.Public.Records.Request@tn.gov>
Subject: RE: Action Required: Public Record Request - ID-1481

Trace Hilbun,

There were no recent files available with the dates of September 2022 to current date for any of the DoR files listed. Specifically, the DoR files with SRS proceeding the site id are old files DoR inherited from another divisions with many of the dates of those files are mostly prior to 2010 and have a status of "closed" meaning we would not have any recent information for those old files.

We value your feedback! Please complete our customer satisfaction survey.
TDEC Customer Survey

Valencia Cambrice | Environmental Scientist
Division of Remediation, Central Office
William R. Snodgrass Tennessee Tower, 14th fl.
312 Rosa L. Parks Avenue
Nashville, TN 37243
p.615-532-0910 fax 615-532-0938
valencia.a.cambrice@tn.gov

tn.gov/environment/program-areas/rem-remediation.html

From: Public Records Request for TDEC Automation <BG13BSVCP0036@tn.gov>
Sent: Monday, January 9, 2023 2:31 PM
To: Division Remediation <Division.Remediation@tn.gov>; Donna F. Brown <Donna.F.Brown@tn.gov>; APC Admin <APC.Admin@tn.gov>; MEFO PRR.UST <MEFO.PRR.UST@tn.gov>
Cc: TDEC Public.Records.Request <TDEC.Public.Records.Request@tn.gov>
Subject: Action Required: Public Record Request - ID-1481

Public Records Request for TDEC Automation

Hi Team,

The Public Record Request has one action item pending for you to work on.

Request Id - 1481.

Please do not change subject line while responding.

Original Request Details

Requestor's Name	Trace Hilbun
Requestor's Phone	(901) 937-4438
Requestor's Email	thilbun@ensafe.com
Litigation	No
Tennessee Resident	Yes
Request Type	Copy/Duplicate
Estimate Waiver	No
Waiver Authorization	
Maximum Amount	
Delivery Preference	Electronic
Record Type	Division of Remediation and Division of Underground Storage Tanks files related to the sites listed below from September of 2022 to present
Record Timeframe	Sep 01, 2022 - Jan 09, 2023

Environmental Site Assessment	Yes
Record Location	Memphis
Record Site ID	
Record Key Words	• McKenzie (Lane Auto Salvage) – 433 North Waldran – SWM Complaint No. 46636 • Dixie Homes – 916 Poplar Avenue, Memphis, TN - DOR Site ID: 79846, Facility ID: NRS790000198 • Exxon Mobil/Memphis Bulk Plant – 432 N Dunlap, Memphis, TN – DOR Site ID: SRS 790769, UST Facility ID: 9799001 • Church's Fried Chicken – 925 Poplar Ave, Memphis, TN – DOR Site ID: SRS790379 • Southern Steel – 431 Dunlap, Memphis, TN – DOR Site ID: SRS791072 • Memphis Mental Health Institute/Lebonheur Hospital – 865 Poplar, Memphis, TN – DOR Site ID: SRS791119 • BP/Amoco Oil Station # 767/# 18440 – 821 Poplar Avenue, Memphis, TN – UST Facility ID: 9791083 • Success Cleaners – 1000 Jefferson Avenue, Memphis, TN – DOR Site ID:79867 • Spic-N-Span Cleaners - 813-815 Poplar Avenue, Memphis, TN – DOR Site ID: 79217 • VA Medical Center – 1030 Jefferson Avenue, Memphis, TN – UST Facility ID: 790807, EPA ID: TNN000410932 • Memphis Steam Laundry – 941 Jefferson Avenue, Memphis, TN – DOR Site ID: 79855 • Auto Chlor System – 746 Poplar Avenue, Memphis, TN – UST Facility ID: 9790057, DOR Site IDs: 79774, SRS791083 • Extra Express Market/7-Eleven #25559 – 777 Poplar Avenue, Memphis, TN - UST Facility ID: 9791539 • Air Mask Service – 1010 Faxon/1010 Foxon, Memphis, TN - UST Facility ID: 9791109 • The Med Adam's Build – 842 Jefferson Avenue, Memphis, TN - UST Facility ID: 9792354 • Le Bonhuer Faculty Office Building – 824 Adams St, Memphis, TN - UST Facility ID: 979903
Division	Remediation; Underground Storage Tanks;
County	Shelby County
Upload Documents	
Requestor Signature	View Signature
Date/Time:	01/09/2023 14:16:00
Date Due	01/19/2023 00:00:00
Responsible Team	
Status	New Request

---Note: This mailbox is not monitored. If errors are noted, please take immediate action. Perform the process manually or work with the SoT Automation team to restart the process.

Please do not reply to this email----

Appendix E
Physical Setting Documents

ENSAFE
creative thinking. **custom solutions.** ®

September 21, 2022

Mr. Brian Thomas
PennRose
675 Ponce de Leon Avenue NE, Suite 8500
Atlanta, Georgia 30308

Re: Phase I Environmental Site Assessment Report
Block A of the Legends Park Subdivision — Memphis, Tennessee

Dear Mr. Thomas,

EnSafe Inc. is pleased to provide the enclosed Phase I Environmental Site Assessment Report. If you have any questions or require additional information, please contact me at 901-937-4268 or aharris@ensafe.com.

Respectfully submitted,

EnSafe Inc.

Allison L Harris

By: Allison Harris
Senior Project Manager

PHASE I ENVIRONMENTAL SITE ASSESSMENT REPORT

BLOCK A OF THE LEGENDS PARK SUBDIVISION
MEMPHIS, TENNESSEE 38105

EnSafe Project Number
0888830989

Prepared for:

PennRose
675 Ponce de Leon Avenue NE, Suite 8500
Atlanta, Georgia 30308

Issue Date: September 21, 2022

5724 Summer Trees Drive
Memphis, Tennessee 38134
901-372-7962 | 800-588-7962
www.ensafe.com

creative thinking. **custom solutions.** ®

PHASE I ENVIRONMENTAL SITE ASSESSMENT REPORT

BLOCK A OF THE LEGENDS PARK SUBDIVISION
MEMPHIS, TENNESSEE 38105

EnSafe Project Number
0888830983

Prepared for:

PennRose
675 Ponce de Leon Avenue NE, Suite 8500
Atlanta, Georgia 30308

Issue Date: September 21, 2022

Allison Harris
Senior Project Manager
Environmental Professional

Signature

Environmental Professional Statement:
We declare that, to the best of our professional knowledge and belief, we meet the definition of Environmental Professional as defined in §312.10 of 40 CFR 312. We have the specific qualifications based on education, training, and experience to assess a property of the nature, history, and setting of the subject property. We have developed and performed the all appropriate inquiries in conformance with the standards and practices set forth in 40 CFR Part 312.

Steffen Matthews
Environmental Scientist/Geologist

Signature

Prepared by:

EnSafe Inc.
5724 Summer Trees Drive
Memphis, Tennessee 38134
901-372-7962
800-588-7962
www.ensafe.com

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EXECUTIVE SUMMARY

EnSafe Inc. performed a Phase I Environmental Site Assessment (ESA) of Block A of the Legends Park Subdivision in Memphis, Shelby County, Tennessee (subject property), in general conformance with the ASTM International (ASTM) *Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process* Designation E1527-13 (ASTM 2013).[1] The goal of this Phase I ESA is to identify evidence of *recognized environmental conditions*.[2] The findings, conclusions, and environmental professional opinion in this Phase I ESA report result from interviews; historical, government, and physical setting resource review; and subject property reconnaissance on August 26, 2022.

This environmental assessment has identified the following associated with the subject property:

- The subject property consists of 3.82 acres of a larger 4.77-acre vacant parcel identified as Shelby County Parcel 051017 00018 and is located within the 30.91-acre Legends Park Subdivision (former Dixie Homes housing complex). The subject property is adjoined to the north by Peach Avenue then Interstate 40, to the east by Decatur Street then multi- family residences and a church, to the south by multi-family townhomes, Red Sox Lane, and apartment buildings, and to the west by a portion of the vacant larger parcel.

- The subject property has been developed since at least 1897 with single and multi- family residential buildings. The subject property was part of the former Dixie Homes public housing development from 1937 until 2006 when the area was cleared for redevelopment as the Legends Park Subdivision.

- The Brownfields Voluntary Agreement (BVA) Site 79-846 includes the subject property. The BVA executed on September 29, 2009, outlines environmental conditions identified hydraulically upgradient (south) of the site that include: 1) chlorinated solvent and petroleum impacts to groundwater; and 2) the presence of hydrocarbons and drycleaning solvents in soil gas. Because the site may not have been fully characterized, a Notification of Land Use Restrictions has been imposed. As it applies to the subject property, the land use restrictions 1) prohibit the installation of water wells and use of groundwater at the subject property, 2) in the event of the discovery of contaminants in soil at the

[1] ASTM issued E1527-21 on November 1, 2021; however, EnSafe will continue to use E1527-13 until the United States Environmental Protection Agency approves the use of E1527-21 to comply with the requirements for all appropriate inquiries under 40 Code of Federal Regulations 312.

[2] ASTM defines a *recognized environmental condition* as "the presence or likely presence of any hazardous substances or petroleum products in, on, or at a property: due to any release to the environment; under conditions indicative of a release to the environment; or under conditions that pose a material threat of a future release to the environment."

subject property, the soil must be managed in accordance with a Tennessee Department of Environment and Conservation (TDEC) approved soil management plan, and 3) may require the installation of soil vapor mitigation systems for buildings constructed at the subject property.

- Minkie Jos, a former clothes cleaner and presser, has been identified at the subject property in a city directory for the year 1921 (EnSafe 2020). No additional information was provided in the database records; however, it is important to note that historical documents identify a storefront at this address, which could potentially have been operated as a dry cleaner.

- On the south-adjoining property, one address (311 Decatur Street) was identified in the 1932 city directory as Gordon Cleaners and Dyers, a former clothes cleaner and presser. No additional information was identified in historical records reviewed; however, it is important to note that historical fire insurance maps identify a storefront at this address in 1907, and Gordon Cleaners and Dyers may have operated as a dry cleaner.

- The west- and south-adjoining properties are located within BVA Site ID 79-846. Based on TDEC records reviewed, petroleum polyaromatic hydrocarbon impacted soils were used as geotechnical fill material on the west-adjoining property. To prevent exposure to the petroleum polyaromatic hydrocarbons, the soil is contained beneath an orange "witness barrier" (i.e., safety fencing) and clean fill material.

- The surrounding area has been developed with residential, commercial, and light industrial properties since at least 1897. Various commercial/light industrial businesses such as gasoline stations, automobile repair and service shops, and dry cleaners have operated on surrounding area properties that are expected to have used and possibly stored hazardous substances and/or petroleum products including solvents and other hazardous substances/petroleum products. A total of 17 sites, beyond the subject property and adjoining properties, were identified on environmental databases as having documented releases of hazardous substances and/or petroleum products.

- Five soil gas samples were collected throughout the subject property in 2021. Benzene and naphthalene were detected at concentrations exceeding the United States Environmental Protection Agency residential Vapor Intrusion Screening Levels in one sample location (SG01) on the southeast portion of the subject property. Additionally, concentrations in SG01 exceeded the acceptable residential carcinogenic risk quotient of 1E-05 with a result of 1.20E-05. The planned construction of a new building at the subject property is not in the

vicinity of SG01; however, the intended use of the subject property and location of future structures will dictate further recommendations for soil vapor mitigation.

This assessment has revealed evidence of the following *recognized environmental condition* and *controlled recognized environmental condition* in connection with the subject property.[3]

- BVA Site ID 79-846 includes the subject property and adjoining properties to the west and south. The BVA outlines environmental conditions identified upgradient of these properties that include: 1) chlorinated solvent and petroleum impacts to groundwater, and 2) the presence of hydrocarbons and drycleaning solvents in soil gas. Additionally, numerous sites in the subject property surrounding area have reported releases of hazardous substances and/or petroleum products. Given the BVA and number of sites in the subject property area with reported releases of hazardous substances and/or petroleum products, the potential exists for regional groundwater contamination which constitutes a *recognized environmental condition* for the subject property.

- The subject property is subject to land use restrictions that 1) prohibit the installation of water wells and use of groundwater at the subject property, 2) in the event of the discovery of contaminants in soil at the subject property, the soil must be managed in accordance with a TDEC approved soil management plan, and 3) may require the installation of soil vapor mitigation systems on buildings constructed at the subject property. Therefore, land use restrictions are considered a *controlled recognized environmental condition*.

This executive summary is an excerpt of a detailed Phase I ESA report that includes elements necessary for proper interpretation, including any limitations, exceptions, and deletions to ASTM 2013 and established scope of work. As such, the executive summary should not be used independently of the Phase I ESA report and its supporting documentation.

[3] ASTM defines a *controlled recognized environmental condition* as "a *recognized environmental condition* resulting from a past release of hazardous substances or petroleum products that has been addressed to the satisfaction of the applicable regulatory authority (for example, as evidenced by the issuance of a no further action letter or equivalent, or meeting risk-based criteria established by regulatory authority), with hazardous substances or petroleum products allowed to remain in place subject to the implementation of required controls (for example, property use restrictions, activity and use limitations, institutional controls, or engineering controls)."

1.0 INTRODUCTION

EnSafe Inc. was retained by PennRose to conduct a Phase I Environmental Site Assessment (ESA) of Block A of the Legends Park Subdivision in Memphis, Shelby County, Tennessee (subject property), as shown on Figure 1 (Appendix A). The subject property consists of 3.82 acres of a 4.77-acre vacant grass-covered parcel identified as Shelby County Parcel 051017 00018, which occupies approximately the east half of a city block bound by Peach Avenue, Decatur Street, Delmar Avenue, and Ayers Street. Additionally, the subject property is within the 30.91-acre Legends Park Subdivision (former Dixie Homes housing complex). Figure 2 (Appendix A) is a Site Vicinity Map, which shows the subject property and adjoining properties.

1.1 Purpose

The subject property was assessed with respect to the range of contaminants within the scope of the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA), and petroleum products. This assessment is intended to constitute all appropriate inquiries (AAI) into the previous ownership and uses of the property consistent with good commercial and customary practice as defined in 42 United States Code Section 9601 (35)(B) and promulgated at 40 Code of Federal Regulations Part 312 (AAI Final Rule). As such, the assessment is intended to permit the designated *user* to satisfy one of the requirements to qualify for the innocent landowner, bona fide prospective purchaser, or contiguous property owner limitations on CERCLA liability (hereinafter, the Landowner Liability Protections).

The ASTM International (ASTM) *Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process* Designation E1527-13 (ASTM 2013) is the current industry standard used to define good commercial and customary practice for conducting an environmental site assessment of a parcel of commercial real estate.[1] The goal of a Phase I ESA is to identify evidence of *recognized environmental conditions,* defined by ASTM as, "the presence or likely presence of any hazardous substances or petroleum products in, on, or at a property: (1) due to any release to the environment; (2) under conditions indicative of a release to the environment; or (3) under conditions that pose a material threat of a future release to the environment."

[1] ASTM issued E1527-21 on November 1, 2021; however, EnSafe will continue to use E1527-13 until the United States Environmental Protection Agency approves the use of E1527-21 to comply with the requirements for all appropriate inquiries under 40 Code of Federal Regulations 312.

In accordance with ASTM 2013, this Phase I ESA was also intended to identify the following:

- *Controlled recognized environmental condition:* "a *recognized environmental condition* resulting from a past release of hazardous substances or petroleum products that has been addressed to the satisfaction of the applicable regulatory authority (for example, as evidenced by the issuance of a no further action letter or equivalent, or meeting risk-based criteria established by regulatory authority), with hazardous substances or petroleum products allowed to remain in place subject to the implementation of required controls (for example, property use restrictions, activity and use limitations, institutional controls, or engineering controls)."

- *Historical recognized environmental condition:* "a past release of any hazardous substances or petroleum products that has occurred in connection with the property and has been addressed to the satisfaction of the applicable regulatory authority or meeting unrestricted use criteria established by a regulatory authority, without subjecting the property to any required controls (for example, property use restrictions, activity and use limitations, institutional controls, or engineering controls)."

- *Business environmental risk:* "a risk which can have a material environmental or environmentally-driven impact on the business associated with the current or planned use of a parcel of commercial real estate, not necessarily limited to those environmental issues required to be investigated in this practice."

- *De minimis condition:* "a condition that generally does not present a threat to human health or the environment and that generally would not be the subject of an enforcement action if brought to the attention of appropriate governmental agencies." A condition found to be *de minimis* is not a *recognized environmental condition* or *controlled recognized environmental condition*.

1.2 Scope of Services

The Phase I ESA includes the following:

- Visual assessment of the subject property on August 26, 2022, by Mr. Steffen Matthews of EnSafe under the direction of Ms. Allison Harris; resumes are included in Appendix B.

- Interviews with personnel discussed in Section 3.1.

- Review of standard and additional federal, state, and local environmental records sources for the subject property and properties within ASTM 2013 approximate minimum search distances (AMSDs). Database search information is provided in Appendix C.

- Review of the historical resources (i.e., United States Geological Survey topographic maps, aerial photographs, fire insurance maps, and city directories) and land-use records included in the prior Phase I ESA, dated February 2022 (EnSafe, February 2022).

- Review of regulatory information available from the United States Environmental Protection Agency (U.S. EPA) Envirofacts website, regulatory files available through the Tennessee Department of Environment and Conservation (TDEC), and information on TDEC websites. Select information is provided in Appendix D.

- Review of historical, physical setting, and regulatory information from Phase I ESAs dated November 2020 and February 2022 (EnSafe 2020 and February 2022) of the subject property; the February 2022 Phase I ESA is included in Appendix E of this Phase I ESA Report.

- Review of the user questionnaire provided to the Client and completed by Mr. Brian Thomas, PennRose Developer, as documented in Appendix E.

- Review of information from the websites listed in Section 6.

1.3 Client Information and User Responsibilities

EnSafe was retained by PennRose to conduct the Phase I ESA. According to ASTM, the *user* shall make known the reason for the Phase I ESA. In contracting EnSafe for the Phase I ESA, Mr. Thomas indicated the Phase I ESA was being conducted as part of due diligence before purchase, to obtain financing, and as part of a 4% Low-Income Housing Tax Credit Application with the Tennessee Housing Development Agency.

The AAI Final Rule and Section 6.0 of ASTM 2013 describe tasks to be performed by the *user* that are required to qualify for Landowner Liability Protections to CERCLA liability. The information that results from those tasks should be provided to the environmental professional to consider with respect

to identifying *recognized environmental conditions*. Appendix E contains a questionnaire provided to the *user* outlining those tasks.

1.4 Non-Scope Items

At the request of PennRose, and as documented in Appendix E, EnSafe's Phase I ESA scope of work was not expanded to include consideration of environmental issues or considerations that are beyond the scope of ASTM 2013.

2.0 PHYSICAL SETTING

Table 1 summarizes information obtained from review of physical setting sources and other sources reviewed during the Phase I ESA listed in Section 1.2.

Table 1
Physical Setting Summary

Topography	
Elevation (feet above mean sea level)	255 to 270
Topography	The central portion of the subject property is higher in elevation than the property perimeter. Additionally, the central-east portion is higher than the central-west portion.
Evidence of landfilling or excavation	Soil from other areas within the Legends Park Subdivision was stockpiled and used as fill on the subject property, which is further discussed in Section 3. In addition, "abundant brick debris" was encountered at 4 to 6 feet below ground surface (bgs) and concrete was encountered at 6 feet bgs in boring SB02 advanced in the central-east portion of the subject property in 2021. Traces of brick, sand, and cinders were encountered at 10 feet bgs in boring SB03 in the central-north portion of the subject property (EnSafe 2021).
Adjoining — higher elevation	East-southeast
Adjoining — lower elevation	Southwest
Surface Water and Subject Property Drainage	
Subject property surface water features	None
Adjoining surface water features	None
Nearest water body	Quimby Bayou
Direction and approximate distance to nearest water body	Approximately 740 feet west
Storm water management	Storm water that does not infiltrate grass surfaces is expected to follow surface topography and flow toward curbside storm drains on adjoining streets.
Flood zone (summarized from Appendix E)	The subject property is not mapped within the 100- or 500-year flood zones.
Wetlands (summarized from Appendix E)	No wetlands are mapped on the subject property.
Geology	
Soil types (and estimated depths/thickness)	Five soil borings installed in 2021 to depths of 28 to 32 feet bgs encountered predominantly silty clay. Limited intervals of silty clay with gravel and sand or with pebbles and gravel were encountered in some of the borings. Alternating clay and silty clay were also encountered in a few borings at depths greater than 20 feet bgs (EnSafe 2021).
Bedrock (depth and type)	Not reported in sources reviewed for this assessment.
Hydrogeology	
Wells on subject property	Five temporary groundwater wells installed in 2021 were removed and abandoned with bentonite chips after sampling (EnSafe 2021).
Approximate depth to groundwater (feet) at the subject property	Groundwater was observed at 12 to 25 feet bgs in 2021 (EnSafe 2021).
Reported direction of groundwater flow at the subject property	Not identified in sources reviewed for this assessment.
Relevant surrounding property wells	Two sentinel groundwater monitoring wells installed at 918 and 934 Poplar Avenue (within the Legends Park Subdivision) are approximately 0.20 and 0.25 mile southwest of the subject property.
Approximate depth to groundwater (feet)	12 to 25
Reported direction of groundwater flow	North to northwest

3.0 SUBJECT PROPERTY

Subject property information discussed below was obtained from interviews and sources identified in Section 1.2 and referenced in Section 6.

3.1 Interviews

Table 2 lists personnel interviewed, indicates their association with the subject property or this Phase I ESA, and summarizes topics discussed and information provided. Table 2 also lists local and state agencies from which EnSafe requested information and the results of those inquiries.

Table 2
Summary of Interviews

Name	Affiliation	Association with Subject Property	Time[1]	Information Provided/ Section Discussed
Ms. Deborah Payne	Memphis Housing Authority	Key Site Manager Current Owner Representative	14	Ms. Payne provided information regarding current and historical subject property operations and development. Information provided is discussed in Sections 3 and 4.
Ms. Luretha Phillips	Memphis Housing Authority	Current Owner Representative	26	Ms. Phillips provided information regarding current and historical subject property operations and development. Information provided is discussed in Sections 3 and 4.
Ms. Alison Campany	TDEC — Division of Remediation	State Environmental Agency Official	20	Ms. Campany provided information regarding Legends Park Subdivision and surrounding area environmental database listings. Information provided is discussed in Sections 3 and 4.

Summary of Records Requests

Name	Agency	Result of Inquiry/Section Discussed
Ms. Patricia Alston	Memphis Division of Fire Prevention	No records were identified related to the subject property. No records related to adjoining or surrounding properties were identified.
Ms. Alison Hensley	TDEC — Division of Remediation	Additional records beyond those obtained during the February 2022 Phase I ESA were not identified for the subject property or adjoining and surrounding properties.
Ms. Jenaka Bowen	TDEC — Memphis Field Office	Additional records beyond those obtained during the February 2022 Phase I ESA were not identified for the subject property or adjoining and surrounding properties.

Notes:
[1] Length of time or number of years the person has been affiliated or familiar with the subject property or surrounding area.
TDEC = Tennessee Department of Environment and Conservation

3.2 Prior Environmental Assessments

Prior environmental assessments that include the subject property have been conducted since 2003, including three Phase I ESAs, soil sampling summaries, and multiple Phase II investigations. Reports summarized in this section are those evaluating the portion of the Legends Park Subdivision (former Dixie Homes) north of Delmar Avenue (i.e., portions of the Legends Park Subdivision site that include the subject property). Findings for the entire Legends Park Subdivision site are summarized in Section 3.6. A copy of the prior February 2022 Phase I ESA is included in Appendix E.

2020 Phase I Environmental Site Assessment

A Phase I ESA for the approximate subject property boundary was performed in November 2020 (EnSafe 2020). The Phase I ESA identified that Legends Park Subdivision (including the subject property) lies within the Dixie Homes State Remediation Program (SRP) site 79-846 (discussed in Section 3.6); additionally, a Notice of Land Use Restriction was imposed on the Legends Park Subdivision as an institutional control to address groundwater contamination. The 2020 Phase I ESA identified the following *recognized environmental condition* and *controlled recognized environmental condition*:

- "Given the BVA [Brownfields Voluntary Agreement] and number of sites in the subject property area with reported releases of hazardous substances and/or petroleum products, the potential exists for regional groundwater contamination which constitutes a *recognized environmental condition* for the subject property."

- "The subject property is subject to Land Use Restrictions that 1) prohibit the installation of water wells and use of groundwater at the subject property, 2) in the event of the discovery of contaminants in soil at the subject property, the soil must be managed in accordance with a TDEC-approved soil management plan, and 3) may require the installation of soil vapor mitigation systems on buildings constructed at the subject property. Therefore, the land use restrictions are considered a *controlled recognized environmental condition*."

2021 Phase II Environmental Site Assessment

In December 2021, a Phase II ESA was conducted to evaluate the site for potential chemicals of concern associated with historical operations. Five soil borings (SB01-SB05) were advanced at the subject property portion of the Brownfields Voluntary Agreement (BVA) site (EnSafe 2021). Two soil samples were collected from each soil boring location and each was converted into a

temporary monitoring well to collect a groundwater sample. Additionally, soil gas samples were collected from five locations across the subject property.

Metals data identified arsenic and chromium concentrations in soil above residential and industrial U.S. EPA Regional Screening Levels (RSLs). Arsenic only exceeded the Tennessee background level (10 milligrams per kilogram [mg/kg]) in a single soil sample from 16 to 20 feet below ground surface (bgs) (TDEC 2001). Chromium exceeded the Tennessee background level (20 mg/kg) in soil samples from three separate soil borings from 24 to 32 feet bgs. The Phase II ESA report concluded these concentrations were not statistically higher than the Tennessee background levels. Polyaromatic hydrocarbon (PAH) data identified benzo(a)pyrene concentrations in soil from 4 to 8 feet bgs in one soil boring above residential and industrial RSLs. All other detections in soil were below RSLs, including volatile organic compounds (VOCs) and extractable petroleum hydrocarbons (EPH).

Groundwater samples did not have concentrations of metals, VOCs, PAHs, or EPH above their respective U.S. EPA maximum contaminant level or tapwater RSLs.

Five soil gas samples (SG01-SG05) were collected throughout the subject property. The VOC data identified benzene (13.8 micrograms per cubic meter [µg/m^3]) and naphthalene (26.8 µg/m^3) concentrations in one soil gas sample location (SG01) above the U.S EPA residential Vapor Intrusion Screening Levels (VISLs) of 12 µg/m^3 for benzene and 2.75 µg/m^3 for naphthalene. Additionally, naphthalene exceeded the commercial VISL of 12 µg/m^3. Concentrations detected at SG01 also exceeded the maximum U.S. EPA VISL carcinogenic risk, a calculated and location-specific unitless quotient, of 1E-05 with a risk of 1.20E-05. The Phase II report concluded vapor mitigation should be considered for future development within sample area SG01 (southeast corner of the subject property), and the future use of the subject property will dictate further recommendations for, but not limited to, a passive mitigation system or vapor barrier.

February 2022 Phase I Environmental Site Assessment

A Phase I ESA conducted in February 2022 included ASTM 2013 non-scope items concerning National Environmental Policy Act environmental factors (EnSafe 2022). The Phase I ESA identified the same *recognized environmental condition* related to the BVA and surrounding area properties and the same *controlled recognized environmental condition* related to the Notice of Land Use Restriction detailed in the 2020 Phase I ESA. Additionally, the February 2022 Phase I ESA stated the ASTM 2013 non-scope issues related to compliance with National Environmental Policy Act were

assessed under National Housing Trust Fund guidance, and the project was found to comply with ASTM non-scope issues.

3.3 Historical Development and Uses

The historical document review and interviews were conducted to identify evidence of *recognized environmental conditions* in connection with past uses of the subject property.

3.3.1 Historical Development

The earliest historical resource reviewed for this Phase I ESA is an 1897 fire insurance map, included with historical sources obtained for the prior February 2022 Phase I ESA in Appendix E, which shows the subject property developed with numerous residential buildings along the east, south, and west portions, with a small stream traversing the north portion. The subject property remains primarily residential, except for a few shops/storefronts along Decatur Street, on the 1907 fire insurance map. Additionally, the small stream is no longer depicted by 1907. The 1916 and 1927 topographic maps depict multiple small structures in the central portion of the subject property and along the east and west property boundaries. A 1937 aerial photograph shows what appear to be multi-family residential buildings constructed throughout the subject property, except on the extreme eastern portion. The 1951 and 1952 fire insurance maps indicate the Dixie Homes Apartments residential buildings were constructed between 1936 and 1937, and apartment buildings on the east portion of the subject property were constructed in 1950. The subject property remains relatively unchanged in subsequent aerial photographs reviewed through 2006, except for the construction of Interstate 40 and rerouting of Peach Avenue along the north subject property boundary between 1969 and 1973. By 2007, the buildings have been razed and the subject property appears to be a vacant, unpaved, grass-covered lot. The 2010 aerial photograph shows the subject property cleared of most vegetation in preparation for development and construction activities, with several excavators visible. Grading and construction activities appear to continue until early 2012. By the November 2012 aerial photograph, the subject property is completely covered with grass. No significant changes were noted on aerial photographs reviewed from 2012 to 2021.

City directories obtained as part of the February 2022 Phase I ESA (EnSafe 2022) were reviewed at 3- to 6-year intervals from 1932 through 2020. The subject property had multiple addresses associated with residential buildings between 1932 and 2005: 945 to 1001 Peach Avenue, 319 to 347 Decatur Street, and 980 Delmar Avenue. The 2020 Phase I ESA (EnSafe 2020) identified

one subject property address, 335 Decatur Street, as Minkie Jos, a potential former dry cleaner, which is listed in the 1921 city directory.

3.3.2 Historical Uses and Operations

Based on historical sources reviewed, the subject property has been developed since at least 1897. Historical records indicate the subject property was residential in 1897 and remained primarily residential until 2006. According to Ms. Luretha Phillips with the Memphis Housing Authority (MHA), the former Dixie Homes, a public housing development, began construction in 1938; the former public housing development included the subject property parcel and multiple parcels to the south. According to Ms. Deborah Payne of the MHA, the MHA acquired title to the Dixie Homes site from the United States Housing and Home Finance Agency and Public Housing Administration in April 1951 and 1953. Based on information provided by MHA representatives, the housing development remained relatively unchanged until the buildings were demolished in 2006. Based on environmental records reviewed (discussed in Section 3.6), pre-construction activities, including various environmental assessments and investigations, were conducted for the Legends Park Subdivision (including the subject property) between 2003 and 2012. According to Ms. Phillips, building construction within the Legends Park Subdivision began in 2009. A 2010 aerial photograph appears to show the subject property being used to stage construction materials and equipment. The subject property has remained vacant since approximately 2012.

3.4 Current Uses

The subject property was visually assessed on August 26, 2022, by Mr. Matthews of EnSafe. The purpose of the site reconnaissance was to determine current uses and to identify evidence of *recognized environmental conditions* in connection with the subject property. Photographs taken during the site visit are in Appendix F. EnSafe personnel walked throughout the subject property unaccompanied. Adjoining and surrounding area properties were observed from the subject property boundaries and from nearby roads and driveways.

The subject property comprises 3.82 acres of vacant grass land within the Legends Park Subdivision with a fence comprising the north, east, and southeast subject property perimeter. Ms. Payne stated the subject property had no current operations or uses. MHA representatives had no knowledge of groundwater wells, septic tanks/systems, underground storage tanks, aboveground storage tanks, and/or utility services associated with the subject property.

3.5 Exterior Observations

Table 3 lists environmental issues and identifies those present or applicable to the subject property, based upon EnSafe's visual observations of the exterior, interviews, review of environmental records sources, regulatory research, and other publicly available and reasonably ascertainable information. Each environmental issue present or applicable is discussed in sections as noted in the table.

Table 3
Subject Property Observations

Current or Past Use	Present or Applicable	Comment/Report Section
Hazardous Substances and Petroleum Products	**No**	—
Storage Tanks	**No**	—
Odors (strong, pungent, or noxious)	**No**	—
Pools of Liquids	**No**	—
Drums (5 gallons and larger)	**No**	—
Unidentified Substance Containers	**No**	—
Polychlorinated Biphenyls (associated with electric or hydraulic equipment)	**No**	—
Fuel Source for Heating and Cooling Systems	**No**	—
Stains or Corrosion (on building walls, floor, and ceilings)	**No**	—
Floor Drains, Sumps, and Pits	**No**	—
Pits, Ponds, or Lagoons	**No**	—
Stained Soil or Pavement	**No**	—
Stressed Vegetation	**No**	—
Solid Waste	**Yes**	Windblown trash (e.g., food wrappers, drink containers) was observed along the north perimeter of the subject property. Additionally, a discarded automobile tire was observed along the east fence line.
Hazardous Waste	**No**	—
Wastewater	**No**	—
Wells	**No**	—
Septic Systems or Cesspools	**No**	—

3.6 Environmental Records Review

EnSafe obtained standard environmental record source information directly from a commercial service, TDEC, and U.S. EPA databases. The Legends Park Subdivision (former Dixie Homes), which includes the subject property, was identified on the TDEC Voluntary Cleanup, Oversight and Assistance Program (VOAP), Brownfield, and Institutional Control databases.

The subject property is part of the Legends Park Subdivision/former Dixie Homes TDEC VOAP site. According to Ms. Alison Campany with the TDEC Division of Remediation, the MHA has entered into multiple BVAs to address impacts to soil, soil gas, and groundwater on various lots within the Legends Park Subdivision that are planned for future residential development and use. Based on the regulatory information reviewed, TDEC Division of Remediation site ID 79-846 (hereinafter referred to as the BVA site) includes the subject property. The BVA executed on September 29, 2009, outlines environmental conditions identified hydraulically upgradient of the site that include 1) chlorinated solvent and petroleum impacts to groundwater, and 2) the presence of hydrocarbons and drycleaning solvents in soil gas. Based on TDEC records reviewed, groundwater samples were collected from two sentinel wells (SW-1 and SW-2) on the southwest corner of the BVA site, not on the subject property, between October 2010 and July 2012 for analysis of VOCs. Chlorinated solvent detections exceeded the U.S. EPA drinking water maximum contaminant levels. TDEC records indicate VOC impacts to BVA site groundwater likely originated from historical uses associated with properties farther south.

Because the BVA site may not have been fully characterized, a Notification of Land Use Restrictions has been imposed. As it applies to the subject property, the land use restriction 1) prohibits the installation of water wells and use of groundwater at the subject property, 2) in the event of the discovery of contaminants in soil at the subject property, other than PAHs, the soil must be managed in accordance with a TDEC-approved soil management plan, and 3) may require the installation of soil vapor mitigation systems for buildings constructed at the subject property.

The 2020 Phase I ESA (EnSafe 2020) identified one subject property address, 335 Decatur Street, in the environmental database for the year 1921. The occupant was listed as Minkie Jos, a former clothes cleaner and presser. No additional information was provided in the 2020 database report; however, it is important to note that historical documents identify a storefront at this address and Minkie Jos may have operated as a dry cleaner. No additional information for this potential prior dry cleaner was identified as part of this Phase I ESA.

4.0 AREA RECONNAISSANCE

The current and historical uses of adjoining and surrounding area properties described below are based upon visual observations during the site reconnaissance and information obtained from interviews, historical research, and regulatory research conducted for the subject property. A commercial environmental database company provided a database search report that made environmental records for surrounding area properties within the ASTM-defined AMSDs reasonably ascertainable. Sites listed in the environmental records search within the ASTM-defined search distances for the databases on which they appear are discussed in Sections 4.1 through 4.3.

4.1 Adjoining Properties

The subject property is adjoined to the north by Peach Avenue and Interstate 40, beyond which are vacant grass-covered parcels and the formerCarnes Elementary School; to the east by Decatur Street, beyond which are multi-family residences and Columbus Baptist Church; to the south (from east to west) by a vacant grass lot, Legends Park Townhomes, Delmar Avenue beyond which are Legends Parks Townhomes, Red Sox Lane beyond which is the Legends Park courtyard, and Legends Park Apartments; and to the west by a vacant grass lot (portion of the larger parcel of which the subject property is a part).

4.1.1 North

The subject property is adjoined to the north, beyond Peach Avenue and Interstate 40, by vacant grass-covered parcels and the former Carnes Elementary School. Based on historical records reviewed, the north-adjoining properties were primarily residential, including a school, as early as 1897 and remained relatively unchanged through the early 1900s. However, a creek or drainage labeled "Run" is shown in the 1897 fire insurance map running through the north adjoining properties, where Peach Avenue and Interstate 40 are present day, but this stream does not appear in subsequent records. The 1937 aerial photograph shows residential structures associated with the former Dixie Homes in the current location of Peach Avenue and Interstate 40, and it also shows two large buildings and numerous smaller buildings farther north. The 1951 fire insurance map shows primarily residential buildings, a church, and school buildings (the Former Carnes Elementary School) on the north-adjoining properties. The fire insurance map indicates that the school buildings were constructed in 1920, 1939, and 1944. The north-adjoining properties appear relatively unchanged until construction of Interstate 40 and the rerouting of Peach Avenue between 1969 and 1973. Except for the former Carnes Elementary School and associated additions, the north-adjoining properties beyond Interstate 40 remain either residential or vacant grass-covered lots.

No environmental records were identified for the north-adjoining properties.

4.1.2 East

The subject property is adjoined to the east, beyond Decatur Street, by multi-family residences and Columbus Baptist Church. Based on historical records reviewed, the east-adjoining properties were residentially developed as early as 1897. A church is depicted on the 1907 fire insurance map. City directories list primarily residential addresses for the east-adjoining properties from at least 1932 until 2005 and Columbus Baptist Church from at least 1940 to 2011.

No environmental records were identified for the east-adjoining properties.

4.1.3 South

The subject property is adjoined to the south (east to west) by a vacant lot, Legends Park Townhomes, Delmar Avenue beyond which are Legends Parks Townhomes, Red Sox Lane beyond which is the Legends Park courtyard, and Legends Park Apartments. Based on historical records reviewed, the south-adjoining properties were primarily residential with some shops as early as 1897 and 1907. The 1927 topographic map shows numerous small structures on the south-adjoining property, and by 1937 the property is redeveloped with residential structures associated with the former Dixie Homes. Based on historical records reviewed, the south-adjoining properties remained residential until 2007 when the area was cleared for redevelopment. The 2010 aerial photograph shows an apparent storm water detention basin on the western part of the south-adjoining property. The 2012 aerial photograph shows the detention basin has been filled, likely when the Legends Park Apartments were constructed. According to Ms. Phillips, the Legends Park Townhomes were constructed in 2009.

The south-adjoining properties are within the Legends Park Subdivision VOAP/BVA site as previously discussed in Section 3.6. In accordance with the BVA associated with SRP Site ID 79-846, to prevent exposure to the PAH contaminants remaining in the soil, an orange plastic witness barrier was placed over contaminated soil, then covered with at least 2 feet of clean fill material, between June and October 2010.

Gordon Cleaners and Dyers, at 311 Decatur Street, was identified as a former clothes cleaner and presser in the 1932 historical city directory obtained for the February 2022 Phase I ESA. No additional information was identified in historical and database resources obtained for this Phase I ESA;

however, it is important to note that historical fire insurance maps identify a storefront at this address in 1907 and Gordon Cleaners and Dyers may have operated as a dry cleaner.

4.1.4 West

The subject property is adjoined to the west by a vacant grass lot that is the west portion of Shelby County Parcel 051017 00018, of which the subject property is a part. Based on historical records reviewed, the west-adjoining property was previously developed with multi-family residential lots as early as 1897. The 1907 fire insurance map and 1927 topographic map show numerous small structures on the west-adjoining property, with an area clear of structures on the west side. The 1937 aerial photograph shows at least two residential structures associated with the former Dixie Homes on the east half of the west-adjoining property, while the west half is clear of structures. The 1951 fire insurance map indicates the west portion of the west-adjoining property is a playground. Based on historical records reviewed, the west-adjoining property remained a residential and playground/park area until 2007 when the area was cleared for redevelopment. The 2010 aerial photograph shows an apparent storm water detention basin on the west-adjoining property. The 2012 aerial photograph shows the detention basin has been filled and the west-adjoining property is a vacant grass-covered area. According to Ms. Payne, the west-adjoining property was used to stockpile soil from the Legends Park Subdivision construction and environmental activities occurring from 2009 to 2012.

The west-adjoining property is located within the Legends Park Subdivision VOAP/BVA site as previously discussed in Section 3.6. Based on TDEC records reviewed, PAH-impacted soils were used as geotechnical fill material on the west-adjoining property. In accordance with BVA Site ID 79-846, to prevent exposure to the PAH contaminants remaining in the soil, an orange plastic witness barrier was placed over impacted soil, then covered with at least 2 feet of clean fill material, between June and October 2010.

4.2 Surrounding Area Properties

The surrounding properties have been developed with residential, commercial, and light industrial properties since at least 1897. The environmental database search identified a total of 39 sites beyond the subject property and adjoining properties. Of these sites, 13 are within the ASTM-defined AMSDs; additionally, six sites not listed on the environmental database report were identified in the prior 2020 and February 2022 Phase I ESAs. The 17 sites identified are summarized in Table 4.

Table 4
Surrounding Area Environmental Database Listings

Facility Name	Address(es)	Approximate Distance from Subject Property	Database Listing(s)	Identification Number(s)	Status	Notes	Potential Impact to Subject Property
Memphis Bulk Plant	432 North Dunlap Street	0.25 mile northwest	LUST, VCP, and SRP	790769 and 799001	Closed, Land Use Restrictions	• Petroleum constituents detected in soil, soil gas, and groundwater. • Groundwater flows generally to the west. • Site-specific standards issued • TDSWM approves closure with land-use restrictions in 2005.	Not expected to migrate to subject property based on groundwater flow direction
Southern Steel	431 Dunlap Street	0.28 mile northwest	VCP, SRP, and Institutional Controls	791072	No Further Action	• Petroleum constituents detected in soil. VOCs and SVOCs detected in groundwater. • TDSWM approves closure with land-use restrictions in 2009.	Not expected to migrate to subject property based on site regulatory status and groundwater flow direction
Church's Fried Chicken	925 Poplar Avenue	0.26 mile south-southwest	VCP and SRP	790379	Inactive, No Further Action	• Petroleum impacts in soil and shallow groundwater. • Groundwater flow reported to the north/northwest. • SRP issued no further action required for petroleum impacts on March 1, 2011.	Not expected to migrate to subject property based on site regulatory status and groundwater flow direction
Le Bonheur Hospital/Memphis Mental Health Institute	865 Poplar Avenue	0.28 mile southwest	VCP and SRP	792714 and791119	Closed	• EPH detected in soil samples. • SRP issued no further action required status on November 17, 2009.	Not expected to migrate to subject property based on contamination being limited to soils and distance to subject property
VA Medical Center	1030 Jefferson Avenue	0.25 mile south	SEMS and LUST	TNN000410932 and 790807	Closed	• One UST was removed in December 1998; TDEC DUST issued closure on November 5, 1999.	Not expected to have had contamination that migrated to subject property based on regulatory status and distance from subject property

Table 4
Surrounding Area Environmental Database Listings

Facility Name	Address(es)	Approximate Distance from Subject Property	Database Listing(s)	Identification Number(s)	Status	Notes	Potential Impact to Subject Property
University Behavioral	135 North Pauline	0.33 mile south	LUST	791029	Case Closure	• One 2,000-gallon diesel UST and associated piping were removed in January 1999. • Soil detections below applicable action levels. • TDEC DUST issued case closure on July 1, 1999.	Not expected to have had contamination that migrated to subject property based on soil analysis and regulatory status
Amoco/ Poplar Avenue BP	821 Poplar Avenue	0.38 mile southwest	LUST	791083	Case Closure	• Petroleum impacts identified in soil and groundwater. • TDEC DUST issued contaminated case closure on August 28, 2015.	Not expected to migrate to subject property based on distance from the subject property and groundwater flow direction
Success Cleaners	1000 Jefferson Avenue	0.41 mile south	SRP	79867	Non-site	• Site identified along with Memphis Steam Laundry & Cleaners site as possible source of PCE detected in groundwater samples collected at the Legends Park Subdivision site. • TDEC files from 2018 indicate the site is to be considered a "non-site" until impacts are recognized.	Potential for contamination to have migrated to the subject property based on possible drycleaning operations and groundwater flow direction
Auto-Chlor System	746 Poplar Avenue	0.43 mile southwest	LUST, VCP, and SRP	790057, 79774, and 791083	Closed	• Petroleum hydrocarbon, VOC, and PAH impacts in soil and groundwater • Radial groundwater flow to the northwest, northeast, and southwest. • TDEC DOR issued no further action with land-use restrictions on October 26, 2016.	Potential for contamination to have migrated to the subject property based on groundwater analysis and flow direction.

Table 4
Surrounding Area Environmental Database Listings

Facility Name	Address(es)	Approximate Distance from Subject Property	Database Listing(s)	Identification Number(s)	Status	Notes	Potential Impact to Subject Property
Spic N Span	813-815 Poplar Avenue	0.41 mile southwest	SRP and DCERP	79217	Closed	• Benzene, PCE, TCE, vinyl chloride, and 1,2-dichloroethylene were detected in groundwater above applicable action levels and benzene, PCE, and 1,2-dichloroethylene were detected in soil below applicable action levels. • DCERP authorized closure on November 13, 2007.	Not expected to migrate to the subject property based on distance from the subject property, regulatory status, and groundwater flow direction.
Memphis Steam Laundry and Cleaners	941 Jefferson Avenue	0.41 mile south-southwest	SRP	79855	Open	• Site identified along with Success Cleaners site as possible source of PCE detected in groundwater samples collected at the Legends Park Subdivision site. • TDEC files indicate a schedule for a sampling event was proposed for June 2009; however, records reviewed do not indicate if the event took place. At the time of this report's writing, the site is listed as "Pre-Remedial".	Potential for contamination to have migrated to the subject property based on possible drycleaning operations and groundwater flow direction
Extra Express Market/ 7-Eleven/ Flash Oil Co #72	777 Poplar Avenue	0.42 mile southwest	LUST	791539	Contamination Case Closed	• Petroleum contaminated soil and groundwater identified. • TDEC DUST issued case closure on May 9, 2018.	Not expected to migrate to the subject property based on distance from the subject property, regulatory status, and groundwater flow direction.

Table 4
Surrounding Area Environmental Database Listings

Facility Name	Address(es)	Approximate Distance from Subject Property	Database Listing(s)	Identification Number(s)	Status	Notes	Potential Impact to Subject Property
Air Mask Service Unit	1010 Faxon Avenue	0.43 mile north	LUST	791109	Completed Tank Closure	• One 500-gallon diesel UST and associated piping drained and capped in September 1991. • Soil sample results collected from tank pit were non-detect or below applicable action levels for petroleum constituents. • TDEC DUST issued case closure on February 26, 1996.	Not expected to migrate to subject property based on contamination being limited to soils, distance to subject property, and groundwater flow direction
The Med Adam's Building	842 Jefferson Avenue	0.45 mile south-southwest	LUST	792354	Contamination Case Closed	• One 20,000-gallon UST and associated piping drained and capped in July 1999. • TDEC DUST issued case closure on February 6, 2002.	Not expected to have had contamination that migrated to the subject property based on regulatory status
Le Bonheur Faculty Office Building	824 Adams Avenue	0.46 mile southwest	LUST	799039	Completed Tank Closure	• One 1,000-gallon UST, one 500-gallon UST, and piping were removed in August 2015. • Soil samples collected from tank pit non-detect or below applicable action levels for petroleum constituents. • TDEC DUST issued case closure on August 18, 2015.	Not expected to have had contamination that migrated to the subject property based on soil analysis
Former Scott Union	749 North Parkway	0.47 mile northwest	LUST	790606	Contamination Case Closed	• Four 4,000-gallon and one 500-gallon USTs removed in February 1993. TDEC DUST issued case closure on May 13, 1993. • Release identified during Phase II in January 2000; impacted soils excavated; TDEC DUST issued case closure on September 13, 2000.	Not expected to have had contamination that migrated to the subject property based on soil analysis and groundwater flow direction

Table 4
Surrounding Area Environmental Database Listings

Facility Name	Address(es)	Approximate Distance from Subject Property	Database Listing(s)	Identification Number(s)	Status	Notes	Potential Impact to Subject Property
Super Stop	945 Jackson Avenue	0.49 mile north	LUST	791890	Contaminated Closure	• Three USTs removed in August 1997. • TDEC DUST issued contaminated closure on October 2, 2000.	Not expected to migrate to the subject property based on distance from the subject property and groundwater flow direction

Notes:
LUST = Leaking Underground Storage Tank
VCP = Voluntary Cleanup Program
SRP = State Remediation Program
TDSWM = Tennessee Division of Solid Waste Management
VOC = volatile organic compound
SVOCs = semi-volatile organic compounds
EPH = Extractable petroleum hydrocarbon
SEMS = Superfund Enterprise Management System
UST = Underground storage tank
TDEC = Tennessee Department of Environment and Conservation
DUST = Division of Underground Storage Tanks
PCE = Tetrachloroethylene or perchloroethylene
PAH = Polyaromatic hydrocarbon
DOR = Division of Remediation
DCERP = Drycleaner Environmental Response Program
TCE = Trichloroethylene

4.3 Unmapped Sites

The environmental database search identified one site with environmental records which it could not map due to poor or inadequate address information. This site was determined to be beyond the ASTM-defined AMSDs for the database on which it was listed and was not researched further.

5.0 RESULTS OF THE ENVIRONMENTAL PROFESSIONAL INQUIRY

EnSafe performed a Phase I ESA of Block A of the Legends Park Subdivision in Memphis, Shelby County, Tennessee, in general conformance with the scope and limitations of ASTM 2013. Any exceptions to, or deletions from, this practice mentioned throughout the report are discussed in Sections 5.3 and 5.4.

5.1 Summary of Findings and Conclusions

- The subject property consists of 3.82 acres of a larger 4.77-acre vacant parcel identified as Shelby County Parcel 051017 00018 and is located within the 30.91-acre Legends Park Subdivision (former Dixie Homes housing complex). The subject property is adjoined to the north by Peach Avenue then Interstate 40, to the east by Decatur Street then multi-family residences and a church, to the south by multi-family townhomes, Red Sox Lane, and apartment buildings, and to the west by a portion of the vacant larger parcel.

- The subject property has been developed since at least 1897 with single and multi-family residential buildings. The subject property was part of the former Dixie Homes public housing development from 1937, until 2006 when the area was cleared for redevelopment as the Legends Park Subdivision.

- The BVA Site 79-846 includes the subject property. The BVA executed on September 29, 2009, outlines environmental conditions identified hydraulically upgradient (south) of the site that include: 1) chlorinated solvent and petroleum impacts to groundwater; and 2) the presence of hydrocarbons and drycleaning solvents in soil gas. Because the site may not have been fully characterized, a Notification of Land Use Restrictions has been imposed. As it applies to the subject property, the land use restrictions 1) prohibit the installation of water wells and use of groundwater at the subject property, 2) in the event of the discovery of contaminants in soil at the subject property, the soil must be managed in accordance with a TDEC approved soil management plan, and 3) may require the installation of soil vapor mitigation systems for buildings constructed at the subject property.

- Minkie Jos, a former clothes cleaner and presser, has been identified at the subject property in environmental database records and historical city directories for the year 1921 (EnSafe 2020). No additional information was provided in the database records; however, it is important to note that historical documents identify a storefront at this address, which could potentially have been operated as a dry cleaner.

- On the south-adjoining property, one address (311 Decatur Street) was identified in the 1932 city directory as Gordon Cleaners and Dyers, a former clothes cleaner and presser. No additional information was identified in historical records reviewed; however, it is important to note that historical fire insurance maps identify a storefront at this address in 1907, and Gordon Cleaners and Dyers may have operated as a dry cleaner.

- The west and south-adjoining properties are located within BVA Site ID 79-846. Based on TDEC records reviewed, PAH-impacted soils were used as geotechnical fill material on the west-adjoining property. In accordance with BVA Site ID 79-846, to prevent exposure to the PAH contaminants, the soil is contained beneath an orange "witness barrier" (i.e., safety fencing) and clean fill material.

- The surrounding area has been developed with residential, commercial, and light industrial properties since at least 1897. Various commercial/light industrial businesses such as gasoline stations, automobile repair and service shops, and dry cleaners have operated on surrounding area properties that are expected to have used and possibly stored regulated materials including solvents and other hazardous substances/petroleum products. A total of 17 sites, beyond the subject property and adjoining properties, were identified on environmental databases as having documented releases of hazardous substances and/or petroleum products.

- Five soil gas samples were collected throughout the subject property in 2021. Benzene and naphthalene were detected at concentrations exceeding the United States Environmental Protection Agency residential Vapor Intrusion Screening Levels in one sample location (SG01) on the southeast portion of the subject property. Additionally, concentrations in SG01 exceeded the acceptable residential carcinogenic risk quotient of 1E-05 with a result of 1.20E-05. The planned construction of a new building at the subject property is not in the vicinity of SG01; however, the intended use of the subject property and location of future structures will dictate further recommendations for soil vapor mitigation.

5.2 Environmental Professional Opinion

This assessment has revealed evidence of the following *recognized environmental condition* and *controlled recognized environmental condition* in connection with the subject property:

- BVA Site ID 79-846 includes the subject property and adjoining properties west and south of the subject property. The BVA outlines environmental conditions identified upgradient of these properties that include 1) chlorinated solvent and petroleum impacts to groundwater, and 2) the presence of hydrocarbons and drycleaning solvents in soil gas. Additionally, numerous sites in the subject property surrounding area have reported releases of hazardous substances and/or petroleum products. Given the BVA and number of sites in the subject property area with reported releases of hazardous substances and/or petroleum products, the potential exists for regional groundwater contamination which constitutes a *recognized environmental condition* for the subject property.

- The subject property is subject to Land Use Restrictions that 1) prohibit the installation of water wells and use of groundwater at the subject property, 2) in the event of the discovery of contaminants in soil at the subject property, the soil must be managed in accordance with a TDEC-approved soil management plan, and 3) may require the installation of soil vapor mitigation systems on buildings constructed at the subject property. Therefore, the land use restrictions are considered a *controlled recognized environmental condition*.

5.3 Data Gaps

No data gaps were encountered that limited EnSafe's ability to identify *recognized environmental conditions*.

5.4 Limitations and Exceptions

EnSafe's Phase I ESA generally conforms to ASTM 2013. EnSafe did not sample soil, soil vapor, groundwater, or surface water as part of the Phase I ESA. Assessment of these items is based upon visual observations and sources as referenced throughout the report. This report should not be construed as verifying the present property owner or operator's compliance with federal, state, and local regulations or as a recommendation to purchase, sell, or develop the subject property.

5.5 Significant Assumptions

This report is a prudent, reasonable evaluation of the subject property's observed environmental condition. EnSafe assumes no responsibility for conditions or information not

practically reviewable, or information not accurately disseminated by any party. The following significant assumptions were used to formulate the conclusions and opinions contained in this report:

- Groundwater flow generally follows topography.
- Environmental database information is accurate and complete.
- Conditions at the time of the site visit were representative of ordinary conditions at the subject property.
- The subject property boundaries depicted on figures and described herein are accurate.

5.6 User Reliance

The assessment was prepared under contract for the exclusive use of PennRose. Any other party's reliance on this report is at risk unless EnSafe grants authorization. In accordance with ASTM 2013, this Phase I ESA is presumed to be valid for 180 days from the date of completion. A Phase I ESA that meets or exceeds this practice and was completed more than 180 days previously may be used to the extent allowed in Sections 4.7 and 4.8 of ASTM 2013.

6.0 REFERENCES

Alston, P. (regulatory file review). Manager, Fire Prevention Bureau Memphis Fire Department. 2668 Avery Avenue, Memphis, Tennessee. 901-636-5401. 2022, August 30.

ASTM International. *Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process*. Designation E1527-13. 100 Barr Harbor Drive, West Conshohocken, Pennsylvania 19428. November 2013.

Bowen, J. (regulatory file review). ASA 2, Administrative Services, Tennessee Department of Environment and Conservation, Memphis Environmental Field Office, 8383 Wolf Lake Drive, Bartlett, Tennessee. jenaka.bowen@tn.gov. 2022, August 31.

Campany, A. (interview). Remediation Project Manager, Tennessee Department of Environment and Conservation, Memphis Environmental Field Office, 8383 Wolf Lake Drive, Bartlett, Tennessee. 901-371-3040. alison.campany@tn.gov. 2022, September 6.

EnSafe Inc. *Phase I Environmental Site Assessment Report, Block A of the Legends Park Subdivision, Memphis, Tennessee 38105*. 5724 Summer Trees Drive, Memphis, Tennessee 38134. November 2020.

EnSafe Inc. *Phase II Environmental Site Assessment, Block A, Legends Park Subdivision, Memphis, Tennessee*. 5724 Summer Trees Drive, Memphis, Tennessee 38134. December 2021.

EnSafe Inc. *Phase I Environmental Site Assessment*. Legends Park Subdivision, Block A, Memphis, Tennessee 38105. 5724 Summer Trees Drive, Memphis, Tennessee. February 2022.

Environmental Risk Information Services. *ERIS Database Report, Legends Park Block A Phase I ESA Update, Memphis, Tennessee 38105*. Order No. 22082403331. 266 Elmwood Avenue, Box 930, Buffalo, New York 14222. 866-517-5204. 2022, August 26.

Google Earth. (website). Aerial imagery. August 2022. Retrieved from: http://www.earth.google.com

Hensley, A. (regulatory file review). Environmental Manager, Tennessee Department of Environment and Conservation, Division of Remediation, 312 Rosa L. Parks Avenue, Nashville, Tennessee, 37243. alison.hensley@tn.gov. 2022, August 30.

Payne, D. (interview). Grant Analyst, Memphis Housing Authority. 700 Adams Avenue, Memphis, Tennessee. 901-544-1827. dpayne@memphisha.org. 2022, August 30.

Phillips, L. (interview). Director of Development, Memphis Housing Authority. 700 Adams Avenue, Memphis, Tennessee. lphillips@memphisha.org. 2022, August 30.

Shelby County Assessor of Property. (property information). August 2022. Retrieved from: https://www.assessor.shelby.tn.us/content.aspx.

Tennessee Department of Environment and Conservation. 2001. Division of Geology. Hazardous Trace Elements in Tennessee Soils and Other Regolith. Report of Investigations No. 49. Nashville, TN. 135 p.

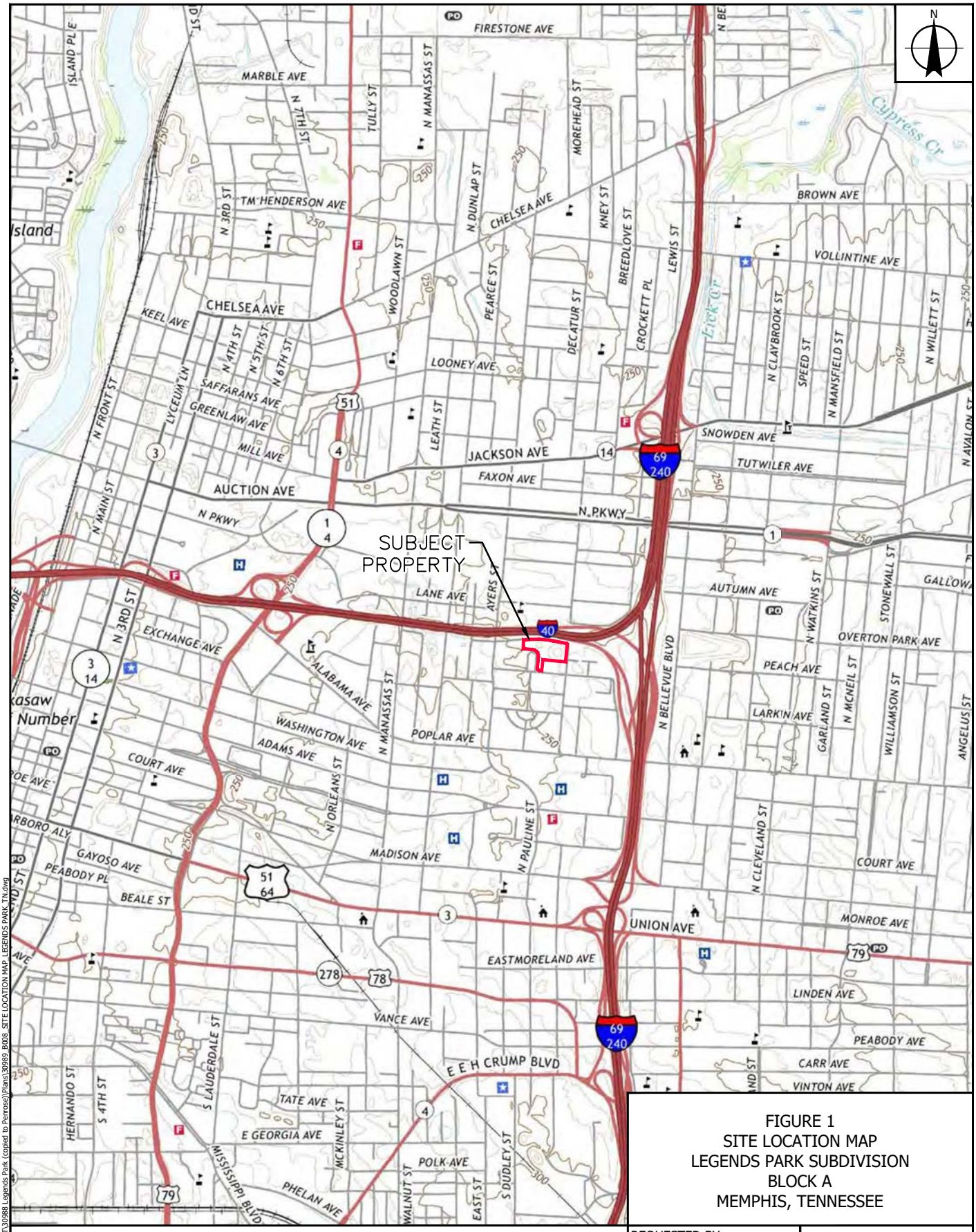
Tennessee Department of Environment and Conservation. (website). Public Records Request. August 2022. Retrieved from https://www.tn.gov/environment/contacts/public-records-request.html

— (website). Division of Remediation Data and Map Viewer online records research. August 2022. Retrieved from https://www.tn.gov/environment/about-tdec/tdec-dataviewers.html

United States Environmental Protection Agency. Envirofacts. (website). Regulatory information search. August 2022. Retrieved from: https://enviro.epa.gov/

United States Environmental Protection Agency Enforcement and Compliance History Online. (website). Regulatory information search. August 2022. Retrieved from: https://enviro.epa.gov/

Appendix A
Figures



LEGEND

SUBJECT PROPERTY/REDUCED PARCEL BOUNDARY

NAD 1983
UTM ZONE 18 NORTH

0 1,000 2,000

SCALE IN FEET

FIGURE 1
SITE LOCATION MAP
LEGENDS PARK SUBDIVISION
BLOCK A
MEMPHIS, TENNESSEE

REQUESTED BY:	SM
DRAWN BY:	WM
DATE:	9/06/2022
PROJECT:	0888830989

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Source: U.S. Geological Survey.Northwest Memphis Quadrangle, Tennessee [Map]. Photorevised 2019. 1:24,000. 7.5 Minute Series.

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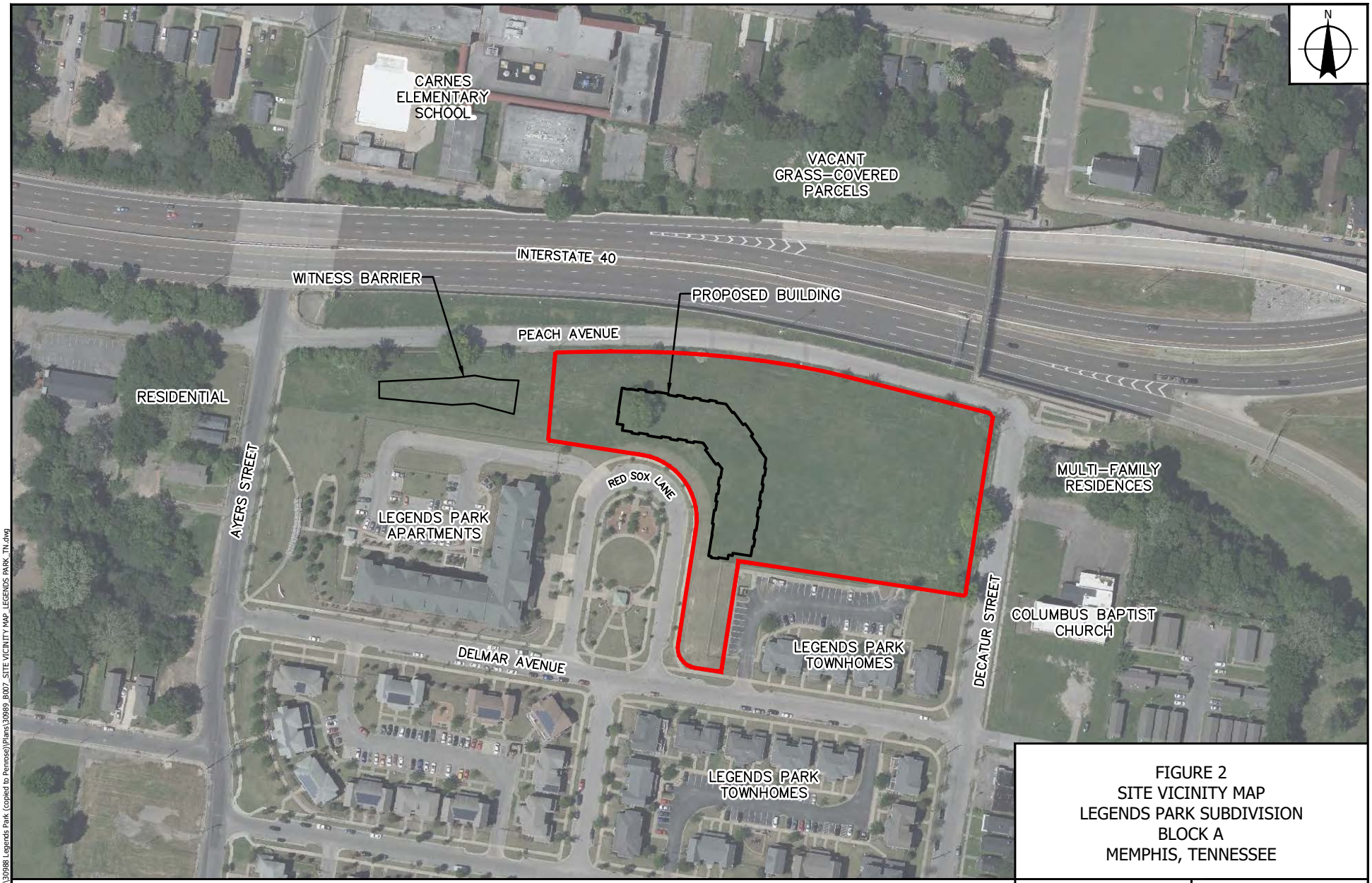

LEGENDS

SUBJECT PROPERTY/REDUCED PARCEL BOUNDARY

NAD 1983 STATE PLANE TENNESSEE FEET

0 100 200

SCALE IN FEET

FIGURE 2
SITE VICINITY MAP
LEGENDS PARK SUBDIVISION
BLOCK A
MEMPHIS, TENNESSEE

REQUESTED BY:	SM
DRAWN BY:	WM
DATE:	9/08/2022
PROJECT:	0888830989

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Appendix B
Resumes

STEFFEN MATTHEWS

Environmental Scientist/Geologist

EDUCATION

BA, Earth Science, University of Memphis, 2020

AFFILIATIONS/ ORGANIZATIONS

American Society for Photogrammetry and Remote Sensing

Society of Exploration Geologists

Steffen is an experienced geologist specializing in seismic processing, ground penetrating radar, electrical resistivity tomography, QGIS and Esri GIS products, geologic mapping, field data collection, Python Coding, lidar processing, and data analysis. He is adept at management and technical writing and is skilled at public outreach. Specific services include water sampling, soil and soil gas sampling, and Phase I-type assessments. Steffen has been published in several university publications for his research in the Golddust Quadrangle and the Nodena Quadrangle.

RELEVANT EXPERIENCE

***Research, Auburn University, Auburn, AL (2020-2021)**

As a Teaching Assistant, Steffen examined the effectiveness of ground penetrating radar for identifying earthquake-related features. He developed GIS analyses for classifying surface features related to materials found in the subsurface, and wrote technical papers and prepared presentations on his findings.

***Groundwater Study, Center for Applied Earth Science and Engineering Research, Memphis, TN (2020)**

As a Senior Water Technician, Steffen led field work to conduct reconnaissance on hydrogeologic areas of interest. He also supervised and performed piezometric analyses of groundwater with relation to the Memphis aquifer, and produced maps in ArcGIS for use by the local water utility company.

**indicates work for a previous employer*

ALLISON HARRIS, PG
Senior Geologist

EDUCATION

MS, Geology, University of Memphis, 1990

BS, Geology, University of Memphis, 1986

REGISTRATIONS

- Tennessee Professional Geologist, No. 788, 1989
- OSHA 1910.120 Health and Safety Training, including medical surveillance
- First aid and CPR certified, 2016

Allison has 29 years of experience in a variety of environmental programs. She is the project manager for multiple sites including Security Signals, an operable unit of the larger National Fireworks site where ammunitions were manufactured during World War II. As project manager, Allison is responsible for all aspects of this Superfund-Equivalent site. She ensures compliance with the Administrative Order of Consent, works closely with Tennessee Department of Environment and Conservation (TDEC) and USEPA regulators, and negotiates access agreements with offsite property owners. The investigation is being performed in phases to provide a cost-effective approach for the client and to allow for flexibility based on investigation findings. Known contamination includes trichloroethylene (TCE); suspected contaminants included perchlorate and various explosives.

RELEVANT EXPERIENCE

SUPERFUND PROJECTS

Remedial Investigation/Feasibility Study, US Navy, Naval Air Station (NAS) Pensacola, FL (2012-2018)

As task order manager, responsible for preparing remedial investigation/ feasibility study (RI/FS) planning documents, including Sampling and Analysis Plans, Investigation-Derived Waste (IDW) Plan, Proposed Plans, Records of Decision, and a Community Relations Plan. Other documents under her responsibility include RI Reports, Baseline Risk Assessments including Ecological Risk Assessments, FS Reports, and Site Characterization Reports. Managed CERCLA multi-phased field investigation of a 5.5-mile industrial waste sewer line including RCRA clean-closure of the industrial sewer line. The sewer line investigation included overseeing temporary and permanent monitoring well installations, monitoring well abandonment, and groundwater and soil sampling. This project was conducted under the Comprehensive Long-term Environmental Action Navy (CLEAN) program with USEPA Region 4 and the Florida Department of Environmental Protection (FDEP). Additional responsibilities included community relations activities, including establishing a Restoration Advisory Board and producing news releases, fact sheets, and public notices. Managed multidisciplinary staff from three separate offices. Specific project management responsibilities included proposal preparation, budgeting, cost tracking, invoicing, report generation, and client/agency liaison. Work performed at NAS Pensacola has earned one Secretary of the Navy and two Chief of Naval Operations awards.

TCE Remediation, Former ITT Telecomunications Facility, Milan, TN (2005-present)

Project manager for a chlorinated solvent investigation at an inactive facility contaminated by TCE and its breakdown products. The mile-long groundwater plume had previously impacted multiple private drinking water wells. Activities completed for the site include a focused FS evaluation of the source area and a human health risk assessment. National Contingency Plant (NCP) consistency activities included completing an Administrative Record, issuing a proposed plan and placing public notices announcing the comment period, and completing a Community Involvement Plan. The pilot test of an air sparge system determined that the system would be technically effective as well as cost-effective for the site, despite the great depth to groundwater.

Groundwater Monitoring, LaRoche Industries, Inc., Memphis, TN (2005)

Project manager for an RI/FS at a site investigated under the TDEC Division of Superfund. Responsibilities include assessment of an ongoing interim action for groundwater, finalizing the RI/FS report, monitoring well

installation, and groundwater sampling. This site was removed from the Tennessee Superfund list in November 2005.

Remedial Investigation/Feasibility Study, Tennessee Electroplating, Inc., Ripley, TN (2005)

Project manager for an RI/FS site being conducted under the TDEC Division of Superfund voluntary program. The investigation included delineating the extent of contamination in groundwater using direct-push technology (DPT), installing confirmation monitoring wells, and collecting soil and groundwater samples. Other responsibilities included completing a work plan, evaluating site data, negotiating with TDEC, and completing an RI/FS report.

BRAC Program Closure Investigation, US Navy, NAS Glenview, IL (2012)

As project geologist for Base Realignment and Closure (BRAC) program closure investigation at NAS Glenview, assisted with the field investigation and completed the RI/FS work plan. The investigation was conducted in accordance with CERCLA under the Navy's CLEAN program. Also coordinated the Administrative Record file for the facility. The Illinois Environmental Protection Agency and USEPA Region 5 were the regulatory agencies involved in the investigation.

Soil Sampling, Barmet Aluminum, Fort Hartford, KY (2016)

As project geologist responsible for logging and collecting soil samples from borings advanced across the site.

Subsurface Investigation, Amoco Corp. and Helena Chemical Co., Hayti, MO

This investigation included advancing soil borings for subsurface soil collection and installing onsite monitoring wells. Conducted onsite soil, sediment, and groundwater sampling and also assessed the presence of earthquake-induced liquefaction features at the facility. Compiled information and analytical data and wrote the report in accordance with a USEPA order. Met all USEPA deadlines for the report.

*Superfund Site, Waste Management Landfill, Anoka, MN (1991)

As project geologist for monitoring well and recovery well installations and soil boring investigation at this State of Minnesota Superfund site, responsible for overseeing subcontractors and completing boring logs of the complicated glacial lithology and bedrock.

CHLORINATED SOLVENT PROJECTS

Chlorinated Solvent Investigation, Bass, Berry & Sims, West Tennessee (2008)

Project geologist for a chlorinated solvent investigation at this active West Tennessee facility. This site has many challenges including complex geology, presence of dense non-aqueous-phase liquid (DNAPL), and an adjacent municipal wellfield. The investigation included advancing soil borings, installing onsite and offsite monitoring well nests, collecting soil and groundwater samples, performing a hydrogeologic investigation, and disposing of IDW.

Interim Remedial Action, former Spic N Span Cleaners, DCERP Project, Memphis, TN (2014-2016)

As project geologist, managed and conducted interim remedial action at this Dry Cleaner Environmental Response Program (DCERP) site in Memphis that is also under the Brownfields program. Work included injecting emulsified soybean oil into the source area. Duties included subcontractor selection and management and liaison with DCERP personnel. Project management included submitting reports to the state for approval and completing reimbursement applications for state payment.

PETROLEUM PROJECTS

Underground Storage Tank Investigation, Naval Support Activity Mid-South, Millington, TN (2007)

Task order manager for an underground storage tank (UST) investigation. The investigation included advancing soil borings using hollow-stem auger and DPT techniques, installing monitoring wells, collecting soil and groundwater samples, and disposing of IDW. Authored a contamination assessment report for the site. Because chlorinated solvent contamination was also detected onsite, the site was transferred to another program.

Underground Storage Tank Investigation, Carrier Corp., Brondby, Denmark (2009)
As project geologist for a UST investigation to assess whether the tank was leaking. Subsurface soil was assessed by advancing soil borings around the tank and collecting soil samples from beneath the tank. Authored a report detailing the investigation.

Underground Storage Tank Field Investigations, US Navy, NAS Kingsville, TX (2016)
Project geologist for field investigations at three UST sites. The field investigations included a soil-gas survey, soil boring advancement, monitoring well installation, and soil and groundwater sample collection. Authored a Contamination Assessment Report for one of the sites.

*Investigation and Remedial Activities, Clark Oil, Various Facilities in Minnesota (1991)
Project geologist for site investigations and remedial activities for various UST sites. Assimilated raw field data and analytical data into final technical reports. Also completed applications for the client to seek reimbursement from the state's Petrofund. Specific field experience included advancing soil borings, installing monitoring wells, organizing and supervising UST excavation and disposal, coordinating and monitoring contaminated soil excavation and disposal, onsite soil disposal, soil and groundwater sampling, and installation and maintenance of groundwater recovery and treatment systems.

*Tank Closures, Site Investigations, Remedial Activities, Ryder Truck Rental, Various Facilities in Florida, Wisconsin and Illinois (1991)
Project geologist for tank closures, site investigations, and remedial activities for six UST sites. Assimilated raw field data and analytical data into final technical reports in accordance with the applicable state regulations.

RCRA PROJECTS

Environmental Investigation, Lucite International, Olive Branch, MS (2010)
Project manager for investigation completed for two solid waste management units at this active facility. Authored work plan, coordinated field investigation, and authored final report. This facility received a no-further-action status upon completion of this investigation.

Naval Support Activity Mid-South, Millington, TN (2007)
Authored a RCRA Facility Investigation Report for a solid waste management unit at this facility undergoing realignment. This project was conducted under the Navy's CLEAN program with USEPA Region 4 and TDEC.

Comprehensive Sampling and Analysis Plan, Charleston Naval Shipyard RFI, Charleston, SC (2012-2013)
Assisted in preparing the RCRA Facility Assessment comprehensive work plan for the facility. Wrote the Comprehensive Sampling and Analysis Plan for field activities to be performed during the investigation.

BROWNFIELDS

Site Investigation, Memphis Biofuel, Memphis, TN (2007)
Project manager for site investigation at a former chemical manufacturing facility. The investigation included soil and groundwater sampling. Areas of identified toxaphene contamination in soil were managed under a Soil Management Plan. The Brownfields agreement was subsequently signed with the plan included as an appendix.

Site Investigation, Z-Mart, Memphis, TN (2002)
Project manager for site investigation at a former petroleum UST site. The site was proposed for inclusion in a Brownfields agreement for redevelopment with two other properties. After completing the investigation, managed the completion of the Removal Action Work Plan for the identified soil contamination. The plan was approved by TDEC with minimal comments. A Demolition Plan completed for the onsite building accounted for handling of contaminated materials that was encountered at the site. The building was demolished and a successful soil removal action was performed.

Site Investigation, Mid-South Nephrology Clinic, Memphis, TN (2005)
Project manager for site investigation at a former automatic transmission shop and cleaners site. The site was proposed for inclusion in a Brownfields agreement for redevelopment. The investigation included soil and groundwater sampling using DPT to delineate the nature and extent of contamination.

SOLID WASTE

*Soil Boring Investigation, Laidlaw Sanitary Landfill, Terra Haute, IN (1990)

Project geologist for monitoring well installations and soil boring investigation.

*Groundwater Monitoring System Work Plan, Northeast Otter Tail County Sanitary Landfill, New York Mills, MN (1991)

Hydrogeologist for the Northeast Otter Tail Sanitary Landfill. Authored a Groundwater Monitoring System Work Plan in accordance with Minnesota Solid Waste Rules.

SITE ASSESSMENTS

Property Transfer Investigation, Wright Medical, Arlington, TN (2006)

Project manager for a fast-track investigation of a potential property transfer. Investigation included DPT sampling of soil and groundwater, trenching of anomalies identified during a geophysical survey, and sediment sampling. Project was completed in approximately 30 days and met all of the client's objectives and data needs.

Hazardous Materials Sampling, Guardian Industries, Various Facilities in Tennessee, Missouri, and Arkansas (2008)

Project manager for a fast-track investigation of a potential stock transfer at various automotive manufacturing facilities. Investigation included DPT sampling of soil and groundwater and asbestos sampling. Project was completed in approximately 30 days and met all of the client's objectives and data needs.

Phase I Environmental Site Assessments, Great Smoky Mountain National Park, Gatlinburg, TN (2005)

Project manager for two Phase I Environmental Site Assessments (ESAs) as related to the Tapoca Land Exchange. One of the ESAs was completed for an area of approximately 110 acres, while the second area was approximately 281 acres. Responsibilities included proposal preparation, budgeting, cost-tracking, invoicing, report generation, and client liaison.

Phase I Environmental Site Assessment, National Park Service, St. John U.S. Virgin Islands (2001)

Project manager for a Phase I ESA for a 375-acre tract. Responsibilities included proposal preparation, budgeting, cost-tracking, invoicing, report generation, and client liaison.

Phase I and II ESAs, National Park Service, Stones River National Park, Murfreesboro, TN (2001)

Project manager for Phase I and II investigations completed on two tracts being considered for purchase by the National Park Service. Responsibilities included proposal preparation, budgeting, cost-tracking, invoicing, report generation, and client liaison.

Phase I Environmental Site Assessments, Bass, Berry & Sims, Alabama and Indiana (2006)

Project manager for Phase I ESAs completed on property considered for purchase by the client. Responsibilities included proposal preparation, budgeting, cost-tracking, invoicing, report generation, and client liaison.

Phase I Environmental Site Assessment, Bass, Berry & Sims, Arkansas (2006)

Project manager for Phase I ESA completed on property considered for purchase by the client. The property was a former tie manufacturing facility. Responsibilities included proposal preparation, budgeting, cost-tracking, invoicing, report generation, and client liaison.

Phase I and II Site Investigations, Bass, Berry & Sims, La Mirada, CA (2005)

Project manager for Phase I and II investigations completed on property considered for purchase by the client. Phase II activities included monitoring well installation, soil sampling, and groundwater sampling. Responsibilities included proposal preparation, budgeting, cost-tracking, invoicing, report generation, client liaison, and coordinating with other parties' consultants.

Phase I Environmental Site Assessments, Performance Food Group, Various Sites in Illinois, Mississippi, and Arkansas (2005)

Project manager for Phase I ESA completed on property considered for purchase by client. Responsibilities included proposal preparation, budgeting, cost-tracking, invoicing, report generation, and client liaison.

**indicates work for a previous employer*

Appendix C
Environmental Database Search Report

DATABASE REPORT

Project Property:	*Legends Park Block A Phase I ESA Update* *Legends Park Block A* *Memphis TN 38105*
Project No:	*0888830989*
Report Type:	*Database Report + Compliance*
Order No:	*22082403331*
Requested by:	*EnSafe Inc.*
Date Completed:	*August 26, 2022*

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Executive Summary

Property Information:

Project Property: *Legends Park Block A Phase I ESA Update*
Legends Park Block A Memphis TN 38105

Project No: *0888830989*

Coordinates:

Latitude:	*35.14927764*
Longitude:	*-90.02697423*
UTM Northing:	*3,893,645.15*
UTM Easting:	*770,841.21*
UTM Zone:	*15S*

Elevation: *259 FT*

Order Information:

Order No:	*22082403331*
Date Requested:	*August 24, 2022*
Requested by:	*EnSafe Inc.*
Report Type:	*Database Report + Compliance*

Historicals/Products:

Executive Summary: Report Summary

Database	Searched	Search Radius	Project Property	Within 0.12mi	0.125mi to 0.25mi	0.25mi to 0.50mi	0.50mi to 1.00mi	Total
Standard Environmental Records								
Federal								
DOE FUSRAP	Y	1	0	0	0	0	0	0
NPL	Y	1	0	0	0	0	0	0
PROPOSED NPL	Y	1	0	0	0	0	0	0
DELETED NPL	Y	0.5	0	0	0	0	-	0
SEMS	Y	0.5	0	0	0	**1**	-	**1**
ODI	Y	0.5	0	0	0	0	-	0
SEMS ARCHIVE	Y	0.5	0	0	0	0	-	0
CERCLIS	Y	0.5	0	0	0	0	-	0
IODI	Y	0.5	0	0	0	0	-	0
CERCLIS NFRAP	Y	0.5	0	0	0	0	-	0
CERCLIS LIENS	Y	PO	0	-	-	-	-	0
RCRA CORRACTS	Y	1	0	0	0	0	0	0
RCRA TSD	Y	0.5	0	0	0	0	-	0
RCRA LQG	Y	0.25	0	0	0	-	-	0
RCRA SQG	Y	0.25	0	0	0	-	-	0
RCRA VSQG	Y	0.25	0	0	0	-	-	0
RCRA NON GEN	Y	0.25	0	0	**3**	-	-	**3**
RCRA CONTROLS	Y	0.5	0	0	0	0	-	0
FED ENG	Y	0.5	0	0	0	0	-	0
FED INST	Y	0.5	0	0	0	0	-	0
LUCIS	Y	0.5	0	0	0	0	-	0
NPL IC	Y	0.5	0	0	0	0	-	0
ERNS 1982 TO 1986	Y	PO	0	-	-	-	-	0
ERNS 1987 TO 1989	Y	PO	0	-	-	-	-	0
ERNS	Y	PO	0	-	-	-	-	0
FED BROWNFIELDS	Y	0.5	0	0	0	0	-	0
FEMA UST	Y	0.25	0	0	0	-	-	0

Database	Searched	Search Radius	Project Property	Within 0.12mi	0.125mi to 0.25mi	0.25mi to 0.50mi	0.50mi to 1.00mi	Total
FRP	Y	0.25	0	0	0	-	-	0
DELISTED FRP	Y	0.25	0	0	0	-	-	0
HIST GAS STATIONS	Y	0.25	0	0	0	-	-	0
REFN	Y	0.25	0	0	0	-	-	0
BULK TERMINAL	Y	0.25	0	0	0	-	-	0
SEMS LIEN	Y	PO	0	-	-	-	-	0
SUPERFUND ROD	Y	1	0	0	0	0	0	0
State								
SHWS	Y	1	0	0	0	0	0	0
DEL SHWS	Y	1	0	0	0	0	0	0
SWF/LF	Y	0.5	0	0	0	0	-	0
LUST	Y	0.5	0	0	0	**13**	-	**13**
LUST TRUST	Y	0.5	0	0	0	**4**	-	**4**
DELISTED LST	Y	0.5	0	0	0	**1**	-	**1**
HWRA	Y	0.5	0	0	0	0	-	0
DHWR	Y	0.5	0	0	0	0	-	0
UST	Y	0.25	0	0	**3**	-	-	**3**
DEL STORAGE TNK	Y	0.25	0	0	0	-	-	0
INST	Y	0.5	0	0	0	**2**	-	**2**
ENG	Y	0.5	0	0	0	0	-	0
VCP	Y	0.5	0	0	0	**7**	-	**7**
SRP	Y	0.5	0	0	0	**5**	-	**5**
REMEDIATION	Y	0.25	0	0	0	-	-	0
Tribal								
INDIAN LUST	Y	0.5	0	0	0	0	-	0
INDIAN UST	Y	0.25	0	0	0	-	-	0
DELISTED ILST	Y	0.5	0	0	0	0	-	0
DELISTED IUST	Y	0.25	0	0	0	-	-	0
County	***No County standard environmental record sources available for this State.***							

Additional Environmental Records

Federal

FDA REGISTRANT	Y	PO	0	-	-	-	-	0
RMP	Y	PO	0	-	-	-	-	0

Database	Searched	Search Radius	Project Property	Within 0.12mi	0.125mi to 0.25mi	0.25mi to 0.50mi	0.50mi to 1.00mi	Total
FINDS/FRS	Y	PO	0	-	-	-	-	0
TRIS	Y	PO	0	-	-	-	-	0
PFAS TRI	Y	0.5	0	0	0	0	-	0
PFAS NPL	Y	0.5	0	0	0	0	-	0
PFAS WATER	Y	0.5	0	0	0	0	-	0
PFAS SSEHRI	Y	0.5	0	0	0	0	-	0
ERNS PFAS	Y	0.5	0	0	0	0	-	0
HMIRS	Y	0.125	0	0	-	-	-	0
NCDL	Y	0.125	0	0	-	-	-	0
TSCA	Y	0.125	0	0	-	-	-	0
HIST TSCA	Y	0.125	0	0	-	-	-	0
FTTS ADMIN	Y	PO	0	-	-	-	-	0
FTTS INSP	Y	PO	0	-	-	-	-	0
PRP	Y	PO	0	-	-	-	-	0
SCRD DRYCLEANER	Y	0.5	0	0	0	0	-	0
ICIS	Y	PO	0	-	-	-	-	0
FED DRYCLEANERS	Y	0.25	0	0	0	-	-	0
DELISTED FED DRY	Y	0.25	0	0	0	-	-	0
FUDS	Y	1	0	0	0	0	0	0
FORMER NIKE	Y	1	0	0	0	0	0	0
PIPELINE INCIDENT	Y	PO	0	-	-	-	-	0
MLTS	Y	PO	0	-	-	-	-	0
HIST MLTS	Y	PO	0	-	-	-	-	0
MINES	Y	0.25	0	0	0	-	-	0
SMCRA	Y	1	0	0	0	0	0	0
CEA2	Y	0.25	0	0	0	-	-	0
MRDS	Y	1	0	0	0	0	0	0
URANIUM	Y	1	0	0	0	0	0	0
ALT FUELS	Y	0.25	0	0	0	-	-	0
ICIA	Y	PO	0	-	-	-	-	0
CONSENT DECREES	Y	0.25	0	0	0	-	-	0
AFS	Y	PO	0	-	-	-	-	0
OSHA	Y	PO	0	**1**	-	-	-	**1**
CEA	Y	0.25	0	0	**1**	-	-	**1**
CRIM	Y	0.5	0	0	0	0	-	0

Database	Searched	Search Radius	Project Property	Within 0.12mi	0.125mi to 0.25mi	0.25mi to 0.50mi	0.50mi to 1.00mi	Total
DOCKETS	Y	0.5	0	0	0	0	-	0
PCS	Y	0.5	0	0	0	0	-	0
NPDES	Y	0.25	0	0	**1**	-	-	**1**
FINA	Y	0.25	0	0	0	-	-	0
BRS	Y	0.5	0	0	0	**1**	-	**1**
SSTS	Y	0.25	0	0	0	-	-	0
ECHO	Y	0.5	0	0	**5**	**49**	-	**54**
PCBT	Y	0.5	0	0	0	0	-	0
PCB	Y	0.5	0	0	0	0	-	0
CIVIL CASES	Y	0.5	0	0	0	0	-	0
NCDB CASE LIST	Y	0.125	0	0	-	-	-	0
NCDB FAC INSP	Y	0.125	0	0	-	-	-	0
DOCKET HW	Y	0.5	0	0	0	**1**	-	**1**
State								
NPDES	Y	0.25	0	0	**2**	-	-	**2**
PRIORITY CLEAN	Y	0.25	0	0	0	-	-	0
DELISTED DCER	Y	0.25	0	0	0	-	-	0
DRYCLEANERS	Y	0.25	0	0	0	-	-	0
DELISTED DRYCLEANERS	Y	0.25	0	0	0	-	-	0
CDL	Y	PO	0	-	-	-	-	0
SPILLS	Y	0.125	0	0	-	-	-	0
SPILS	Y	0.125	0	0	-	-	-	0
SWM COMPLAINT	Y	0.25	0	0	**1**	-	-	**1**
HWM	Y	0.25	0	0	0	-	-	0
Tribal	***No Tribal additional environmental record sources available for this State.***							
County	***No County additional environmental record sources available for this State.***							
	Total:		0	**1**	**16**	**84**	0	**101**

**** PO – Property Only***
**** 'Property and adjoining properties' database search radii are set at 0.25 miles.***

Executive Summary: Site Report Summary - Project Property

Map Key	DB	Company/Site Name	Address	Direction	Distance (mi/ft)	Elev Diff (ft)	Page Number

No records found in the selected databases for the project property.

Executive Summary: Site Report Summary - Surrounding Properties

Map Key	DB	Company/Site Name	Address	Direction	Distance (mi/ft)	Elev Diff (ft)	Page Number
1	OSHA	H D CONSTRUCTION COMPANY	DECATUR ST & PEACH AVE MEMPHIS TN 38105 ***Activity No:*** 309227791	ENE	0.01 / 39.95	-4	33
2	RCRA NON GEN	MEMPHIS LIGHT GAS AND WATER DIVISION	418 DECATUR LANE MEMPHIS TN 38105 ***EPA Handler ID:*** TNR000007278	NNE	0.14 / 734.49	3	33
2	ECHO	MEMPHIS LIGHT GAS AND WATER DIVISION	418 DECATUR LANE MEMPHIS TN 38105 ***FRS ID:*** 110005006741	NNE	0.14 / 734.49	3	34
3	RCRA NON GEN	COLLINS CHAPEL HOSP HLTH CTR	409 N AYERS ST MEMPHIS TN 38107 ***EPA Handler ID:*** TND081341950	NW	0.14 / 759.43	0	35
3	ECHO	COLLINS CHAPEL HOSP HLTH CTR	409 N AYERS ST MEMPHIS TN 38107 ***FRS ID:*** 110004978980	NW	0.14 / 759.43	0	36
4	NPDES	McKenzie - Lane Auto Salvage	433 North Waldran Memphis TN	ENE	0.22 / 1,150.68	1	37
4	SWM COMPLAINT	McKenzie - Lane Auto Salvage	433 North Waldran Memphis TN	ENE	0.22 / 1,150.68	1	38
5	NPDES	BP's Lane Avenue Auto Parts, Inc.	433 North Waldran Blvd. Memphis TN	ENE	0.23 / 1,231.91	0	39
5	NPDES	BP'S LANE AVENUE AUTO PARTS, INC.	433 NORTH WALDRAN BLVD. MEMPHIS MEMPHIS TN 38105 ***NPDES ID | Facility UIN:*** TNR056533 | 110059710638	ENE	0.23 / 1,231.91	0	39
5	ECHO	BP'S LANE AVENUE AUTO PARTS, INC.	433 NORTH WALDRAN BLVD. MEMPHIS TN 38105 ***FRS ID:*** 3400083528	ENE	0.23 / 1,231.91	0	41
6	CEA	BP'S LANE AVENUE AUTO PARTS, INC.	433 NORTH WALDRAN BLVD. MEMPHIS TN 38105 ***Registry ID:*** 110059710638	ENE	0.23 / 1,234.34	1	42
6	ECHO	BP'S LANE AVENUE AUTO PARTS, INC.	433 NORTH WALDRAN BLVD. MEMPHIS TN 38105	ENE	0.23 / 1,234.34	1	43

Map Key	DB	Company/Site Name	Address	Direction	Distance (mi/ft)	Elev Diff (ft)	Page Number
			FRS ID: 110059710638				
7	UST	Insulation And Refractories Service	1041 Galloway Memphis TN 38105	NNE	0.23 / 1,236.06	2	44
			Facility ID | Facility Status: 9790418 | InActive ***Tank ID:*** 45988, 45987				
8	UST	Hardy's Service Station	955 Poplar Memphis TN 38105	SSW	0.24 / 1,254.60	-14	46
			Facility ID | Facility Status: 9790387 | InActive ***Tank ID:*** 45639, 45637, 45636, 45638				
9	UST	Insulation And Refractories Services	1041 Galloway Avenue Memphis TN 38105	NE	0.24 / 1,266.43	-2	48
			Facility ID | Facility Status: 9790417 | InActive ***Tank ID:*** 45985, 45986				
10	RCRA NON GEN	MITCHELL & SON INC	451 N WALDRAN MEMPHIS TN 38105	NE	0.24 / 1,291.61	-2	49
			EPA Handler ID: TND000005884				
11	ECHO	MITCHELL & SON INC	451 N WALDRAN MEMPHIS TN 38105	ENE	0.25 / 1,318.01	3	50
			FRS ID: 110004954568				
12	ECHO	DIXIE MANUFACTURING COMPANY	1071 GALLOWAY MEMPHIS TN 38105	NE	0.25 / 1,334.17	-6	52
			FRS ID: 110011792300				
13	SRP	CHURCH'S FRIED CHICKEN	925 POPLAR AVENUE MEMPHIS TN	SSW	0.26 / 1,353.62	-12	53
13	VCP	CHURCH'S FRIED CHICKEN	925 POPLAR AVENUE MEMPHIS TN	SSW	0.26 / 1,353.62	-12	53
14	VCP	DIXIE HOMES	916 POPLAR AVENUE MEMPHIS TN	SW	0.26 / 1,356.61	-12	53
14	INST	DIXIE HOMES	916 POPLAR AVENUE MEMPHIS TN	SW	0.26 / 1,356.61	-12	53
14	ECHO	MEMPHIS HOUSING AUTHORITY-DIXIE HOME DEV	916 POPLAR AVE MEMPHIS TN 38105	SW	0.26 / 1,356.61	-12	54
			FRS ID: 110004951589				
15	LUST	Exxon/Mobile Bulk Terminal	432 North Dunlap Memphis TN	WNW	0.26 / 1,356.74	-13	55
			Facility ID | Current Status: 9799001 | 8 Case Closed				
15	SRP	MEMPHIS BULK PLANT	432 NORTH DUNLAP ST. MEMPHIS TN	WNW	0.26 / 1,356.74	-13	55

Map Key	DB	Company/Site Name	Address	Direction	Distance (mi/ft)	Elev Diff (ft)	Page Number
15	VCP	MEMPHIS BULK PLANT	432 NORTH DUNLAP ST. MEMPHIS TN	WNW	0.26 / 1,356.74	-13	55
16	INST	SOUTHERN STEEL	431 DUNLAP MEMPHIS TN	NW	0.27 / 1,401.57	-13	56
16	SRP	SOUTHERN STEEL	431 DUNLAP MEMPHIS TN	NW	0.27 / 1,401.57	-13	56
16	VCP	SOUTHERN STEEL	431 DUNLAP MEMPHIS TN	NW	0.27 / 1,401.57	-13	56
17	ECHO	POPLAR SQUARE APARTMENTS	1070 POPLAR AVE MEMPHIS TN 38104 ***FRS ID:*** 110033195370	SSE	0.28 / 1,503.03	7	56
18	ECHO	COX PRINTING CO	467 N WALDRAN BLVD MEMPHIS TN 38105 ***FRS ID:*** 110004999217	NE	0.29 / 1,523.86	-8	57
19	SRP	MEMPHIS MENTAL HEALTH INSTITUTE	865 POPLAR AVENUE MEMPHIS TN	SW	0.31 / 1,627.56	-3	59
19	VCP	MEMPHIS MENTAL HEALTH INSTITUTE	865 POPLAR AVENUE MEMPHIS TN	SW	0.31 / 1,627.56	-3	59
20	ECHO	MLGW-MALLORY PUMPING STATION	488 NORTH DUNLAP MEMPHIS TN 38105 ***FRS ID:*** 110018864558	NW	0.32 / 1,712.50	-15	59
20	ECHO	MALLORY PUMPING STATION	488 NORTH DUNLAP MEMPHIS TN 38103 ***FRS ID:*** 110070217327	NW	0.32 / 1,712.50	-15	60
21	ECHO	REGAL OLDSMOBILE	850 POPLAR AVE MEMPHIS TN 38104 ***FRS ID:*** 110004964487	SW	0.33 / 1,721.94	2	62
22	ECHO	GS VEHICLE MAINTENANCE	MEMPHIS TN 38105 ***FRS ID:*** 110027676799	WNW	0.35 / 1,847.99	-23	63
22	ECHO	INSULATION AND REFRACTORIES SERVICES	MEMPHIS TN 38105	WNW	0.35 / 1,847.99	-23	64

Map Key	DB	Company/Site Name	Address	Direction	Distance (mi/ft)	Elev Diff (ft)	Page Number
			FRS ID: 110027728369				
22	ECHO	MEMPHIS BULK PLANT	MEMPHIS TN 38105 ***FRS ID:*** 110027768100	WNW	0.35 / 1,847.99	-23	64
22	ECHO	SHELBY COUNTY COURT OF MEMPHIS	MEMPHIS TN 38105 ***FRS ID:*** 110027683175	WNW	0.35 / 1,847.99	-23	65
22	ECHO	DOWNTOWN SHELL	MEMPHIS TN 38105 ***FRS ID:*** 110027603715	WNW	0.35 / 1,847.99	-23	66
22	ECHO	TN TECHOLOGY CENTER OF MEMPHIS	MEMPHIS TN 38105 ***FRS ID:*** 110027730221	WNW	0.35 / 1,847.99	-23	66
22	ECHO	GREYHOUND MAINTENANCE GARAGE	MEMPHIS TN 38105 ***FRS ID:*** 110027665284	WNW	0.35 / 1,847.99	-23	67
22	ECHO	(FORMERLY) CHIP BARWICK CHEVROLET	MEMPHIS TN 38105 ***FRS ID:*** 110027747605	WNW	0.35 / 1,847.99	-23	67
22	ECHO	POPLAR AVENUE BP	MEMPHIS TN 38105 ***FRS ID:*** 110027703910	WNW	0.35 / 1,847.99	-23	68
22	ECHO	INSULATION AND REFRACTORIES SERVICE	MEMPHIS TN 38105 ***FRS ID:*** 110027728323	WNW	0.35 / 1,847.99	-23	69
22	ECHO	WILLIAMS EXPRESS, INC. # 3254	MEMPHIS TN 38105 ***FRS ID:*** 110027727173	WNW	0.35 / 1,847.99	-23	69
22	ECHO	FORMER UNION GROVE BAPTIST CHURCH	MEMPHIS TN 38105 ***FRS ID:*** 110027628976	WNW	0.35 / 1,847.99	-23	70
22	ECHO	HARDY S SERVICE STATION	MEMPHIS TN 38105 ***FRS ID:*** 110027694136	WNW	0.35 / 1,847.99	-23	70
22	ECHO	PUBLIC WORKS SEWER AND DRAIN MAINT	MEMPHIS TN 38105 ***FRS ID:*** 110027616881	WNW	0.35 / 1,847.99	-23	71
22	ECHO	GOODYEAR ASC (CLOSED)	MEMPHIS TN 38105	WNW	0.35 / 1,847.99	-23	72

Map Key	DB	Company/Site Name	Address	Direction	Distance (mi/ft)	Elev Diff (ft)	Page Number
			FRS ID: 110027652118				
22	ECHO	MALLORY PUMPING STATION	MEMPHIS TN 38105 ***FRS ID:*** 110027741442	WNW	0.35 / 1,847.99	-23	72
22	ECHO	AIR MASK SERVICE UNIT	MEMPHIS TN 38105 ***FRS ID:*** 110027753857	WNW	0.35 / 1,847.99	-23	73
22	ECHO	GREYHOUND TERMINAL	MEMPHIS TN 38105 ***FRS ID:*** 110027673765	WNW	0.35 / 1,847.99	-23	73
22	ECHO	UT MEDICAL GROUP	MEMPHIS TN 38105 ***FRS ID:*** 110027733898	WNW	0.35 / 1,847.99	-23	74
22	ECHO	FLEET SERVICES	MEMPHIS TN 38105 ***FRS ID:*** 110027710172	WNW	0.35 / 1,847.99	-23	75
22	ECHO	AUTO CHLOR SYSTEM	MEMPHIS TN 38105 ***FRS ID:*** 110027752732	WNW	0.35 / 1,847.99	-23	75
22	ECHO	SCOTT S UNION 76	MEMPHIS TN 38105 ***FRS ID:*** 110027637699	WNW	0.35 / 1,847.99	-23	76
22	ECHO	WATER SERVICE CENTER	MEMPHIS TN 38105 ***FRS ID:*** 110027690498	WNW	0.35 / 1,847.99	-23	76
23	ECHO	TENNISON BROTHERS INC	450 N BELLEVUE BLVD MEMPHIS TN 38104 ***FRS ID:*** 110004962498	ENE	0.38 / 1,981.92	0	77
24	LUST TRUST	BP STATION #767	821 POPLAR AVE MEMPHIS TN 38105 ***Facility ID*** **|** ***Status:*** 9791083 | Closed	WSW	0.38 / 2,010.42	5	78
24	LUST	AMOCO STATION #767	821 POPLAR AVENUE MEMPHIS TN 38105 ***Facility ID*** **|** ***Current Status:*** 9791083 | 8 Case Closed	WSW	0.38 / 2,010.42	5	79
24	LUST	BP/AMOCO #18440	821 Poplar Avenue Memphis TN 38105 ***Facility ID*** **|** ***Current Status:*** 9791083 | 8 Case Closed	WSW	0.38 / 2,010.42	5	79
24	LUST	Poplar Avenue BP	821 Poplar Avenue Memphis TN 38105 ***Facility ID*** **|** ***Current Status:*** 9791083 | 1d Completed Line Closure	WSW	0.38 / 2,010.42	5	79

Map Key	DB	Company/Site Name	Address	Direction	Distance (mi/ft)	Elev Diff (ft)	Page Number
24	LUST	Poplar Avenue BP	821 Poplar Avenue Memphis TN 38105 ***Facility ID*	*Current Status:*** 9791083 | 1a Completed Tank Closure	WSW	0.38 / 2,010.42	5	79
24	ECHO	AMOCO OIL SS# 767	821 POPLAR AVE MEMPHIS TN 38105 ***FRS ID:*** 110004994846	WSW	0.38 / 2,010.42	5	79
25	ECHO	PERLMAN F & CO INC	476 NORTH MANASSAS MEMPHIS TN 38101 ***FRS ID:*** 110004967484	WNW	0.41 / 2,156.04	-27	81
26	ECHO	ST. JUDE PARKING LOT	PARKING LOT ADJACENT TO 757 GALLOWAY AVE MEMPHIS TN 38105 ***FRS ID:*** 110070256407	NW	0.41 / 2,170.65	-22	82
27	ECHO	CITY OF MEMPHIS/SIGNS AND MARKINGS	435 MANASSAS MEMPHIS TN 38105 ***FRS ID:*** 110004953220	WNW	0.41 / 2,181.95	-28	83
28	LUST	VA MEDICAL CENTER	1030 JEFFERSON AVENUE Memphis TN 38104 ***Facility ID*	*Current Status:*** 790807 | 1a Completed Tank Closure	SSE	0.42 / 2,243.43	7	85
28	SEMS	VA MEDICAL CENTER	1030 JEFFERSON AVENUE MEMPHIS TN 38104 ***EPA ID:*** TNN000410932	SSE	0.42 / 2,243.43	7	85
28	BRS	VA MEDICAL CENTER	1030 JEFFERSON AVE MEMPHIS TN 38104	SSE	0.42 / 2,243.43	7	86
28	ECHO	MEMPHIS VA MEDICAL CENTER	1030 JEFFERSON AVE MEMPHIS TN 38104 ***FRS ID:*** 110009445948	SSE	0.42 / 2,243.43	7	88
28	ECHO	MEMPHIS VA MEDICAL CENTER	1030 JEFFERSON AVENUE MEMPHIS TN 38104 ***FRS ID:*** 110070383112	SSE	0.42 / 2,243.43	7	90
28	DOCKET HW	VA MEDICAL CENTER	1030 JEFFERSON AVE MEMPHIS TN 38104 ***EPA ID:*** TNN000410932	SSE	0.42 / 2,243.43	7	91
28	ECHO	USVA VETERANS ADMIN HOSPITAL	1030 JEFFERSON AVE MEMPHIS TN 38104 ***FRS ID:*** 110067808206	SSE	0.42 / 2,243.43	7	91
29	LUST TRUST	EXTRA EXPRESS MARKET	777 POPLAR AVE MEMPHIS TN 38105 ***Facility ID*	*Status:*** 9791539 | Closed	WSW	0.43 / 2,270.11	9	92

Map Key	DB	Company/Site Name	Address	Direction	Distance (mi/ft)	Elev Diff (ft)	Page Number
29	LUST TRUST	7-ELEVEN #25559	777 POPLAR AVE MEMPHIS TN ***Facility ID*	*Status:*** 9791539 | Closed	WSW	0.43 / 2,270.11	9	92
29	LUST TRUST	FLASH MARKET #72	777 POPLAR AVENUE MEMPHIS TN ***Facility ID*	*Status:*** 9791539 | Closed	WSW	0.43 / 2,270.11	9	92
29	LUST	FLASH OIL CO #72	777 POPLAR AVE MEMPHIS TN 38104 ***Facility ID*	*Current Status:*** 9791539 | 8 Case Closed	WSW	0.43 / 2,270.11	9	93
29	LUST	FLASH OIL CO #72	777 POPLAR AVE MEMPHIS TN 38104 ***Facility ID*	*Current Status:*** 9791539 | 8 Case Closed	WSW	0.43 / 2,270.11	9	93
29	DELISTED LST	FORMER EXTRA EXPRESS MART	777 Poplar Avenue Memphis TN 38104	WSW	0.43 / 2,270.11	9	93
29	LUST	EXTRA SEVEN ELEVEN, INC.	777 Poplar Avenue Memphis TN 38104 ***Facility ID*	*Current Status:*** 9791539 | 8 Case Closed	WSW	0.43 / 2,270.11	9	94
30	ECHO	HART BILL	974 FAXON MEMPHIS TN 38105 ***FRS ID:*** 110004971031	N	0.43 / 2,270.61	-4	94
31	LUST	AIR MASK SERVICE UNIT	1010 FOXON MEMPHIS TN 38105 ***Facility ID*	*Current Status:*** 9791109 | 1a Completed Tank Closure	NNE	0.43 / 2,287.19	-2	95
32	ECHO	ST. JUDE WAREHOUSE DRIVEWAY	483 NORTH MANASSAS STREET MEMPHIS TN 38105 ***FRS ID:*** 110070554932	NW	0.44 / 2,303.82	-22	95
33	ECHO	BLAIR TOWER APARTMENTS	810 WASHINGTON MEMPHIS TN 38105 ***FRS ID:*** 110028114555	SW	0.44 / 2,318.01	11	97
34	ECHO	LEBONHEUR CHILDREN'S MEDICAL CENTER	848 ADAMS AVENUE MEMPHIS TN 38103 ***FRS ID:*** 110001859551	SW	0.44 / 2,340.22	14	97
34	ECHO	METHODIST LEBONHEUR PEDIATRIC CVICU EXPANSION	848 ADAMS AVE. MEMPHIS TN 38104 ***FRS ID:*** 110070792825	SW	0.44 / 2,340.22	14	99
35	ECHO	CUSTOM CRAFT FURNITURE CO*	750 GALLOWAY MEMPHIS TN 38105	NW	0.45 / 2,367.37	-24	100

Map Key	DB	Company/Site Name	Address	Direction	Distance (mi/ft)	Elev Diff (ft)	Page Number
			FRS ID: 110004975215				
36	ECHO	HOSPITAL WING	UNKNOWN MEMPHIS TN 00000 ***FRS ID:*** 110041612699	S	0.46 / 2,428.45	0	101
37	SRP	AUTO-CHLOR, INC.	746 POPLAR AVENUE MEMPHIS TN	WSW	0.46 / 2,445.10	11	102
37	LUST	AUTO CLOR SYSTEM	746 POPLAR AVE MEMPHIS TN 38105 ***Facility ID	Current Status:*** 9790057 | 1a Completed Tank Closure	WSW	0.46 / 2,445.10	11	102
37	ECHO	JOHNSONDIVERSEY, INC.	746 POPLAR AVENUE MEMPHIS TN 38105 ***FRS ID:*** 110033623238	WSW	0.46 / 2,445.10	11	102
37	VCP	AUTO-CHLOR	746 POPLAR AVENUE MEMPHIS TN	WSW	0.46 / 2,445.10	11	104
37	VCP	AUTO-CHLOR, INC.	746 POPLAR AVENUE MEMPHIS TN	WSW	0.46 / 2,445.10	11	104
37	ECHO	AUTO-CHLOR SYSTEM LLC	746 POPLAR AVE MEMPHIS TN 38105 ***FRS ID:*** 110070319396	WSW	0.46 / 2,445.10	11	104
38	ECHO	REGIONAL MEDICAL CENTER @ MEMPHIS	877 JEFFERSON AVENUE MEMPHIS TN 38103 ***FRS ID:*** 110004982877	SW	0.47 / 2,471.96	5	105
39	ECHO	AUTO-CHLOR SYSTEM	745 POPLAR AVE MEMPHIS TN 38105 ***FRS ID:*** 110013323607	WSW	0.48 / 2,519.69	12	106
40	LUST	Le Bonhuer Faculty Office Building	824 Adams St. Memphis TN ***Facility ID	Current Status:*** 9799039 | 1a Completed Tank Closure	SW	0.48 / 2,530.75	16	107
41	LUST	THE MED ADAM'S BUILDING	842 JEFFERSON AVENUE Memphis TN 38103 ***Facility ID	Current Status:*** 9792354 | 8 Case Closed	SW	0.50 / 2,632.07	9	107

Executive Summary: Summary by Data Source

Standard

Federal

SEMS - SEMS List 8R Active Site Inventory

A search of the SEMS database, dated Jun 30, 2022 has found that there are 1 SEMS site(s) within approximately 0.50 miles of the project property.

Equal/Higher Elevation	Address	Direction	Distance (mi/ft)	Map Key
VA MEDICAL CENTER	1030 JEFFERSON AVENUE MEMPHIS TN 38104 ***EPA ID**: TNN000410932*	SSE	0.42 / 2,243.43	28

RCRA NON GEN - RCRA Non-Generators

A search of the RCRA NON GEN database, dated Jun 27, 2022 has found that there are 3 RCRA NON GEN site(s) within approximately 0.25 miles of the project property.

Equal/Higher Elevation	Address	Direction	Distance (mi/ft)	Map Key
MEMPHIS LIGHT GAS AND WATER DIVISION	418 DECATUR LANE MEMPHIS TN 38105 ***EPA Handler ID**: TNR000007278*	NNE	0.14 / 734.49	2

Lower Elevation	Address	Direction	Distance (mi/ft)	Map Key
COLLINS CHAPEL HOSP HLTH CTR	409 N AYERS ST MEMPHIS TN 38107 ***EPA Handler ID**: TND081341950*	NW	0.14 / 759.43	3
MITCHELL & SON INC	451 N WALDRAN MEMPHIS TN 38105 ***EPA Handler ID**: TND000005884*	NE	0.24 / 1,291.61	10

State

LUST - Environmental Activities on USTs

A search of the LUST database, dated Jul 6, 2022 has found that there are 13 LUST site(s) within approximately 0.50 miles of the project property.

Equal/Higher Elevation	Address	Direction	Distance (mi/ft)	Map Key
Poplar Avenue BP	821 Poplar Avenue Memphis TN 38105 ***Facility ID | Current Status**: 9791083 | 1a Completed Tank Closure*	WSW	0.38 / 2,010.42	24
Poplar Avenue BP	821 Poplar Avenue Memphis TN 38105	WSW	0.38 / 2,010.42	24

Equal/Higher Elevation	Address	Direction	Distance (mi/ft)	Map Key
	***Facility ID | Current Status**: 9791083 | 1d Completed Line Closure*			
BP/AMOCO #18440	821 Poplar Avenue Memphis TN 38105	WSW	0.38 / 2,010.42	24
	***Facility ID | Current Status**: 9791083 | 8 Case Closed*			
AMOCO STATION #767	821 POPLAR AVENUE MEMPHIS TN 38105	WSW	0.38 / 2,010.42	24
	***Facility ID | Current Status**: 9791083 | 8 Case Closed*			
VA MEDICAL CENTER	1030 JEFFERSON AVENUE Memphis TN 38104	SSE	0.42 / 2,243.43	28
	***Facility ID | Current Status**: 790807 | 1a Completed Tank Closure*			
EXTRA SEVEN ELEVEN, INC.	777 Poplar Avenue Memphis TN 38104	WSW	0.43 / 2,270.11	29
	***Facility ID | Current Status**: 9791539 | 8 Case Closed*			
FLASH OIL CO #72	777 POPLAR AVE MEMPHIS TN 38104	WSW	0.43 / 2,270.11	29
	***Facility ID | Current Status**: 9791539 | 8 Case Closed*			
FLASH OIL CO #72	777 POPLAR AVE MEMPHIS TN 38104	WSW	0.43 / 2,270.11	29
	***Facility ID | Current Status**: 9791539 | 8 Case Closed*			
AUTO CLOR SYSTEM	746 POPLAR AVE MEMPHIS TN 38105	WSW	0.46 / 2,445.10	37
	***Facility ID | Current Status**: 9790057 | 1a Completed Tank Closure*			
Le Bonhuer Faculty Office Building	824 Adams St. Memphis TN	SW	0.48 / 2,530.75	40
	***Facility ID | Current Status**: 9799039 | 1a Completed Tank Closure*			
THE MED ADAM'S BUILDING	842 JEFFERSON AVENUE Memphis TN 38103	SW	0.50 / 2,632.07	41
	***Facility ID | Current Status**: 9792354 | 8 Case Closed*			

Lower Elevation	Address	Direction	Distance (mi/ft)	Map Key
Exxon/Mobile Bulk Terminal	432 North Dunlap Memphis TN	WNW	0.26 / 1,356.74	15
	***Facility ID | Current Status**: 9799001 | 8 Case Closed*			
AIR MASK SERVICE UNIT	1010 FOXON MEMPHIS TN 38105	NNE	0.43 / 2,287.19	31
	***Facility ID | Current Status**: 9791109 | 1a Completed Tank Closure*			

LUST TRUST - Tennessee Petroleum Underground Storage Tank Fund

A search of the LUST TRUST database, dated Jul 6, 2022 has found that there are 4 LUST TRUST site(s) within approximately 0.50 miles of the project property.

Equal/Higher Elevation	Address	Direction	Distance (mi/ft)	Map Key
BP STATION #767	821 POPLAR AVE MEMPHIS TN 38105 ***Facility ID* | *Status***: *9791083* | *Closed*	WSW	0.38 / 2,010.42	24
7-ELEVEN #25559	777 POPLAR AVE MEMPHIS TN ***Facility ID* | *Status***: *9791539* | *Closed*	WSW	0.43 / 2,270.11	29
FLASH MARKET #72	777 POPLAR AVENUE MEMPHIS TN ***Facility ID* | *Status***: *9791539* | *Closed*	WSW	0.43 / 2,270.11	29
EXTRA EXPRESS MARKET	777 POPLAR AVE MEMPHIS TN 38105 ***Facility ID* | *Status***: *9791539* | *Closed*	WSW	0.43 / 2,270.11	29

DELISTED LST - Delisted Leaking Storage Tanks

A search of the DELISTED LST database, dated Jul 6, 2022 has found that there are 1 DELISTED LST site(s) within approximately 0.50 miles of the project property.

Equal/Higher Elevation	Address	Direction	Distance (mi/ft)	Map Key
FORMER EXTRA EXPRESS MART	777 Poplar Avenue Memphis TN 38104	WSW	0.43 / 2,270.11	29

UST - Underground Storage Tanks

A search of the UST database, dated Jul 6, 2022 has found that there are 3 UST site(s) within approximately 0.25 miles of the project property.

Equal/Higher Elevation	Address	Direction	Distance (mi/ft)	Map Key
Insulation And Refractories Service	1041 Galloway Memphis TN 38105 ***Facility ID* | *Facility Status***: *9790418* | *InActive* ***Tank ID***: *45988, 45987*	NNE	0.23 / 1,236.06	7

Lower Elevation	Address	Direction	Distance (mi/ft)	Map Key
Hardy's Service Station	955 Poplar Memphis TN 38105 ***Facility ID* | *Facility Status***: *9790387* | *InActive* ***Tank ID***: *45639, 45637, 45636, 45638*	SSW	0.24 / 1,254.60	8
Insulation And Refractories Services	1041 Galloway Avenue Memphis TN 38105 ***Facility ID* | *Facility Status***: *9790417* | *InActive* ***Tank ID***: *45985, 45986*	NE	0.24 / 1,266.43	9

INST - Sites Remediated with Institutional Controls

A search of the INST database, dated Jun 14, 2022 has found that there are 2 INST site(s) within approximately 0.50 miles of the project property.

Lower Elevation	Address	Direction	Distance (mi/ft)	Map Key
DIXIE HOMES	916 POPLAR AVENUE MEMPHIS TN	SW	0.26 / 1,356.61	14
SOUTHERN STEEL	431 DUNLAP MEMPHIS TN	NW	0.27 / 1,401.57	16

VCP - Voluntary Cleanup, Oversight and Assistance Program

A search of the VCP database, dated Jun 14, 2022 has found that there are 7 VCP site(s) within approximately 0.50 miles of the project property.

Equal/Higher Elevation	Address	Direction	Distance (mi/ft)	Map Key
AUTO-CHLOR	746 POPLAR AVENUE MEMPHIS TN	WSW	0.46 / 2,445.10	37
AUTO-CHLOR, INC.	746 POPLAR AVENUE MEMPHIS TN	WSW	0.46 / 2,445.10	37

Lower Elevation	Address	Direction	Distance (mi/ft)	Map Key
CHURCH'S FRIED CHICKEN	925 POPLAR AVENUE MEMPHIS TN	SSW	0.26 / 1,353.62	13
DIXIE HOMES	916 POPLAR AVENUE MEMPHIS TN	SW	0.26 / 1,356.61	14
MEMPHIS BULK PLANT	432 NORTH DUNLAP ST. MEMPHIS TN	WNW	0.26 / 1,356.74	15
SOUTHERN STEEL	431 DUNLAP MEMPHIS TN	NW	0.27 / 1,401.57	16
MEMPHIS MENTAL HEALTH INSTITUTE	865 POPLAR AVENUE MEMPHIS TN	SW	0.31 / 1,627.56	19

SRP - State Remediation Program List

A search of the SRP database, dated Jun 14, 2022 has found that there are 5 SRP site(s) within approximately 0.50 miles of the project property.

Equal/Higher Elevation	Address	Direction	Distance (mi/ft)	Map Key
AUTO-CHLOR, INC.	746 POPLAR AVENUE MEMPHIS TN	WSW	0.46 / 2,445.10	37

Lower Elevation	Address	Direction	Distance (mi/ft)	Map Key
CHURCH'S FRIED CHICKEN	925 POPLAR AVENUE MEMPHIS TN	SSW	0.26 / 1,353.62	13
MEMPHIS BULK PLANT	432 NORTH DUNLAP ST. MEMPHIS TN	WNW	0.26 / 1,356.74	15
SOUTHERN STEEL	431 DUNLAP MEMPHIS TN	NW	0.27 / 1,401.57	16
MEMPHIS MENTAL HEALTH INSTITUTE	865 POPLAR AVENUE MEMPHIS TN	SW	0.31 / 1,627.56	19

Non Standard

Federal

OSHA - Occupational Safety and Health Administration Enforcement Data

A search of the OSHA database, dated May 12, 2022 has found that there are 1 OSHA site(s) within approximately 0.02 miles of the project property.

Lower Elevation	Address	Direction	Distance (mi/ft)	Map Key
H D CONSTRUCTION COMPANY	DECATUR ST & PEACH AVE MEMPHIS TN 38105 ***Activity No**: 309227791*	ENE	0.01 / 39.95	1

CEA - Civil Enforcement Actions

A search of the CEA database, dated Nov 26, 2021 has found that there are 1 CEA site(s) within approximately 0.25 miles of the project property.

Equal/Higher Elevation	Address	Direction	Distance (mi/ft)	Map Key
BP'S LANE AVENUE AUTO PARTS, INC.	433 NORTH WALDRAN BLVD. MEMPHIS TN 38105 ***Registry ID**: 110059710638*	ENE	0.23 / 1,234.34	6

NPDES - Federal National Pollutant Discharge Elimination System (NPDES)

A search of the NPDES database, dated Jan 15, 2022 has found that there are 1 NPDES site(s) within approximately 0.25 miles of the project property.

Lower Elevation	Address	Direction	Distance (mi/ft)	Map Key
BP'S LANE AVENUE AUTO PARTS, INC.	433 NORTH WALDRAN BLVD. MEMPHIS MEMPHIS TN 38105 ***NPDES ID | Facility UIN**: TNR056533 | 110059710638*	ENE	0.23 / 1,231.91	5

BRS - Biennial Reporting System (BRS)

A search of the BRS database, dated Dec 16, 2016 has found that there are 1 BRS site(s) within approximately 0.50 miles of the project property.

Equal/Higher Elevation	Address	Direction	Distance (mi/ft)	Map Key
VA MEDICAL CENTER	1030 JEFFERSON AVE MEMPHIS TN 38104	SSE	0.42 / 2,243.43	28

ECHO - Enforcement and Compliance Data (ECHO)

A search of the ECHO database, dated May 5, 2021 has found that there are 54 ECHO site(s) within approximately 0.50 miles of the project property.

Equal/Higher Elevation	Address	Direction	Distance (mi/ft)	Map Key
MEMPHIS LIGHT GAS AND WATER DIVISION	418 DECATUR LANE MEMPHIS TN 38105 ***FRS ID**: 110005006741*	NNE	0.14 / 734.49	2
BP'S LANE AVENUE AUTO PARTS, INC.	433 NORTH WALDRAN BLVD. MEMPHIS TN 38105 ***FRS ID**: 110059710638*	ENE	0.23 / 1,234.34	6
MITCHELL & SON INC	451 N WALDRAN MEMPHIS TN 38105 ***FRS ID**: 110004954568*	ENE	0.25 / 1,318.01	11
POPLAR SQUARE APARTMENTS	1070 POPLAR AVE MEMPHIS TN 38104 ***FRS ID**: 110033195370*	SSE	0.28 / 1,503.03	17
REGAL OLDSMOBILE	850 POPLAR AVE MEMPHIS TN 38104 ***FRS ID**: 110004964487*	SW	0.33 / 1,721.94	21
AMOCO OIL SS# 767	821 POPLAR AVE MEMPHIS TN 38105 ***FRS ID**: 110004994846*	WSW	0.38 / 2,010.42	24
MEMPHIS VA MEDICAL CENTER	1030 JEFFERSON AVE MEMPHIS TN 38104 ***FRS ID**: 110009445948*	SSE	0.42 / 2,243.43	28
MEMPHIS VA MEDICAL CENTER	1030 JEFFERSON AVENUE MEMPHIS TN 38104 ***FRS ID**: 110070383112*	SSE	0.42 / 2,243.43	28

Equal/Higher Elevation	Address	Direction	Distance (mi/ft)	Map Key
USVA VETERANS ADMIN HOSPITAL	1030 JEFFERSON AVE MEMPHIS TN 38104 ***FRS ID**: 110067808206*	SSE	0.42 / 2,243.43	28
BLAIR TOWER APARTMENTS	810 WASHINGTON MEMPHIS TN 38105 ***FRS ID**: 110028114555*	SW	0.44 / 2,318.01	33
LEBONHEUR CHILDREN'S MEDICAL CENTER	848 ADAMS AVENUE MEMPHIS TN 38103 ***FRS ID**: 110001859551*	SW	0.44 / 2,340.22	34
METHODIST LEBONHEUR PEDIATRIC CVICU EXPANSION	848 ADAMS AVE. MEMPHIS TN 38104 ***FRS ID**: 110070792825*	SW	0.44 / 2,340.22	34
HOSPITAL WING	UNKNOWN MEMPHIS TN 00000 ***FRS ID**: 110041612699*	S	0.46 / 2,428.45	36
JOHNSONDIVERSEY, INC.	746 POPLAR AVENUE MEMPHIS TN 38105 ***FRS ID**: 110033623238*	WSW	0.46 / 2,445.10	37
AUTO-CHLOR SYSTEM LLC	746 POPLAR AVE MEMPHIS TN 38105 ***FRS ID**: 110070319396*	WSW	0.46 / 2,445.10	37
REGIONAL MEDICAL CENTER @ MEMPHIS	877 JEFFERSON AVENUE MEMPHIS TN 38103 ***FRS ID**: 110004982877*	SW	0.47 / 2,471.96	38
AUTO-CHLOR SYSTEM	745 POPLAR AVE MEMPHIS TN 38105 ***FRS ID**: 110013323607*	WSW	0.48 / 2,519.69	39

Lower Elevation	Address	Direction	Distance (mi/ft)	Map Key
COLLINS CHAPEL HOSP HLTH CTR	409 N AYERS ST MEMPHIS TN 38107 ***FRS ID**: 110004978980*	NW	0.14 / 759.43	3
BP'S LANE AVENUE AUTO PARTS, INC.	433 NORTH WALDRAN BLVD. MEMPHIS TN 38105 ***FRS ID**: 3400083528*	ENE	0.23 / 1,231.91	5
DIXIE MANUFACTURING COMPANY	1071 GALLOWAY MEMPHIS TN 38105 ***FRS ID**: 110011792300*	NE	0.25 / 1,334.17	12
MEMPHIS HOUSING AUTHORITY-DIXIE HOME DEV	916 POPLAR AVE MEMPHIS TN 38105	SW	0.26 / 1,356.61	14

Lower Elevation	Address	Direction	Distance (mi/ft)	Map Key
	***FRS ID**: 110004951589*			
COX PRINTING CO	467 N WALDRAN BLVD MEMPHIS TN 38105	NE	0.29 / 1,523.86	18
	***FRS ID**: 110004999217*			
MLGW-MALLORY PUMPING STATION	488 NORTH DUNLAP MEMPHIS TN 38105	NW	0.32 / 1,712.50	20
	***FRS ID**: 110018864558*			
MALLORY PUMPING STATION	488 NORTH DUNLAP MEMPHIS TN 38103	NW	0.32 / 1,712.50	20
	***FRS ID**: 110070217327*			
TN TECHOLOGY CENTER OF MEMPHIS	MEMPHIS TN 38105	WNW	0.35 / 1,847.99	22
	***FRS ID**: 110027730221*			
GREYHOUND MAINTENANCE GARAGE	MEMPHIS TN 38105	WNW	0.35 / 1,847.99	22
	***FRS ID**: 110027665284*			
(FORMERLY) CHIP BARWICK CHEVROLET	MEMPHIS TN 38105	WNW	0.35 / 1,847.99	22
	***FRS ID**: 110027747605*			
POPLAR AVENUE BP	MEMPHIS TN 38105	WNW	0.35 / 1,847.99	22
	***FRS ID**: 110027703910*			
INSULATION AND REFRACTORIES SERVICE	MEMPHIS TN 38105	WNW	0.35 / 1,847.99	22
	***FRS ID**: 110027728323*			
WILLIAMS EXPRESS, INC. # 3254	MEMPHIS TN 38105	WNW	0.35 / 1,847.99	22
	***FRS ID**: 110027727173*			
FORMER UNION GROVE BAPTIST CHURCH	MEMPHIS TN 38105	WNW	0.35 / 1,847.99	22
	***FRS ID**: 110027628976*			
HARDY S SERVICE STATION	MEMPHIS TN 38105	WNW	0.35 / 1,847.99	22
	***FRS ID**: 110027694136*			
PUBLIC WORKS SEWER AND DRAIN MAINT	MEMPHIS TN 38105	WNW	0.35 / 1,847.99	22
	***FRS ID**: 110027616881*			
GOODYEAR ASC (CLOSED)	MEMPHIS TN 38105	WNW	0.35 / 1,847.99	22

Lower Elevation	Address	Direction	Distance (mi/ft)	Map Key
	***FRS ID**: 110027652118*			
MALLORY PUMPING STATION	MEMPHIS TN 38105	WNW	0.35 / 1,847.99	22
	***FRS ID**: 110027741442*			
AIR MASK SERVICE UNIT	MEMPHIS TN 38105	WNW	0.35 / 1,847.99	22
	***FRS ID**: 110027753857*			
GREYHOUND TERMINAL	MEMPHIS TN 38105	WNW	0.35 / 1,847.99	22
	***FRS ID**: 110027673765*			
UT MEDICAL GROUP	MEMPHIS TN 38105	WNW	0.35 / 1,847.99	22
	***FRS ID**: 110027733898*			
FLEET SERVICES	MEMPHIS TN 38105	WNW	0.35 / 1,847.99	22
	***FRS ID**: 110027710172*			
AUTO CHLOR SYSTEM	MEMPHIS TN 38105	WNW	0.35 / 1,847.99	22
	***FRS ID**: 110027752732*			
SCOTT S UNION 76	MEMPHIS TN 38105	WNW	0.35 / 1,847.99	22
	***FRS ID**: 110027637699*			
WATER SERVICE CENTER	MEMPHIS TN 38105	WNW	0.35 / 1,847.99	22
	***FRS ID**: 110027690498*			
GS VEHICLE MAINTENANCE	MEMPHIS TN 38105	WNW	0.35 / 1,847.99	22
	***FRS ID**: 110027676799*			
INSULATION AND REFRACTORIES SERVICES	MEMPHIS TN 38105	WNW	0.35 / 1,847.99	22
	***FRS ID**: 110027728369*			
MEMPHIS BULK PLANT	MEMPHIS TN 38105	WNW	0.35 / 1,847.99	22
	***FRS ID**: 110027768100*			
SHELBY COUNTY COURT OF MEMPHIS	MEMPHIS TN 38105	WNW	0.35 / 1,847.99	22
	***FRS ID**: 110027683175*			
DOWNTOWN SHELL	MEMPHIS TN 38105	WNW	0.35 / 1,847.99	22

Lower Elevation	Address	Direction	Distance (mi/ft)	Map Key
	***FRS ID**: 110027603715*			
TENNISON BROTHERS INC	450 N BELLEVUE BLVD MEMPHIS TN 38104 ***FRS ID**: 110004962498*	ENE	0.38 / 1,981.92	23
PERLMAN F & CO INC	476 NORTH MANASSAS MEMPHIS TN 38101 ***FRS ID**: 110004967484*	WNW	0.41 / 2,156.04	25
ST. JUDE PARKING LOT	PARKING LOT ADJACENT TO 757 GALLOWAY AVE MEMPHIS TN 38105 ***FRS ID**: 110070256407*	NW	0.41 / 2,170.65	26
CITY OF MEMPHIS/SIGNS AND MARKINGS	435 MANASSAS MEMPHIS TN 38105 ***FRS ID**: 110004953220*	WNW	0.41 / 2,181.95	27
HART BILL	974 FAXON MEMPHIS TN 38105 ***FRS ID**: 110004971031*	N	0.43 / 2,270.61	30
ST. JUDE WAREHOUSE DRIVEWAY	483 NORTH MANASSAS STREET MEMPHIS TN 38105 ***FRS ID**: 110070554932*	NW	0.44 / 2,303.82	32
CUSTOM CRAFT FURNITURE CO*	750 GALLOWAY MEMPHIS TN 38105 ***FRS ID**: 110004975215*	NW	0.45 / 2,367.37	35

DOCKET HW - Hazardous Waste Compliance Docket Facilities

A search of the DOCKET HW database, dated May 6, 2021 has found that there are 1 DOCKET HW site(s) within approximately 0.50 miles of the project property.

Equal/Higher Elevation	Address	Direction	Distance (mi/ft)	Map Key
VA MEDICAL CENTER	1030 JEFFERSON AVE MEMPHIS TN 38104 ***EPA ID**: TNN000410932*	SSE	0.42 / 2,243.43	28

State

SWM COMPLAINT - Solid Waste Management (SWM) Complaints

A search of the SWM COMPLAINT database, dated Jan 25, 2021 has found that there are 1 SWM COMPLAINT site(s) within approximately 0.25 miles of the project property.

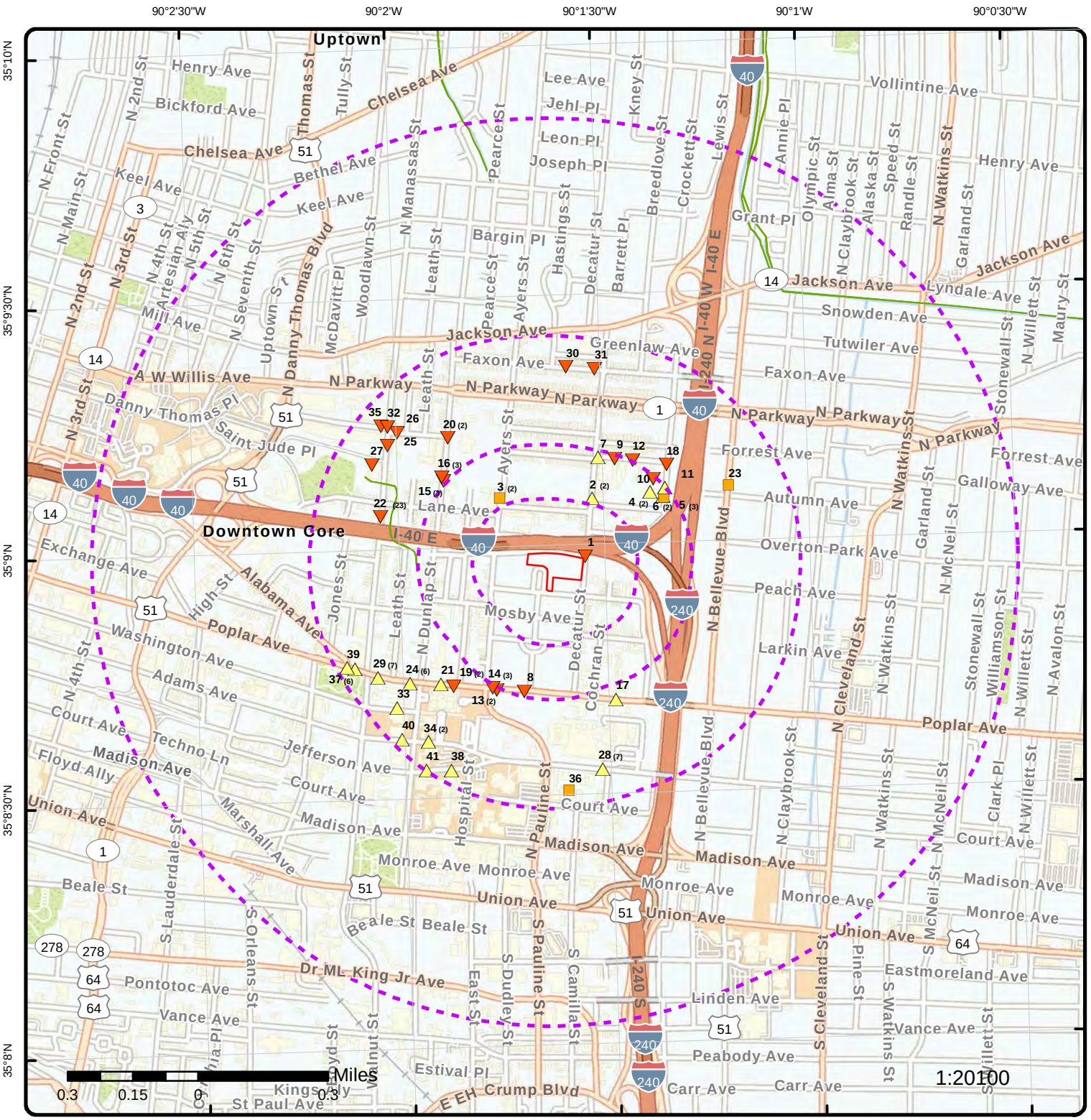
Equal/Higher Elevation	Address	Direction	Distance (mi/ft)	Map Key
McKenzie - Lane Auto Salvage	433 North Waldran Memphis TN	ENE	0.22 / 1,150.68	4

NPDES - NPDES Permit Listing

A search of the NPDES database, dated Jul 7, 2022 has found that there are 2 NPDES site(s) within approximately 0.25 miles of the project property.

Equal/Higher Elevation	Address	Direction	Distance (mi/ft)	Map Key
McKenzie - Lane Auto Salvage	433 North Waldran Memphis TN	ENE	0.22 / 1,150.68	4

Lower Elevation	Address	Direction	Distance (mi/ft)	Map Key
BP's Lane Avenue Auto Parts, Inc.	433 North Waldran Blvd. Memphis TN	ENE	0.23 / 1,231.91	5



Map: 1.0 Mile Radius

Order Number: 22082403331

Address: Legends Park Block A, Memphis, TN

- Project Property
- Buffer Outline
- Eris Sites with Higher Elevation
- Eris Sites with Same Elevation
- Eris Sites with Lower Elevation
- Eris Sites with Unknown Elevation
- Eris Areas with Higher Elevation
- Eris Areas with Same Elevation
- Eris Areas with Lower Elevation
- Eris Areas with Unknown Elevation
- Freeways; Highways
- Traffic Circle; Ramp
- Major & Minor Arterial
- Traffic Circle; Ramp
- Local Road
- Rail
- State
- Country
- National Wetland
- Indian Reserve Land
- Plume
- 100 Year Flood Zone
- 500 Year Flood Zone
- FWS Special Designation Areas

Source: © 2021 ESRI StreetMap Premium

© ERIS Information Inc.

Map: 0.5 Mile Radius

Order Number: 22082403331

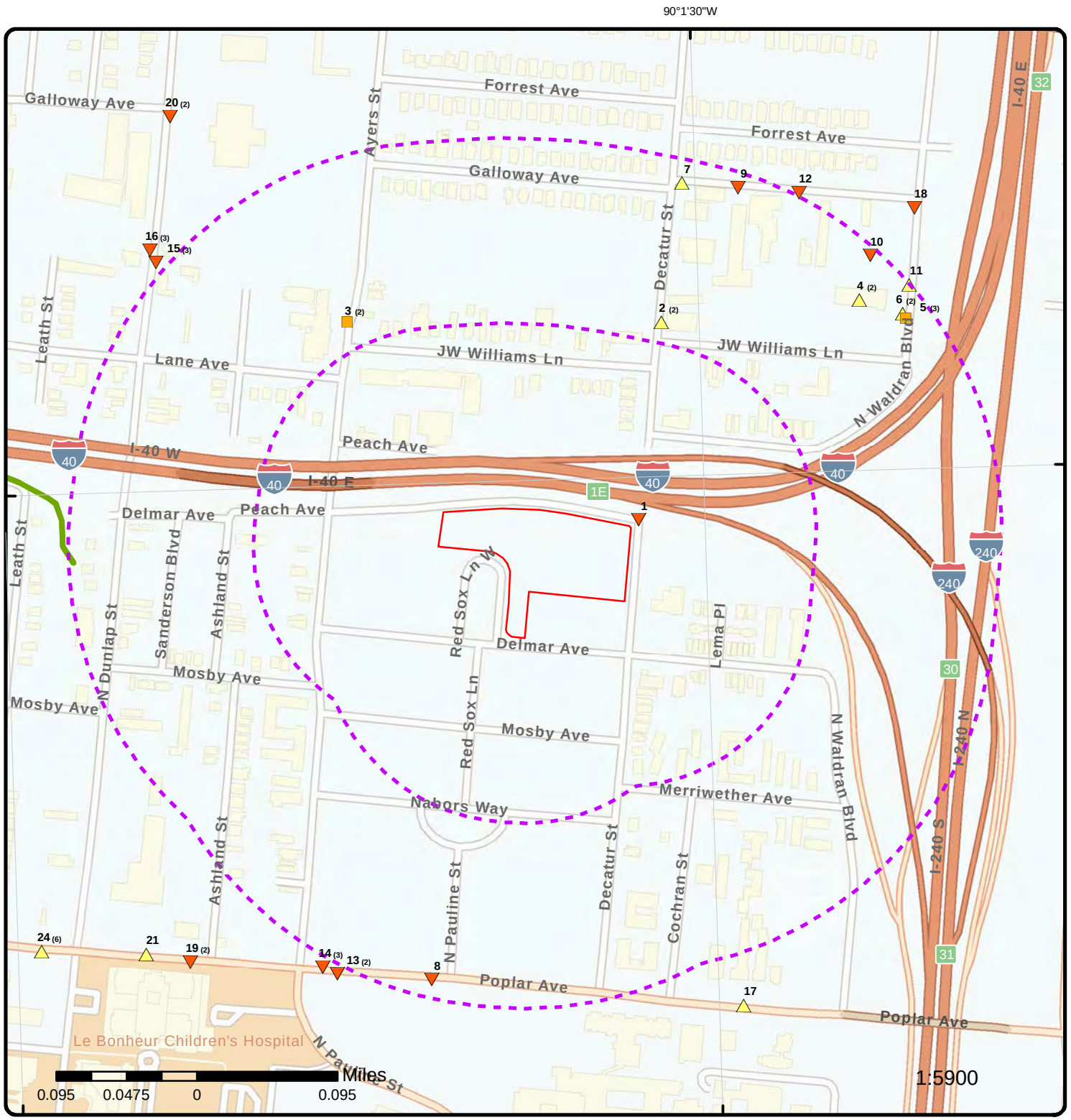
Address: Legends Park Block A, Memphis, TN

ERIS

- Project Property
- Buffer Outline
- Eris Sites with Higher Elevation
- Eris Sites with Same Elevation
- Eris Sites with Lower Elevation
- Eris Sites with Unknown Elevation
- Eris Areas with Higher Elevation
- Eris Areas with Same Elevation
- Eris Areas with Lower Elevation
- Eris Areas with Unknown Elevation
- Freeways; Highways
- Traffic Circle; Ramp
- Major & Minor Arterial
- Traffic Circle; Ramp
- Local Road
- Rail
- State
- Country
- National Wetland
- Indian Reserve Land
- Plume
- 100 Year Flood Zone
- 500 Year Flood Zone
- FWS Special Designation Areas

Source: © 2021 ESRI StreetMap Premium

© ERIS Information Inc.



Map: 0.25 Mile Radius

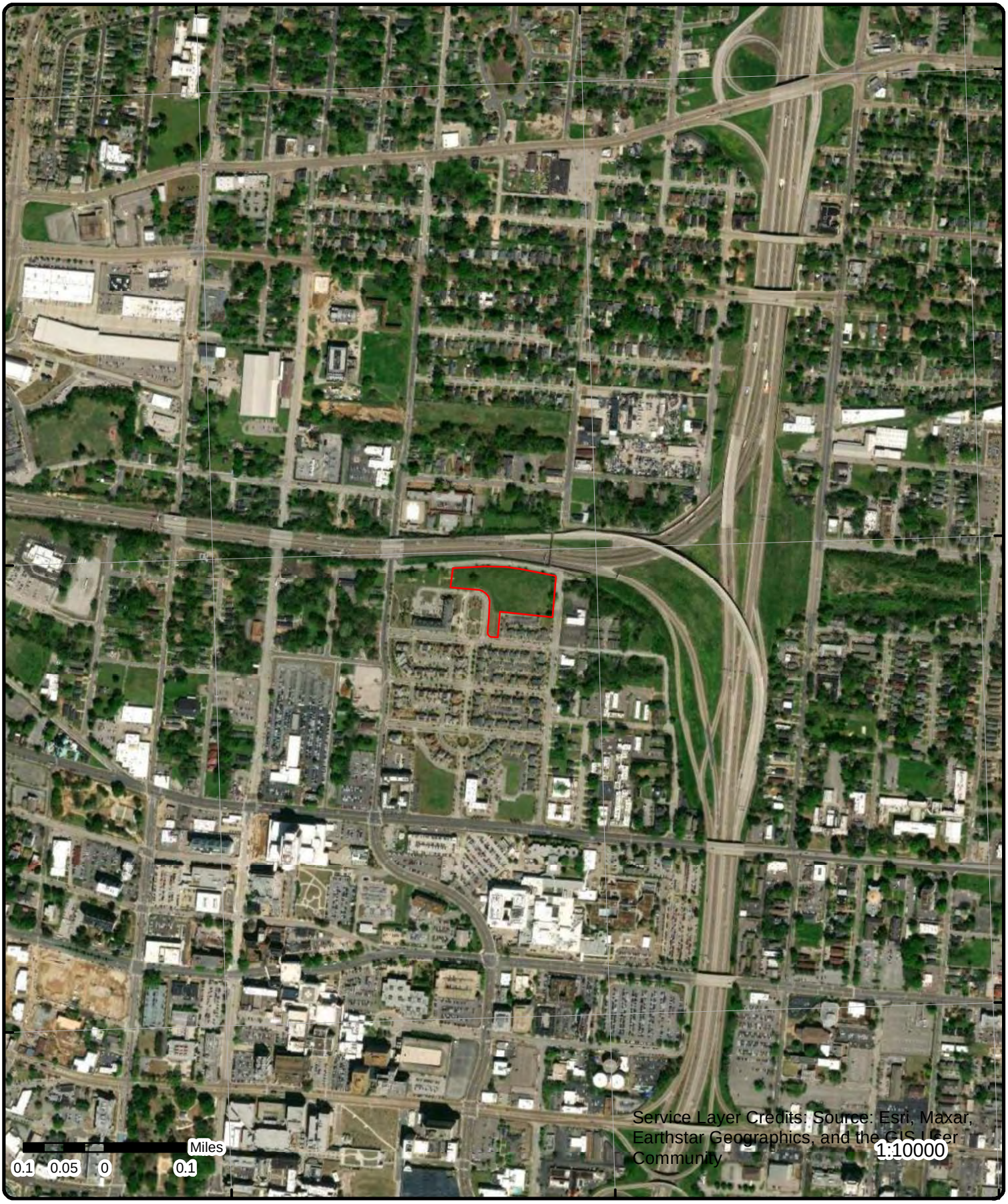
Order Number: 22082403331

Address: Legends Park Block A, Memphis, TN

- Project Property
- Buffer Outline
- Eris Sites with Higher Elevation
- Eris Sites with Same Elevation
- Eris Sites with Lower Elevation
- Eris Sites with Unknown Elevation
- Eris Areas with Higher Elevation
- Eris Areas with Same Elevation
- Eris Areas with Lower Elevation
- Eris Areas with Unknown Elevation
- Freeways; Highways
- Traffic Circle; Ramp
- Major & Minor Arterial
- Traffic Circle; Ramp
- Local Road
- Rail
- State
- Country
- National Wetland
- Indian Reserve Land
- Plume
- 100 Year Flood Zone
- 500 Year Flood Zone
- FWS Special Designation Areas

Source: © 2021 ESRI StreetMap Premium

© ERIS Information Inc.



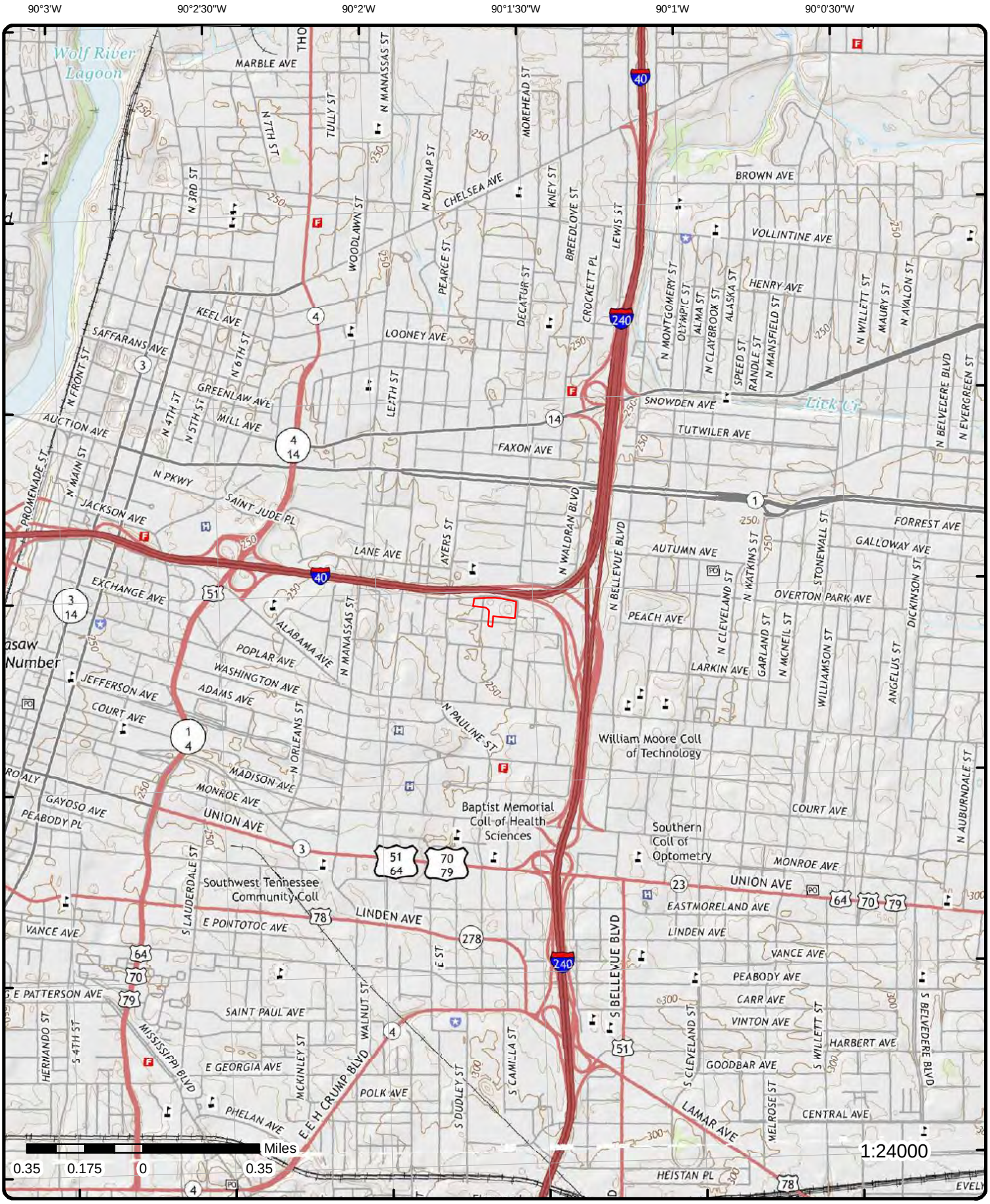
Aerial **Year: 2041**

Order Number: 22082403331

Address: Legends Park Block A, Memphis, TN

Source: ESRI World Imagery

© ERIS Information Inc.



Topographic Map

Year: 2016

Order Number: 22082403331

Address: Legends Park Block A, TN

Quadrangle(s): Northeast Memphis, TN; Northwest Memphis, TN; Southwest Memphis, TN

Source: USGS Topographic Map

© ERIS Information Inc.

Detail Report

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
1	1 of 1	ENE	0.01 / 39.95	255.43 / -4	H D CONSTRUCTION COMPANY DECATUR ST & PEACH AVE MEMPHIS TN 38105	OSHA

Activity No:	309227791	**Safety/Health:**	Safety
Reporting ID:	0454711	**Safety Manufacturing:**	
Establishment Name:	H D CONSTRUCTION COMPANY	**Safety Construction:**	X
Open Date:	2005-09-07	**Safety Maritime:**	
Case Closed Date:	2005-09-23	**Health Manufacturing:**	
Owner Type:	Private	**Health Construction:**	
Owner Code:	0000	**Health Maritime:**	
Inspection Type:	Complaint	**SIC Code:**	1771
Inspection Scope:	Partial	**SIC Desc:**	Concrete work
Why No Inspection:		**NAICS Code:**	238110
Advance Notice:	No	**NAICS Desc:**	Poured concrete foundation and structure contractors
Union Status:	No	**Mail Street:**	P. O. BOX 3138
No. of Employees:	8	**Mail City:**	FLORENCE
Migrant:		**Mail State:**	AL
State Flag:		**Mail Zip:**	35631
Host Establishment Key:	N125 000043508		
Case Modification Date:	2008-03-31		
Close Conference Date:	2005-09-07		
Load Date Timestamp:	2011-10-14 16:38:47 EDT		

OSHA Related Activity

Related Activity NR:	205509730
Related Activity Type:	C
Related Activity Safety:	X
Related Activity Health:	
Load Date Timestamp:	2011-10-14 16:41:57 EDT

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
2	1 of 2	NNE	0.14 / 734.49	262.26 / 3	MEMPHIS LIGHT GAS AND WATER DIVISION 418 DECATUR LANE MEMPHIS TN 38105	RCRA NON GEN

EPA Handler ID:	TNR000007278
Gen Status Universe:	No Report
Contact Name:	MONICA DARBY
Contact Address:	418 DECATUR LANE , , MEMPHIS , TN, 38105 , US
Contact Phone No and Ext:	901-528-4423
Contact Email:	
Contact Country:	US
County Name:	SHELBY
EPA Region:	04
Land Type:	
Receive Date:	20000303
Location Latitude:	
Location Longitude:	

Violation/Evaluation Summary

Note:	NO RECORDS: As of Jun 2022, there are no Compliance Monitoring and Enforcement (violation) records associated with this facility (EPA ID).

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Handler Summary

Importer Activity:	No
Mixed Waste Generator:	No
Transporter Activity:	No
Transfer Facility:	No
Onsite Burner Exemption:	No
Furnace Exemption:	No
Underground Injection Activity:	No
Commercial TSD:	No
Used Oil Transporter:	No
Used Oil Transfer Facility:	No
Used Oil Processor:	No
Used Oil Refiner:	No
Used Oil Burner:	No
Used Oil Market Burner:	No
Used Oil Spec Marketer:	No

Hazardous Waste Handler Details

Sequence No:	1
Receive Date:	20000303
Handler Name:	MEMPHIS LIGHT GAS AND WATER DIVISION
Source Type:	Notification
Federal Waste Generator Code:	N
Generator Code Description:	Not a Generator, Verified

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
2	2 of 2	NNE	0.14 / 734.49	262.26 / 3	MEMPHIS LIGHT GAS AND WATER DIVISION 418 DECATUR LANE MEMPHIS TN 38105	ECHO

FRS ID:	110005006741	***Facility Latitude:***	35.1516
Fac EPA Region:	04	***Facility Longitude:***	-90.02553
Facility County:	SHELBY		

Facility Details

Major Facility?:		***Air?:***	No
Active/Operating?:		***NPDES?:***	No
Compliance Status:	No Violation Identified	***SDWIS?:***	No
Signif Non Compl?:	N	***RCRA?:***	Yes
Programs with SNC:	0	***TRI?:***	No
Qtrs with NC:	0	***GHG?:***	No
3Yr Compliance Hist:	_____	***SIC Codes:***	
Formal Action Count:	0	***NAICS Codes:***	2211
Last Formal Action:		***FIPS Code:***	47157
Last EPA Formal Act:		***Indian/Tribal?:***	No
Last State Formal Act:		***Federal ?:***	
Informal Count:	0	***Federal Agency:***	
Last Informal Action:		***Chesapeake Bay?:***	
Last EPA Informal A:		***NAA?:***	No
Last State Informal A:		***Coordinate Method:***	ADDRESS MATCHING-HOUSE NUMBER
Total Penalties:	0	***Reference Point:***	CENTER OF A FACILITY OR STATION
Penalty Count:		***Accuracy (Meters):***	30
Date of Last Penalty:		***Inspection Count:***	0
Last Penalty Amount:		***Last Inspection:***	
myRTK Universe:	NNN	***Last EPA Inspection:***	
Dschg Impair Water?:		***Last State Inspection:***	
EJ Screen 80%:	Yes	***Days Last Inspection:***	
DFR URL:	http://echo.epa.gov/detailed-facility-report?fid=110005006741		

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Resource Conservation and Recovery Act (RCRA)

RCRA ID(s):	TNR000007278	***Penalties:***	
Permit Types:	Other	***Last Penalty Date:***	
RCRA NAICS:	2211	***Last Penalty Amt:***	
Inspection Count:		***Qtrs with NC:***	0
Informal Count:		***Compliance Status:***	No Violation Identified
Formal Action Cnt:		***SNC ?:***	No
Days since Last Evaluation:			
Date of Last Formal Action:			
3Yr Compl Qtrs History:	_____		

Facility Details - Data Download

Compliance Status:	No Violation Identified	***Federal?:***	
Active/Operating:		***Federal Agency Nam:***	
SNC?:	No	***SIC Codes:***	
Qtrs in NC?:	0	***NAICS Codes:***	2211
Formal Action Cnt:	0	***EJ Screen 80%:***	10
Last Formal Action:		***Indian/Tribal?:***	N
Informal Count:	0	***Indian/Spatial?:***	No
Total Penalties:	0	***Tile Proxmty NPDES:***	78.3
Penalty Count:		***Tile Proximity NPL:***	88.3
Dt of Last Penalty:		***Tile Proximity RMP:***	80
Last Penalty Amt:		***Tile Proximty TSDF:***	84.8
Inspection Count:	0	***Tile O3:***	84.4
Dt of Last Inspect:		***Tile PM:***	84
RMP ID(s):		***Tile PCT Pre 1960:***	96.6
EIS ID(s):		***Tile DPM:***	89.9
SEMS IDs:		***Mapped:***	Yes
EPCRA Inspctns 5Yr:		***State County FIPS Cd:***	47157
FIFRA Inspctns 5Yr:		***County [FRS]:***	SHELBY COUNTY
NAA Stndr Classfd as Nonattn:			
NAA Stndr Classfd Maintennc:	Carbon Monoxide (1971); 1-Hour Ozone (1979); 8-Hour Ozone (2008)		
Nonattain Pollutants in NAAs:			
Maintenance Pollutants NAAs:	Carbon Monoxide; Ozone		
Within a Nonattaining NAA:			
Within a Maintenance NAA:	Y		
Date of Last Inspection (EPA):			
Dt Last Inspection(State/Local):			
Days since Last Inspection:			
DFR URL:	https://echo.epa.gov/detailed-facility-report?fid=110005006741		

Resource Conservation and Recovery Act (RCRA) - Data Download

RCRA ID(s):	TNR000007278	***Informal Count:***	
Permit Type(s):	Other	***Formal Action Cnt:***	
Inspection Count:		***Penalties:***	
Compliance Status:	No Violation Identified		

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
3	*1 of 2*	*NW*	*0.14 / 759.43*	*259.18 / 0*	***COLLINS CHAPEL HOSP HLTH CTR*** ***409 N AYERS ST*** ***MEMPHIS TN 38107***	***RCRA NON GEN***

EPA Handler ID:	TND081341950
Gen Status Universe:	No Report
Contact Name:	COLLINS CHAPEL
Contact Address:	409 N AYERS ST , , MEMPHIS , TN, 38107 , US
Contact Phone No and Ext:	615-555-1212
Contact Email:	
Contact Country:	US
County Name:	SHELBY
EPA Region:	04
Land Type:	

Receive Date: 19801119
Location Latitude:
Location Longitude:

Violation/Evaluation Summary

Note: NO RECORDS: As of Jun 2022, there are no Compliance Monitoring and Enforcement (violation) records associated with this facility (EPA ID).

Handler Summary

Importer Activity: No
Mixed Waste Generator: No
Transporter Activity: No
Transfer Facility: No
Onsite Burner Exemption: No
Furnace Exemption: No
Underground Injection Activity: No
Commercial TSD: No
Used Oil Transporter: No
Used Oil Transfer Facility: No
Used Oil Processor: No
Used Oil Refiner: No
Used Oil Burner: No
Used Oil Market Burner: No
Used Oil Spec Marketer: No

Hazardous Waste Handler Details

Sequence No: 1
Receive Date: 19801119
Handler Name: COLLINS CHAPEL HOSP HLTH CTR
Source Type: Notification
Federal Waste Generator Code: N
Generator Code Description: Not a Generator, Verified

---

3 ***2 of 2*** ***NW*** ***0.14 / 759.43*** ***259.18 / 0*** ***COLLINS CHAPEL HOSP HLTH CTR***
409 N AYERS ST
MEMPHIS TN 38107 ***ECHO***

FRS ID: 110004978980
Fac EPA Region: 04
Facility County: SHELBY
Facility Latitude: 35.15154
Facility Longitude: -90.02923

Facility Details

Major Facility?:
Active/Operating?:
Compliance Status: No Violation Identified
Signif Non Compl?: N
Programs with SNC: 0
Qtrs with NC: 0
3Yr Compliance Hist: _____
Formal Action Count: 0
Last Formal Action:
Last EPA Formal Act:
Last State Formal Act:
Informal Count: 0
Last Informal Action:
Last EPA Informal A:
Last State Informal A:
Total Penalties: 0

Air?: No
NPDES?: No
SDWIS?: No
RCRA?: Yes
TRI?: No
GHG?: No
SIC Codes:
NAICS Codes: 62211
FIPS Code: 47157
Indian/Tribal?: No
Federal ?:
Federal Agency:
Chesapeake Bay?:
NAA?: No
Coordinate Method: ADDRESS MATCHING-HOUSE NUMBER
Reference Point: CENTER OF A FACILITY OR STATION

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Penalty Count:		**Accuracy (Meters):**	30
Date of Last Penalty:		**Inspection Count:**	0
Last Penalty Amount:		**Last Inspection:**	
myRTK Universe:	NNN	**Last EPA Inspection:**	
Dschg Impair Water?:		**Last State Inspection:**	
EJ Screen 80%:	Yes	**Days Last Inspection:**	
DFR URL:	http://echo.epa.gov/detailed-facility-report?fid=110004978980		

Resource Conservation and Recovery Act (RCRA)

RCRA ID(s):	TND081341950	**Penalties:**	
Permit Types:	Other	**Last Penalty Date:**	
RCRA NAICS:	62211	**Last Penalty Amt:**	
Inspection Count:		**Qtrs with NC:**	0
Informal Count:		**Compliance Status:**	No Violation Identified
Formal Action Cnt:		**SNC ?:**	No
Days since Last Evaluation:			
Date of Last Formal Action:			
3Yr Compl Qtrs History:	_____		

Facility Details - Data Download

Compliance Status:	No Violation Identified	**Federal?:**	
Active/Operating:		**Federal Agency Nam:**	
SNC?:	No	**SIC Codes:**	
Qtrs in NC?:	0	**NAICS Codes:**	62211
Formal Action Cnt:	0	**EJ Screen 80%:**	10
Last Formal Action:		**Indian/Tribal?:**	N
Informal Count:	0	**Indian/Spatial?:**	No
Total Penalties:	0	**Tile Proxmty NPDES:**	78.3
Penalty Count:		**Tile Proximity NPL:**	88.3
Dt of Last Penalty:		**Tile Proximity RMP:**	80
Last Penalty Amt:		**Tile Proximty TSDF:**	84.8
Inspection Count:	0	**Tile O3:**	84.4
Dt of Last Inspect:		**Tile PM:**	84
RMP ID(s):		**Tile PCT Pre 1960:**	96.6
EIS ID(s):		**Tile DPM:**	89.9
SEMS IDs:		**Mapped:**	Yes
EPCRA Inspctns 5Yr:		**State County FIPS Cd:**	47157
FIFRA Inspctns 5Yr:		**County [FRS]:**	SHELBY COUNTY
NAA Stndr Classfd as Nonattn:			
NAA Stndr Classfd Maintennc:	Carbon Monoxide (1971); 1-Hour Ozone (1979); 8-Hour Ozone (2008)		
Nonattain Pollutants in NAAs:			
Maintenance Pollutants NAAs:	Carbon Monoxide; Ozone		
Within a Nonattaining NAA:			
Within a Maintenance NAA:	Y		
Date of Last Inspection (EPA):			
Dt Last Inspection(State/Local):			
Days since Last Inspection:			
DFR URL:	https://echo.epa.gov/detailed-facility-report?fid=110004978980		

Resource Conservation and Recovery Act (RCRA) - Data Download

RCRA ID(s):	TND081341950	**Informal Count:**	
Permit Type(s):	Other	**Formal Action Cnt:**	
Inspection Count:		**Penalties:**	
Compliance Status:	No Violation Identified		

4	1 of 2	ENE	0.22 / 1,150.68	260.61 / 1	McKenzie - Lane Auto Salvage 433 North Waldran Memphis TN	NPDES

Permit No:	TNR050577	**Expiration:**	31-DEC-2006
Site ID:	7529	**Effective:**	12-MAY-2002
TDOT Pin:		**Issuance:**	08-MAY-2002

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

TDOT Project No:		**App to NonComm Off:**	07-MAY-2002
MS4:	TNS068276	**Discharge Code:**	
Std Indust Class:	5015	**Discharge Cd Desc:**	
Hydro Code:	08010210	**Watershed Name:**	Wolf
Status:	Inactive	**Env Fld Office Nm:**	Memphis
Type:	TMSP	**County:**	Shelby
Rating:	N/A		

Site Name: McKenzie - Lane Auto Salvage
Permittee Name: McKenzie - Lane Auto Salvage
Project Name:
ARAP Type:
Activity Desc: Auto Recycling
Effluent Desc:
Receiving Stream: Unnamed tributary to the Wolf River
Location: 433 North Waldran
Permit Type Desc: Tennessee Storm Water Multi-Sector General NPDES Permit for Industrial Activities
Status Desc: Inactivated

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
4	2 of 2	ENE	0.22 / 1,150.68	260.61 / 1	McKenzie - Lane Auto Salvage 433 North Waldran Memphis TN	SWM COMPLAINT

Complaint ID:	46636	**RCV Mon Year:**	FEB-2018
Facility ID:	NRS790000198	**Calendar Days:**	25
Site ID:	7529	**DIV:**	SWM
Permit No:		**EFO:**	Memphis
Investigated:	FEB-27-2018	**County:**	Shelby
Status:	NOV	**Other Counties:**	
Completed:	MAR-20-2018	**Latitude:**	
Received:	FEB-02-2018	**Longitude:**	
Site Owner:	Donna Greer		

Site Description: Auto Recycling

Complaint

Complaint No: 46636
Assigned Date: FEB-23-2018
Date Received: FEB-02-2018
How Received: Phone
Concerning: Used Oil
Concering (Other):

Investigation

Status: NOV
Status Detail: Area where engines are pulled had some staining on the ground as well as a few puddles of antifreeze from incidental spillage. Once engines and transmissions are removed they are drained into an oil tank inside the building and used to power a used oil heater. Owner agreed to move the rack onto a concrete surface, remove the stained soil and institute procedures to minimize and contain spillage. An NOV will be sent.
NOV mailed 3/7/18
Responsible Party: Josh Smith-Lane Auto Parts
Resp Party Phone: 901-525-7278
Photos:
Date Investigated: FEB-27-2018
Date Completed: MAR-20-2018
Date Referred:
Referred to:
Last Updated: JUN-29-2018
Updated by: BG35162

Parent Site

Parent Site Name: McKenzie - Lane Auto Salvage
Site Location: 433 North Waldran

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

County: Shelby
EFO: Memphis
Latitude: 35.151498
Longitude: -90.022579

---

5 *1 of 3* *ENE* *0.23 / 1,231.91* *259.17 / 0*

BP's Lane Avenue Auto Parts, Inc.
433 North Waldran Blvd.
Memphis TN

NPDES

Permit No: TNR056533
Site ID: 11751
TDOT Pin:
TDOT Project No:
MS4: TNS068276
Std Indust Class: 5015
Hydro Code: 08010210
Status: Active
Type: TMSP
Rating: N/A
Site Name: BP's Lane Avenue Auto Parts, Inc.
Permittee Name: BP's Lane Avenue Auto Parts, Inc.
Project Name:
ARAP Type:
Activity Desc:
Effluent Desc:
Receiving Stream: Cypress Creek
Location: 433 North Waldran Blvd.
Permit Type Desc: Tennessee Storm Water Multi-Sector General NPDES Permit for Industrial Activities
Status Desc: Active Pemit

Expiration: 30-JUN-2025
Effective: 20-JUL-2020
Issuance: 19-JUL-2020
App to NonComm Off: 15-MAR-2016
Discharge Code:
Discharge Cd Desc:
Watershed Name: Wolf
Env Fld Office Nm: Memphis
County: Shelby

---

5 *2 of 3* *ENE* *0.23 / 1,231.91* *259.17 / 0*

BP'S LANE AVENUE AUTO PARTS, INC.
433 NORTH WALDRAN BLVD.
MEMPHIS
MEMPHIS TN 38105

NPDES

ICIS Fac Interest ID: 3400083529
NPDES ID: TNR056533
Facility UIN: 110059710638
Fac Type Cd:
Fac Type Desc:

Impaired Waters: 303(D) Listed
County Code: TN157
County: SHELBY
Geocode Lat: 35.151686
Geocode Long: -90.023152

ICIS Permits

Activity ID: 3400242970
Version No: 1
Orig Issue Date: 09/09/2009
Issue Date: 09/09/2009
Effective Date: 10/01/2009
Expiration Date: 05/31/2014
Retirement Date: 03/15/2016
Termination Date:
Fac Type Indicator: NON-POTW
Permit Typ Cd: GPC
Prmt Type Desc: General Permit Covered Facility
Permit Name: BP's Lane Avenue Auto Parts, Inc.
Major Minor Status Flag: N
Major Minor Status Desc: Minor Discharger
Total Design Flow No:
Actual Avg Flow No:
Edmr Auth Flag: No
Pretrmt Indicator Cd:
Pretrmt Indicator Desc:

Issuing Agency: TDEC-DWR
Agency Typ Cd: ST6
Agency Typ Desc: State
Prmt Comp Stat Flg: Yes
RNC Tracking Flag: Yes
Master Exter Prmt No: TNR050000
TMDL Interface Flag:
State Wtr Body:
State Wtr Body Nme: Cypress Creek
Prmt Status Code: EXP
Prmt Status Desc: Expired

Activity ID: 3600858805
Issuing Agency: TDEC-DWR

Version No: 2
Orig Issue Date: 09/09/2009
Issue Date: 03/16/2016
Effective Date: 03/16/2016
Expiration Date: 04/14/2020
Retirement Date: 07/19/2020
Termination Date:
Fac Type Indicator: NON-POTW
Permit Typ Cd: GPC
Prmt Type Desc: General Permit Covered Facility
Permit Name: BP's Lane Avenue Auto Parts, Inc.
Major Minor Status Flag: N
Major Minor Status Desc: Minor Discharger
Total Design Flow No:
Actual Avg Flow No:
Edmr Auth Flag: No
Pretrmt Indicator Cd:
Pretrmt Indicator Desc:

Agency Typ Cd: ST6
Agency Typ Desc: State
Prmt Comp Stat Flg:
RNC Tracking Flag: Yes
Master Exter Prmt No: TNR050000
TMDL Interface Flag:
State Wtr Body:
State Wtr Body Nme: Cypress Creek
Prmt Status Code: EXP
Prmt Status Desc: Expired

Activity ID: 3602392644
Version No: 0
Orig Issue Date: 09/09/2009
Issue Date: 07/20/2020
Effective Date: 07/20/2020
Expiration Date: 06/30/2022
Retirement Date:
Termination Date:
Fac Type Indicator: NON-POTW
Permit Typ Cd: GPC
Prmt Type Desc: General Permit Covered Facility
Permit Name: BP's Lane Avenue Auto Parts, Inc.
Major Minor Status Flag: N
Major Minor Status Desc: Minor Discharger
Total Design Flow No:
Actual Avg Flow No:
Edmr Auth Flag: No
Pretrmt Indicator Cd:
Pretrmt Indicator Desc:

Issuing Agency: TDEC - DWR
Agency Typ Cd: ST6
Agency Typ Desc: State
Prmt Comp Stat Flg:
RNC Tracking Flag: Yes
Master Exter Prmt No: TNR050000
TMDL Interface Flag:
State Wtr Body: 08010210
State Wtr Body Nme: Wolf
Prmt Status Code: EFF
Prmt Status Desc: Effective

NPDES Inspections

Registry ID: 110059710638
Activity ID: 3600896729
Actvty Typ Cd: INS
State EPA Flag: S
Comp Mntr Type Desc: Reconnaissance without Sampling
Actvty Outcome Desc:

Comp Mntr Type Cd: ROS
Actual Begin Date: 03/01/2016
Actual End Date: 03/01/2016
Actvty Outcome Cd:

Registry ID: 110059710638
Activity ID: 3600005289
Actvty Typ Cd: INS
State EPA Flag: S
Comp Mntr Type Desc: Evaluation
Actvty Outcome Desc:

Comp Mntr Type Cd: CEI
Actual Begin Date: 03/18/2014
Actual End Date: 03/18/2014
Actvty Outcome Cd:

CWA Informal Enforcement Actions

Registry ID: 110059710638
Agency: State
Activity ID: 3400282515
Actvty Typ Cd: AIF
Activity Typ: Administrative, Informal
Official Flg: Y

Actvty Typ Desc: Administrative - Informal
ENF Type Cd: NOV
ENF Typ Desc: Notice of Violation
Achieved Date: 07/22/2014
ENF Identifier: TN-200102893

QNCR Historic Compliance

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Year Quarter:	20192
E90 Violations in Qtr:	0
Compl. Sched Viol in Qt:	0
Single Event Viol. in Qtr:	0
Permit Sched Viol in Qtr:	0
Historic Noncompl. Cd:	C
HLRNC Short Desc:	COMPLIANT
HLRNC Long Desc:	Not considered in RNC/SNC based on manual review of data by state or EPA region.

Year Quarter:	20182
E90 Violations in Qtr:	0
Compl. Sched Viol in Qt:	0
Single Event Viol. in Qtr:	0
Permit Sched Viol in Qtr:	0
Historic Noncompl. Cd:	C
HLRNC Short Desc:	COMPLIANT
HLRNC Long Desc:	Not considered in RNC/SNC based on manual review of data by state or EPA region.

Year Quarter:	20184
E90 Violations in Qtr:	0
Compl. Sched Viol in Qt:	0
Single Event Viol. in Qtr:	0
Permit Sched Viol in Qtr:	0
Historic Noncompl. Cd:	C
HLRNC Short Desc:	COMPLIANT
HLRNC Long Desc:	Not considered in RNC/SNC based on manual review of data by state or EPA region.

Year Quarter:	20191
E90 Violations in Qtr:	0
Compl. Sched Viol in Qt:	0
Single Event Viol. in Qtr:	0
Permit Sched Viol in Qtr:	0
Historic Noncompl. Cd:	C
HLRNC Short Desc:	COMPLIANT
HLRNC Long Desc:	Not considered in RNC/SNC based on manual review of data by state or EPA region.

Year Quarter:	20183
E90 Violations in Qtr:	0
Compl. Sched Viol in Qt:	0
Single Event Viol. in Qtr:	0
Permit Sched Viol in Qtr:	0
Historic Noncompl. Cd:	C
HLRNC Short Desc:	COMPLIANT
HLRNC Long Desc:	Not considered in RNC/SNC based on manual review of data by state or EPA region.

Year Quarter:	20181
E90 Violations in Qtr:	0
Compl. Sched Viol in Qt:	0
Single Event Viol. in Qtr:	0
Permit Sched Viol in Qtr:	0
Historic Noncompl. Cd:	C
HLRNC Short Desc:	COMPLIANT
HLRNC Long Desc:	Not considered in RNC/SNC based on manual review of data by state or EPA region.

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
5	3 of 3	ENE	0.23 / 1,231.91	259.17 / 0	BP'S LANE AVENUE AUTO PARTS, INC. 433 NORTH WALDRAN BLVD. MEMPHIS TN 38105	ECHO

FRS ID:	3400083528	**Facility Latitude:**	35.151095
Fac EPA Region:	04	**Facility Longitude:**	-90.03412
Facility County:			

Facility Details - Data Download

Compliance Status:	**Federal?:**

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Active/Operating:		Federal Agency Nam:	
SNC?:	No	SIC Codes:	
Qtrs in NC?:		NAICS Codes:	
Formal Action Cnt:	0	EJ Screen 80%:	
Last Formal Action:		Indian/Tribal?:	N
Informal Count:	0	Indian/Spatial?:	No
Total Penalties:	0	Tile Proxmty NPDES:	
Penalty Count:		Tile Proximity NPL:	
Dt of Last Penalty:		Tile Proximity RMP:	
Last Penalty Amt:		Tile Proximty TSDF:	
Inspection Count:	0	Tile O3:	
Dt of Last Inspect:		Tile PM:	
RMP ID(s):		Tile PCT Pre 1960:	
EIS ID(s):		Tile DPM:	
SEMS IDs:		Mapped:	Yes
EPCRA Inspctns 5Yr:		State County FIPS Cd:	
FIFRA Inspctns 5Yr:		County [FRS]:	
NAA Stndr Classfd as Nonattn:			
NAA Stndr Classfd Maintennc:			
Nonattain Pollutants in NAAs:			
Maintenance Pollutants NAAs:			
Within a Nonattaining NAA:			
Within a Maintenance NAA:			
Date of Last Inspection (EPA):			
Dt Last Inspection(State/Local):			
Days since Last Inspection:			
DFR URL:	https://echo.epa.gov/detailed-facility-report?fid=3400083528		

6	1 of 2	ENE	0.23 / 1,234.34	260.03 / 1	BP'S LANE AVENUE AUTO PARTS, INC. 433 NORTH WALDRAN BLVD. MEMPHIS TN 38105	CEA

Registry ID:	110059710638
Primary SIC Cd(s):	5015
Prim NAICS Cd(s):	

Civil Enforcement Case Details

Case No:	TN-200102893
Activity ID:	3400282515

Case Information

Case Name:	BP's Lane Avenue Auto Parts
Case Status Date:	07/22/2014
DOJ Docket No:	
Regional Docket No:	
Lead:	State
Fiscal Year:	
Multimedia Flag:	
State Code:	TN
Region Code:	04
Activity Name:	BP's Lane Avenue Auto Parts
Activity Type Cd:	AIF
Activity Type Desc:	Administrative - Informal
Activity Status Cd:	ACH
Activity Status Desc:	Achieved
Activity Status Date:	07/22/2014
HQ Division:	
Branch:	
Vol Self Disclosure Flag:	
ENF Outcome Cd:	
ENF Outcome Desc:	
ENF Summary Text:	
Total Penalty Assessed Amt:	

Total Cost Recovery Amt:
Total Comp Action Amt:

Laws Sections

Rank Order: 0
Statute Code: CWA
Law Section Code: OTHER
Law Section Desc: Violations not covered elsewhere

Case Facilities

Primary SIC Code: 5015
Primary NAICS Code:
Facility Name: BP'S LANE AVENUE AUTO PARTS, INC.
Location Address: 433 NORTH WALDRAN BLVD.
City: MEMPHIS
State Code: TN
Zip: 38105

Enforcement Type

ENF Type Code: NOV
ENF Type Desc: Notice of Violation

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6 | ***2 of 2*** | ***ENE*** | ***0.23 / 1,234.34*** | ***260.03 / 1*** | ***BP'S LANE AVENUE AUTO PARTS, INC.***
433 NORTH WALDRAN BLVD.
MEMPHIS TN 38105 | ***ECHO***

FRS ID: 110059710638
Fac EPA Region: 04
Facility County: SHELBY
Facility Latitude: 35.15147
Facility Longitude: -90.02256

Facility Details

Major Facility?:		***Air?:***	No
Active/Operating?:	Y	***NPDES?:***	Yes
Compliance Status:	No Violation Identified	***SDWIS?:***	No
Signif Non Compl?:	N	***RCRA?:***	No
Programs with SNC:	0	***TRI?:***	No
Qtrs with NC:	0	***GHG?:***	No
3Yr Compliance Hist:	_____	***SIC Codes:***	5015
Formal Action Count:	0	***NAICS Codes:***	
Last Formal Action:		***FIPS Code:***	47157
Last EPA Formal Act:		***Indian/Tribal?:***	No
Last State Formal Act:		***Federal ?:***	
Informal Count:	0	***Federal Agency:***	
Last Informal Action:	07/22/2014	***Chesapeake Bay?:***	
Last EPA Informal A:		***NAA?:***	No
Last State Informal A:	07/22/2014	***Coordinate Method:***	ADDRESS MATCHING-HOUSE NUMBER
Total Penalties:	0	***Reference Point:***	CENTER OF A FACILITY OR STATION
Penalty Count:		***Accuracy (Meters):***	30
Date of Last Penalty:		***Inspection Count:***	0
Last Penalty Amount:		***Last Inspection:***	03/01/2016
myRTK Universe:	NNN	***Last EPA Inspection:***	
Dschg Impair Water?:	Y	***Last State Inspection:***	03/01/2016
EJ Screen 80%:	Yes	***Days Last Inspection:***	1895

DFR URL: http://echo.epa.gov/detailed-facility-report?fid=110059710638

Clean Water Act (CWA)

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

NPDES ID(s):	TNR056533	**Penalties:**	
Permit Types:	Minor	**Last Penalty Date:**	
Compliance Trcking:	On	**Last Penalty Amt:**	
CWA NAICS:		**Qtrs With NC:**	0
CWA SICS:	5015	**Compliance Status:**	No Violation Identified
Inspection Count:		**SNC ?:**	No
Informal Count:		**3Yr QNCR Codes:**	
Formal Action Count:			
Days since Last Inspection:	1894		
Date of Last Formal Action:			
13Qtrs Compl History:	_____		
13Qtrs Efflnt Exceedances:			

Facility Details - Data Download

Compliance Status:	No Violation Identified	**Federal?:**	
Active/Operating:	Y	**Federal Agency Nam:**	
SNC?:	No	**SIC Codes:**	5015
Qtrs in NC?:	0	**NAICS Codes:**	
Formal Action Cnt:	0	**EJ Screen 80%:**	10
Last Formal Action:		**Indian/Tribal?:**	N
Informal Count:	0	**Indian/Spatial?:**	No
Total Penalties:	0	**Tile Proxmty NPDES:**	78.3
Penalty Count:		**Tile Proximity NPL:**	88.3
Dt of Last Penalty:		**Tile Proximity RMP:**	80
Last Penalty Amt:		**Tile Proximty TSDF:**	84.8
Inspection Count:	0	**Tile O3:**	84.4
Dt of Last Inspect:	03/01/2016	**Tile PM:**	84
RMP ID(s):		**Tile PCT Pre 1960:**	96.6
EIS ID(s):		**Tile DPM:**	89.9
SEMS IDs:		**Mapped:**	Yes
EPCRA Inspctns 5Yr:		**State County FIPS Cd:**	47157
FIFRA Inspctns 5Yr:		**County [FRS]:**	SHELBY COUNTY
NAA Stndr Classfd as Nonattn:			
NAA Stndr Classfd Maintennc:	Carbon Monoxide (1971); 1-Hour Ozone (1979); 8-Hour Ozone (2008)		
Nonattain Pollutants in NAAs:			
Maintenance Pollutants NAAs:	Carbon Monoxide; Ozone		
Within a Nonattaining NAA:			
Within a Maintenance NAA:	Y		
Date of Last Inspection (EPA):			
Dt Last Inspection(State/Local):	03/01/2016		
Days since Last Inspection:	1894		
DFR URL:	https://echo.epa.gov/detailed-facility-report?fid=110059710638		

Clean Water Act - Data Download

NPDES ID(s):	TNR056533	**Formal Action Cnt:**	
Permit Types:	Minor	**Penalties:**	
Inspection Count:		**Compliance Status:**	No Violation Identified
Informal Count:			

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7 **1 of 1** **NNE** **0.23 / 1,236.06** **261.53 / 2** ***Insulation And Refractories Service***
1041 Galloway
Memphis TN 38105 ***UST***

Facility ID:	9790418	**Facilit Red Tagged:**	No
Facility Status:	InActive	**Reason Red Tagged:**	N
Currently in Use:		**Owner ID:**	308246
Perm Out of Use:	2	**Owner Type:**	Private
Temp Out of Servic:		**Latitude (Tdec):**	35.152747999999995
Abandoned:		**Longitude (Tdec):**	-90.0246
Regulated:		**Facility County:**	
Tank Count:	2	**Region:**	
Owner Name:	Insulation And Refractories Svc		
Facility Name:	Insulation And Refractories Service		

Facility Type: Other or Unknown
Fac Name (Comparments): Insulation And Refractories Service
Fac Address (Comparments): 1041 Galloway

Tank Details

Tank ID: 45988
Tank No: 2
Date Tank Installd: 7/13/1982
Emergency Gen:
Tank Mode of Const:
Facility Count: 2
Tank Material: Steel
Owner Name: Insulation And Refractories Svc
Owner Type: Private
Owner Status: InActive

Owner CIU Count:
Owner POU Count: 4
Owner TOU Count:
Owner Tank Count: 4
Date Tank Closed: 3/26/1988
How Tank Closed:

Compartment Details

Compart ID: 46702
Compart Letter: A
Compt Capacity: 2000
Compart Status: Permanently Out of Use
Compt Substance: Not Listed
Date Last Used: 3/26/1988
Compart Regulated:
Overfill Device Install: Yes
Spill Device Install: Yes
Pipe Material: Steel
Catasatrophic L L Detec: None
Periodic Line Leak Detection: Pipe Leak Detection Not Listed
Comprt Rel Detec: Tank LD Not Listed
Compart Overall Stat: Inactive
Owner Address1: 1041 Galloway
Owner Address2:
Owner City: Memphis
Owner State: TN
Owner Zip: 38105

Small Delivery:
Piping Type:
Flex Piping Type:
Overfill Type:
Pipe Construction:
Pipe Install Dt:
Date Comprt Closed:

Tank Details

Tank ID: 45987
Tank No: 1
Date Tank Installd: 7/13/1982
Emergency Gen:
Tank Mode of Const:
Facility Count: 2
Tank Material: Steel
Owner Name: Insulation And Refractories Svc
Owner Type: Private
Owner Status: InActive

Owner CIU Count:
Owner POU Count: 4
Owner TOU Count:
Owner Tank Count: 4
Date Tank Closed: 3/26/1988
How Tank Closed:

Compartment Details

Compart ID: 46701
Compart Letter: A
Compt Capacity: 2000
Compart Status: Permanently Out of Use
Compt Substance: Not Listed
Date Last Used: 3/26/1988
Compart Regulated:
Overfill Device Install: Yes
Spill Device Install: Yes
Pipe Material: Steel

Small Delivery:
Piping Type:
Flex Piping Type:
Overfill Type:
Pipe Construction:
Pipe Install Dt:
Date Comprt Closed:

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Catasatrophic L L Detec:	None
Periodic Line Leak Detection:	Pipe Leak Detection Not Listed
Comprt Rel Detec:	Tank LD Not Listed
Compart Overall Stat:	Inactive
Owner Address1:	1041 Galloway
Owner Address2:	
Owner City:	Memphis
Owner State:	TN
Owner Zip:	38105

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
8	1 of 1	SSW	0.24 / 1,254.60	245.05 / -14	Hardy's Service Station 955 Poplar Memphis TN 38105	UST

Facility ID:	9790387	**Facilit Red Tagged:**	No
Facility Status:	InActive	**Reason Red Tagged:**	N
Currently in Use:		**Owner ID:**	308164
Perm Out of Use:	4	**Owner Type:**	Private
Temp Out of Servic:		**Latitude (Tdec):**	35.145086
Abandoned:		**Longitude (Tdec):**	-90.028695
Regulated:		**Facility County:**	
Tank Count:	4	**Region:**	
Owner Name:	Dr Justin H Adler		
Facility Name:	Hardy's Service Station		
Facility Type:	Gas Station or Truck Stop		
Fac Name (Comparments):	Hardy's Service Station		
Fac Address (Comparments):	955 Poplar		

Tank Details

Tank ID:	45639	**Owner CIU Count:**	
Tank No:	4	**Owner POU Count:**	4
Date Tank Installd:	5/7/1969	**Owner TOU Count:**	
Emergency Gen:		**Owner Tank Count:**	4
Tank Mode of Const:		**Date Tank Closed:**	7/1/1988
Facility Count:	1	**How Tank Closed:**	Removed from Ground
Tank Material:	Steel		
Owner Name:	Dr Justin H Adler		
Owner Type:	Private		
Owner Status:	InActive		

Compartment Details

Compart ID:	46353	**Small Delivery:**	
Compart Letter:	A	**Piping Type:**	
Compt Capacity:	500	**Flex Piping Type:**	
Compart Status:	Permanently Out of Use	**Overfill Type:**	
Compt Substance:	Waste or Used Oil	**Pipe Construction:**	
Date Last Used:	7/1/1988	**Pipe Install Dt:**	
Compart Regulated:		**Date Comprt Closed:**	
Overfill Device Install:	Yes		
Spill Device Install:	Yes		
Pipe Material:	Steel		
Catasatrophic L L Detec:	None		
Periodic Line Leak Detection:	Pipe Leak Detection Not Listed		
Comprt Rel Detec:	Tank LD Not Listed		
Compart Overall Stat:	Inactive		
Owner Address1:	c/o 1203 Poplar		
Owner Address2:			
Owner City:	Memphis		
Owner State:	TN		
Owner Zip:	38103		

Tank Details

Tank ID:	45637	**Owner CIU Count:**	
Tank No:	2	**Owner POU Count:**	4
Date Tank Installd:	5/7/1969	**Owner TOU Count:**	
Emergency Gen:		**Owner Tank Count:**	4
Tank Mode of Const:		**Date Tank Closed:**	7/1/1988
Facility Count:	1	**How Tank Closed:**	Removed from Ground
Tank Material:	Steel		
Owner Name:	Dr Justin H Adler		
Owner Type:	Private		
Owner Status:	InActive		

Compartment Details

Compart ID:	46351	**Small Delivery:**	
Compart Letter:	A	**Piping Type:**	
Compt Capacity:	10000	**Flex Piping Type:**	
Compart Status:	Permanently Out of Use	**Overfill Type:**	
Compt Substance:	Gasoline	**Pipe Construction:**	
Date Last Used:	7/1/1988	**Pipe Install Dt:**	
Compart Regulated:		**Date Comprt Closed:**	
Overfill Device Install:	Yes		
Spill Device Install:	Yes		
Pipe Material:	Steel		
Catasatrophic L L Detec:	None		
Periodic Line Leak Detection:	Pipe Leak Detection Not Listed		
Comprt Rel Detec:	Tank LD Not Listed		
Compart Overall Stat:	Inactive		
Owner Address1:	c/o 1203 Poplar		
Owner Address2:			
Owner City:	Memphis		
Owner State:	TN		
Owner Zip:	38103		

Tank Details

Tank ID:	45636	**Owner CIU Count:**	
Tank No:	1	**Owner POU Count:**	4
Date Tank Installd:	5/7/1969	**Owner TOU Count:**	
Emergency Gen:		**Owner Tank Count:**	4
Tank Mode of Const:		**Date Tank Closed:**	7/1/1988
Facility Count:	1	**How Tank Closed:**	Removed from Ground
Tank Material:	Steel		
Owner Name:	Dr Justin H Adler		
Owner Type:	Private		
Owner Status:	InActive		

Compartment Details

Compart ID:	46350	**Small Delivery:**	
Compart Letter:	A	**Piping Type:**	
Compt Capacity:	10000	**Flex Piping Type:**	
Compart Status:	Permanently Out of Use	**Overfill Type:**	
Compt Substance:	Gasoline	**Pipe Construction:**	
Date Last Used:	7/1/1988	**Pipe Install Dt:**	
Compart Regulated:		**Date Comprt Closed:**	
Overfill Device Install:	Yes		
Spill Device Install:	Yes		
Pipe Material:	Steel		
Catasatrophic L L Detec:	None		
Periodic Line Leak Detection:	Pipe Leak Detection Not Listed		
Comprt Rel Detec:	Tank LD Not Listed		
Compart Overall Stat:	Inactive		
Owner Address1:	c/o 1203 Poplar		
Owner Address2:			
Owner City:	Memphis		

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Owner State: TN
Owner Zip: 38103

Tank Details

Tank ID: 45638
Tank No: 3
Date Tank Installd: 5/7/1969
Emergency Gen:
Tank Mode of Const:
Facility Count: 1
Tank Material: Steel
Owner Name: Dr Justin H Adler
Owner Type: Private
Owner Status: InActive

Owner CIU Count:
Owner POU Count: 4
Owner TOU Count:
Owner Tank Count: 4
Date Tank Closed: 7/1/1988
How Tank Closed: Removed from Ground

Compartment Details

Compart ID: 46352
Compart Letter: A
Compt Capacity: 6000
Compart Status: Permanently Out of Use
Compt Substance: Gasoline
Date Last Used: 7/1/1988
Compart Regulated:
Overfill Device Install: Yes
Spill Device Install: Yes
Pipe Material: Steel
Catasatrophic L L Detec: None
Periodic Line Leak Detection: Pipe Leak Detection Not Listed
Comprt Rel Detec: Tank LD Not Listed
Compart Overall Stat: Inactive
Owner Address1: c/o 1203 Poplar
Owner Address2:
Owner City: Memphis
Owner State: TN
Owner Zip: 38103

Small Delivery:
Piping Type:
Flex Piping Type:
Overfill Type:
Pipe Construction:
Pipe Install Dt:
Date Comprt Closed:

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
9	1 of 1	NE	0.24 / 1,266.43	257.02 / -2	Insulation And Refractories Services 1041 Galloway Avenue Memphis TN 38105	UST

Facility ID: 9790417
Facility Status: InActive
Currently in Use:
Perm Out of Use: 2
Temp Out of Servic:
Abandoned:
Regulated:
Tank Count: 2
Owner Name: Insulation And Refractories Svc
Facility Name: Insulation And Refractories Services
Facility Type: Other or Unknown
Fac Name (Comparments): Insulation And Refractories Services
Fac Address (Comparments): 1041 Galloway Avenue

Facilit Red Tagged: No
Reason Red Tagged: N
Owner ID: 308246
Owner Type: Private
Latitude (Tdec): 35.152756
Longitude (Tdec): -90.02458899999999
Facility County:
Region:

Tank Details

Tank ID: 45985
Tank No: 1
Date Tank Installd: 1/1/1900
Emergency Gen:
Tank Mode of Const:
Facility Count: 2

Owner CIU Count:
Owner POU Count: 4
Owner TOU Count:
Owner Tank Count: 4
Date Tank Closed:
How Tank Closed: unknown

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Tank Material: Steel
Owner Name: Insulation And Refractories Svc
Owner Type: Private
Owner Status: InActive

Compartment Details

Compart ID: 46699
Compart Letter: A
Compt Capacity: 999999
Compart Status: Permanently Out of Use
Compt Substance: Not Listed
Date Last Used: 12/15/1987
Compart Regulated:
Overfill Device Install: Yes
Spill Device Install: Yes
Pipe Material: Steel
Catasatrophic L L Detec: None
Periodic Line Leak Detection: Pipe Leak Detection Not Listed
Comprt Rel Detec: Tank LD Not Listed
Compart Overall Stat: Inactive
Owner Address1: 1041 Galloway
Owner Address2:
Owner City: Memphis
Owner State: TN
Owner Zip: 38105

Small Delivery:
Piping Type:
Flex Piping Type:
Overfill Type:
Pipe Construction:
Pipe Install Dt:
Date Comprt Closed:

Tank Details

Tank ID: 45986
Tank No: 2
Date Tank Installd: 1/1/1900
Emergency Gen:
Tank Mode of Const:
Facility Count: 2
Tank Material: Steel
Owner Name: Insulation And Refractories Svc
Owner Type: Private
Owner Status: InActive

Owner CIU Count:
Owner POU Count: 4
Owner TOU Count:
Owner Tank Count: 4
Date Tank Closed:
How Tank Closed: unknown

Compartment Details

Compart ID: 46700
Compart Letter: A
Compt Capacity: 999999
Compart Status: Permanently Out of Use
Compt Substance: Not Listed
Date Last Used: 12/15/1987
Compart Regulated:
Overfill Device Install: Yes
Spill Device Install: Yes
Pipe Material: Steel
Catasatrophic L L Detec: None
Periodic Line Leak Detection: Pipe Leak Detection Not Listed
Comprt Rel Detec: Tank LD Not Listed
Compart Overall Stat: Inactive
Owner Address1: 1041 Galloway
Owner Address2:
Owner City: Memphis
Owner State: TN
Owner Zip: 38105

Small Delivery:
Piping Type:
Flex Piping Type:
Overfill Type:
Pipe Construction:
Pipe Install Dt:
Date Comprt Closed:

10	1 of 1	NE	0.24 / 1,291.61	257.21 / -2	MITCHELL & SON INC 451 N WALDRAN	RCRA NON GEN

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
					MEMPHIS TN 38105	

EPA Handler ID: TND000005884
Gen Status Universe: No Report
Contact Name: MITCHELL & SON
Contact Address: 451 N WALDRAN , , MEMPHIS , TN, 38105 , US
Contact Phone No and Ext: 615-555-1212
Contact Email:
Contact Country: US
County Name: SHELBY
EPA Region: 04
Land Type:
Receive Date: 19801119
Location Latitude:
Location Longitude:

Violation/Evaluation Summary

Note: NO RECORDS: As of Jun 2022, there are no Compliance Monitoring and Enforcement (violation) records associated with this facility (EPA ID).

Handler Summary

Importer Activity: No
Mixed Waste Generator: No
Transporter Activity: No
Transfer Facility: No
Onsite Burner Exemption: No
Furnace Exemption: No
Underground Injection Activity: No
Commercial TSD: No
Used Oil Transporter: No
Used Oil Transfer Facility: No
Used Oil Processor: No
Used Oil Refiner: No
Used Oil Burner: No
Used Oil Market Burner: No
Used Oil Spec Marketer: No

Hazardous Waste Handler Details

Sequence No: 1
Receive Date: 19801119
Handler Name: MITCHELL & SON INC
Source Type: Notification
Federal Waste Generator Code: N
Generator Code Description: Not a Generator, Verified

11	1 of 1	ENE	0.25 / 1,318.01	262.00 / 3	MITCHELL & SON INC 451 N WALDRAN MEMPHIS TN 38105	ECHO

FRS ID: 110004954568
Fac EPA Region: 04
Facility County: SHELBY
Facility Latitude: 35.15201
Facility Longitude: -90.02249

Facility Details

Major Facility?:
Active/Operating?:
Compliance Status: No Violation Identified
Signif Non Compl?: N
Programs with SNC: 0
Air?: No
NPDES?: No
SDWIS?: No
RCRA?: Yes
TRI?: No

Qtrs with NC:	0	***GHG?:***	No
3Yr Compliance Hist:	_____	***SIC Codes:***	
Formal Action Count:	0	***NAICS Codes:***	333319 81131
Last Formal Action:		***FIPS Code:***	47157
Last EPA Formal Act:		***Indian/Tribal?:***	No
Last State Formal Act:		***Federal ?:***	
Informal Count:	0	***Federal Agency:***	
Last Informal Action:		***Chesapeake Bay?:***	
Last EPA Informal A:		***NAA?:***	No
Last State Informal A:		***Coordinate Method:***	ADDRESS MATCHING-HOUSE NUMBER
Total Penalties:	0	***Reference Point:***	CENTER OF A FACILITY OR STATION
Penalty Count:		***Accuracy (Meters):***	30
Date of Last Penalty:		***Inspection Count:***	0
Last Penalty Amount:		***Last Inspection:***	
myRTK Universe:	NNN	***Last EPA Inspection:***	
Dschg Impair Water?:		***Last State Inspection:***	
EJ Screen 80%:	Yes	***Days Last Inspection:***	
DFR URL:	http://echo.epa.gov/detailed-facility-report?fid=110004954568		

Resource Conservation and Recovery Act (RCRA)

RCRA ID(s):	TND000005884	***Penalties:***	
Permit Types:	Other	***Last Penalty Date:***	
RCRA NAICS:	81131 333319	***Last Penalty Amt:***	
Inspection Count:		***Qtrs with NC:***	0
Informal Count:		***Compliance Status:***	No Violation Identified
Formal Action Cnt:		***SNC ?:***	No
Days since Last Evaluation:			
Date of Last Formal Action:			
3Yr Compl Qtrs History:	_____		

Facility Details - Data Download

Compliance Status:	No Violation Identified	***Federal?:***	
Active/Operating:		***Federal Agency Nam:***	
SNC?:	No	***SIC Codes:***	
Qtrs in NC?:	0	***NAICS Codes:***	333319 81131
Formal Action Cnt:	0	***EJ Screen 80%:***	10
Last Formal Action:		***Indian/Tribal?:***	N
Informal Count:	0	***Indian/Spatial?:***	No
Total Penalties:	0	***Tile Proxmty NPDES:***	78.3
Penalty Count:		***Tile Proximity NPL:***	88.3
Dt of Last Penalty:		***Tile Proximity RMP:***	80
Last Penalty Amt:		***Tile Proximty TSDF:***	84.8
Inspection Count:	0	***Tile O3:***	84.4
Dt of Last Inspect:		***Tile PM:***	84
RMP ID(s):		***Tile PCT Pre 1960:***	96.6
EIS ID(s):		***Tile DPM:***	89.9
SEMS IDs:		***Mapped:***	Yes
EPCRA Inspctns 5Yr:		***State County FIPS Cd:***	47157
FIFRA Inspctns 5Yr:		***County [FRS]:***	SHELBY COUNTY
NAA Stndr Classfd as Nonattn:			
NAA Stndr Classfd Maintennc:	Carbon Monoxide (1971); 1-Hour Ozone (1979); 8-Hour Ozone (2008)		
Nonattain Pollutants in NAAs:			
Maintenance Pollutants NAAs:	Carbon Monoxide; Ozone		
Within a Nonattaining NAA:			
Within a Maintenance NAA:	Y		
Date of Last Inspection (EPA):			
Dt Last Inspection(State/Local):			
Days since Last Inspection:			
DFR URL:	https://echo.epa.gov/detailed-facility-report?fid=110004954568		

Resource Conservation and Recovery Act (RCRA) - Data Download

RCRA ID(s):	TND000005884	***Informal Count:***	

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Permit Type(s): Other
Inspection Count:
Compliance Status: No Violation Identified
Formal Action Cnt:
Penalties:

---

12 | 1 of 1 | NE | 0.25 / 1,334.17 | 253.32 / -6 | DIXIE MANUFACTURING COMPANY
1071 GALLOWAY
MEMPHIS TN 38105 | ECHO

FRS ID: 110011792300
Fac EPA Region: 04
Facility County: SHELBY
Facility Latitude: 35.15275
Facility Longitude: -90.02371

Facility Details

Major Facility?:
Active/Operating?:
Compliance Status: No Violation Identified
Signif Non Compl?: N
Programs with SNC: 0
Qtrs with NC: 0
3Yr Compliance Hist: _____
Formal Action Count: 0
Last Formal Action:
Last EPA Formal Act:
Last State Formal Act:
Informal Count: 0
Last Informal Action:
Last EPA Informal A:
Last State Informal A:
Total Penalties: 0
Penalty Count:
Date of Last Penalty:
Last Penalty Amount:
myRTK Universe: NNN
Dschg Impair Water?:
EJ Screen 80%: Yes
DFR URL: http://echo.epa.gov/detailed-facility-report?fid=110011792300
Air?: No
NPDES?: No
SDWIS?: No
RCRA?: Yes
TRI?: No
GHG?: No
SIC Codes:
NAICS Codes: 325612 42185
FIPS Code: 47157
Indian/Tribal?: No
Federal ?:
Federal Agency:
Chesapeake Bay?:
NAA?: No
Coordinate Method: ADDRESS MATCHING-HOUSE NUMBER
Reference Point: CENTER OF A FACILITY OR STATION
Accuracy (Meters): 30
Inspection Count: 0
Last Inspection:
Last EPA Inspection:
Last State Inspection:
Days Last Inspection:

Resource Conservation and Recovery Act (RCRA)

RCRA ID(s): TND042113985
Permit Types: Other
RCRA NAICS: 42185 325612
Inspection Count:
Informal Count:
Formal Action Cnt:
Days since Last Evaluation:
Date of Last Formal Action:
3Yr Compl Qtrs History: _____
Penalties:
Last Penalty Date:
Last Penalty Amt:
Qtrs with NC: 0
Compliance Status: No Violation Identified
SNC ?: No

Facility Details - Data Download

Compliance Status: No Violation Identified
Active/Operating:
SNC?: No
Qtrs in NC?: 0
Formal Action Cnt: 0
Last Formal Action:
Informal Count: 0
Total Penalties: 0
Penalty Count:
Dt of Last Penalty:
Last Penalty Amt:
Inspection Count: 0
Federal?:
Federal Agency Nam:
SIC Codes:
NAICS Codes: 325612 42185
EJ Screen 80%: 10
Indian/Tribal?: N
Indian/Spatial?: No
Tile Proxmty NPDES: 78.3
Tile Proximity NPL: 88.3
Tile Proximity RMP: 80
Tile Proximty TSDF: 84.8
Tile O3: 84.4

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Dt of Last Inspect:		**Tile PM:**	84
RMP ID(s):		**Tile PCT Pre 1960:**	96.6
EIS ID(s):		**Tile DPM:**	89.9
SEMS IDs:		**Mapped:**	Yes
EPCRA Inspctns 5Yr:		**State County FIPS Cd:**	47157
FIFRA Inspctns 5Yr:		**County [FRS]:**	SHELBY COUNTY
NAA Stndr Classfd as Nonattn:			
NAA Stndr Classfd Maintennc:	Carbon Monoxide (1971); 1-Hour Ozone (1979); 8-Hour Ozone (2008)		
Nonattain Pollutants in NAAs:			
Maintenance Pollutants NAAs:	Carbon Monoxide; Ozone		
Within a Nonattaining NAA:			
Within a Maintenance NAA:	Y		
Date of Last Inspection (EPA):			
Dt Last Inspection(State/Local):			
Days since Last Inspection:			
DFR URL:	https://echo.epa.gov/detailed-facility-report?fid=110011792300		

Resource Conservation and Recovery Act (RCRA) - Data Download

RCRA ID(s):	TND042113985	**Informal Count:**	
Permit Type(s):	Other	**Formal Action Cnt:**	
Inspection Count:		**Penalties:**	
Compliance Status:	No Violation Identified		

---

13 | ***1 of 2*** | ***SSW*** | ***0.26 / 1,353.62*** | ***247.33 / -12*** | ***CHURCH'S FRIED CHICKEN***
925 POPLAR AVENUE
MEMPHIS TN | ***SRP***

DOR Site ID:	SRS790379	**DOR EFO:**	MEMPHIS
Status:	CLOSED	**Program:**	VOLUNTARY
EPA Facility ID:		**County:**	SHELBY
EPA Registry ID:		**Latitude:**	35.144968
Delisted:		**Longitude:**	-90.029459
Promulgated Date:		**Acres:**	

---

13 | ***2 of 2*** | ***SSW*** | ***0.26 / 1,353.62*** | ***247.33 / -12*** | ***CHURCH'S FRIED CHICKEN***
925 POPLAR AVENUE
MEMPHIS TN | ***VCP***

Site ID:	SRS790379	**Program:**	VOLUNTARY
EPA Facility ID:		**EFO:**	MEMPHIS
EPA Registry ID:		**County:**	SHELBY
Status:	CLOSED	**Latitude:**	35.144968
Acres:		**Longitude:**	-90.029459

---

14 | ***1 of 3*** | ***SW*** | ***0.26 / 1,356.61*** | ***247.63 / -12*** | ***DIXIE HOMES***
916 POPLAR AVENUE
MEMPHIS TN | ***VCP***

Site ID:	79846	**Program:**	VOLUNTARY
EPA Facility ID:		**EFO:**	MEMPHIS
EPA Registry ID:		**County:**	SHELBY
Status:	OPEN	**Latitude:**	35.147655
Acres:	8.45	**Longitude:**	-90.027905

---

14 | ***2 of 3*** | ***SW*** | ***0.26 / 1,356.61*** | ***247.63 / -12*** | ***DIXIE HOMES***
916 POPLAR AVENUE
MEMPHIS TN | ***INST***

DOR Site ID:	79846	**County:**	SHELBY
Site Status:	OPEN	**Site Latitude:**	35.147655

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Total Site Acreage: 8.45
Tdec Field Office: MEMPHIS
Site Longitude: -90.027905

Detail(s)

Date Control Recorded: NOV-03-2009
Date Control Removed:
Control Type: INSTITUTIONAL
Control Description: LAND USE RESTRICTION
Control Latitude: 35.147
Control Longitude: -90.028
Control Acreage: 2.11
Deed Book: 08115216
Map: 051017
Page No:
Parcel: 2-7, 12

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14 | **3 of 3** | **SW** | **0.26 / 1,356.61** | **247.63 / -12** | **MEMPHIS HOUSING AUTHORITY-DIXIE HOME DEV**
916 POPLAR AVE
MEMPHIS TN 38105 | **ECHO**

FRS ID: 110004951589
Fac EPA Region: 04
Facility County: SHELBY
Facility Latitude: 35.14527
Facility Longitude: -90.029807

Facility Details

Major Facility?:
Active/Operating?:
Compliance Status: No Violation Identified
Signif Non Compl?: N
Programs with SNC: 0
Qtrs with NC: 0
3Yr Compliance Hist: _____
Formal Action Count: 0
Last Formal Action:
Last EPA Formal Act:
Last State Formal Act:
Informal Count: 0
Last Informal Action:
Last EPA Informal A:
Last State Informal A:
Total Penalties: 0
Penalty Count:
Date of Last Penalty:
Last Penalty Amount:
myRTK Universe: NNN
Dschg Impair Water?:
EJ Screen 80%: Yes
Air?: No
NPDES?: No
SDWIS?: No
RCRA?: Yes
TRI?: No
GHG?: No
SIC Codes:
NAICS Codes: 23521
FIPS Code: 47157
Indian/Tribal?: No
Federal ?:
Federal Agency:
Chesapeake Bay?:
NAA?: No
Coordinate Method: ADDRESS MATCHING-HOUSE NUMBER
Reference Point: ENTRANCE POINT OF A FACILITY OR STATION
Accuracy (Meters): 50
Inspection Count: 0
Last Inspection: 12/14/1994
Last EPA Inspection:
Last State Inspection: 12/14/1994
Days Last Inspection: 9643
DFR URL: http://echo.epa.gov/detailed-facility-report?fid=110004951589

Resource Conservation and Recovery Act (RCRA)

RCRA ID(s): TN0000033639
Permit Types: Other
RCRA NAICS: 23521
Inspection Count:
Informal Count:
Formal Action Cnt:
Days since Last Evaluation: 9642
Date of Last Formal Action:
3Yr Compl Qtrs History: _____
Penalties:
Last Penalty Date:
Last Penalty Amt:
Qtrs with NC: 0
Compliance Status: No Violation Identified
SNC ?: No

Facility Details - Data Download

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Compliance Status: No Violation Identified
Active/Operating:
SNC?: No
Qtrs in NC?: 0
Formal Action Cnt: 0
Last Formal Action:
Informal Count: 0
Total Penalties: 0
Penalty Count:
Dt of Last Penalty:
Last Penalty Amt:
Inspection Count: 0
Dt of Last Inspect: 12/14/1994
RMP ID(s):
EIS ID(s):
SEMS IDs:
EPCRA Inspctns 5Yr:
FIFRA Inspctns 5Yr:
Federal?:
Federal Agency Nam:
SIC Codes:
NAICS Codes: 23521
EJ Screen 80%: 7
Indian/Tribal?: N
Indian/Spatial?: No
Tile Proxmty NPDES: 73.4
Tile Proximity NPL: 87
Tile Proximity RMP: 75.6
Tile Proximty TSDF: 89.5
Tile O3: 78.9
Tile PM: 78.6
Tile PCT Pre 1960: 86.7
Tile DPM: 86.5
Mapped: Yes
State County FIPS Cd: 47157
County [FRS]: SHELBY COUNTY
NAA Stndr Classfd as Nonattn:
NAA Stndr Classfd Maintennc: Carbon Monoxide (1971); 1-Hour Ozone (1979); 8-Hour Ozone (2008)
Nonattain Pollutants in NAAs:
Maintenance Pollutants NAAs: Carbon Monoxide; Ozone
Within a Nonattaining NAA:
Within a Maintenance NAA: Y
Date of Last Inspection (EPA):
Dt Last Inspection(State/Local): 12/14/1994
Days since Last Inspection: 9642
DFR URL: https://echo.epa.gov/detailed-facility-report?fid=110004951589

Resource Conservation and Recovery Act (RCRA) - Data Download

RCRA ID(s): TN0000033639
Permit Type(s): Other
Inspection Count:
Compliance Status: No Violation Identified
Informal Count:
Formal Action Cnt:
Penalties:

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
15	1 of 3	WNW	0.26 / 1,356.74	246.91 / -13	Exxon/Mobile Bulk Terminal 432 North Dunlap Memphis TN	LUST

Facility ID: 9799001
Site No: 1
Current Status: 8 Case Closed
Cause: 7 Unknown
CAC Company:
Owner Name: ExxonMobil Refining and Supply Co.
Case Description:
Product Released:
Discovery Date: NOV-06-1990
How Discovered: 8 Other
County: Shelby

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
15	2 of 3	WNW	0.26 / 1,356.74	246.91 / -13	MEMPHIS BULK PLANT 432 NORTH DUNLAP ST. MEMPHIS TN	SRP

DOR Site ID: SRS790769
Status: CLOSED
EPA Facility ID:
EPA Registry ID:
Delisted:
Promulgated Date:
DOR EFO: MEMPHIS
Program: VOLUNTARY
County: SHELBY
Latitude: 35.152193
Longitude: -90.0314
Acres:

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
15	3 of 3	WNW	0.26 / 1,356.74	246.91 / -13	MEMPHIS BULK PLANT 432 NORTH DUNLAP ST. MEMPHIS TN	VCP

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Site ID:	SRS790769	**Program:**	VOLUNTARY
EPA Facility ID:		**EFO:**	MEMPHIS
EPA Registry ID:		**County:**	SHELBY
Status:	CLOSED	**Latitude:**	35.152193
Acres:		**Longitude:**	-90.0314

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16 | **1 of 3** | **NW** | **0.27 / 1,401.57** | **246.68 / -13** | **SOUTHERN STEEL**
431 DUNLAP
MEMPHIS TN | **INST**

DOR Site ID:	SRS791072	**County:**	SHELBY
Site Status:	CLOSED	**Site Latitude:**	35.152251
Total Site Acreage:	4.08	**Site Longitude:**	-90.031523
Tdec Field Office:	MEMPHIS		

Detail(s)

Date Control Recorded:	APR-02-2009	**Control Acreage:**	4.08
Date Control Removed:		**Deed Book:**	051009 00001C
Control Type:	INSTITUTIONAL	**Map:**	
Control Description:	LAND USE RESTRICTION	**Page No:**	
Control Latitude:	35.153	**Parcel:**	
Control Longitude:	-90.033		

---

16 | **2 of 3** | **NW** | **0.27 / 1,401.57** | **246.68 / -13** | **SOUTHERN STEEL**
431 DUNLAP
MEMPHIS TN | **SRP**

DOR Site ID:	SRS791072	**DOR EFO:**	MEMPHIS
Status:	CLOSED	**Program:**	VOLUNTARY
EPA Facility ID:		**County:**	SHELBY
EPA Registry ID:		**Latitude:**	35.152251
Delisted:		**Longitude:**	-90.031523
Promulgated Date:		**Acres:**	4.08

---

16 | **3 of 3** | **NW** | **0.27 / 1,401.57** | **246.68 / -13** | **SOUTHERN STEEL**
431 DUNLAP
MEMPHIS TN | **VCP**

Site ID:	SRS791072	**Program:**	VOLUNTARY
EPA Facility ID:		**EFO:**	MEMPHIS
EPA Registry ID:		**County:**	SHELBY
Status:	CLOSED	**Latitude:**	35.152251
Acres:	4.08	**Longitude:**	-90.031523

---

17 | **1 of 1** | **SSE** | **0.28 / 1,503.03** | **266.71 / 7** | **POPLAR SQUARE APARTMENTS**
1070 POPLAR AVE
MEMPHIS TN 38104 | **ECHO**

FRS ID:	110033195370	**Facility Latitude:**	35.14477
Fac EPA Region:	04	**Facility Longitude:**	-90.02477
Facility County:	SHELBY		

Facility Details

Major Facility?:		**Air?:**	No
Active/Operating?:		**NPDES?:**	No

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Compliance Status:		**SDWIS?:**	No
Signif Non Compl?:	N	**RCRA?:**	No
Programs with SNC:	0	**TRI?:**	No
Qtrs with NC:		**GHG?:**	No
3Yr Compliance Hist:		**SIC Codes:**	
Formal Action Count:	0	**NAICS Codes:**	
Last Formal Action:	03/19/2009	**FIPS Code:**	47157
Last EPA Formal Act:	03/19/2009	**Indian/Tribal?:**	No
Last State Formal Act:		**Federal ?:**	
Informal Count:	0	**Federal Agency:**	
Last Informal Action:		**Chesapeake Bay?:**	
Last EPA Informal A:		**NAA?:**	No
Last State Informal A:		**Coordinate Method:**	ADDRESS MATCHING-HOUSE NUMBER
Total Penalties:	0	**Reference Point:**	CENTER OF A FACILITY OR STATION
Penalty Count:		**Accuracy (Meters):**	30
Date of Last Penalty:	03/19/2009	**Inspection Count:**	0
Last Penalty Amount:	7700	**Last Inspection:**	
myRTK Universe:	NNN	**Last EPA Inspection:**	
Dschg Impair Water?:		**Last State Inspection:**	
EJ Screen 80%:	Yes	**Days Last Inspection:**	
DFR URL:	http://echo.epa.gov/detailed-facility-report?fid=110033195370		

Federal Enforcement and Compliance (FEC)

FEC Case IDS:	04-2009-2622
No. of Cases:	
Last Case Date:	03/19/2009
Total Penalties:	

Facility Details - Data Download

Compliance Status:		**Federal?:**	
Active/Operating:		**Federal Agency Nam:**	
SNC?:	No	**SIC Codes:**	
Qtrs in NC?:		**NAICS Codes:**	
Formal Action Cnt:	0	**EJ Screen 80%:**	7
Last Formal Action:	03/19/2009	**Indian/Tribal?:**	N
Informal Count:	0	**Indian/Spatial?:**	No
Total Penalties:	0	**Tile Proxmty NPDES:**	73.4
Penalty Count:		**Tile Proximity NPL:**	87
Dt of Last Penalty:	03/19/2009	**Tile Proximity RMP:**	75.6
Last Penalty Amt:	7700	**Tile Proximty TSDF:**	89.5
Inspection Count:	0	**Tile O3:**	78.9
Dt of Last Inspect:		**Tile PM:**	78.6
RMP ID(s):		**Tile PCT Pre 1960:**	86.7
EIS ID(s):		**Tile DPM:**	86.5
SEMS IDs:		**Mapped:**	Yes
EPCRA Inspctns 5Yr:		**State County FIPS Cd:**	47157
FIFRA Inspctns 5Yr:		**County [FRS]:**	SHELBY COUNTY
NAA Stndr Classfd as Nonattn:			
NAA Stndr Classfd Maintennc:	Carbon Monoxide (1971); 1-Hour Ozone (1979); 8-Hour Ozone (2008)		
Nonattain Pollutants in NAAs:			
Maintenance Pollutants NAAs:	Carbon Monoxide; Ozone		
Within a Nonattaining NAA:			
Within a Maintenance NAA:	Y		
Date of Last Inspection (EPA):			
Dt Last Inspection(State/Local):			
Days since Last Inspection:			
DFR URL:	https://echo.epa.gov/detailed-facility-report?fid=110033195370		

18	***1 of 1***	***NE***	***0.29 / 1,523.86***	***251.21 / -8***	***COX PRINTING CO 467 N WALDRAN BLVD MEMPHIS TN 38105***	***ECHO***

FRS ID:	110004999217	**Facility Latitude:**	35.15264
Fac EPA Region:	04	**Facility Longitude:**	-90.02241

Facility County: SHELBY

Facility Details

Major Facility?:		**Air?:**	No
Active/Operating?:		**NPDES?:**	No
Compliance Status:	No Violation Identified	**SDWIS?:**	No
Signif Non Compl?:	N	**RCRA?:**	Yes
Programs with SNC:	0	**TRI?:**	No
Qtrs with NC:	0	**GHG?:**	No
3Yr Compliance Hist:	_____	**SIC Codes:**	
Formal Action Count:	0	**NAICS Codes:**	
Last Formal Action:		**FIPS Code:**	47157
Last EPA Formal Act:		**Indian/Tribal?:**	No
Last State Formal Act:		**Federal ?:**	
Informal Count:	0	**Federal Agency:**	
Last Informal Action:		**Chesapeake Bay?:**	
Last EPA Informal A:		**NAA?:**	No
Last State Informal A:		**Coordinate Method:**	ADDRESS MATCHING-HOUSE NUMBER
Total Penalties:	0	**Reference Point:**	ENTRANCE POINT OF A FACILITY OR STATION
Penalty Count:		**Accuracy (Meters):**	50
Date of Last Penalty:		**Inspection Count:**	0
Last Penalty Amount:		**Last Inspection:**	
myRTK Universe:	NNN	**Last EPA Inspection:**	
Dschg Impair Water?:		**Last State Inspection:**	
EJ Screen 80%:	Yes	**Days Last Inspection:**	

DFR URL: http://echo.epa.gov/detailed-facility-report?fid=110004999217

Resource Conservation and Recovery Act (RCRA)

RCRA ID(s):	TND990649360	**Penalties:**	
Permit Types:	Other	**Last Penalty Date:**	
RCRA NAICS:		**Last Penalty Amt:**	
Inspection Count:		**Qtrs with NC:**	0
Informal Count:		**Compliance Status:**	No Violation Identified
Formal Action Cnt:		**SNC ?:**	No
Days since Last Evaluation:			
Date of Last Formal Action:			
3Yr Compl Qtrs History:	_____		

Facility Details - Data Download

Compliance Status:	No Violation Identified	**Federal?:**	
Active/Operating:		**Federal Agency Nam:**	
SNC?:	No	**SIC Codes:**	
Qtrs in NC?:	0	**NAICS Codes:**	
Formal Action Cnt:	0	**EJ Screen 80%:**	10
Last Formal Action:		**Indian/Tribal?:**	N
Informal Count:	0	**Indian/Spatial?:**	No
Total Penalties:	0	**Tile Proxmty NPDES:**	78.3
Penalty Count:		**Tile Proximity NPL:**	88.3
Dt of Last Penalty:		**Tile Proximity RMP:**	80
Last Penalty Amt:		**Tile Proximty TSDF:**	84.8
Inspection Count:	0	**Tile O3:**	84.4
Dt of Last Inspect:		**Tile PM:**	84
RMP ID(s):		**Tile PCT Pre 1960:**	96.6
EIS ID(s):		**Tile DPM:**	89.9
SEMS IDs:		**Mapped:**	Yes
EPCRA Inspctns 5Yr:		**State County FIPS Cd:**	47157
FIFRA Inspctns 5Yr:		**County [FRS]:**	SHELBY COUNTY

NAA Stndr Classfd as Nonattn:
NAA Stndr Classfd Maintennc: Carbon Monoxide (1971); 1-Hour Ozone (1979); 8-Hour Ozone (2008)
Nonattain Pollutants in NAAs:
Maintenance Pollutants NAAs: Carbon Monoxide; Ozone
Within a Nonattaining NAA:

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Within a Maintenance NAA: Y
Date of Last Inspection (EPA):
Dt Last Inspection(State/Local):
Days since Last Inspection:
DFR URL: https://echo.epa.gov/detailed-facility-report?fid=110004999217

Resource Conservation and Recovery Act (RCRA) - Data Download

RCRA ID(s): TND990649360
Permit Type(s): Other
Inspection Count:
Compliance Status: No Violation Identified
Informal Count:
Formal Action Cnt:
Penalties:

---

19 | **1 of 2** | **SW** | **0.31 / 1,627.56** | **256.43 / -3** | **MEMPHIS MENTAL HEALTH INSTITUTE**
865 POPLAR AVENUE
MEMPHIS TN | **SRP**

DOR Site ID: SRS791119
Status: CLOSED
EPA Facility ID:
EPA Registry ID:
Delisted:
Promulgated Date:
DOR EFO: MEMPHIS
Program: VOLUNTARY
County: SHELBY
Latitude: 35.144722
Longitude: -90.031389
Acres:

---

19 | **2 of 2** | **SW** | **0.31 / 1,627.56** | **256.43 / -3** | **MEMPHIS MENTAL HEALTH INSTITUTE**
865 POPLAR AVENUE
MEMPHIS TN | **VCP**

Site ID: SRS791119
EPA Facility ID:
EPA Registry ID:
Status: CLOSED
Acres:
Program: VOLUNTARY
EFO: MEMPHIS
County: SHELBY
Latitude: 35.144722
Longitude: -90.031389

---

20 | **1 of 2** | **NW** | **0.32 / 1,712.50** | **244.25 / -15** | **MLGW-MALLORY PUMPING STATION**
488 NORTH DUNLAP
MEMPHIS TN 38105 | **ECHO**

FRS ID: 110018864558
Fac EPA Region: 04
Facility County: SHELBY
Facility Latitude: 35.15375
Facility Longitude: -90.03131

Facility Details

Major Facility?:
Active/Operating?: Y
Compliance Status: No Violation Identified
Signif Non Compl?: N
Programs with SNC: 0
Qtrs with NC: 0
3Yr Compliance Hist: _____
Formal Action Count: 0
Last Formal Action:
Last EPA Formal Act:
Last State Formal Act:
Informal Count: 0
Last Informal Action:
Last EPA Informal A:
Last State Informal A:
Air?: Yes
NPDES?: No
SDWIS?: No
RCRA?: No
TRI?: No
GHG?: No
SIC Codes: 4931
NAICS Codes: 237110
FIPS Code: 47157
Indian/Tribal?: No
Federal ?:
Federal Agency:
Chesapeake Bay?:
NAA?: No
Coordinate Method: ADDRESS MATCHING-HOUSE NUMBER

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Total Penalties:	0	**Reference Point:**	ENTRANCE POINT OF A FACILITY OR STATION
Penalty Count:		**Accuracy (Meters):**	50
Date of Last Penalty:		**Inspection Count:**	3
Last Penalty Amount:		**Last Inspection:**	09/06/2018
myRTK Universe:	NNN	**Last EPA Inspection:**	
Dschg Impair Water?:		**Last State Inspection:**	09/06/2018
EJ Screen 80%:	Yes	**Days Last Inspection:**	976
DFR URL:	http://echo.epa.gov/detailed-facility-report?fid=110018864558		

Clean Air Act (CAA)

High Priorty Viol?:	No	**Evaluation Count:**	3
Compliance Status:	No Violation Identified	**Informal Count:**	
Qtrs with NC:	0	**Penalties:**	
Formal Action Cnt:		**Dt of Last Penalty:**	
CAA NAICS:	237110	**Last Penalty Amt:**	
CAA SICS:	4931		
AIR ID(s):	TNSHL0004715700257		
CO2 Releases:	Synthetic Minor Emissions		
3Yr Compl Qtrs History:	_____		
Date of Last Formal Action:			
Days SInce Last Evaluation:	975		

Facility Details - Data Download

Compliance Status:	No Violation Identified	**Federal?:**	
Active/Operating:	Y	**Federal Agency Nam:**	
SNC?:	No	**SIC Codes:**	4931
Qtrs in NC?:	0	**NAICS Codes:**	237110
Formal Action Cnt:	0	**EJ Screen 80%:**	10
Last Formal Action:		**Indian/Tribal?:**	N
Informal Count:	0	**Indian/Spatial?:**	No
Total Penalties:	0	**Tile Proxmty NPDES:**	78.3
Penalty Count:		**Tile Proximity NPL:**	88.3
Dt of Last Penalty:		**Tile Proximity RMP:**	80
Last Penalty Amt:		**Tile Proximty TSDF:**	84.8
Inspection Count:	3	**Tile O3:**	84.4
Dt of Last Inspect:	09/06/2018	**Tile PM:**	84
RMP ID(s):		**Tile PCT Pre 1960:**	96.6
EIS ID(s):		**Tile DPM:**	89.9
SEMS IDs:		**Mapped:**	Yes
EPCRA Inspctns 5Yr:		**State County FIPS Cd:**	47157
FIFRA Inspctns 5Yr:		**County [FRS]:**	SHELBY COUNTY
NAA Stndr Classfd as Nonattn:			
NAA Stndr Classfd Maintennc:	Carbon Monoxide (1971); 1-Hour Ozone (1979); 8-Hour Ozone (2008)		
Nonattain Pollutants in NAAs:			
Maintenance Pollutants NAAs:	Carbon Monoxide; Ozone		
Within a Nonattaining NAA:			
Within a Maintenance NAA:	Y		
Date of Last Inspection (EPA):			
Dt Last Inspection(State/Local):	09/06/2018		
Days since Last Inspection:	975		
DFR URL:	https://echo.epa.gov/detailed-facility-report?fid=110018864558		

Clean Air Act - Data Download

AIR ID(s):	TNSHL0004715700257	**Compliance Status:**	No Violation Identified
CAMD ID(s):		**Penalties:**	
Permit Types:	Synthetic Minor Emissions	**Evaluation Count:**	3
Formal Action Cnt:		**Informal Count:**	

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
20	2 of 2	NW	0.32 / 1,712.50	244.25 / -15	MALLORY PUMPING STATION 488 NORTH DUNLAP	ECHO

MEMPHIS TN 38103

FRS ID:	110070217327	***Facility Latitude:***	35.15375
Fac EPA Region:	04	***Facility Longitude:***	-90.03131
Facility County:			

Facility Details

Major Facility?:		***Air?:***	No
Active/Operating?:		***NPDES?:***	Yes
Compliance Status:		***SDWIS?:***	No
Signif Non Compl?:	N	***RCRA?:***	No
Programs with SNC:	0	***TRI?:***	No
Qtrs with NC:	0	***GHG?:***	No
3Yr Compliance Hist:	_____U	***SIC Codes:***	
Formal Action Count:	0	***NAICS Codes:***	
Last Formal Action:		***FIPS Code:***	47157
Last EPA Formal Act:		***Indian/Tribal?:***	No
Last State Formal Act:		***Federal ?:***	
Informal Count:	0	***Federal Agency:***	
Last Informal Action:		***Chesapeake Bay?:***	
Last EPA Informal A:		***NAA?:***	No
Last State Informal A:		***Coordinate Method:***	ADDRESS MATCHING-HOUSE NUMBER
Total Penalties:	0	***Reference Point:***	ENTRANCE POINT OF A FACILITY OR STATION
Penalty Count:		***Accuracy (Meters):***	50
Date of Last Penalty:		***Inspection Count:***	0
Last Penalty Amount:		***Last Inspection:***	
myRTK Universe:	NNN	***Last EPA Inspection:***	
Dschg Impair Water?:	Y	***Last State Inspection:***	
EJ Screen 80%:	Yes	***Days Last Inspection:***	
DFR URL:	http://echo.epa.gov/detailed-facility-report?fid=110070217327		

Clean Water Act (CWA)

NPDES ID(s):	TNR154531	***Penalties:***	
Permit Types:	Minor	***Last Penalty Date:***	
Compliance Trcking:	Off	***Last Penalty Amt:***	
CWA NAICS:		***Qtrs With NC:***	0
CWA SICS:		***Compliance Status:***	Terminated Permit
Inspection Count:		***SNC ?:***	No
Informal Count:		***3Yr QNCR Codes:***	
Formal Action Count:			
Days since Last Inspection:			
Date of Last Formal Action:			
13Qtrs Compl History:	_____U		
13Qtrs Efflnt Exceedances:			

Facility Details - Data Download

Compliance Status:		***Federal?:***	
Active/Operating:		***Federal Agency Nam:***	
SNC?:	No	***SIC Codes:***	
Qtrs in NC?:	0	***NAICS Codes:***	
Formal Action Cnt:	0	***EJ Screen 80%:***	10
Last Formal Action:		***Indian/Tribal?:***	N
Informal Count:	0	***Indian/Spatial?:***	No
Total Penalties:	0	***Tile Proxmty NPDES:***	78.3
Penalty Count:		***Tile Proximity NPL:***	88.3
Dt of Last Penalty:		***Tile Proximity RMP:***	80
Last Penalty Amt:		***Tile Proximty TSDF:***	84.8
Inspection Count:	0	***Tile O3:***	84.4
Dt of Last Inspect:		***Tile PM:***	84
RMP ID(s):		***Tile PCT Pre 1960:***	96.6
EIS ID(s):		***Tile DPM:***	89.9

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

SEMS IDs:		**Mapped:**	Yes
EPCRA Inspctns 5Yr:		**State County FIPS Cd:**	47157
FIFRA Inspctns 5Yr:		**County [FRS]:**	SHELBY COUNTY
NAA Stndr Classfd as Nonattn:			
NAA Stndr Classfd Maintennc:	Carbon Monoxide (1971); 1-Hour Ozone (1979); 8-Hour Ozone (2008)		
Nonattain Pollutants in NAAs:			
Maintenance Pollutants NAAs:	Carbon Monoxide; Ozone		
Within a Nonattaining NAA:			
Within a Maintenance NAA:	Y		
Date of Last Inspection (EPA):			
Dt Last Inspection(State/Local):			
Days since Last Inspection:			
DFR URL:	https://echo.epa.gov/detailed-facility-report?fid=110070217327		

Clean Water Act - Data Download

NPDES ID(s):	TNR154531	**Formal Action Cnt:**	
Permit Types:	Minor	**Penalties:**	
Inspection Count:		**Compliance Status:**	Terminated Permit
Informal Count:			

21	1 of 1	SW	0.33 / 1,721.94	261.72 / 2	**REGAL OLDSMOBILE** **850 POPLAR AVE** **MEMPHIS TN 38104**	**ECHO**

FRS ID:	110004964487	**Facility Latitude:**	35.14546
Fac EPA Region:	04	**Facility Longitude:**	-90.03188
Facility County:	SHELBY		

Facility Details

Major Facility?:		**Air?:**	No
Active/Operating?:		**NPDES?:**	No
Compliance Status:	No Violation Identified	**SDWIS?:**	No
Signif Non Compl?:	N	**RCRA?:**	Yes
Programs with SNC:	0	**TRI?:**	No
Qtrs with NC:	0	**GHG?:**	No
3Yr Compliance Hist:	_____	**SIC Codes:**	
Formal Action Count:	0	**NAICS Codes:**	32551
Last Formal Action:		**FIPS Code:**	47157
Last EPA Formal Act:		**Indian/Tribal?:**	No
Last State Formal Act:		**Federal ?:**	
Informal Count:	0	**Federal Agency:**	
Last Informal Action:		**Chesapeake Bay?:**	
Last EPA Informal A:		**NAA?:**	No
Last State Informal A:		**Coordinate Method:**	ADDRESS MATCHING-HOUSE NUMBER
Total Penalties:	0	**Reference Point:**	CENTER OF A FACILITY OR STATION
Penalty Count:		**Accuracy (Meters):**	30
Date of Last Penalty:		**Inspection Count:**	0
Last Penalty Amount:		**Last Inspection:**	03/13/1987
myRTK Universe:	NNN	**Last EPA Inspection:**	
Dschg Impair Water?:		**Last State Inspection:**	03/13/1987
EJ Screen 80%:	Yes	**Days Last Inspection:**	12476
DFR URL:	http://echo.epa.gov/detailed-facility-report?fid=110004964487		

Resource Conservation and Recovery Act (RCRA)

RCRA ID(s):	TND034748475	**Penalties:**	
Permit Types:	Other	**Last Penalty Date:**	
RCRA NAICS:	32551	**Last Penalty Amt:**	
Inspection Count:		**Qtrs with NC:**	0
Informal Count:		**Compliance Status:**	No Violation Identified
Formal Action Cnt:		**SNC ?:**	No
Days since Last Evaluation:	12475		
Date of Last Formal Action:			

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

3Yr Compl Qtrs History: _____

Facility Details - Data Download

Compliance Status:	No Violation Identified	***Federal?:***	
Active/Operating:		***Federal Agency Nam:***	
SNC?:	No	***SIC Codes:***	
Qtrs in NC?:	0	***NAICS Codes:***	32551
Formal Action Cnt:	0	***EJ Screen 80%:***	4
Last Formal Action:		***Indian/Tribal?:***	N
Informal Count:	0	***Indian/Spatial?:***	No
Total Penalties:	0	***Tile Proxmty NPDES:***	73.4
Penalty Count:		***Tile Proximity NPL:***	82.6
Dt of Last Penalty:		***Tile Proximity RMP:***	69.6
Last Penalty Amt:		***Tile Proximty TSDF:***	82.9
Inspection Count:	0	***Tile O3:***	73.5
Dt of Last Inspect:	03/13/1987	***Tile PM:***	73.4
RMP ID(s):		***Tile PCT Pre 1960:***	75.1
EIS ID(s):		***Tile DPM:***	80.9
SEMS IDs:		***Mapped:***	Yes
EPCRA Inspctns 5Yr:		***State County FIPS Cd:***	47157
FIFRA Inspctns 5Yr:		***County [FRS]:***	SHELBY COUNTY
NAA Stndr Classfd as Nonattn:			
NAA Stndr Classfd Maintennc:	Carbon Monoxide (1971); 1-Hour Ozone (1979); 8-Hour Ozone (2008)		
Nonattain Pollutants in NAAs:			
Maintenance Pollutants NAAs:	Carbon Monoxide; Ozone		
Within a Nonattaining NAA:			
Within a Maintenance NAA:	Y		
Date of Last Inspection (EPA):			
Dt Last Inspection(State/Local):	03/13/1987		
Days since Last Inspection:	12475		
DFR URL:	https://echo.epa.gov/detailed-facility-report?fid=110004964487		

Resource Conservation and Recovery Act (RCRA) - Data Download

RCRA ID(s):	TND034748475	***Informal Count:***	
Permit Type(s):	Other	***Formal Action Cnt:***	
Inspection Count:		***Penalties:***	
Compliance Status:	No Violation Identified		

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
22	1 of 23	WNW	0.35 / 1,847.99	236.49 / -23	GS VEHICLE MAINTENANCE MEMPHIS TN 38105	ECHO

FRS ID:	110027676799	***Facility Latitude:***	35.151095
Fac EPA Region:	04	***Facility Longitude:***	-90.03412
Facility County:	SHELBY		

Facility Details - Data Download

Compliance Status:		***Federal?:***	
Active/Operating:		***Federal Agency Nam:***	
SNC?:	No	***SIC Codes:***	
Qtrs in NC?:		***NAICS Codes:***	
Formal Action Cnt:	0	***EJ Screen 80%:***	
Last Formal Action:		***Indian/Tribal?:***	N
Informal Count:	0	***Indian/Spatial?:***	No
Total Penalties:	0	***Tile Proxmty NPDES:***	
Penalty Count:		***Tile Proximity NPL:***	
Dt of Last Penalty:		***Tile Proximity RMP:***	
Last Penalty Amt:		***Tile Proximty TSDF:***	
Inspection Count:	0	***Tile O3:***	
Dt of Last Inspect:		***Tile PM:***	
RMP ID(s):		***Tile PCT Pre 1960:***	
EIS ID(s):		***Tile DPM:***	

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

SEMS IDs:		**Mapped:**	Yes
EPCRA Inspctns 5Yr:		**State County FIPS Cd:**	
FIFRA Inspctns 5Yr:		**County [FRS]:**	
NAA Stndr Classfd as Nonattn:			
NAA Stndr Classfd Maintennc:			
Nonattain Pollutants in NAAs:			
Maintenance Pollutants NAAs:			
Within a Nonattaining NAA:			
Within a Maintenance NAA:			
Date of Last Inspection (EPA):			
Dt Last Inspection(State/Local):			
Days since Last Inspection:			
DFR URL:	https://echo.epa.gov/detailed-facility-report?fid=110027676799		

22 **2 of 23** **WNW** **0.35 / 1,847.99** **236.49 / -23** **INSULATION AND REFRACTORIES SERVICES** **ECHO**

MEMPHIS TN 38105

FRS ID:	110027728369	**Facility Latitude:**	35.151095
Fac EPA Region:	04	**Facility Longitude:**	-90.03412
Facility County:	SHELBY		

Facility Details - Data Download

Compliance Status:		**Federal?:**	
Active/Operating:		**Federal Agency Nam:**	
SNC?:	No	**SIC Codes:**	
Qtrs in NC?:		**NAICS Codes:**	
Formal Action Cnt:	0	**EJ Screen 80%:**	
Last Formal Action:		**Indian/Tribal?:**	N
Informal Count:	0	**Indian/Spatial?:**	No
Total Penalties:	0	**Tile Proxmty NPDES:**	
Penalty Count:		**Tile Proximity NPL:**	
Dt of Last Penalty:		**Tile Proximity RMP:**	
Last Penalty Amt:		**Tile Proximty TSDF:**	
Inspection Count:	0	**Tile O3:**	
Dt of Last Inspect:		**Tile PM:**	
RMP ID(s):		**Tile PCT Pre 1960:**	
EIS ID(s):		**Tile DPM:**	
SEMS IDs:		**Mapped:**	Yes
EPCRA Inspctns 5Yr:		**State County FIPS Cd:**	
FIFRA Inspctns 5Yr:		**County [FRS]:**	
NAA Stndr Classfd as Nonattn:			
NAA Stndr Classfd Maintennc:			
Nonattain Pollutants in NAAs:			
Maintenance Pollutants NAAs:			
Within a Nonattaining NAA:			
Within a Maintenance NAA:			
Date of Last Inspection (EPA):			
Dt Last Inspection(State/Local):			
Days since Last Inspection:			
DFR URL:	https://echo.epa.gov/detailed-facility-report?fid=110027728369		

22 **3 of 23** **WNW** **0.35 / 1,847.99** **236.49 / -23** **MEMPHIS BULK PLANT** **ECHO**

MEMPHIS TN 38105

FRS ID:	110027768100	**Facility Latitude:**	35.151095
Fac EPA Region:	04	**Facility Longitude:**	-90.03412
Facility County:	SHELBY		

Facility Details - Data Download

Compliance Status:		**Federal?:**	

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Active/Operating:		Federal Agency Nam:	
SNC?:	No	SIC Codes:	
Qtrs in NC?:		NAICS Codes:	
Formal Action Cnt:	0	EJ Screen 80%:	
Last Formal Action:		Indian/Tribal?:	N
Informal Count:	0	Indian/Spatial?:	No
Total Penalties:	0	Tile Proxmty NPDES:	
Penalty Count:		Tile Proximity NPL:	
Dt of Last Penalty:		Tile Proximity RMP:	
Last Penalty Amt:		Tile Proximty TSDF:	
Inspection Count:	0	Tile O3:	
Dt of Last Inspect:		Tile PM:	
RMP ID(s):		Tile PCT Pre 1960:	
EIS ID(s):		Tile DPM:	
SEMS IDs:		Mapped:	Yes
EPCRA Inspctns 5Yr:		State County FIPS Cd:	
FIFRA Inspctns 5Yr:		County [FRS]:	
NAA Stndr Classfd as Nonattn:			
NAA Stndr Classfd Maintennc:			
Nonattain Pollutants in NAAs:			
Maintenance Pollutants NAAs:			
Within a Nonattaining NAA:			
Within a Maintenance NAA:			
Date of Last Inspection (EPA):			
Dt Last Inspection(State/Local):			
Days since Last Inspection:			
DFR URL:	https://echo.epa.gov/detailed-facility-report?fid=110027768100		

22	4 of 23	WNW	0.35 / 1,847.99	236.49 / -23	SHELBY COUNTY COURT OF MEMPHIS MEMPHIS TN 38105	ECHO

FRS ID:	110027683175	Facility Latitude:	35.151095
Fac EPA Region:	04	Facility Longitude:	-90.03412
Facility County:	SHELBY		

Facility Details - Data Download

Compliance Status:		Federal?:	
Active/Operating:		Federal Agency Nam:	
SNC?:	No	SIC Codes:	
Qtrs in NC?:		NAICS Codes:	
Formal Action Cnt:	0	EJ Screen 80%:	
Last Formal Action:		Indian/Tribal?:	N
Informal Count:	0	Indian/Spatial?:	No
Total Penalties:	0	Tile Proxmty NPDES:	
Penalty Count:		Tile Proximity NPL:	
Dt of Last Penalty:		Tile Proximity RMP:	
Last Penalty Amt:		Tile Proximty TSDF:	
Inspection Count:	0	Tile O3:	
Dt of Last Inspect:		Tile PM:	
RMP ID(s):		Tile PCT Pre 1960:	
EIS ID(s):		Tile DPM:	
SEMS IDs:		Mapped:	Yes
EPCRA Inspctns 5Yr:		State County FIPS Cd:	
FIFRA Inspctns 5Yr:		County [FRS]:	
NAA Stndr Classfd as Nonattn:			
NAA Stndr Classfd Maintennc:			
Nonattain Pollutants in NAAs:			
Maintenance Pollutants NAAs:			
Within a Nonattaining NAA:			
Within a Maintenance NAA:			
Date of Last Inspection (EPA):			
Dt Last Inspection(State/Local):			
Days since Last Inspection:			
DFR URL:	https://echo.epa.gov/detailed-facility-report?fid=110027683175		

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
22	5 of 23	WNW	0.35 / 1,847.99	236.49 / -23	DOWNTOWN SHELL MEMPHIS TN 38105	ECHO

FRS ID: 110027603715
Fac EPA Region: 04
Facility County: SHELBY
Facility Latitude: 35.151095
Facility Longitude: -90.03412

Facility Details - Data Download

Compliance Status:
Active/Operating:
SNC?: No
Qtrs in NC?:
Formal Action Cnt: 0
Last Formal Action:
Informal Count: 0
Total Penalties: 0
Penalty Count:
Dt of Last Penalty:
Last Penalty Amt:
Inspection Count: 0
Dt of Last Inspect:
RMP ID(s):
EIS ID(s):
SEMS IDs:
EPCRA Inspctns 5Yr:
FIFRA Inspctns 5Yr:
NAA Stndr Classfd as Nonattn:
NAA Stndr Classfd Maintennc:
Nonattain Pollutants in NAAs:
Maintenance Pollutants NAAs:
Within a Nonattaining NAA:
Within a Maintenance NAA:
Date of Last Inspection (EPA):
Dt Last Inspection(State/Local):
Days since Last Inspection:
DFR URL: https://echo.epa.gov/detailed-facility-report?fid=110027603715

Federal?:
Federal Agency Nam:
SIC Codes:
NAICS Codes:
EJ Screen 80%:
Indian/Tribal?: N
Indian/Spatial?: No
Tile Proxmty NPDES:
Tile Proximity NPL:
Tile Proximity RMP:
Tile Proximty TSDF:
Tile O3:
Tile PM:
Tile PCT Pre 1960:
Tile DPM:
Mapped: Yes
State County FIPS Cd:
County [FRS]:

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
22	6 of 23	WNW	0.35 / 1,847.99	236.49 / -23	TN TECHOLOGY CENTER OF MEMPHIS MEMPHIS TN 38105	ECHO

FRS ID: 110027730221
Fac EPA Region: 04
Facility County: SHELBY
Facility Latitude: 35.151095
Facility Longitude: -90.03412

Facility Details - Data Download

Compliance Status:
Active/Operating:
SNC?: No
Qtrs in NC?:
Formal Action Cnt: 0
Last Formal Action:
Informal Count: 0
Total Penalties: 0
Penalty Count:
Dt of Last Penalty:
Last Penalty Amt:
Inspection Count: 0
Dt of Last Inspect:
RMP ID(s):

Federal?:
Federal Agency Nam:
SIC Codes:
NAICS Codes:
EJ Screen 80%:
Indian/Tribal?: N
Indian/Spatial?: No
Tile Proxmty NPDES:
Tile Proximity NPL:
Tile Proximity RMP:
Tile Proximty TSDF:
Tile O3:
Tile PM:
Tile PCT Pre 1960:

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

EIS ID(s):
SEMS IDs:
EPCRA Inspctns 5Yr:
FIFRA Inspctns 5Yr:
NAA Stndr Classfd as Nonattn:
NAA Stndr Classfd Maintennc:
Nonattain Pollutants in NAAs:
Maintenance Pollutants NAAs:
Within a Nonattaining NAA:
Within a Maintenance NAA:
Date of Last Inspection (EPA):
Dt Last Inspection(State/Local):
Days since Last Inspection:
Tile DPM:
Mapped: Yes
State County FIPS Cd:
County [FRS]:
DFR URL: https://echo.epa.gov/detailed-facility-report?fid=110027730221

22	7 of 23	WNW	0.35 / 1,847.99	236.49 / -23	GREYHOUND MAINTENANCE GARAGE MEMPHIS TN 38105	ECHO

FRS ID: 110027665284
Fac EPA Region: 04
Facility County: SHELBY
Facility Latitude: 35.151095
Facility Longitude: -90.03412

Facility Details - Data Download

Compliance Status:
Active/Operating:
SNC?: No
Qtrs in NC?:
Formal Action Cnt: 0
Last Formal Action:
Informal Count: 0
Total Penalties: 0
Penalty Count:
Dt of Last Penalty:
Last Penalty Amt:
Inspection Count: 0
Dt of Last Inspect:
RMP ID(s):
EIS ID(s):
SEMS IDs:
EPCRA Inspctns 5Yr:
FIFRA Inspctns 5Yr:
NAA Stndr Classfd as Nonattn:
NAA Stndr Classfd Maintennc:
Nonattain Pollutants in NAAs:
Maintenance Pollutants NAAs:
Within a Nonattaining NAA:
Within a Maintenance NAA:
Date of Last Inspection (EPA):
Dt Last Inspection(State/Local):
Days since Last Inspection:
Federal?:
Federal Agency Nam:
SIC Codes:
NAICS Codes:
EJ Screen 80%:
Indian/Tribal?: N
Indian/Spatial?: No
Tile Proxmty NPDES:
Tile Proximity NPL:
Tile Proximity RMP:
Tile Proximty TSDF:
Tile O3:
Tile PM:
Tile PCT Pre 1960:
Tile DPM:
Mapped: Yes
State County FIPS Cd:
County [FRS]:
DFR URL: https://echo.epa.gov/detailed-facility-report?fid=110027665284

22	8 of 23	WNW	0.35 / 1,847.99	236.49 / -23	(FORMERLY) CHIP BARWICK CHEVROLET MEMPHIS TN 38105	ECHO

FRS ID: 110027747605
Fac EPA Region: 04
Facility County: SHELBY
Facility Latitude: 35.151095
Facility Longitude: -90.03412

Facility Details - Data Download

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Compliance Status:
Active/Operating:
SNC?: No
Qtrs in NC?:
Formal Action Cnt: 0
Last Formal Action:
Informal Count: 0
Total Penalties: 0
Penalty Count:
Dt of Last Penalty:
Last Penalty Amt:
Inspection Count: 0
Dt of Last Inspect:
RMP ID(s):
EIS ID(s):
SEMS IDs:
EPCRA Inspctns 5Yr:
FIFRA Inspctns 5Yr:
NAA Stndr Classfd as Nonattn:
NAA Stndr Classfd Maintennc:
Nonattain Pollutants in NAAs:
Maintenance Pollutants NAAs:
Within a Nonattaining NAA:
Within a Maintenance NAA:
Date of Last Inspection (EPA):
Dt Last Inspection(State/Local):
Days since Last Inspection:
DFR URL: https://echo.epa.gov/detailed-facility-report?fid=110027747605

Federal?:
Federal Agency Nam:
SIC Codes:
NAICS Codes:
EJ Screen 80%:
Indian/Tribal?: N
Indian/Spatial?: No
Tile Proxmty NPDES:
Tile Proximity NPL:
Tile Proximity RMP:
Tile Proximty TSDF:
Tile O3:
Tile PM:
Tile PCT Pre 1960:
Tile DPM:
Mapped: Yes
State County FIPS Cd:
County [FRS]:

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
22	9 of 23	WNW	0.35 / 1,847.99	236.49 / -23	POPLAR AVENUE BP MEMPHIS TN 38105	ECHO

FRS ID: 110027703910
Fac EPA Region: 04
Facility County: SHELBY

Facility Latitude: 35.151095
Facility Longitude: -90.03412

Facility Details - Data Download

Compliance Status:
Active/Operating:
SNC?: No
Qtrs in NC?:
Formal Action Cnt: 0
Last Formal Action:
Informal Count: 0
Total Penalties: 0
Penalty Count:
Dt of Last Penalty:
Last Penalty Amt:
Inspection Count: 0
Dt of Last Inspect:
RMP ID(s):
EIS ID(s):
SEMS IDs:
EPCRA Inspctns 5Yr:
FIFRA Inspctns 5Yr:
NAA Stndr Classfd as Nonattn:
NAA Stndr Classfd Maintennc:
Nonattain Pollutants in NAAs:
Maintenance Pollutants NAAs:
Within a Nonattaining NAA:
Within a Maintenance NAA:
Date of Last Inspection (EPA):
Dt Last Inspection(State/Local):
Days since Last Inspection:

Federal?:
Federal Agency Nam:
SIC Codes:
NAICS Codes:
EJ Screen 80%:
Indian/Tribal?: N
Indian/Spatial?: No
Tile Proxmty NPDES:
Tile Proximity NPL:
Tile Proximity RMP:
Tile Proximty TSDF:
Tile O3:
Tile PM:
Tile PCT Pre 1960:
Tile DPM:
Mapped: Yes
State County FIPS Cd:
County [FRS]:

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

DFR URL: https://echo.epa.gov/detailed-facility-report?fid=110027703910

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22 | **10 of 23** | **WNW** | **0.35 / 1,847.99** | **236.49 / -23** | **INSULATION AND REFRACTORIES SERVICE** | **ECHO**

MEMPHIS TN 38105

FRS ID: 110027728323
Fac EPA Region: 04
Facility County: SHELBY
Facility Latitude: 35.151095
Facility Longitude: -90.03412

Facility Details - Data Download

Compliance Status:
Active/Operating:
SNC?: No
Qtrs in NC?:
Formal Action Cnt: 0
Last Formal Action:
Informal Count: 0
Total Penalties: 0
Penalty Count:
Dt of Last Penalty:
Last Penalty Amt:
Inspection Count: 0
Dt of Last Inspect:
RMP ID(s):
EIS ID(s):
SEMS IDs:
EPCRA Inspctns 5Yr:
FIFRA Inspctns 5Yr:
NAA Stndr Classfd as Nonattn:
NAA Stndr Classfd Maintennc:
Nonattain Pollutants in NAAs:
Maintenance Pollutants NAAs:
Within a Nonattaining NAA:
Within a Maintenance NAA:
Date of Last Inspection (EPA):
Dt Last Inspection(State/Local):
Days since Last Inspection:
Federal?:
Federal Agency Nam:
SIC Codes:
NAICS Codes:
EJ Screen 80%:
Indian/Tribal?: N
Indian/Spatial?: No
Tile Proxmty NPDES:
Tile Proximity NPL:
Tile Proximity RMP:
Tile Proximty TSDF:
Tile O3:
Tile PM:
Tile PCT Pre 1960:
Tile DPM:
Mapped: Yes
State County FIPS Cd:
County [FRS]:

DFR URL: https://echo.epa.gov/detailed-facility-report?fid=110027728323

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22 | **11 of 23** | **WNW** | **0.35 / 1,847.99** | **236.49 / -23** | **WILLIAMS EXPRESS, INC. # 3254** | **ECHO**

MEMPHIS TN 38105

FRS ID: 110027727173
Fac EPA Region: 04
Facility County: SHELBY
Facility Latitude: 35.151095
Facility Longitude: -90.03412

Facility Details - Data Download

Compliance Status:
Active/Operating:
SNC?: No
Qtrs in NC?:
Formal Action Cnt: 0
Last Formal Action:
Informal Count: 0
Total Penalties: 0
Penalty Count:
Dt of Last Penalty:
Last Penalty Amt:
Inspection Count: 0
Dt of Last Inspect:
Federal?:
Federal Agency Nam:
SIC Codes:
NAICS Codes:
EJ Screen 80%:
Indian/Tribal?: N
Indian/Spatial?: No
Tile Proxmty NPDES:
Tile Proximity NPL:
Tile Proximity RMP:
Tile Proximty TSDF:
Tile O3:
Tile PM:

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

RMP ID(s):
EIS ID(s):
SEMS IDs:
EPCRA Inspctns 5Yr:
FIFRA Inspctns 5Yr:
NAA Stndr Classfd as Nonattn:
NAA Stndr Classfd Maintennc:
Nonattain Pollutants in NAAs:
Maintenance Pollutants NAAs:
Within a Nonattaining NAA:
Within a Maintenance NAA:
Date of Last Inspection (EPA):
Dt Last Inspection(State/Local):
Days since Last Inspection:
DFR URL: https://echo.epa.gov/detailed-facility-report?fid=110027727173

Tile PCT Pre 1960:
Tile DPM:
Mapped: Yes
State County FIPS Cd:
County [FRS]:

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22 | ***12 of 23*** | ***WNW*** | ***0.35 / 1,847.99*** | ***236.49 / -23*** | ***FORMER UNION GROVE BAPTIST CHURCH***
MEMPHIS TN 38105 | ***ECHO***

FRS ID: 110027628976
Fac EPA Region: 04
Facility County: SHELBY

Facility Latitude: 35.151095
Facility Longitude: -90.03412

Facility Details - Data Download

Compliance Status:
Active/Operating:
SNC?: No
Qtrs in NC?:
Formal Action Cnt: 0
Last Formal Action:
Informal Count: 0
Total Penalties: 0
Penalty Count:
Dt of Last Penalty:
Last Penalty Amt:
Inspection Count: 0
Dt of Last Inspect:
RMP ID(s):
EIS ID(s):
SEMS IDs:
EPCRA Inspctns 5Yr:
FIFRA Inspctns 5Yr:
NAA Stndr Classfd as Nonattn:
NAA Stndr Classfd Maintennc:
Nonattain Pollutants in NAAs:
Maintenance Pollutants NAAs:
Within a Nonattaining NAA:
Within a Maintenance NAA:
Date of Last Inspection (EPA):
Dt Last Inspection(State/Local):
Days since Last Inspection:
DFR URL: https://echo.epa.gov/detailed-facility-report?fid=110027628976

Federal?:
Federal Agency Nam:
SIC Codes:
NAICS Codes:
EJ Screen 80%:
Indian/Tribal?: N
Indian/Spatial?: No
Tile Proxmty NPDES:
Tile Proximity NPL:
Tile Proximity RMP:
Tile Proximty TSDF:
Tile O3:
Tile PM:
Tile PCT Pre 1960:
Tile DPM:
Mapped: Yes
State County FIPS Cd:
County [FRS]:

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22 | ***13 of 23*** | ***WNW*** | ***0.35 / 1,847.99*** | ***236.49 / -23*** | ***HARDY S SERVICE STATION***
MEMPHIS TN 38105 | ***ECHO***

FRS ID: 110027694136
Fac EPA Region: 04
Facility County: SHELBY

Facility Latitude: 35.151095
Facility Longitude: -90.03412

Facility Details - Data Download

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Compliance Status:		**Federal?:**	
Active/Operating:		**Federal Agency Nam:**	
SNC?:	No	**SIC Codes:**	
Qtrs in NC?:		**NAICS Codes:**	
Formal Action Cnt:	0	**EJ Screen 80%:**	
Last Formal Action:		**Indian/Tribal?:**	N
Informal Count:	0	**Indian/Spatial?:**	No
Total Penalties:	0	**Tile Proxmty NPDES:**	
Penalty Count:		**Tile Proximity NPL:**	
Dt of Last Penalty:		**Tile Proximity RMP:**	
Last Penalty Amt:		**Tile Proximty TSDF:**	
Inspection Count:	0	**Tile O3:**	
Dt of Last Inspect:		**Tile PM:**	
RMP ID(s):		**Tile PCT Pre 1960:**	
EIS ID(s):		**Tile DPM:**	
SEMS IDs:		**Mapped:**	Yes
EPCRA Inspctns 5Yr:		**State County FIPS Cd:**	
FIFRA Inspctns 5Yr:		**County [FRS]:**	
NAA Stndr Classfd as Nonattn:			
NAA Stndr Classfd Maintennc:			
Nonattain Pollutants in NAAs:			
Maintenance Pollutants NAAs:			
Within a Nonattaining NAA:			
Within a Maintenance NAA:			
Date of Last Inspection (EPA):			
Dt Last Inspection(State/Local):			
Days since Last Inspection:			
DFR URL:	https://echo.epa.gov/detailed-facility-report?fid=110027694136		

22	*14 of 23*	*WNW*	*0.35 / 1,847.99*	*236.49 / -23*	***PUBLIC WORKS SEWER AND DRAIN MAINT*** ***MEMPHIS TN 38105***	***ECHO***

FRS ID:	110027616881	**Facility Latitude:**	35.151095
Fac EPA Region:	04	**Facility Longitude:**	-90.03412
Facility County:	SHELBY		

Facility Details - Data Download

Compliance Status:		**Federal?:**	
Active/Operating:		**Federal Agency Nam:**	
SNC?:	No	**SIC Codes:**	
Qtrs in NC?:		**NAICS Codes:**	
Formal Action Cnt:	0	**EJ Screen 80%:**	
Last Formal Action:		**Indian/Tribal?:**	N
Informal Count:	0	**Indian/Spatial?:**	No
Total Penalties:	0	**Tile Proxmty NPDES:**	
Penalty Count:		**Tile Proximity NPL:**	
Dt of Last Penalty:		**Tile Proximity RMP:**	
Last Penalty Amt:		**Tile Proximty TSDF:**	
Inspection Count:	0	**Tile O3:**	
Dt of Last Inspect:		**Tile PM:**	
RMP ID(s):		**Tile PCT Pre 1960:**	
EIS ID(s):		**Tile DPM:**	
SEMS IDs:		**Mapped:**	Yes
EPCRA Inspctns 5Yr:		**State County FIPS Cd:**	
FIFRA Inspctns 5Yr:		**County [FRS]:**	
NAA Stndr Classfd as Nonattn:			
NAA Stndr Classfd Maintennc:			
Nonattain Pollutants in NAAs:			
Maintenance Pollutants NAAs:			
Within a Nonattaining NAA:			
Within a Maintenance NAA:			
Date of Last Inspection (EPA):			
Dt Last Inspection(State/Local):			

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Days since Last Inspection:
DFR URL: https://echo.epa.gov/detailed-facility-report?fid=110027616881

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22 | ***15 of 23*** | ***WNW*** | ***0.35 / 1,847.99*** | ***236.49 / -23*** | ***GOODYEAR ASC (CLOSED)*** | ***ECHO***

MEMPHIS TN 38105

FRS ID: 110027652118
Fac EPA Region: 04
Facility County: SHELBY
Facility Latitude: 35.151095
Facility Longitude: -90.03412

Facility Details - Data Download

Compliance Status:
Active/Operating:
SNC?: No
Qtrs in NC?:
Formal Action Cnt: 0
Last Formal Action:
Informal Count: 0
Total Penalties: 0
Penalty Count:
Dt of Last Penalty:
Last Penalty Amt:
Inspection Count: 0
Dt of Last Inspect:
RMP ID(s):
EIS ID(s):
SEMS IDs:
EPCRA Inspctns 5Yr:
FIFRA Inspctns 5Yr:
NAA Stndr Classfd as Nonattn:
NAA Stndr Classfd Maintennc:
Nonattain Pollutants in NAAs:
Maintenance Pollutants NAAs:
Within a Nonattaining NAA:
Within a Maintenance NAA:
Date of Last Inspection (EPA):
Dt Last Inspection(State/Local):
Days since Last Inspection:
DFR URL: https://echo.epa.gov/detailed-facility-report?fid=110027652118

Federal?:
Federal Agency Nam:
SIC Codes:
NAICS Codes:
EJ Screen 80%:
Indian/Tribal?: N
Indian/Spatial?: No
Tile Proxmty NPDES:
Tile Proximity NPL:
Tile Proximity RMP:
Tile Proximty TSDF:
Tile O3:
Tile PM:
Tile PCT Pre 1960:
Tile DPM:
Mapped: Yes
State County FIPS Cd:
County [FRS]:

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22 | ***16 of 23*** | ***WNW*** | ***0.35 / 1,847.99*** | ***236.49 / -23*** | ***MALLORY PUMPING STATION*** | ***ECHO***

MEMPHIS TN 38105

FRS ID: 110027741442
Fac EPA Region: 04
Facility County: SHELBY
Facility Latitude: 35.151095
Facility Longitude: -90.03412

Facility Details - Data Download

Compliance Status:
Active/Operating:
SNC?: No
Qtrs in NC?:
Formal Action Cnt: 0
Last Formal Action:
Informal Count: 0
Total Penalties: 0
Penalty Count:
Dt of Last Penalty:
Last Penalty Amt:
Inspection Count: 0
Dt of Last Inspect:

Federal?:
Federal Agency Nam:
SIC Codes:
NAICS Codes:
EJ Screen 80%:
Indian/Tribal?: N
Indian/Spatial?: No
Tile Proxmty NPDES:
Tile Proximity NPL:
Tile Proximity RMP:
Tile Proximty TSDF:
Tile O3:
Tile PM:

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

RMP ID(s):
EIS ID(s):
SEMS IDs:
EPCRA Inspctns 5Yr:
FIFRA Inspctns 5Yr:
NAA Stndr Classfd as Nonattn:
NAA Stndr Classfd Maintennc:
Nonattain Pollutants in NAAs:
Maintenance Pollutants NAAs:
Within a Nonattaining NAA:
Within a Maintenance NAA:
Date of Last Inspection (EPA):
Dt Last Inspection(State/Local):
Days since Last Inspection:
DFR URL: https://echo.epa.gov/detailed-facility-report?fid=110027741442

Tile PCT Pre 1960:
Tile DPM:
Mapped: Yes
State County FIPS Cd:
County [FRS]:

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22 | ***17 of 23*** | ***WNW*** | ***0.35 / 1,847.99*** | ***236.49 / -23*** | ***AIR MASK SERVICE UNIT*** | ***ECHO***

MEMPHIS TN 38105

FRS ID: 110027753857
Fac EPA Region: 04
Facility County: SHELBY

Facility Latitude: 35.151095
Facility Longitude: -90.03412

Facility Details - Data Download

Compliance Status:
Active/Operating:
SNC?: No
Qtrs in NC?:
Formal Action Cnt: 0
Last Formal Action:
Informal Count: 0
Total Penalties: 0
Penalty Count:
Dt of Last Penalty:
Last Penalty Amt:
Inspection Count: 0
Dt of Last Inspect:
RMP ID(s):
EIS ID(s):
SEMS IDs:
EPCRA Inspctns 5Yr:
FIFRA Inspctns 5Yr:
NAA Stndr Classfd as Nonattn:
NAA Stndr Classfd Maintennc:
Nonattain Pollutants in NAAs:
Maintenance Pollutants NAAs:
Within a Nonattaining NAA:
Within a Maintenance NAA:
Date of Last Inspection (EPA):
Dt Last Inspection(State/Local):
Days since Last Inspection:
DFR URL: https://echo.epa.gov/detailed-facility-report?fid=110027753857

Federal?:
Federal Agency Nam:
SIC Codes:
NAICS Codes:
EJ Screen 80%:
Indian/Tribal?: N
Indian/Spatial?: No
Tile Proxmty NPDES:
Tile Proximity NPL:
Tile Proximity RMP:
Tile Proximty TSDF:
Tile O3:
Tile PM:
Tile PCT Pre 1960:
Tile DPM:
Mapped: Yes
State County FIPS Cd:
County [FRS]:

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22 | ***18 of 23*** | ***WNW*** | ***0.35 / 1,847.99*** | ***236.49 / -23*** | ***GREYHOUND TERMINAL*** | ***ECHO***

MEMPHIS TN 38105

FRS ID: 110027673765
Fac EPA Region: 04
Facility County: SHELBY

Facility Latitude: 35.151095
Facility Longitude: -90.03412

Facility Details - Data Download

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Compliance Status:		**Federal?:**	
Active/Operating:		**Federal Agency Nam:**	
SNC?:	No	**SIC Codes:**	
Qtrs in NC?:		**NAICS Codes:**	
Formal Action Cnt:	0	**EJ Screen 80%:**	
Last Formal Action:		**Indian/Tribal?:**	N
Informal Count:	0	**Indian/Spatial?:**	No
Total Penalties:	0	**Tile Proxmty NPDES:**	
Penalty Count:		**Tile Proximity NPL:**	
Dt of Last Penalty:		**Tile Proximity RMP:**	
Last Penalty Amt:		**Tile Proximty TSDF:**	
Inspection Count:	0	**Tile O3:**	
Dt of Last Inspect:		**Tile PM:**	
RMP ID(s):		**Tile PCT Pre 1960:**	
EIS ID(s):		**Tile DPM:**	
SEMS IDs:		**Mapped:**	Yes
EPCRA Inspctns 5Yr:		**State County FIPS Cd:**	
FIFRA Inspctns 5Yr:		**County [FRS]:**	
NAA Stndr Classfd as Nonattn:			
NAA Stndr Classfd Maintennc:			
Nonattain Pollutants in NAAs:			
Maintenance Pollutants NAAs:			
Within a Nonattaining NAA:			
Within a Maintenance NAA:			
Date of Last Inspection (EPA):			
Dt Last Inspection(State/Local):			
Days since Last Inspection:			
DFR URL:	https://echo.epa.gov/detailed-facility-report?fid=110027673765		

22	***19 of 23***	***WNW***	***0.35 / 1,847.99***	***236.49 / -23***	***UT MEDICAL GROUP*** ***MEMPHIS TN 38105***	***ECHO***

FRS ID:	110027733898	**Facility Latitude:**	35.151095
Fac EPA Region:	04	**Facility Longitude:**	-90.03412
Facility County:	SHELBY		

Facility Details - Data Download

Compliance Status:		**Federal?:**	
Active/Operating:		**Federal Agency Nam:**	
SNC?:	No	**SIC Codes:**	
Qtrs in NC?:		**NAICS Codes:**	
Formal Action Cnt:	0	**EJ Screen 80%:**	
Last Formal Action:		**Indian/Tribal?:**	N
Informal Count:	0	**Indian/Spatial?:**	No
Total Penalties:	0	**Tile Proxmty NPDES:**	
Penalty Count:		**Tile Proximity NPL:**	
Dt of Last Penalty:		**Tile Proximity RMP:**	
Last Penalty Amt:		**Tile Proximty TSDF:**	
Inspection Count:	0	**Tile O3:**	
Dt of Last Inspect:		**Tile PM:**	
RMP ID(s):		**Tile PCT Pre 1960:**	
EIS ID(s):		**Tile DPM:**	
SEMS IDs:		**Mapped:**	Yes
EPCRA Inspctns 5Yr:		**State County FIPS Cd:**	
FIFRA Inspctns 5Yr:		**County [FRS]:**	
NAA Stndr Classfd as Nonattn:			
NAA Stndr Classfd Maintennc:			
Nonattain Pollutants in NAAs:			
Maintenance Pollutants NAAs:			
Within a Nonattaining NAA:			
Within a Maintenance NAA:			
Date of Last Inspection (EPA):			
Dt Last Inspection(State/Local):			
Days since Last Inspection:			
DFR URL:	https://echo.epa.gov/detailed-facility-report?fid=110027733898		

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
22	20 of 23	WNW	0.35 / 1,847.99	236.49 / -23	FLEET SERVICES MEMPHIS TN 38105	ECHO

FRS ID: 110027710172
Fac EPA Region: 04
Facility County: SHELBY
Facility Latitude: 35.151095
Facility Longitude: -90.03412

Facility Details - Data Download

Compliance Status:
Active/Operating:
SNC?: No
Qtrs in NC?:
Formal Action Cnt: 0
Last Formal Action:
Informal Count: 0
Total Penalties: 0
Penalty Count:
Dt of Last Penalty:
Last Penalty Amt:
Inspection Count: 0
Dt of Last Inspect:
RMP ID(s):
EIS ID(s):
SEMS IDs:
EPCRA Inspctns 5Yr:
FIFRA Inspctns 5Yr:
NAA Stndr Classfd as Nonattn:
NAA Stndr Classfd Maintennc:
Nonattain Pollutants in NAAs:
Maintenance Pollutants NAAs:
Within a Nonattaining NAA:
Within a Maintenance NAA:
Date of Last Inspection (EPA):
Dt Last Inspection(State/Local):
Days since Last Inspection:
DFR URL: https://echo.epa.gov/detailed-facility-report?fid=110027710172

Federal?:
Federal Agency Nam:
SIC Codes:
NAICS Codes:
EJ Screen 80%:
Indian/Tribal?: N
Indian/Spatial?: No
Tile Proxmty NPDES:
Tile Proximity NPL:
Tile Proximity RMP:
Tile Proximty TSDF:
Tile O3:
Tile PM:
Tile PCT Pre 1960:
Tile DPM:
Mapped: Yes
State County FIPS Cd:
County [FRS]:

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
22	21 of 23	WNW	0.35 / 1,847.99	236.49 / -23	AUTO CHLOR SYSTEM MEMPHIS TN 38105	ECHO

FRS ID: 110027752732
Fac EPA Region: 04
Facility County: SHELBY
Facility Latitude: 35.151095
Facility Longitude: -90.03412

Facility Details - Data Download

Compliance Status:
Active/Operating:
SNC?: No
Qtrs in NC?:
Formal Action Cnt: 0
Last Formal Action:
Informal Count: 0
Total Penalties: 0
Penalty Count:
Dt of Last Penalty:
Last Penalty Amt:
Inspection Count: 0
Dt of Last Inspect:
RMP ID(s):
EIS ID(s):

Federal?:
Federal Agency Nam:
SIC Codes:
NAICS Codes:
EJ Screen 80%:
Indian/Tribal?: N
Indian/Spatial?: No
Tile Proxmty NPDES:
Tile Proximity NPL:
Tile Proximity RMP:
Tile Proximty TSDF:
Tile O3:
Tile PM:
Tile PCT Pre 1960:
Tile DPM:

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

SEMS IDs:		**Mapped:**	Yes
EPCRA Inspctns 5Yr:		**State County FIPS Cd:**	
FIFRA Inspctns 5Yr:		**County [FRS]:**	
NAA Stndr Classfd as Nonattn:			
NAA Stndr Classfd Maintennc:			
Nonattain Pollutants in NAAs:			
Maintenance Pollutants NAAs:			
Within a Nonattaining NAA:			
Within a Maintenance NAA:			
Date of Last Inspection (EPA):			
Dt Last Inspection(State/Local):			
Days since Last Inspection:			
DFR URL:	https://echo.epa.gov/detailed-facility-report?fid=110027752732		

22 **22 of 23** **WNW** **0.35 / 1,847.99** **236.49 / -23** **SCOTT S UNION 76** **ECHO**

MEMPHIS TN 38105

FRS ID:	110027637699	**Facility Latitude:**	35.151095
Fac EPA Region:	04	**Facility Longitude:**	-90.03412
Facility County:	SHELBY		

Facility Details - Data Download

Compliance Status:		**Federal?:**	
Active/Operating:		**Federal Agency Nam:**	
SNC?:	No	**SIC Codes:**	
Qtrs in NC?:		**NAICS Codes:**	
Formal Action Cnt:	0	**EJ Screen 80%:**	
Last Formal Action:		**Indian/Tribal?:**	N
Informal Count:	0	**Indian/Spatial?:**	No
Total Penalties:	0	**Tile Proxmty NPDES:**	
Penalty Count:		**Tile Proximity NPL:**	
Dt of Last Penalty:		**Tile Proximity RMP:**	
Last Penalty Amt:		**Tile Proximty TSDF:**	
Inspection Count:	0	**Tile O3:**	
Dt of Last Inspect:		**Tile PM:**	
RMP ID(s):		**Tile PCT Pre 1960:**	
EIS ID(s):		**Tile DPM:**	
SEMS IDs:		**Mapped:**	Yes
EPCRA Inspctns 5Yr:		**State County FIPS Cd:**	
FIFRA Inspctns 5Yr:		**County [FRS]:**	
NAA Stndr Classfd as Nonattn:			
NAA Stndr Classfd Maintennc:			
Nonattain Pollutants in NAAs:			
Maintenance Pollutants NAAs:			
Within a Nonattaining NAA:			
Within a Maintenance NAA:			
Date of Last Inspection (EPA):			
Dt Last Inspection(State/Local):			
Days since Last Inspection:			
DFR URL:	https://echo.epa.gov/detailed-facility-report?fid=110027637699		

22 **23 of 23** **WNW** **0.35 / 1,847.99** **236.49 / -23** **WATER SERVICE CENTER** **ECHO**

MEMPHIS TN 38105

FRS ID:	110027690498	**Facility Latitude:**	35.151095
Fac EPA Region:	04	**Facility Longitude:**	-90.03412
Facility County:	SHELBY		

Facility Details - Data Download

Compliance Status:		**Federal?:**	
Active/Operating:		**Federal Agency Nam:**	

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

SNC?:	No	**SIC Codes:**	
Qtrs in NC?:		**NAICS Codes:**	
Formal Action Cnt:	0	**EJ Screen 80%:**	
Last Formal Action:		**Indian/Tribal?:**	N
Informal Count:	0	**Indian/Spatial?:**	No
Total Penalties:	0	**Tile Proxmty NPDES:**	
Penalty Count:		**Tile Proximity NPL:**	
Dt of Last Penalty:		**Tile Proximity RMP:**	
Last Penalty Amt:		**Tile Proximty TSDF:**	
Inspection Count:	0	**Tile O3:**	
Dt of Last Inspect:		**Tile PM:**	
RMP ID(s):		**Tile PCT Pre 1960:**	
EIS ID(s):		**Tile DPM:**	
SEMS IDs:		**Mapped:**	Yes
EPCRA Inspctns 5Yr:		**State County FIPS Cd:**	
FIFRA Inspctns 5Yr:		**County [FRS]:**	
NAA Stndr Classfd as Nonattn:			
NAA Stndr Classfd Maintennc:			
Nonattain Pollutants in NAAs:			
Maintenance Pollutants NAAs:			
Within a Nonattaining NAA:			
Within a Maintenance NAA:			
Date of Last Inspection (EPA):			
Dt Last Inspection(State/Local):			
Days since Last Inspection:			
DFR URL:	https://echo.epa.gov/detailed-facility-report?fid=110027690498		

23	*1 of 1*	*ENE*	*0.38 / 1,981.92*	*259.13 / 0*	***TENNISON BROTHERS INC*** ***450 N BELLEVUE BLVD*** ***MEMPHIS TN 38104***	***ECHO***

FRS ID:	110004962498	**Facility Latitude:**	35.15182
Fac EPA Region:	04	**Facility Longitude:**	-90.01998
Facility County:	SHELBY		

Facility Details

Major Facility?:		**Air?:**	No
Active/Operating?:		**NPDES?:**	No
Compliance Status:	No Violation Identified	**SDWIS?:**	No
Signif Non Compl?:	N	**RCRA?:**	Yes
Programs with SNC:	0	**TRI?:**	No
Qtrs with NC:	0	**GHG?:**	No
3Yr Compliance Hist:	_____	**SIC Codes:**	
Formal Action Count:	0	**NAICS Codes:**	332322 44419
Last Formal Action:		**FIPS Code:**	47157
Last EPA Formal Act:		**Indian/Tribal?:**	No
Last State Formal Act:		**Federal ?:**	
Informal Count:	0	**Federal Agency:**	
Last Informal Action:		**Chesapeake Bay?:**	
Last EPA Informal A:		**NAA?:**	No
Last State Informal A:		**Coordinate Method:**	ADDRESS MATCHING-HOUSE NUMBER
Total Penalties:	0	**Reference Point:**	CENTER OF A FACILITY OR STATION
Penalty Count:		**Accuracy (Meters):**	30
Date of Last Penalty:		**Inspection Count:**	0
Last Penalty Amount:		**Last Inspection:**	
myRTK Universe:	NNN	**Last EPA Inspection:**	
Dschg Impair Water?:		**Last State Inspection:**	
EJ Screen 80%:	Yes	**Days Last Inspection:**	
DFR URL:	http://echo.epa.gov/detailed-facility-report?fid=110004962498		

Resource Conservation and Recovery Act (RCRA)

RCRA ID(s):	TND008053910	**Penalties:**	
Permit Types:	Other	**Last Penalty Date:**	
RCRA NAICS:	332322 44419	**Last Penalty Amt:**	

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Inspection Count:		**Qtrs with NC:**	0
Informal Count:		**Compliance Status:**	No Violation Identified
Formal Action Cnt:		**SNC ?:**	No
Days since Last Evaluation:			
Date of Last Formal Action:			
3Yr Compl Qtrs History:	_____		

Facility Details - Data Download

Compliance Status:	No Violation Identified	**Federal?:**	
Active/Operating:		**Federal Agency Nam:**	
SNC?:	No	**SIC Codes:**	
Qtrs in NC?:	0	**NAICS Codes:**	332322 44419
Formal Action Cnt:	0	**EJ Screen 80%:**	10
Last Formal Action:		**Indian/Tribal?:**	N
Informal Count:	0	**Indian/Spatial?:**	No
Total Penalties:	0	**Tile Proxmty NPDES:**	78.6
Penalty Count:		**Tile Proximity NPL:**	88.2
Dt of Last Penalty:		**Tile Proximity RMP:**	83
Last Penalty Amt:		**Tile Proximty TSDF:**	83.8
Inspection Count:	0	**Tile O3:**	83.9
Dt of Last Inspect:		**Tile PM:**	83.4
RMP ID(s):		**Tile PCT Pre 1960:**	96.3
EIS ID(s):		**Tile DPM:**	87
SEMS IDs:		**Mapped:**	Yes
EPCRA Inspctns 5Yr:		**State County FIPS Cd:**	47157
FIFRA Inspctns 5Yr:		**County [FRS]:**	SHELBY COUNTY
NAA Stndr Classfd as Nonattn:			
NAA Stndr Classfd Maintennc:	Carbon Monoxide (1971); 1-Hour Ozone (1979); 8-Hour Ozone (2008)		
Nonattain Pollutants in NAAs:			
Maintenance Pollutants NAAs:	Carbon Monoxide; Ozone		
Within a Nonattaining NAA:			
Within a Maintenance NAA:	Y		
Date of Last Inspection (EPA):			
Dt Last Inspection(State/Local):			
Days since Last Inspection:			
DFR URL:	https://echo.epa.gov/detailed-facility-report?fid=110004962498		

Resource Conservation and Recovery Act (RCRA) - Data Download

RCRA ID(s):	TND008053910	**Informal Count:**	
Permit Type(s):	Other	**Formal Action Cnt:**	
Inspection Count:		**Penalties:**	
Compliance Status:	No Violation Identified		

24	1 of 6	WSW	0.38 / 2,010.42	264.41 / 5	**BP STATION #767** **821 POPLAR AVE** **MEMPHIS TN 38105**	LUST TRUST

Facility ID:	9791083
Status:	Closed
Case No:	1
Paid Requested:	$1,144,109.35
Paid Payment:	$991,983.57
Paid Net Pay:	$1,011,983.58
Paid Deductible:	$20,000.00
Paid Net Not Negotiable:	$131,919.51
Applied Requested:	
Applied Payment:	
Applied Net Pay:	
Applied Deductible:	
Applied Not Negotiable:	

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
24	2 of 6	WSW	0.38 / 2,010.42	264.41 / 5	AMOCO STATION #767 821 POPLAR AVENUE MEMPHIS TN 38105	LUST

Facility ID: 9791083
Site No: 1
Current Status: 8 Case Closed
Cause: 7 Unknown
CAC Company: CMD ASSOCIATES, INC.
Owner Name: BP Products North America
Case Description: SSS ON HOLD ECOVAC

Product Released:
Discovery Date: DEC-06-1991
How Discovered:
County: Shelby

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
24	3 of 6	WSW	0.38 / 2,010.42	264.41 / 5	BP/AMOCO #18440 821 Poplar Avenue Memphis TN 38105	LUST

Facility ID: 9791083
Site No: 2
Current Status: 8 Case Closed
Cause:
CAC Company:
Owner Name: Georgia Commercial Stores, Inc.
Case Description: Suspected release

Product Released:
Discovery Date:
How Discovered: 2 Release Detection
County: Shelby

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
24	4 of 6	WSW	0.38 / 2,010.42	264.41 / 5	Poplar Avenue BP 821 Poplar Avenue Memphis TN 38105	LUST

Facility ID: 9791083
Site No: 3
Current Status: 1d Completed Line Closure
Cause:
CAC Company:
Owner Name:
Case Description:

Product Released:
Discovery Date:
How Discovered:
County: Shelby

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
24	5 of 6	WSW	0.38 / 2,010.42	264.41 / 5	Poplar Avenue BP 821 Poplar Avenue Memphis TN 38105	LUST

Facility ID: 9791083
Site No: 4
Current Status: 1a Completed Tank Closure
Cause:
CAC Company: SCS Environemtal Group, LLC
Owner Name:
Case Description: Tanks removal

Product Released:
Discovery Date:
How Discovered:
County: Shelby

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
24	6 of 6	WSW	0.38 / 2,010.42	264.41 / 5	AMOCO OIL SS# 767 821 POPLAR AVE MEMPHIS TN 38105	ECHO

FRS ID: 110004994846
Fac EPA Region: 04
Facility County: SHELBY

Facility Latitude: 35.14557
Facility Longitude: -90.03316

Facility Details

Major Facility?:
Active/Operating?:

Air?: No
NPDES?: No

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Compliance Status:	No Violation Identified	**SDWIS?:**	No
Signif Non Compl?:	N	**RCRA?:**	Yes
Programs with SNC:	0	**TRI?:**	No
Qtrs with NC:	0	**GHG?:**	No
3Yr Compliance Hist:	_____	**SIC Codes:**	
Formal Action Count:	0	**NAICS Codes:**	454319 811198
Last Formal Action:		**FIPS Code:**	47157
Last EPA Formal Act:		**Indian/Tribal?:**	No
Last State Formal Act:		**Federal ?:**	
Informal Count:	0	**Federal Agency:**	
Last Informal Action:		**Chesapeake Bay?:**	
Last EPA Informal A:		**NAA?:**	No
Last State Informal A:		**Coordinate Method:**	ADDRESS MATCHING-HOUSE NUMBER
Total Penalties:	0	**Reference Point:**	CENTER OF A FACILITY OR STATION
Penalty Count:		**Accuracy (Meters):**	30
Date of Last Penalty:		**Inspection Count:**	0
Last Penalty Amount:		**Last Inspection:**	
myRTK Universe:	NNN	**Last EPA Inspection:**	
Dschg Impair Water?:		**Last State Inspection:**	
EJ Screen 80%:	Yes	**Days Last Inspection:**	

DFR URL: http://echo.epa.gov/detailed-facility-report?fid=110004994846

Resource Conservation and Recovery Act (RCRA)

RCRA ID(s):	TND987780459	**Penalties:**	
Permit Types:	Other	**Last Penalty Date:**	
RCRA NAICS:	811198 454319	**Last Penalty Amt:**	
Inspection Count:		**Qtrs with NC:**	0
Informal Count:		**Compliance Status:**	No Violation Identified
Formal Action Cnt:		**SNC ?:**	No
Days since Last Evaluation:			
Date of Last Formal Action:			
3Yr Compl Qtrs History:	_____		

Facility Details - Data Download

Compliance Status:	No Violation Identified	**Federal?:**	
Active/Operating:		**Federal Agency Nam:**	
SNC?:	No	**SIC Codes:**	
Qtrs in NC?:	0	**NAICS Codes:**	454319 811198
Formal Action Cnt:	0	**EJ Screen 80%:**	11
Last Formal Action:		**Indian/Tribal?:**	N
Informal Count:	0	**Indian/Spatial?:**	No
Total Penalties:	0	**Tile Proxmty NPDES:**	86
Penalty Count:		**Tile Proximity NPL:**	91
Dt of Last Penalty:		**Tile Proximity RMP:**	81.7
Last Penalty Amt:		**Tile Proximty TSDF:**	89.6
Inspection Count:	0	**Tile O3:**	89.7
Dt of Last Inspect:		**Tile PM:**	89.1
RMP ID(s):		**Tile PCT Pre 1960:**	96.5
EIS ID(s):		**Tile DPM:**	93.7
SEMS IDs:		**Mapped:**	Yes
EPCRA Inspctns 5Yr:		**State County FIPS Cd:**	47157
FIFRA Inspctns 5Yr:		**County [FRS]:**	SHELBY COUNTY

NAA Stndr Classfd as Nonattn:	
NAA Stndr Classfd Maintennc:	Carbon Monoxide (1971); 1-Hour Ozone (1979); 8-Hour Ozone (2008)
Nonattain Pollutants in NAAs:	
Maintenance Pollutants NAAs:	Carbon Monoxide; Ozone
Within a Nonattaining NAA:	
Within a Maintenance NAA:	Y
Date of Last Inspection (EPA):	
Dt Last Inspection(State/Local):	
Days since Last Inspection:	
DFR URL:	https://echo.epa.gov/detailed-facility-report?fid=110004994846

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Resource Conservation and Recovery Act (RCRA) - Data Download

RCRA ID(s):	TND987780459	***Informal Count:***	
Permit Type(s):	Other	***Formal Action Cnt:***	
Inspection Count:		***Penalties:***	
Compliance Status:	No Violation Identified		

25	*1 of 1*	*WNW*	*0.41 / 2,156.04*	*232.33 / -27*	***PERLMAN F & CO INC*** ***476 NORTH MANASSAS*** ***MEMPHIS TN 38101***	***ECHO***

FRS ID:	110004967484	***Facility Latitude:***	35.15311
Fac EPA Region:	04	***Facility Longitude:***	-90.03383
Facility County:	SHELBY		

Facility Details

Major Facility?:		***Air?:***	No
Active/Operating?:		***NPDES?:***	No
Compliance Status:	No Violation Identified	***SDWIS?:***	No
Signif Non Compl?:	N	***RCRA?:***	Yes
Programs with SNC:	0	***TRI?:***	No
Qtrs with NC:	0	***GHG?:***	No
3Yr Compliance Hist:	_____	***SIC Codes:***	
Formal Action Count:	0	***NAICS Codes:***	42193
Last Formal Action:		***FIPS Code:***	47157
Last EPA Formal Act:		***Indian/Tribal?:***	No
Last State Formal Act:		***Federal ?:***	
Informal Count:	0	***Federal Agency:***	
Last Informal Action:		***Chesapeake Bay?:***	
Last EPA Informal A:		***NAA?:***	No
Last State Informal A:		***Coordinate Method:***	ADDRESS MATCHING-HOUSE NUMBER
Total Penalties:	0	***Reference Point:***	CENTER OF A FACILITY OR STATION
Penalty Count:		***Accuracy (Meters):***	30
Date of Last Penalty:		***Inspection Count:***	0
Last Penalty Amount:		***Last Inspection:***	02/21/1985
myRTK Universe:	NNN	***Last EPA Inspection:***	
Dschg Impair Water?:		***Last State Inspection:***	02/21/1985
EJ Screen 80%:	Yes	***Days Last Inspection:***	13226
DFR URL:	http://echo.epa.gov/detailed-facility-report?fid=110004967484		

Resource Conservation and Recovery Act (RCRA)

RCRA ID(s):	TND049985716	***Penalties:***	
Permit Types:	Other	***Last Penalty Date:***	
RCRA NAICS:	42193	***Last Penalty Amt:***	
Inspection Count:		***Qtrs with NC:***	0
Informal Count:		***Compliance Status:***	No Violation Identified
Formal Action Cnt:		***SNC ?:***	No
Days since Last Evaluation:	13225		
Date of Last Formal Action:			
3Yr Compl Qtrs History:	_____		

Facility Details - Data Download

Compliance Status:	No Violation Identified	***Federal?:***	
Active/Operating:		***Federal Agency Nam:***	
SNC?:	No	***SIC Codes:***	
Qtrs in NC?:	0	***NAICS Codes:***	42193
Formal Action Cnt:	0	***EJ Screen 80%:***	11
Last Formal Action:		***Indian/Tribal?:***	N
Informal Count:	0	***Indian/Spatial?:***	No
Total Penalties:	0	***Tile Proxmty NPDES:***	86
Penalty Count:		***Tile Proximity NPL:***	91

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Dt of Last Penalty:		**Tile Proximity RMP:**	81.7
Last Penalty Amt:		**Tile Proximty TSDF:**	89.6
Inspection Count:	0	**Tile O3:**	89.7
Dt of Last Inspect:	02/21/1985	**Tile PM:**	89.1
RMP ID(s):		**Tile PCT Pre 1960:**	96.5
EIS ID(s):		**Tile DPM:**	93.7
SEMS IDs:		**Mapped:**	Yes
EPCRA Inspctns 5Yr:		**State County FIPS Cd:**	47157
FIFRA Inspctns 5Yr:		**County [FRS]:**	SHELBY COUNTY

NAA Stndr Classfd as Nonattn:
NAA Stndr Classfd Maintennc: Carbon Monoxide (1971); 1-Hour Ozone (1979); 8-Hour Ozone (2008)
Nonattain Pollutants in NAAs:
Maintenance Pollutants NAAs: Carbon Monoxide; Ozone
Within a Nonattaining NAA:
Within a Maintenance NAA: Y
Date of Last Inspection (EPA):
Dt Last Inspection(State/Local): 02/21/1985
Days since Last Inspection: 13225
DFR URL: https://echo.epa.gov/detailed-facility-report?fid=110004967484

Resource Conservation and Recovery Act (RCRA) - Data Download

RCRA ID(s):	TND049985716	**Informal Count:**	
Permit Type(s):	Other	**Formal Action Cnt:**	
Inspection Count:		**Penalties:**	
Compliance Status:	No Violation Identified		

26	1 of 1	NW	0.41 / 2,170.65	237.19 / -22	ST. JUDE PARKING LOT PARKING LOT ADJACENT TO 757 GALLOWAY AVE MEMPHIS TN 38105	ECHO

FRS ID:	110070256407	**Facility Latitude:**	35.153887
Fac EPA Region:	04	**Facility Longitude:**	-90.032944
Facility County:			

Facility Details

Major Facility?:		**Air?:**	No
Active/Operating?:	Y	**NPDES?:**	Yes
Compliance Status:	No Violation Identified	**SDWIS?:**	No
Signif Non Compl?:	N	**RCRA?:**	No
Programs with SNC:	0	**TRI?:**	No
Qtrs with NC:	0	**GHG?:**	No
3Yr Compliance Hist:	_____U_____	**SIC Codes:**	
Formal Action Count:	0	**NAICS Codes:**	
Last Formal Action:		**FIPS Code:**	47157
Last EPA Formal Act:		**Indian/Tribal?:**	No
Last State Formal Act:		**Federal ?:**	
Informal Count:	0	**Federal Agency:**	
Last Informal Action:		**Chesapeake Bay?:**	
Last EPA Informal A:		**NAA?:**	No
Last State Informal A:		**Coordinate Method:**	ADDRESS MATCHING-HOUSE NUMBER
Total Penalties:	0	**Reference Point:**	ENTRANCE POINT OF A FACILITY OR STATION
Penalty Count:		**Accuracy (Meters):**	50
Date of Last Penalty:		**Inspection Count:**	0
Last Penalty Amount:		**Last Inspection:**	
myRTK Universe:	NNN	**Last EPA Inspection:**	
Dschg Impair Water?:	Y	**Last State Inspection:**	
EJ Screen 80%:	Yes	**Days Last Inspection:**	
DFR URL:	http://echo.epa.gov/detailed-facility-report?fid=110070256407		

Clean Water Act (CWA)

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

NPDES ID(s): TNR154602 TNR154728
Permit Types: Minor
Compliance Trcking: On
CWA NAICS:
CWA SICS:
Inspection Count:
Informal Count:
Formal Action Count:
Days since Last Inspection:
Date of Last Formal Action:
13Qtrs Compl History: _____U_____
13Qtrs Effint Exceedances:

Penalties:
Last Penalty Date:
Last Penalty Amt:
Qtrs With NC: 0
Compliance Status: No Violation Identified
SNC ?: No
3Yr QNCR Codes:

Facility Details - Data Download

Compliance Status: No Violation Identified
Active/Operating: Y
SNC?: No
Qtrs in NC?: 0
Formal Action Cnt: 0
Last Formal Action:
Informal Count: 0
Total Penalties: 0
Penalty Count:
Dt of Last Penalty:
Last Penalty Amt:
Inspection Count: 0
Dt of Last Inspect:
RMP ID(s):
EIS ID(s):
SEMS IDs:
EPCRA Inspctns 5Yr:
FIFRA Inspctns 5Yr:
NAA Stndr Classfd as Nonattn:
NAA Stndr Classfd Maintennc: Carbon Monoxide (1971); 1-Hour Ozone (1979); 8-Hour Ozone (2008)
Nonattain Pollutants in NAAs:
Maintenance Pollutants NAAs: Carbon Monoxide; Ozone
Within a Nonattaining NAA:
Within a Maintenance NAA: Y
Date of Last Inspection (EPA):
Dt Last Inspection(State/Local):
Days since Last Inspection:
DFR URL: https://echo.epa.gov/detailed-facility-report?fid=110070256407

Federal?:
Federal Agency Nam:
SIC Codes:
NAICS Codes:
EJ Screen 80%: 11
Indian/Tribal?: N
Indian/Spatial?: No
Tile Proxmty NPDES: 86
Tile Proximity NPL: 91
Tile Proximity RMP: 81.7
Tile Proximty TSDF: 89.6
Tile O3: 89.7
Tile PM: 89.1
Tile PCT Pre 1960: 96.5
Tile DPM: 93.7
Mapped: Yes
State County FIPS Cd: 47157
County [FRS]: SHELBY COUNTY

Clean Water Act - Data Download

NPDES ID(s): TNR154602 TNR154728
Permit Types: Minor
Inspection Count:
Informal Count:

Formal Action Cnt:
Penalties:
Compliance Status: No Violation Identified

27	1 of 1	WNW	0.41 / 2,181.95	231.04 / -28	CITY OF MEMPHIS/SIGNS AND MARKINGS 435 MANASSAS MEMPHIS TN 38105	ECHO

FRS ID: 110004953220
Fac EPA Region: 04
Facility County: SHELBY

Facility Latitude: 35.1528
Facility Longitude: -90.03387

Facility Details

Major Facility?:
Active/Operating?:
Compliance Status: No Violation Identified

Air?: No
NPDES?: No
SDWIS?: No

Signif Non Compl?:	N	**RCRA?:**	Yes
Programs with SNC:	0	**TRI?:**	No
Qtrs with NC:	0	**GHG?:**	No
3Yr Compliance Hist:	_____	**SIC Codes:**	
Formal Action Count:	0	**NAICS Codes:**	92512
Last Formal Action:		**FIPS Code:**	47157
Last EPA Formal Act:		**Indian/Tribal?:**	No
Last State Formal Act:		**Federal ?:**	
Informal Count:	0	**Federal Agency:**	
Last Informal Action:		**Chesapeake Bay?:**	
Last EPA Informal A:		**NAA?:**	No
Last State Informal A:		**Coordinate Method:**	ADDRESS MATCHING-HOUSE NUMBER
Total Penalties:	0	**Reference Point:**	CENTER OF A FACILITY OR STATION
Penalty Count:		**Accuracy (Meters):**	30
Date of Last Penalty:		**Inspection Count:**	0
Last Penalty Amount:		**Last Inspection:**	05/08/2003
myRTK Universe:	NNN	**Last EPA Inspection:**	
Dschg Impair Water?:		**Last State Inspection:**	05/08/2003
EJ Screen 80%:	Yes	**Days Last Inspection:**	6576
DFR URL:	http://echo.epa.gov/detailed-facility-report?fid=110004953220		

Resource Conservation and Recovery Act (RCRA)

RCRA ID(s):	TN0000918946	**Penalties:**	
Permit Types:	Other	**Last Penalty Date:**	
RCRA NAICS:	92512	**Last Penalty Amt:**	
Inspection Count:		**Qtrs with NC:**	0
Informal Count:		**Compliance Status:**	No Violation Identified
Formal Action Cnt:		**SNC ?:**	No
Days since Last Evaluation:	6575		
Date of Last Formal Action:			
3Yr Compl Qtrs History:	_____		

Facility Details - Data Download

Compliance Status:	No Violation Identified	**Federal?:**	
Active/Operating:		**Federal Agency Nam:**	
SNC?:	No	**SIC Codes:**	
Qtrs in NC?:	0	**NAICS Codes:**	92512
Formal Action Cnt:	0	**EJ Screen 80%:**	11
Last Formal Action:		**Indian/Tribal?:**	N
Informal Count:	0	**Indian/Spatial?:**	No
Total Penalties:	0	**Tile Proxmty NPDES:**	86
Penalty Count:		**Tile Proximity NPL:**	91
Dt of Last Penalty:		**Tile Proximity RMP:**	81.7
Last Penalty Amt:		**Tile Proximty TSDF:**	89.6
Inspection Count:	0	**Tile O3:**	89.7
Dt of Last Inspect:	05/08/2003	**Tile PM:**	89.1
RMP ID(s):		**Tile PCT Pre 1960:**	96.5
EIS ID(s):		**Tile DPM:**	93.7
SEMS IDs:		**Mapped:**	Yes
EPCRA Inspctns 5Yr:		**State County FIPS Cd:**	47157
FIFRA Inspctns 5Yr:		**County [FRS]:**	SHELBY COUNTY
NAA Stndr Classfd as Nonattn:			
NAA Stndr Classfd Maintennc:	Carbon Monoxide (1971); 1-Hour Ozone (1979); 8-Hour Ozone (2008)		
Nonattain Pollutants in NAAs:			
Maintenance Pollutants NAAs:	Carbon Monoxide; Ozone		
Within a Nonattaining NAA:			
Within a Maintenance NAA:	Y		
Date of Last Inspection (EPA):			
Dt Last Inspection(State/Local):	05/08/2003		
Days since Last Inspection:	6575		
DFR URL:	https://echo.epa.gov/detailed-facility-report?fid=110004953220		

Resource Conservation and Recovery Act (RCRA) - Data Download

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

RCRA ID(s): TN0000918946
Permit Type(s): Other
Inspection Count:
Compliance Status: No Violation Identified
Informal Count:
Formal Action Cnt:
Penalties:

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28 | **1 of 7** | **SSE** | **0.42 / 2,243.43** | **266.30 / 7** | **VA MEDICAL CENTER**
1030 JEFFERSON AVENUE
Memphis TN 38104 | **LUST**

Facility ID: 790807
Site No: 1
Current Status: 1a Completed Tank Closure
Cause:
CAC Company:
Owner Name: VA MEDICAL CENTER
Case Description:
Product Released:
Discovery Date:
How Discovered:
County: Shelby

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28 | **2 of 7** | **SSE** | **0.42 / 2,243.43** | **266.30 / 7** | **VA MEDICAL CENTER**
1030 JEFFERSON AVENUE
MEMPHIS TN 38104 | **SEMS**

EPA ID: TNN000410932
NPL:
Federal Facility:
Non NPL Status:
SuperF Alt Agrmnt:
Site Name: VA MEDICAL CENTER
Street Address: 1030 JEFFERSON AVENUE
Street Address 2:
City: MEMPHIS
State: TN
Zip: 38104
County: SHELBY
Latitude:
Longitude:
Region:
Cong District:
FIPS Code:
Pgm Sys ID: TNN000410932
Primary Name(MAP): MEMPHIS VA MEDICAL CENTER
Loc Address(MAP): 1030 JEFFERSON AVE
City Name: MEMPHIS
Postal Code: 38104
County Name: SHELBY
Latitude83: 35.14246
Longitude83: -90.0254
PGM SYS ID: TNN000410932
Name(CalOES): MEMPHIS VA MEDICAL CENTER
Loc Addr(CalOES): 1030 JEFFERSON AVE
City: MEMPHIS
Postal: 38104
County: SHELBY
Latitude83: 35.14246
Longitude83: -90.0254
Data Source: EPA Superfund Data and Reports Active Site Inventory (List 8R Active); EPA FRS Interests Map - SEMS; CalOES EPA RCRA TSDF Map - SEMS

Site Level Information

Site ID: 0410932
NPL: Not on the NPL
Federal Facility: Yes
FF Docket: Yes
Non NPL Status: Fed Fac Preliminary Assessment Review Start Needed
Superfund Alt Agmt: No
FIPS Code: 47157
Cong District:
Region: 04

Action Information

Operable Units: 00
Action Code: DS
Action Name: DISCVRY
SEQ: 1
Start Actual: 01/31/2013
Finish Actual: 01/31/2013
Qual:
Curr Action Lead: EPA Perf In-Hse

REST Information

Registry ID: 110009445948
Active Status: NOT ON THE NPL
Key Field: SEMSTNN000410932
Interest Type: SUPERFUND (NON-NPL)
Pgm Sys Acrnm: SEMS
Accuracy Value: 30
HUC8 Code: 08010210
HUC 12:

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Fed Agency Name:
Fed Facility Code:
EPA Region Code: 04
Federal Land Ind:
Public Ind: Y
Pgm Report: no data yet
Collect Mth Desc: ADDRESS MATCHING-HOUSE NUMBER
Ref Point Desc: CENTER OF A FACILITY OR STATION
Fac Url: https://ofmpub.epa.gov/frs_public2/fii_query_detail.disp_program_facility?p_registry_id=110009445948
Program Url:
Pgm Report Url: no data yet
Fips Code: 47157

CalOES EPA RCRA TSDF - SEMS

Registry ID: 110009445948
Interest Ttpe: SUPERFUND (NON-NPL)
Active Status: NOT ON THE NPL
Pgm Sys Acrnm: SEMS
Federal Ag:
Federal La:
Fed Facility Cd:
Public Ind: Y
FIPS Code: 47157
HUC8 Code: 08010210
HUC 12:
Collect Method: ADDRESS MATCHING-HOUSE NUMBER
Accuracy Value: 30
Ref Point Desc: CENTER OF A FACILITY OR STATION
EPA Region: 04
Key Field: SEMSTNN000410932
Create Dt: 26-Oct-2021
Update Dt: 24-Nov-2021
Last Reported Dt:
Pgm Report: no data yet
Program Url:
Fac Url: https://ofmpub.epa.gov/frs_public2/fii_query_detail.disp_program_facility?p_registry_id=110009445948

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
28	3 of 7	SSE	0.42 / 2,243.43	266.30 / 7	VA MEDICAL CENTER 1030 JEFFERSON AVE MEMPHIS TN 38104	BRS

Handler ID: TN0360016166
Receive Date: 20150301
Land Type: F
Land Type Desc: Federal
Fed Waste Generator: 1
State Identification Number:
State Waste Generator: 1
Short Term Generator: No
Mixed Waste Generator: No
Importer Activity: No
Transporter: No
Transfer Facility: No
TSD Activity: No
Recycler Activity: No
HW Report Exempt Status:
HW Report Exmp Stat Dsc:
Source Reduction Activity:
Opportunity Assessment:
Generator Status Owner:
Onsite Burner Exemption: No
Furnace Exemption: No
Undergrnd Injection Activity: No
Off Site Receipt: No
Universal Waste Dest Fac: No
Used Oil Transporter: No
Used Oil Transfer Facility: No
Used Oil Processor: No
Used Oil Refiner: No
Used Oil Burner: No
Used Oil Market Burner: No
Used Oil Spec Marketer: No
Subpart K College: No
Subpart K Hospital: No
Subpart K Nonprofit: No
Subpart K Withdrawal: No
Include In National Report: Yes
Submittal Reason:

Submittal Reason Desc:	
Generator Activity:	
Generator Activity Desc:	
Man Batteries:	
Man Pesticides:	
Man Mercury Equip:	
Man Lamps:	
Source Type:	
Lrg Qntity Gen of Batteries:	
Lrg Qntity Accum of Batter:	
Lrg Qntity Gen of Pesticid:	
Lrg Qntity Accum of Pestic:	
Lrg Qntity Gen of Thermost:	
Lrg Qnt Accum of Thermo:	
Large Qntity Gen of Lamps:	
Large Qntity Accum Lamps:	
Waste Mng Storage Desc:	
Storage Status Owner:	
On-Site Waste Management Status RCRA1:	
Waste Manage Status Dsc:	
Management Status Owner:	
Waste Management Status Storage:	
On-Site Waste Management Status RCRA2:	
Mngmnt Status Owner2:	
Reporting Cycle Year:	
Waste State:	
Waste Region:	
County Code:	TN000
County Name:	OUT-OF-STATE
Location Country:	US
State District:	
Mail Street No:	1030
Mail Street1:	JEFFERSON AVE
Mail Street2:	
Mail City:	MEMPHIS
Mail State:	TN
Mail Zip:	38104
Mail Country:	US
Contact First Name:	SANDY
Contact Middle Initial:	K
Contact Last Name:	DICKEY
Contact Street No:	1030
Contact Street1:	JEFFERSON AVENUE
Contact Street2:	
Contact City:	MEMPHIS
Contact State:	TN
Contact Zip:	38104
Contact Country:	US
Contact Phone:	615-339-3539`
Contact Phone Ext:	
Contact Fax:	901-577-7291
Contact Title:	GEMS PROGRAM MANAGER
Contact Email:	SANDY.DICKEY@VA.GOV
File Name:	Year-2015
Notes:	

--Details--

Cert Seq:	1
Cert Signed Date:	20160201
Cert Title:	GEMS PROGRAM MANAGER
Cert First Name:	SANDY
Cert Middle Initial:	D
Cert Last Name:	DICKEY
Rsn for not Generating 1:	
Rsn for not Generating 2:	

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Rsn for not Generating 3:
Rsn for not Generating 4:
Rsn for not Generating 5:
Rsn for not Generating 6:
Rsn for not Generating 7:
Src Reduction Lmtation 1:
Src Reduction Lmtation 2:
Src Reduction Lmtation 3:
Src Reduction Lmtation 4:
Src Reduction Lmtation 5:
Src Reduction Lmtation 6:
Src Reduction Lmtation 7:
Src Reduction Lmtation 8:
Src Reduction Lmtation 9:
Src Reduction Lmtation10:
Recycling Limitations 1:
Recycling Limitations 2:
Recycling Limitations 3:
Recycling Limitations 4:
Recycling Limitations 5:
Recycling Limitations 6:
Recycling Limitations 7:
Recycling Limitations 8:
Recycling Limitations 9:
Recycling Limitations 10:
Recycling Limitations 11:
Recycling Limitations 12:
Recycling Limitations 13:
Recycling Limitations 14:
Recycling Limitations 15:

28	*4 of 7*	*SSE*	*0.42 / 2,243.43*	*266.30 / 7*	***MEMPHIS VA MEDICAL CENTER*** ***1030 JEFFERSON AVE*** ***MEMPHIS TN 38104***	*ECHO*

FRS ID:	110009445948	***Facility Latitude:***	35.14246
Fac EPA Region:	04	***Facility Longitude:***	-90.0254
Facility County:	SHELBY		

Facility Details

Major Facility?:		***Air?:***	Yes
Active/Operating?:	Y	***NPDES?:***	No
Compliance Status:	Significant Violation	***SDWIS?:***	No
Signif Non Compl?:	N	***RCRA?:***	Yes
Programs with SNC:	1	***TRI?:***	No
Qtrs with NC:	10	***GHG?:***	No
3Yr Compliance Hist:	__VSSSSSSSSS	***SIC Codes:***	8062
Formal Action Count:	1	***NAICS Codes:***	622110
Last Formal Action:	02/05/2021	***FIPS Code:***	47157
Last EPA Formal Act:	02/05/2021	***Indian/Tribal?:***	No
Last State Formal Act:	07/06/2011	***Federal ?:***	Y
Informal Count:	2	***Federal Agency:***	Veterans Affairs: not otherwise classified
Last Informal Action:	06/04/2019	***Chesapeake Bay?:***	
Last EPA Informal A:	06/04/2019	***NAA?:***	No
Last State Informal A:	05/10/2019	***Coordinate Method:***	ADDRESS MATCHING-HOUSE NUMBER
Total Penalties:	42720	***Reference Point:***	CENTER OF A FACILITY OR STATION
Penalty Count:	1	***Accuracy (Meters):***	30
Date of Last Penalty:	02/05/2021	***Inspection Count:***	2
Last Penalty Amount:	42720	***Last Inspection:***	03/26/2019
myRTK Universe:	NNY	***Last EPA Inspection:***	03/26/2019
Dschg Impair Water?:		***Last State Inspection:***	03/26/2019
EJ Screen 80%:	Yes	***Days Last Inspection:***	775

DFR URL: http://echo.epa.gov/detailed-facility-report?fid=110009445948

Clean Air Act (CAA)

High Priorty Viol?: No
Compliance Status: No Violation Identified
Qtrs with NC: 0
Formal Action Cnt:
CAA NAICS: 622110
CAA SICS: 8062
AIR ID(s): TNSHL0004715700436
CO2 Releases: Minor Emissions
3Yr Compl Qtrs History: _____
Date of Last Formal Action:
Days SInce Last Evaluation:

Evaluation Count:
Informal Count:
Penalties:
Dt of Last Penalty:
Last Penalty Amt:

Resource Conservation and Recovery Act (RCRA)

RCRA ID(s): TN0360016166
Permit Types: LQG
RCRA NAICS: 622110
Inspection Count: 2
Informal Count: 2
Formal Action Cnt:
Days since Last Evaluation: 774
Date of Last Formal Action: 07/06/2011
3Yr Compl Qtrs History: __VSSSSSSSSS

Penalties:
Last Penalty Date: 07/06/2011
Last Penalty Amt: 13000
Qtrs with NC: 10
Compliance Status: Significant Noncomplier
SNC ?: Yes

Federal Enforcement and Compliance (FEC)

FEC Case IDS: 04-2008-5250 04-2020-2120
No. of Cases: 1
Last Case Date: 02/05/2021
Total Penalties: 42720

Facility Details - Data Download

Compliance Status: Significant Violation
Active/Operating: Y
SNC?: Yes
Qtrs in NC?: 10
Formal Action Cnt: 1
Last Formal Action: 02/05/2021
Informal Count: 2
Total Penalties: 42720
Penalty Count: 1
Dt of Last Penalty: 02/05/2021
Last Penalty Amt: 42720
Inspection Count: 2
Dt of Last Inspect: 03/26/2019
RMP ID(s):
EIS ID(s):
SEMS IDs: TNN000410932
EPCRA Inspctns 5Yr:
FIFRA Inspctns 5Yr:

Federal?: Y
Federal Agency Nam: Veterans Affairs: not otherwise classified
SIC Codes: 8062
NAICS Codes: 622110
EJ Screen 80%: 7
Indian/Tribal?: N
Indian/Spatial?: No
Tile Proxmty NPDES: 73.4
Tile Proximity NPL: 87
Tile Proximity RMP: 75.6
Tile Proximty TSDF: 89.5
Tile O3: 78.9
Tile PM: 78.6
Tile PCT Pre 1960: 86.7
Tile DPM: 86.5
Mapped: Yes
State County FIPS Cd: 47157
County [FRS]: SHELBY COUNTY

NAA Stndr Classfd as Nonattn:
NAA Stndr Classfd Maintennc: Carbon Monoxide (1971); 1-Hour Ozone (1979); 8-Hour Ozone (2008)
Nonattain Pollutants in NAAs:
Maintenance Pollutants NAAs: Carbon Monoxide; Ozone
Within a Nonattaining NAA:
Within a Maintenance NAA: Y
Date of Last Inspection (EPA): 03/26/2019
Dt Last Inspection(State/Local): 03/26/2019
Days since Last Inspection: 774
DFR URL: https://echo.epa.gov/detailed-facility-report?fid=110009445948

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Clean Air Act - Data Download

AIR ID(s):	TNSHL0004715700436	***Compliance Status:***	No Violation Identified
CAMD ID(s):		***Penalties:***	
Permit Types:	Minor Emissions	***Evaluation Count:***	
Formal Action Cnt:		***Informal Count:***	

Resource Conservation and Recovery Act (RCRA) - Data Download

RCRA ID(s):	TN0360016166	***Informal Count:***	2
Permit Type(s):	LQG	***Formal Action Cnt:***	
Inspection Count:	2	***Penalties:***	
Compliance Status:	Significant Noncomplier		

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28 | ***5 of 7*** | ***SSE*** | ***0.42 / 2,243.43*** | ***266.30 / 7*** | ***MEMPHIS VA MEDICAL CENTER***
1030 JEFFERSON AVENUE
MEMPHIS TN 38104 | ***ECHO***

FRS ID:	110070383112	***Facility Latitude:***	35.14246
Fac EPA Region:	04	***Facility Longitude:***	-90.0254
Facility County:	SHELBY		

Facility Details

Major Facility?:		***Air?:***	No
Active/Operating?:	Y	***NPDES?:***	Yes
Compliance Status:	No Violation Identified	***SDWIS?:***	No
Signif Non Compl?:	N	***RCRA?:***	No
Programs with SNC:	0	***TRI?:***	No
Qtrs with NC:	0	***GHG?:***	No
3Yr Compliance Hist:	_____	***SIC Codes:***	
Formal Action Count:	0	***NAICS Codes:***	
Last Formal Action:		***FIPS Code:***	47157
Last EPA Formal Act:		***Indian/Tribal?:***	No
Last State Formal Act:		***Federal ?:***	
Informal Count:	0	***Federal Agency:***	
Last Informal Action:		***Chesapeake Bay?:***	
Last EPA Informal A:		***NAA?:***	No
Last State Informal A:		***Coordinate Method:***	ADDRESS MATCHING-HOUSE NUMBER
Total Penalties:	0	***Reference Point:***	CENTER OF A FACILITY OR STATION
Penalty Count:		***Accuracy (Meters):***	30
Date of Last Penalty:		***Inspection Count:***	0
Last Penalty Amount:		***Last Inspection:***	
myRTK Universe:	NNN	***Last EPA Inspection:***	
Dschg Impair Water?:	Y	***Last State Inspection:***	
EJ Screen 80%:	Yes	***Days Last Inspection:***	
DFR URL:	http://echo.epa.gov/detailed-facility-report?fid=110070383112		

Clean Water Act (CWA)

NPDES ID(s):	TNR154655	***Penalties:***	
Permit Types:	Minor	***Last Penalty Date:***	
Compliance Trcking:	On	***Last Penalty Amt:***	
CWA NAICS:		***Qtrs With NC:***	0
CWA SICS:		***Compliance Status:***	No Violation Identified
Inspection Count:		***SNC ?:***	No
Informal Count:		***3Yr QNCR Codes:***	
Formal Action Count:			
Days since Last Inspection:			
Date of Last Formal Action:			
13Qtrs Compl History:	_____		
13Qtrs Effint Exceedances:			

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Facility Details - Data Download

Compliance Status:	No Violation Identified	***Federal?:***	
Active/Operating:	Y	***Federal Agency Nam:***	
SNC?:	No	***SIC Codes:***	
Qtrs in NC?:	0	***NAICS Codes:***	
Formal Action Cnt:	0	***EJ Screen 80%:***	7
Last Formal Action:		***Indian/Tribal?:***	N
Informal Count:	0	***Indian/Spatial?:***	No
Total Penalties:	0	***Tile Proxmty NPDES:***	73.4
Penalty Count:		***Tile Proximity NPL:***	87
Dt of Last Penalty:		***Tile Proximity RMP:***	75.6
Last Penalty Amt:		***Tile Proximty TSDF:***	89.5
Inspection Count:	0	***Tile O3:***	78.9
Dt of Last Inspect:		***Tile PM:***	78.6
RMP ID(s):		***Tile PCT Pre 1960:***	86.7
EIS ID(s):		***Tile DPM:***	86.5
SEMS IDs:		***Mapped:***	Yes
EPCRA Inspctns 5Yr:		***State County FIPS Cd:***	47157
FIFRA Inspctns 5Yr:		***County [FRS]:***	SHELBY COUNTY
NAA Stndr Classfd as Nonattn:			
NAA Stndr Classfd Maintennc:	Carbon Monoxide (1971); 1-Hour Ozone (1979); 8-Hour Ozone (2008)		
Nonattain Pollutants in NAAs:			
Maintenance Pollutants NAAs:	Carbon Monoxide; Ozone		
Within a Nonattaining NAA:			
Within a Maintenance NAA:	Y		
Date of Last Inspection (EPA):			
Dt Last Inspection(State/Local):			
Days since Last Inspection:			
DFR URL:	https://echo.epa.gov/detailed-facility-report?fid=110070383112		

Clean Water Act - Data Download

NPDES ID(s):	TNR154655	***Formal Action Cnt:***	
Permit Types:	Minor	***Penalties:***	
Inspection Count:		***Compliance Status:***	No Violation Identified
Informal Count:			

28	***6 of 7***	***SSE***	***0.42 / 2,243.43***	***266.30 / 7***	***VA MEDICAL CENTER 1030 JEFFERSON AVE MEMPHIS TN 38104***	***DOCKET HW***

EPA ID:	TNN000410932
Status:	On MDL
Date Added:	11/25/2008
Reporting Mechanism:	RCRA 3010
Agency:	VETERANS ADMINISTRATION
Region:	4

28	***7 of 7***	***SSE***	***0.42 / 2,243.43***	***266.30 / 7***	***USVA VETERANS ADMIN HOSPITAL 1030 JEFFERSON AVE MEMPHIS TN 38104***	***ECHO***

FRS ID:	110067808206	***Facility Latitude:***	35.14246
Fac EPA Region:	04	***Facility Longitude:***	-90.0254
Facility County:	SHELBY COUNTY		

Facility Details - Data Download

Compliance Status:		***Federal?:***	
Active/Operating:		***Federal Agency Nam:***	
SNC?:	No	***SIC Codes:***	
Qtrs in NC?:		***NAICS Codes:***	

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Formal Action Cnt:	0	**EJ Screen 80%:**	7
Last Formal Action:		**Indian/Tribal?:**	N
Informal Count:	0	**Indian/Spatial?:**	No
Total Penalties:	0	**Tile Proxmty NPDES:**	73.4
Penalty Count:		**Tile Proximity NPL:**	87
Dt of Last Penalty:		**Tile Proximity RMP:**	75.6
Last Penalty Amt:		**Tile Proximty TSDF:**	89.5
Inspection Count:	0	**Tile O3:**	78.9
Dt of Last Inspect:		**Tile PM:**	78.6
RMP ID(s):		**Tile PCT Pre 1960:**	86.7
EIS ID(s):		**Tile DPM:**	86.5
SEMS IDs:		**Mapped:**	Yes
EPCRA Inspctns 5Yr:		**State County FIPS Cd:**	47157
FIFRA Inspctns 5Yr:		**County [FRS]:**	SHELBY COUNTY
NAA Stndr Classfd as Nonattn:			
NAA Stndr Classfd Maintennc:	Carbon Monoxide (1971); 1-Hour Ozone (1979); 8-Hour Ozone (2008)		
Nonattain Pollutants in NAAs:			
Maintenance Pollutants NAAs:	Carbon Monoxide; Ozone		
Within a Nonattaining NAA:			
Within a Maintenance NAA:	Y		
Date of Last Inspection (EPA):			
Dt Last Inspection(State/Local):			
Days since Last Inspection:			
DFR URL:	https://echo.epa.gov/detailed-facility-report?fid=110067808206		

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
29	1 of 7	WSW	0.43 / 2,270.11	268.04 / 9	EXTRA EXPRESS MARKET 777 POPLAR AVE MEMPHIS TN 38105	LUST TRUST

Facility ID:	9791539
Status:	Closed
Case No:	3
Paid Requested:	$367,296.85
Paid Payment:	$347,486.84
Paid Net Pay:	$365,079.24
Paid Deductible:	$17,592.40
Paid Net Not Negotiable:	$2,217.61
Applied Requested:	
Applied Payment:	
Applied Net Pay:	
Applied Deductible:	
Applied Not Negotiable:	

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
29	2 of 7	WSW	0.43 / 2,270.11	268.04 / 9	7-ELEVEN #25559 777 POPLAR AVE MEMPHIS TN	LUST TRUST

Facility ID:	9791539
Status:	Closed
Case No:	1
Paid Requested:	$292,969.14
Paid Payment:	$187,249.71
Paid Net Pay:	$237,249.71
Paid Deductible:	$50,000.00
Paid Net Not Negotiable:	$55,719.43
Applied Requested:	
Applied Payment:	
Applied Net Pay:	
Applied Deductible:	
Applied Not Negotiable:	

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
29	3 of 7	WSW	0.43 / 2,270.11	268.04 / 9	FLASH MARKET #72 777 POPLAR AVENUE MEMPHIS TN	LUST TRUST

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Facility ID: 9791539
Status: Closed
Case No: 2
Paid Requested: $202,521.40
Paid Payment: $176,082.98
Paid Net Pay: $196,082.94
Paid Deductible: $20,000.00
Paid Net Not Negotiable: $6,438.46
Applied Requested:
Applied Payment:
Applied Net Pay:
Applied Deductible:
Applied Not Negotiable:

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
29	4 of 7	WSW	0.43 / 2,270.11	268.04 / 9	FLASH OIL CO #72 777 POPLAR AVE MEMPHIS TN 38104	LUST

Facility ID: 9791539
Site No: 1
Current Status: 8 Case Closed
Cause: 7 Unknown
CAC Company: Groundwater Technology, Inc.
Owner Name: LOEB BROTHERS REALTY
Case Description: See case # 2
ACTIVE-FORMER 7-ELEVEN

Product Released:
Discovery Date: AUG-10-1989
How Discovered: 7 Environmental Audit
County: Shelby

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
29	5 of 7	WSW	0.43 / 2,270.11	268.04 / 9	FLASH OIL CO #72 777 POPLAR AVE MEMPHIS TN 38104	LUST

Facility ID: 9791539
Site No: 2
Current Status: 8 Case Closed
Cause: 5 Pipe Failure
CAC Company:
Owner Name: LOEB BROTHERS REALTY
Case Description: Former 7-eleven

Product Released:
Discovery Date: MAY-30-1997
How Discovered: 3 On-site Impact
County: Shelby

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
29	6 of 7	WSW	0.43 / 2,270.11	268.04 / 9	FORMER EXTRA EXPRESS MART 777 Poplar Avenue Memphis TN 38104	DELISTED LST

Delisted Leaking Storage Tanks

Facility ID: 9791539
Applic No 1:
Case No:
Site No: 4
Status:
Cause: -
Discovery Date: -
How Discovered:
Priority:
Product Released: -
Case Manager:
Section:
Paid Requested:
Pay Not Negotiable:
Paid Net Pay:

County: Shelby
Facility Owner:
Owner ID:
Owner Name: Flash Oil Company of Arkansas
Owner Addr 1:
Owner Addr 2:
Owner City:
Owner State:
Owner Zip:
Owner Phone:
Contact:
Contact Title:
Contact Addr 1:
Contact Addr 2:
Contact City:

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Paid Deductable:
Paid Payment:
Applied Requested:
App Not Negotiable:
Applied Net Pay:
Appl Deductable:
Applied Payment:
Case Description: -
Original Source: LUST
Record Date: 07-NOV-2017
Contact State:
Contact Zip:
Contact Phone:
Type:
Type CAC:
CAC Company: -
CAC Contact:

---

29 | **7 of 7** | **WSW** | **0.43 / 2,270.11** | **268.04 / 9** | **EXTRA SEVEN ELEVEN, INC.**
777 Poplar Avenue
Memphis TN 38104
LUST

Facility ID: 9791539
Site No: 3
Current Status: 8 Case Closed
Cause:
CAC Company: SEMS, Inc.
Owner Name:
Case Description: dispenser replacement
Product Released: Gasoline
Discovery Date: MAY-04-2011
How Discovered: 8 Other
County: Shelby

---

30 | **1 of 1** | **N** | **0.43 / 2,270.61** | **255.10 / -4** | **HART BILL**
974 FAXON
MEMPHIS TN 38105
ECHO

FRS ID: 110004971031
Fac EPA Region: 04
Facility County: SHELBY
Facility Latitude: 35.15589
Facility Longitude: -90.0263

Facility Details

Major Facility?:
Active/Operating?:
Compliance Status: No Violation Identified
Signif Non Compl?: N
Programs with SNC: 0
Qtrs with NC: 0
3Yr Compliance Hist: _____
Formal Action Count: 0
Last Formal Action:
Last EPA Formal Act:
Last State Formal Act:
Informal Count: 0
Last Informal Action:
Last EPA Informal A:
Last State Informal A:
Total Penalties: 0
Penalty Count:
Date of Last Penalty:
Last Penalty Amount:
myRTK Universe: NNN
Dschg Impair Water?:
EJ Screen 80%: Yes
DFR URL: http://echo.epa.gov/detailed-facility-report?fid=110004971031
Air?: No
NPDES?: No
SDWIS?: No
RCRA?: Yes
TRI?: No
GHG?: No
SIC Codes:
NAICS Codes: 33711 23332
FIPS Code: 47157
Indian/Tribal?: No
Federal ?:
Federal Agency:
Chesapeake Bay?:
NAA?: No
Coordinate Method: ADDRESS MATCHING-HOUSE NUMBER
Reference Point: CENTER OF A FACILITY OR STATION
Accuracy (Meters): 30
Inspection Count: 0
Last Inspection:
Last EPA Inspection:
Last State Inspection:
Days Last Inspection:

Resource Conservation and Recovery Act (RCRA)

RCRA ID(s): TND061650693
Permit Types: Other
RCRA NAICS: 23332 33711
Inspection Count:
Informal Count:
Penalties:
Last Penalty Date:
Last Penalty Amt:
Qtrs with NC: 0
Compliance Status: No Violation Identified

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Formal Action Cnt: **SNC ?:** No
Days since Last Evaluation:
Date of Last Formal Action:
3Yr Compl Qtrs History: _____

Facility Details - Data Download

Compliance Status:	No Violation Identified	**Federal?:**	
Active/Operating:		**Federal Agency Nam:**	
SNC?:	No	**SIC Codes:**	
Qtrs in NC?:	0	**NAICS Codes:**	33711 23332
Formal Action Cnt:	0	**EJ Screen 80%:**	10
Last Formal Action:		**Indian/Tribal?:**	N
Informal Count:	0	**Indian/Spatial?:**	No
Total Penalties:	0	**Tile Proxmty NPDES:**	78.3
Penalty Count:		**Tile Proximity NPL:**	88.3
Dt of Last Penalty:		**Tile Proximity RMP:**	80
Last Penalty Amt:		**Tile Proximty TSDF:**	84.8
Inspection Count:	0	**Tile O3:**	84.4
Dt of Last Inspect:		**Tile PM:**	84
RMP ID(s):		**Tile PCT Pre 1960:**	96.6
EIS ID(s):		**Tile DPM:**	89.9
SEMS IDs:		**Mapped:**	Yes
EPCRA Inspctns 5Yr:		**State County FIPS Cd:**	47157
FIFRA Inspctns 5Yr:		**County [FRS]:**	SHELBY COUNTY

NAA Stndr Classfd as Nonattn:
NAA Stndr Classfd Maintennc: Carbon Monoxide (1971); 1-Hour Ozone (1979); 8-Hour Ozone (2008)
Nonattain Pollutants in NAAs:
Maintenance Pollutants NAAs: Carbon Monoxide; Ozone
Within a Nonattaining NAA:
Within a Maintenance NAA: Y
Date of Last Inspection (EPA):
Dt Last Inspection(State/Local):
Days since Last Inspection:
DFR URL: https://echo.epa.gov/detailed-facility-report?fid=110004971031

Resource Conservation and Recovery Act (RCRA) - Data Download

RCRA ID(s):	TND061650693	**Informal Count:**	
Permit Type(s):	Other	**Formal Action Cnt:**	
Inspection Count:		**Penalties:**	
Compliance Status:	No Violation Identified		

---

31 | ***1 of 1*** | ***NNE*** | ***0.43 / 2,287.19*** | ***257.28 / -2*** | ***AIR MASK SERVICE UNIT***
1010 FOXON
MEMPHIS TN 38105 | ***LUST***

Facility ID:	9791109	**Product Released:**	
Site No:	1	**Discovery Date:**	
Current Status:	1a Completed Tank Closure	**How Discovered:**	
Cause:		**County:**	Shelby
CAC Company:			
Owner Name:	CITY OF MEMPHIS/PROP		
Case Description:			

---

32 | ***1 of 1*** | ***NW*** | ***0.44 / 2,303.82*** | ***237.10 / -22*** | ***ST. JUDE WAREHOUSE DRIVEWAY***
483 NORTH MANASSAS STREET
MEMPHIS TN 38105 | ***ECHO***

FRS ID:	110070554932	**Facility Latitude:**	35.15355
Fac EPA Region:	04	**Facility Longitude:**	-90.03376
Facility County:	SHELBY		

Facility Details

Major Facility?:		***Air?:***	No
Active/Operating?:		***NPDES?:***	Yes
Compliance Status:		***SDWIS?:***	No
Signif Non Compl?:	N	***RCRA?:***	No
Programs with SNC:	0	***TRI?:***	No
Qtrs with NC:	0	***GHG?:***	No
3Yr Compliance Hist:	_____U	***SIC Codes:***	
Formal Action Count:	0	***NAICS Codes:***	
Last Formal Action:		***FIPS Code:***	47157
Last EPA Formal Act:		***Indian/Tribal?:***	No
Last State Formal Act:		***Federal ?:***	
Informal Count:	0	***Federal Agency:***	
Last Informal Action:		***Chesapeake Bay?:***	
Last EPA Informal A:		***NAA?:***	No
Last State Informal A:		***Coordinate Method:***	ADDRESS MATCHING-HOUSE NUMBER
Total Penalties:	0	***Reference Point:***	CENTER OF A FACILITY OR STATION
Penalty Count:		***Accuracy (Meters):***	30
Date of Last Penalty:		***Inspection Count:***	0
Last Penalty Amount:		***Last Inspection:***	
myRTK Universe:	NNN	***Last EPA Inspection:***	
Dschg Impair Water?:	Y	***Last State Inspection:***	
EJ Screen 80%:	Yes	***Days Last Inspection:***	

DFR URL: http://echo.epa.gov/detailed-facility-report?fid=110070554932

Clean Water Act (CWA)

NPDES ID(s):	TNR154756	***Penalties:***	
Permit Types:	Minor	***Last Penalty Date:***	
Compliance Trcking:	Off	***Last Penalty Amt:***	
CWA NAICS:		***Qtrs With NC:***	0
CWA SICS:		***Compliance Status:***	Terminated Permit
Inspection Count:		***SNC ?:***	No
Informal Count:		***3Yr QNCR Codes:***	
Formal Action Count:			
Days since Last Inspection:			
Date of Last Formal Action:			
13Qtrs Compl History:	_____U		
13Qtrs Efflnt Exceedances:			

Facility Details - Data Download

Compliance Status:		***Federal?:***	
Active/Operating:		***Federal Agency Nam:***	
SNC?:	No	***SIC Codes:***	
Qtrs in NC?:	0	***NAICS Codes:***	
Formal Action Cnt:	0	***EJ Screen 80%:***	11
Last Formal Action:		***Indian/Tribal?:***	N
Informal Count:	0	***Indian/Spatial?:***	No
Total Penalties:	0	***Tile Proxmty NPDES:***	86
Penalty Count:		***Tile Proximity NPL:***	91
Dt of Last Penalty:		***Tile Proximity RMP:***	81.7
Last Penalty Amt:		***Tile Proximty TSDF:***	89.6
Inspection Count:	0	***Tile O3:***	89.7
Dt of Last Inspect:		***Tile PM:***	89.1
RMP ID(s):		***Tile PCT Pre 1960:***	96.5
EIS ID(s):		***Tile DPM:***	93.7
SEMS IDs:		***Mapped:***	Yes
EPCRA Inspctns 5Yr:		***State County FIPS Cd:***	47157
FIFRA Inspctns 5Yr:		***County [FRS]:***	SHELBY COUNTY
NAA Stndr Classfd as Nonattn:			
NAA Stndr Classfd Maintennc:	Carbon Monoxide (1971); 1-Hour Ozone (1979); 8-Hour Ozone (2008)		
Nonattain Pollutants in NAAs:			
Maintenance Pollutants NAAs:	Carbon Monoxide; Ozone		

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Within a Nonattaining NAA:
Within a Maintenance NAA: Y
Date of Last Inspection (EPA):
Dt Last Inspection(State/Local):
Days since Last Inspection:
DFR URL: https://echo.epa.gov/detailed-facility-report?fid=110070554932

Clean Water Act - Data Download

NPDES ID(s): TNR154756
Permit Types: Minor
Inspection Count:
Informal Count:
Formal Action Cnt:
Penalties:
Compliance Status: Terminated Permit

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33 | **1 of 1** | **SW** | **0.44 / 2,318.01** | **270.15 / 11** | **BLAIR TOWER APARTMENTS**
810 WASHINGTON
MEMPHIS TN 38105 | **ECHO**

FRS ID: 110028114555
Fac EPA Region: 04
Facility County: SHELBY
Facility Latitude: 35.14463
Facility Longitude: -90.03365

Facility Details - Data Download

Compliance Status:
Active/Operating:
SNC?: No
Qtrs in NC?:
Formal Action Cnt: 0
Last Formal Action:
Informal Count: 0
Total Penalties: 0
Penalty Count:
Dt of Last Penalty:
Last Penalty Amt:
Inspection Count: 0
Dt of Last Inspect:
RMP ID(s):
EIS ID(s):
SEMS IDs:
EPCRA Inspctns 5Yr:
FIFRA Inspctns 5Yr:
NAA Stndr Classfd as Nonattn:
NAA Stndr Classfd Maintennc: Carbon Monoxide (1971); 1-Hour Ozone (1979); 8-Hour Ozone (2008)
Nonattain Pollutants in NAAs:
Maintenance Pollutants NAAs: Carbon Monoxide; Ozone
Within a Nonattaining NAA:
Within a Maintenance NAA: Y
Date of Last Inspection (EPA):
Dt Last Inspection(State/Local):
Days since Last Inspection:
DFR URL: https://echo.epa.gov/detailed-facility-report?fid=110028114555
Federal?:
Federal Agency Nam:
SIC Codes:
NAICS Codes:
EJ Screen 80%: 10
Indian/Tribal?: N
Indian/Spatial?: No
Tile Proxmty NPDES: 85.4
Tile Proximity NPL: 90.5
Tile Proximity RMP: 75
Tile Proximty TSDF: 88.5
Tile O3: 86.9
Tile PM: 86.4
Tile PCT Pre 1960: 89.9
Tile DPM: 92.5
Mapped: Yes
State County FIPS Cd: 47157
County [FRS]: SHELBY COUNTY

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34 | **1 of 2** | **SW** | **0.44 / 2,340.22** | **273.01 / 14** | **LEBONHEUR CHILDREN'S MEDICAL CENTER**
848 ADAMS AVENUE
MEMPHIS TN 38103 | **ECHO**

FRS ID: 110001859551
Fac EPA Region: 04
Facility County: SHELBY
Facility Latitude: 35.14353
Facility Longitude: -90.03245

Facility Details

Major Facility?:		***Air?:***	Yes
Active/Operating?:	Y	***NPDES?:***	No
Compliance Status:	No Violation Identified	***SDWIS?:***	No
Signif Non Compl?:	N	***RCRA?:***	No
Programs with SNC:	0	***TRI?:***	No
Qtrs with NC:	0	***GHG?:***	No
3Yr Compliance Hist:	_____	***SIC Codes:***	8069
Formal Action Count:	0	***NAICS Codes:***	999999
Last Formal Action:		***FIPS Code:***	47157
Last EPA Formal Act:		***Indian/Tribal?:***	No
Last State Formal Act:		***Federal ?:***	
Informal Count:	0	***Federal Agency:***	
Last Informal Action:		***Chesapeake Bay?:***	
Last EPA Informal A:		***NAA?:***	No
Last State Informal A:		***Coordinate Method:***	ADDRESS MATCHING-HOUSE NUMBER
Total Penalties:	0	***Reference Point:***	CENTER OF A FACILITY OR STATION
Penalty Count:		***Accuracy (Meters):***	30
Date of Last Penalty:		***Inspection Count:***	0
Last Penalty Amount:		***Last Inspection:***	
myRTK Universe:	NNN	***Last EPA Inspection:***	
Dschg Impair Water?:		***Last State Inspection:***	
EJ Screen 80%:	Yes	***Days Last Inspection:***	
DFR URL:	http://echo.epa.gov/detailed-facility-report?fid=110001859551		

Clean Air Act (CAA)

High Priorty Viol?:	No	***Evaluation Count:***	
Compliance Status:	No Violation Identified	***Informal Count:***	
Qtrs with NC:	0	***Penalties:***	
Formal Action Cnt:		***Dt of Last Penalty:***	
CAA NAICS:	999999	***Last Penalty Amt:***	
CAA SICS:	8069		
AIR ID(s):	TNSHL0004715700649		
CO2 Releases:	Minor Emissions		
3Yr Compl Qtrs History:	_____		
Date of Last Formal Action:			
Days SInce Last Evaluation:			

Facility Details - Data Download

Compliance Status:	No Violation Identified	***Federal?:***	
Active/Operating:	Y	***Federal Agency Nam:***	
SNC?:	No	***SIC Codes:***	8069
Qtrs in NC?:	0	***NAICS Codes:***	999999
Formal Action Cnt:	0	***EJ Screen 80%:***	7
Last Formal Action:		***Indian/Tribal?:***	N
Informal Count:	0	***Indian/Spatial?:***	No
Total Penalties:	0	***Tile Proxmty NPDES:***	73.4
Penalty Count:		***Tile Proximity NPL:***	87
Dt of Last Penalty:		***Tile Proximity RMP:***	75.6
Last Penalty Amt:		***Tile Proximty TSDF:***	89.5
Inspection Count:	0	***Tile O3:***	78.9
Dt of Last Inspect:		***Tile PM:***	78.6
RMP ID(s):		***Tile PCT Pre 1960:***	86.7
EIS ID(s):		***Tile DPM:***	86.5
SEMS IDs:		***Mapped:***	Yes
EPCRA Inspctns 5Yr:		***State County FIPS Cd:***	47157
FIFRA Inspctns 5Yr:		***County [FRS]:***	SHELBY COUNTY
NAA Stndr Classfd as Nonattn:			
NAA Stndr Classfd Maintennc:	Carbon Monoxide (1971); 1-Hour Ozone (1979); 8-Hour Ozone (2008)		
Nonattain Pollutants in NAAs:			
Maintenance Pollutants NAAs:	Carbon Monoxide; Ozone		
Within a Nonattaining NAA:			
Within a Maintenance NAA:	Y		
Date of Last Inspection (EPA):			
Dt Last Inspection(State/Local):			
Days since Last Inspection:			

DFR URL: https://echo.epa.gov/detailed-facility-report?fid=110001859551

Clean Air Act - Data Download

AIR ID(s): TNSHL0004715700649
CAMD ID(s):
Permit Types: Minor Emissions
Formal Action Cnt:
Compliance Status: No Violation Identified
Penalties:
Evaluation Count:
Informal Count:

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34 | 2 of 2 | SW | 0.44 / 2,340.22 | 273.01 / 14 | ECHO

METHODIST LEBONHEUR PEDIATRIC CVICU EXPANSION
848 ADAMS AVE.
MEMPHIS TN 38104

FRS ID: 110070792825
Fac EPA Region: 04
Facility County: SHELBY
Facility Latitude: 35.1449
Facility Longitude: -90.0325

Facility Details

Major Facility?:
Active/Operating?: Y
Compliance Status: No Violation Identified
Signif Non Compl?: N
Programs with SNC: 0
Qtrs with NC: 0
3Yr Compliance Hist: _____
Formal Action Count: 0
Last Formal Action:
Last EPA Formal Act:
Last State Formal Act:
Informal Count: 0
Last Informal Action:
Last EPA Informal A:
Last State Informal A:
Total Penalties: 0
Penalty Count:
Date of Last Penalty:
Last Penalty Amount:
myRTK Universe: NNN
Dschg Impair Water?: Y
EJ Screen 80%: Yes
Air?: No
NPDES?: Yes
SDWIS?: No
RCRA?: No
TRI?: No
GHG?: No
SIC Codes:
NAICS Codes:
FIPS Code: 47157
Indian/Tribal?: No
Federal ?:
Federal Agency:
Chesapeake Bay?:
NAA?: No
Coordinate Method: UNKNOWN
Reference Point:
Accuracy (Meters): 34830
Inspection Count: 0
Last Inspection:
Last EPA Inspection:
Last State Inspection:
Days Last Inspection:
DFR URL: http://echo.epa.gov/detailed-facility-report?fid=110070792825

Clean Water Act (CWA)

NPDES ID(s): TNR154918
Permit Types: Minor
Compliance Trcking: On
CWA NAICS:
CWA SICS:
Inspection Count:
Informal Count:
Formal Action Count:
Days since Last Inspection:
Date of Last Formal Action:
13Qtrs Compl History: _____
13Qtrs Efflnt Exceedances:
Penalties:
Last Penalty Date:
Last Penalty Amt:
Qtrs With NC: 0
Compliance Status: No Violation Identified
SNC ?: No
3Yr QNCR Codes:

Facility Details - Data Download

Compliance Status: No Violation Identified
Active/Operating: Y
Federal?:
Federal Agency Nam:

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

SNC?:	No	**SIC Codes:**	
Qtrs in NC?:	0	**NAICS Codes:**	
Formal Action Cnt:	0	**EJ Screen 80%:**	7
Last Formal Action:		**Indian/Tribal?:**	N
Informal Count:	0	**Indian/Spatial?:**	No
Total Penalties:	0	**Tile Proxmty NPDES:**	73.4
Penalty Count:		**Tile Proximity NPL:**	87
Dt of Last Penalty:		**Tile Proximity RMP:**	75.6
Last Penalty Amt:		**Tile Proximty TSDF:**	89.5
Inspection Count:	0	**Tile O3:**	78.9
Dt of Last Inspect:		**Tile PM:**	78.6
RMP ID(s):		**Tile PCT Pre 1960:**	86.7
EIS ID(s):		**Tile DPM:**	86.5
SEMS IDs:		**Mapped:**	Yes
EPCRA Inspctns 5Yr:		**State County FIPS Cd:**	47157
FIFRA Inspctns 5Yr:		**County [FRS]:**	SHELBY COUNTY

NAA Stndr Classfd as Nonattn:
NAA Stndr Classfd Maintennc: Carbon Monoxide (1971); 1-Hour Ozone (1979); 8-Hour Ozone (2008)
Nonattain Pollutants in NAAs:
Maintenance Pollutants NAAs: Carbon Monoxide; Ozone
Within a Nonattaining NAA:
Within a Maintenance NAA: Y
Date of Last Inspection (EPA):
Dt Last Inspection(State/Local):
Days since Last Inspection:
DFR URL: https://echo.epa.gov/detailed-facility-report?fid=110070792825

Clean Water Act - Data Download

NPDES ID(s):	TNR154918	**Formal Action Cnt:**	
Permit Types:	Minor	**Penalties:**	
Inspection Count:		**Compliance Status:**	No Violation Identified
Informal Count:			

---

35 | ***1 of 1*** | ***NW*** | ***0.45 / 2,367.37*** | ***235.87 / -24*** | ***CUSTOM CRAFT FURNITURE CO****
750 GALLOWAY
MEMPHIS TN 38105 | ***ECHO***

FRS ID:	110004975215	**Facility Latitude:**	35.153888
Fac EPA Region:	04	**Facility Longitude:**	-90.032961
Facility County:	SHELBY		

Facility Details

Major Facility?:		**Air?:**	No
Active/Operating?:		**NPDES?:**	No
Compliance Status:	No Violation Identified	**SDWIS?:**	No
Signif Non Compl?:	N	**RCRA?:**	Yes
Programs with SNC:	0	**TRI?:**	No
Qtrs with NC:	0	**GHG?:**	No
3Yr Compliance Hist:	_____	**SIC Codes:**	
Formal Action Count:	0	**NAICS Codes:**	337121
Last Formal Action:		**FIPS Code:**	47157
Last EPA Formal Act:		**Indian/Tribal?:**	No
Last State Formal Act:		**Federal ?:**	
Informal Count:	0	**Federal Agency:**	
Last Informal Action:		**Chesapeake Bay?:**	
Last EPA Informal A:		**NAA?:**	No
Last State Informal A:		**Coordinate Method:**	ADDRESS MATCHING-HOUSE NUMBER
Total Penalties:	0	**Reference Point:**	ENTRANCE POINT OF A FACILITY OR STATION
Penalty Count:		**Accuracy (Meters):**	50
Date of Last Penalty:		**Inspection Count:**	0
Last Penalty Amount:		**Last Inspection:**	
myRTK Universe:	NNN	**Last EPA Inspection:**	
Dschg Impair Water?:		**Last State Inspection:**	

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

EJ Screen 80%: Yes
Days Last Inspection:
DFR URL: http://echo.epa.gov/detailed-facility-report?fid=110004975215

Resource Conservation and Recovery Act (RCRA)

RCRA ID(s): TND073527582
Permit Types: Other
RCRA NAICS: 337121
Inspection Count:
Informal Count:
Formal Action Cnt:
Days since Last Evaluation:
Date of Last Formal Action:
3Yr Compl Qtrs History: _____

Penalties:
Last Penalty Date:
Last Penalty Amt:
Qtrs with NC: 0
Compliance Status: No Violation Identified
SNC ?: No

Facility Details - Data Download

Compliance Status: No Violation Identified
Active/Operating:
SNC?: No
Qtrs in NC?: 0
Formal Action Cnt: 0
Last Formal Action:
Informal Count: 0
Total Penalties: 0
Penalty Count:
Dt of Last Penalty:
Last Penalty Amt:
Inspection Count: 0
Dt of Last Inspect:
RMP ID(s):
EIS ID(s):
SEMS IDs:
EPCRA Inspctns 5Yr:
FIFRA Inspctns 5Yr:
NAA Stndr Classfd as Nonattn:
NAA Stndr Classfd Maintennc: Carbon Monoxide (1971); 1-Hour Ozone (1979); 8-Hour Ozone (2008)
Nonattain Pollutants in NAAs:
Maintenance Pollutants NAAs: Carbon Monoxide; Ozone
Within a Nonattaining NAA:
Within a Maintenance NAA: Y
Date of Last Inspection (EPA):
Dt Last Inspection(State/Local):
Days since Last Inspection:
DFR URL: https://echo.epa.gov/detailed-facility-report?fid=110004975215

Federal?:
Federal Agency Nam:
SIC Codes:
NAICS Codes: 337121
EJ Screen 80%: 11
Indian/Tribal?: N
Indian/Spatial?: No
Tile Proxmty NPDES: 86
Tile Proximity NPL: 91
Tile Proximity RMP: 81.7
Tile Proximty TSDF: 89.6
Tile O3: 89.7
Tile PM: 89.1
Tile PCT Pre 1960: 96.5
Tile DPM: 93.7
Mapped: Yes
State County FIPS Cd: 47157
County [FRS]: SHELBY COUNTY

Resource Conservation and Recovery Act (RCRA) - Data Download

RCRA ID(s): TND073527582
Permit Type(s): Other
Inspection Count:
Compliance Status: No Violation Identified

Informal Count:
Formal Action Cnt:
Penalties:

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
36	1 of 1	S	0.46 / 2,428.45	259.92 / 0	HOSPITAL WING UNKNOWN MEMPHIS TN 00000	ECHO

FRS ID: 110041612699
Fac EPA Region: 04
Facility County: SHELBY

Facility Latitude: 35.1418
Facility Longitude: -90.0268

Facility Details - Data Download

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Compliance Status:		**Federal?:**	
Active/Operating:		**Federal Agency Nam:**	
SNC?:	No	**SIC Codes:**	
Qtrs in NC?:		**NAICS Codes:**	48811
Formal Action Cnt:	0	**EJ Screen 80%:**	7
Last Formal Action:		**Indian/Tribal?:**	N
Informal Count:	0	**Indian/Spatial?:**	No
Total Penalties:	0	**Tile Proxmty NPDES:**	73.4
Penalty Count:		**Tile Proximity NPL:**	87
Dt of Last Penalty:		**Tile Proximity RMP:**	75.6
Last Penalty Amt:		**Tile Proximty TSDF:**	89.5
Inspection Count:	0	**Tile O3:**	78.9
Dt of Last Inspect:		**Tile PM:**	78.6
RMP ID(s):		**Tile PCT Pre 1960:**	86.7
EIS ID(s):	12001111	**Tile DPM:**	86.5
SEMS IDs:		**Mapped:**	Yes
EPCRA Inspctns 5Yr:		**State County FIPS Cd:**	47157
FIFRA Inspctns 5Yr:		**County [FRS]:**	SHELBY COUNTY

NAA Stndr Classfd as Nonattn:
NAA Stndr Classfd Maintennc: Carbon Monoxide (1971); 1-Hour Ozone (1979); 8-Hour Ozone (2008)
Nonattain Pollutants in NAAs:
Maintenance Pollutants NAAs: Carbon Monoxide; Ozone
Within a Nonattaining NAA:
Within a Maintenance NAA: Y
Date of Last Inspection (EPA):
Dt Last Inspection(State/Local):
Days since Last Inspection:
DFR URL: https://echo.epa.gov/detailed-facility-report?fid=110041612699

37	*1 of 6*	*WSW*	*0.46 / 2,445.10*	*270.46 / 11*	***AUTO-CHLOR, INC.*** ***746 POPLAR AVENUE*** ***MEMPHIS TN***	***SRP***

DOR Site ID:	SRS791083	**DOR EFO:**	MEMPHIS
Status:	CLOSED	**Program:**	VOLUNTARY
EPA Facility ID:	TNR000025551	**County:**	SHELBY
EPA Registry ID:	110033623238	**Latitude:**	35.146514
Delisted:		**Longitude:**	-90.03565
Promulgated Date:		**Acres:**	4.23

37	*2 of 6*	*WSW*	*0.46 / 2,445.10*	*270.46 / 11*	***AUTO CLOR SYSTEM*** ***746 POPLAR AVE*** ***MEMPHIS TN 38105***	***LUST***

Facility ID:	9790057	**Product Released:**	
Site No:	1	**Discovery Date:**	
Current Status:	1a Completed Tank Closure	**How Discovered:**	
Cause:		**County:**	Shelby
CAC Company:			
Owner Name:	AUTO CHLOR SYSTEM		
Case Description:	closed		

37	*3 of 6*	*WSW*	*0.46 / 2,445.10*	*270.46 / 11*	***JOHNSONDIVERSEY, INC.*** ***746 POPLAR AVENUE*** ***MEMPHIS TN 38105***	***ECHO***

FRS ID:	110033623238	**Facility Latitude:**	35.14598
Fac EPA Region:	04	**Facility Longitude:**	-90.03518
Facility County:	SHELBY		

Facility Details

Major Facility?:		**Air?:**	No

Active/Operating?:		***NPDES?:***	No
Compliance Status:	No Violation Identified	***SDWIS?:***	No
Signif Non Compl?:	N	***RCRA?:***	Yes
Programs with SNC:	0	***TRI?:***	No
Qtrs with NC:	0	***GHG?:***	No
3Yr Compliance Hist:	_____	***SIC Codes:***	
Formal Action Count:	0	***NAICS Codes:***	42469
Last Formal Action:		***FIPS Code:***	47157
Last EPA Formal Act:		***Indian/Tribal?:***	No
Last State Formal Act:		***Federal ?:***	
Informal Count:	0	***Federal Agency:***	
Last Informal Action:		***Chesapeake Bay?:***	
Last EPA Informal A:		***NAA?:***	No
Last State Informal A:		***Coordinate Method:***	ADDRESS MATCHING-HOUSE NUMBER
Total Penalties:	0	***Reference Point:***	CENTER OF A FACILITY OR STATION
Penalty Count:		***Accuracy (Meters):***	30
Date of Last Penalty:		***Inspection Count:***	0
Last Penalty Amount:		***Last Inspection:***	02/06/2009
myRTK Universe:	NNN	***Last EPA Inspection:***	
Dschg Impair Water?:		***Last State Inspection:***	02/06/2009
EJ Screen 80%:	Yes	***Days Last Inspection:***	4475
DFR URL:	http://echo.epa.gov/detailed-facility-report?fid=110033623238		

Resource Conservation and Recovery Act (RCRA)

RCRA ID(s):	TNR000025551	***Penalties:***	
Permit Types:	Other	***Last Penalty Date:***	
RCRA NAICS:	42469	***Last Penalty Amt:***	
Inspection Count:		***Qtrs with NC:***	0
Informal Count:		***Compliance Status:***	No Violation Identified
Formal Action Cnt:		***SNC ?:***	No
Days since Last Evaluation:	4474		
Date of Last Formal Action:			
3Yr Compl Qtrs History:	_____		

Facility Details - Data Download

Compliance Status:	No Violation Identified	***Federal?:***	
Active/Operating:		***Federal Agency Nam:***	
SNC?:	No	***SIC Codes:***	
Qtrs in NC?:	0	***NAICS Codes:***	42469
Formal Action Cnt:	0	***EJ Screen 80%:***	10
Last Formal Action:		***Indian/Tribal?:***	N
Informal Count:	0	***Indian/Spatial?:***	No
Total Penalties:	0	***Tile Proxmty NPDES:***	85.4
Penalty Count:		***Tile Proximity NPL:***	90.5
Dt of Last Penalty:		***Tile Proximity RMP:***	75
Last Penalty Amt:		***Tile Proximty TSDF:***	88.5
Inspection Count:	0	***Tile O3:***	86.9
Dt of Last Inspect:	02/06/2009	***Tile PM:***	86.4
RMP ID(s):		***Tile PCT Pre 1960:***	89.9
EIS ID(s):		***Tile DPM:***	92.5
SEMS IDs:		***Mapped:***	Yes
EPCRA Inspctns 5Yr:		***State County FIPS Cd:***	47157
FIFRA Inspctns 5Yr:		***County [FRS]:***	SHELBY COUNTY
NAA Stndr Classfd as Nonattn:			
NAA Stndr Classfd Maintennc:	Carbon Monoxide (1971); 1-Hour Ozone (1979); 8-Hour Ozone (2008)		
Nonattain Pollutants in NAAs:			
Maintenance Pollutants NAAs:	Carbon Monoxide; Ozone		
Within a Nonattaining NAA:			
Within a Maintenance NAA:	Y		
Date of Last Inspection (EPA):			
Dt Last Inspection(State/Local):	02/06/2009		
Days since Last Inspection:	4474		
DFR URL:	https://echo.epa.gov/detailed-facility-report?fid=110033623238		

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Resource Conservation and Recovery Act (RCRA) - Data Download

RCRA ID(s):	TNR000025551	***Informal Count:***	
Permit Type(s):	Other	***Formal Action Cnt:***	
Inspection Count:		***Penalties:***	
Compliance Status:	No Violation Identified		

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37 | ***4 of 6*** | ***WSW*** | ***0.46 / 2,445.10*** | ***270.46 / 11*** | ***AUTO-CHLOR***
746 POPLAR AVENUE
MEMPHIS TN | ***VCP***

Site ID:	79774	***Program:***	VOLUNTARY
EPA Facility ID:	TNR000025551	***EFO:***	CENTRAL OFFICE
EPA Registry ID:	110033623238	***County:***	SHELBY
Status:	CLOSED	***Latitude:***	35.146514
Acres:	4.23	***Longitude:***	-90.03565

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37 | ***5 of 6*** | ***WSW*** | ***0.46 / 2,445.10*** | ***270.46 / 11*** | ***AUTO-CHLOR, INC.***
746 POPLAR AVENUE
MEMPHIS TN | ***VCP***

Site ID:	SRS791083	***Program:***	VOLUNTARY
EPA Facility ID:	TNR000025551	***EFO:***	MEMPHIS
EPA Registry ID:	110033623238	***County:***	SHELBY
Status:	CLOSED	***Latitude:***	35.146514
Acres:	4.23	***Longitude:***	-90.03565

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37 | ***6 of 6*** | ***WSW*** | ***0.46 / 2,445.10*** | ***270.46 / 11*** | ***AUTO-CHLOR SYSTEM LLC***
746 POPLAR AVE
MEMPHIS TN 38105 | ***ECHO***

FRS ID:	110070319396	***Facility Latitude:***	35.14598
Fac EPA Region:	04	***Facility Longitude:***	-90.03518
Facility County:			

Facility Details - Data Download

Compliance Status:		***Federal?:***	
Active/Operating:		***Federal Agency Nam:***	
SNC?:	No	***SIC Codes:***	
Qtrs in NC?:		***NAICS Codes:***	
Formal Action Cnt:	0	***EJ Screen 80%:***	10
Last Formal Action:		***Indian/Tribal?:***	N
Informal Count:	0	***Indian/Spatial?:***	No
Total Penalties:	0	***Tile Proxmty NPDES:***	85.4
Penalty Count:		***Tile Proximity NPL:***	90.5
Dt of Last Penalty:		***Tile Proximity RMP:***	75
Last Penalty Amt:		***Tile Proximty TSDF:***	88.5
Inspection Count:	0	***Tile O3:***	86.9
Dt of Last Inspect:		***Tile PM:***	86.4
RMP ID(s):		***Tile PCT Pre 1960:***	89.9
EIS ID(s):		***Tile DPM:***	92.5
SEMS IDs:		***Mapped:***	Yes
EPCRA Inspctns 5Yr:		***State County FIPS Cd:***	47157
FIFRA Inspctns 5Yr:		***County [FRS]:***	SHELBY COUNTY
NAA Stndr Classfd as Nonattn:			
NAA Stndr Classfd Maintennc:	Carbon Monoxide (1971); 1-Hour Ozone (1979); 8-Hour Ozone (2008)		
Nonattain Pollutants in NAAs:			
Maintenance Pollutants NAAs:	Carbon Monoxide; Ozone		
Within a Nonattaining NAA:			
Within a Maintenance NAA:	Y		
Date of Last Inspection (EPA):			
Dt Last Inspection(State/Local):			

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Days since Last Inspection:
DFR URL: https://echo.epa.gov/detailed-facility-report?fid=110070319396

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38 | ***1 of 1*** | ***SW*** | ***0.47 / 2,471.96*** | ***264.50 / 5*** | ***REGIONAL MEDICAL CENTER @ MEMPHIS***
877 JEFFERSON AVENUE
MEMPHIS TN 38103 | ***ECHO***

FRS ID:	110004982877	***Facility Latitude:***	35.14263
Fac EPA Region:	04	***Facility Longitude:***	-90.03166
Facility County:	SHELBY		

Facility Details

Major Facility?:		***Air?:***	No
Active/Operating?:	Y	***NPDES?:***	No
Compliance Status:	No Violation Identified	***SDWIS?:***	No
Signif Non Compl?:	N	***RCRA?:***	Yes
Programs with SNC:	0	***TRI?:***	No
Qtrs with NC:	0	***GHG?:***	No
3Yr Compliance Hist:	_____	***SIC Codes:***	
Formal Action Count:	0	***NAICS Codes:***	621511
Last Formal Action:		***FIPS Code:***	47157
Last EPA Formal Act:		***Indian/Tribal?:***	No
Last State Formal Act:		***Federal ?:***	
Informal Count:	0	***Federal Agency:***	
Last Informal Action:		***Chesapeake Bay?:***	
Last EPA Informal A:		***NAA?:***	No
Last State Informal A:		***Coordinate Method:***	ADDRESS MATCHING-HOUSE NUMBER
Total Penalties:	0	***Reference Point:***	ENTRANCE POINT OF A FACILITY OR STATION
Penalty Count:		***Accuracy (Meters):***	50
Date of Last Penalty:		***Inspection Count:***	0
Last Penalty Amount:		***Last Inspection:***	02/07/1986
myRTK Universe:	NNN	***Last EPA Inspection:***	
Dschg Impair Water?:		***Last State Inspection:***	02/07/1986
EJ Screen 80%:	Yes	***Days Last Inspection:***	12875

DFR URL: http://echo.epa.gov/detailed-facility-report?fid=110004982877

Resource Conservation and Recovery Act (RCRA)

RCRA ID(s):	TND981027816	***Penalties:***	
Permit Types:	VSQG	***Last Penalty Date:***	
RCRA NAICS:	621511	***Last Penalty Amt:***	
Inspection Count:		***Qtrs with NC:***	0
Informal Count:		***Compliance Status:***	No Violation Identified
Formal Action Cnt:		***SNC ?:***	No
Days since Last Evaluation:	12874		
Date of Last Formal Action:			
3Yr Compl Qtrs History:	_____		

Facility Details - Data Download

Compliance Status:	No Violation Identified	***Federal?:***	
Active/Operating:	Y	***Federal Agency Nam:***	
SNC?:	No	***SIC Codes:***	
Qtrs in NC?:	0	***NAICS Codes:***	621511
Formal Action Cnt:	0	***EJ Screen 80%:***	7
Last Formal Action:		***Indian/Tribal?:***	N
Informal Count:	0	***Indian/Spatial?:***	No
Total Penalties:	0	***Tile Proxmty NPDES:***	73.4
Penalty Count:		***Tile Proximity NPL:***	87
Dt of Last Penalty:		***Tile Proximity RMP:***	75.6
Last Penalty Amt:		***Tile Proximty TSDF:***	89.5
Inspection Count:	0	***Tile O3:***	78.9

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Dt of Last Inspect:	02/07/1986	**Tile PM:**	78.6
RMP ID(s):		**Tile PCT Pre 1960:**	86.7
EIS ID(s):		**Tile DPM:**	86.5
SEMS IDs:		**Mapped:**	Yes
EPCRA Inspctns 5Yr:		**State County FIPS Cd:**	47157
FIFRA Inspctns 5Yr:		**County [FRS]:**	SHELBY COUNTY
NAA Stndr Classfd as Nonattn:			
NAA Stndr Classfd Maintennc:	Carbon Monoxide (1971); 1-Hour Ozone (1979); 8-Hour Ozone (2008)		
Nonattain Pollutants in NAAs:			
Maintenance Pollutants NAAs:	Carbon Monoxide; Ozone		
Within a Nonattaining NAA:			
Within a Maintenance NAA:	Y		
Date of Last Inspection (EPA):			
Dt Last Inspection(State/Local):	02/07/1986		
Days since Last Inspection:	12874		
DFR URL:	https://echo.epa.gov/detailed-facility-report?fid=110004982877		

Resource Conservation and Recovery Act (RCRA) - Data Download

RCRA ID(s):	TND981027816	**Informal Count:**	
Permit Type(s):	VSQG	**Formal Action Cnt:**	
Inspection Count:		**Penalties:**	
Compliance Status:	No Violation Identified		

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39 | ***1 of 1*** | ***WSW*** | ***0.48 / 2,519.69*** | ***271.04 / 12*** | ***AUTO-CHLOR SYSTEM***
745 POPLAR AVE
MEMPHIS TN 38105 | ***ECHO***

FRS ID:	110013323607	**Facility Latitude:**	35.146135
Fac EPA Region:	04	**Facility Longitude:**	-90.035685
Facility County:	SHELBY		

Facility Details

Major Facility?:		**Air?:**	No
Active/Operating?:		**NPDES?:**	No
Compliance Status:	No Violation Identified	**SDWIS?:**	No
Signif Non Compl?:	N	**RCRA?:**	Yes
Programs with SNC:	0	**TRI?:**	No
Qtrs with NC:	0	**GHG?:**	No
3Yr Compliance Hist:	_____	**SIC Codes:**	
Formal Action Count:	0	**NAICS Codes:**	332999
Last Formal Action:		**FIPS Code:**	47157
Last EPA Formal Act:		**Indian/Tribal?:**	No
Last State Formal Act:		**Federal ?:**	
Informal Count:	0	**Federal Agency:**	
Last Informal Action:		**Chesapeake Bay?:**	
Last EPA Informal A:		**NAA?:**	No
Last State Informal A:		**Coordinate Method:**	ADDRESS MATCHING-HOUSE NUMBER
Total Penalties:	0	**Reference Point:**	ENTRANCE POINT OF A FACILITY OR STATION
Penalty Count:		**Accuracy (Meters):**	50
Date of Last Penalty:		**Inspection Count:**	0
Last Penalty Amount:		**Last Inspection:**	
myRTK Universe:	NNN	**Last EPA Inspection:**	
Dschg Impair Water?:		**Last State Inspection:**	
EJ Screen 80%:	Yes	**Days Last Inspection:**	
DFR URL:	http://echo.epa.gov/detailed-facility-report?fid=110013323607		

Resource Conservation and Recovery Act (RCRA)

RCRA ID(s):	TND007019482	**Penalties:**	
Permit Types:	Other	**Last Penalty Date:**	
RCRA NAICS:	332999	**Last Penalty Amt:**	
Inspection Count:		**Qtrs with NC:**	0

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Informal Count:
Formal Action Cnt:
Days since Last Evaluation:
Date of Last Formal Action:
3Yr Compl Qtrs History:

Compliance Status: No Violation Identified
SNC ?: No

Facility Details - Data Download

Compliance Status:	No Violation Identified	**Federal?:**	
Active/Operating:		**Federal Agency Nam:**	
SNC?:	No	**SIC Codes:**	
Qtrs in NC?:	0	**NAICS Codes:**	332999
Formal Action Cnt:	0	**EJ Screen 80%:**	11
Last Formal Action:		**Indian/Tribal?:**	N
Informal Count:	0	**Indian/Spatial?:**	No
Total Penalties:	0	**Tile Proxmty NPDES:**	86
Penalty Count:		**Tile Proximity NPL:**	91
Dt of Last Penalty:		**Tile Proximity RMP:**	81.7
Last Penalty Amt:		**Tile Proximty TSDF:**	89.6
Inspection Count:	0	**Tile O3:**	89.7
Dt of Last Inspect:		**Tile PM:**	89.1
RMP ID(s):		**Tile PCT Pre 1960:**	96.5
EIS ID(s):		**Tile DPM:**	93.7
SEMS IDs:		**Mapped:**	Yes
EPCRA Inspctns 5Yr:		**State County FIPS Cd:**	47157
FIFRA Inspctns 5Yr:		**County [FRS]:**	SHELBY COUNTY

NAA Stndr Classfd as Nonattn:
NAA Stndr Classfd Maintennc: Carbon Monoxide (1971); 1-Hour Ozone (1979); 8-Hour Ozone (2008)
Nonattain Pollutants in NAAs:
Maintenance Pollutants NAAs: Carbon Monoxide; Ozone
Within a Nonattaining NAA:
Within a Maintenance NAA: Y
Date of Last Inspection (EPA):
Dt Last Inspection(State/Local):
Days since Last Inspection:
DFR URL: https://echo.epa.gov/detailed-facility-report?fid=110013323607

Resource Conservation and Recovery Act (RCRA) - Data Download

RCRA ID(s):	TND007019482	**Informal Count:**	
Permit Type(s):	Other	**Formal Action Cnt:**	
Inspection Count:		**Penalties:**	
Compliance Status:	No Violation Identified		

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40 | ***1 of 1*** | ***SW*** | ***0.48 / 2,530.75*** | ***275.16 / 16*** | ***Le Bonhuer Faculty Office Building, 824 Adams St., Memphis TN*** | ***LUST***

Facility ID:	9799039	**Product Released:**	
Site No:	1	**Discovery Date:**	
Current Status:	1a Completed Tank Closure	**How Discovered:**	7 Environmental Audit
Cause:		**County:**	Shelby
CAC Company:			
Owner Name:			
Case Description:	Case Closed		

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41 | ***1 of 1*** | ***SW*** | ***0.50 / 2,632.07*** | ***268.11 / 9*** | ***THE MED ADAM'S BUILDING, 842 JEFFERSON AVENUE, Memphis TN 38103*** | ***LUST***

Facility ID:	9792354	**Product Released:**	
Site No:	1	**Discovery Date:**	NOV-01-1999
Current Status:	8 Case Closed	**How Discovered:**	1 At Closure

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Cause: 8 Other ***County:*** Shelby
CAC Company:
Owner Name: REGIONAL MEDICAL CENTER MEMPHIS
Case Description: Tank Closure

Unplottable Summary

Total: 1 Unplottable sites

DB	Company Name/Site Name	Address	City	Zip	ERIS ID
ERNS		I-40 ***NRC Report No:*** 1241653	MEMPHIS TN		879597690

Unplottable Report

Site:

I-40 MEMPHIS TN

ERNS

NRC Report No:	1241653	***Latitude Degrees:***	35
Type of Incident:	MOBILE	***Latitude Minutes:***	9
Incident Cause:	OTHER	***Latitude Seconds:***	0
Incident Date:	4/2/2019 8:20	***Longitude Degrees:***	90
Incident Location:		***Longitude Minutes:***	1
Incident Dtg:	DISCOVERED	***Longitude Seconds:***	23
Distance from City:		***Lat Quad:***	N
Distance Units:		***Long Quad:***	W
Direction from City:		***Location Section:***	
Location County:	SHELBY	***Location Township:***	
Potential Flag:	No	***Location Range:***	
Year:	Year 2019 Reports		

Description of Incident: CALLER REPORTED A MULTI VEHICLE ACCIDENT INVOLVING A TRACTOR TRAILER WHICH RESULTED IN A RUPTURED SADDLE TANK SPILLING DIESEL ONTO THE ROADWAY.

Material Spill Information

Chris Code:	OOD	***Unit of Measure:***	GALLON(S)
CAS No:	000000-00-0	***If Reached Water:***	NO
UN No:		***Amount in Water:***	
Name of Material:	OIL, FUEL: NO. 1-D	***Unit Reach Water:***	
Amount of Material:	55		

Calls Information

Date Time Received:	02-Apr-2019 10:35:00	***Responsible City:***	NASHVILLE
Date Time Complete:	02-Apr-2019 10:40:00	***Responsible State:***	TN
Call Type:	INC	***Responsible Zip:***	
Resp Company:	WESTERN EXPRESS	***Source:***	TELEPHONE
Resp Org Type:	PRIVATE ENTERPRISE		

Incident Information

Tank ID:		***Building ID:***	
Tank Regulated:	U	***Location Area ID:***	
Tank Regulated By:		***Location Block ID:***	
Capacity of Tank:		***OCSG No:***	
Capacity Tank Units:		***OCSP No:***	
Description of Tank:		***State Lease No:***	
Actual Amount:		***Pier Dock No:***	
Actual Amount Units:		***Berth Slip No:***	
Tank Above Ground:	ABOVE	***Brake Failure:***	U
NPDES:		***Airbag Deployed:***	U
NPDES Compliance:	U	***Transport Contain:***	U
Init Contin Rel No:		***Location Subdiv:***	
Contin Rel Permit:		***Platform Rig Name:***	
Contin Release Type:		***Platform Letter:***	
Aircraft ID:		***Allision:***	U
Aircraft Runway No:		***Type of Structure:***	
Aircraft Spot No:		***Structure Name:***	
Aircraft Type:		***Structure Oper:***	U
Aircraft Model:		***Transit Bus Flag:***	
Aircraft Fuel Cap:		***Date Time Norm Serv:***	
Aircraft Fuel Cap U:		***Serv Disrupt Time:***	
Aircraft Fuel on Brd:		***Serv Disrupt Units:***	
Aircraft Fuel OB U:		***CR Begin Date:***	

Aircraft Hanger:		***CR End Date:***	
Road Mile Marker:		***CR Change Date:***	
Power Gen Facility:	U	***FBI Contact:***	
Generating Capacity:		***FBI Contact Dt Tm:***	
Type of Fixed Obj:		***Passenger Handling:***	
Type of Fuel:		***Passenger Route:***	XXX
DOT Crossing No:		***Passenger Delay:***	XXX
DOT Regulated:	U	***Sub Part C Test Req:***	XXX
Pipeline Type:		***Conductor Test:***	
Pipeline Abv Ground:	ABOVE	***Engineer Test:***	
Pipeline Covered:	U	***Trainman Test:***	
Exposed Underwater:	N	***Yard Foreman Test:***	
Railroad Hotline:		***RCL Operator Test:***	
Railroad Milepost:		***Brakeman Test:***	
Grade Crossing:	U	***Train Dispat Test:***	
Crossing Device Ty:		***Signalman Test:***	
Ty Vehicle Involved:		***Oth Employee Test:***	
Device Operational:	U	***Unknown Test:***	

Incident Details Information

Release Secured:	Y	***State Agen Report No:***	840
Release Rate:		***State Agen on Scene:***	
Release Rate Unit:		***State Agen Notified:***	STATE AGENCY OF TN
Release Rate Rate:		***Fed Agency Notified:***	
Est Duration of Rel:		***Oth Agency Notified:***	
Desc Remedial Act:	CLEAN UP CREW ON-SITE	***Body of Water:***	
Fire Involved:	N	***Tributary of:***	
Fire Extinguished:	U	***Near River Mile Make:***	
Any Evacuations:	N	***Near River Mile Mark:***	
No Evacuated:		***Offshore:***	N
Who Evacuated:		***Weather Conditions:***	PARTLY CLOUDY
Radius of Evacu:		***Air Temperature:***	
Any Injuries:	N	***Wind Direction:***	
No. Injured:		***Wind Speed:***	
No. Hospitalized:		***Wind Speed Unit:***	
No. Fatalities:		***Water Supp Contam:***	U
Any Fatalities:	N	***Water Temperature:***	
Any Damages:	N	***Wave Condition:***	
Damage Amount:		***Current Speed:***	
Air Corridor Closed:	N	***Current Direction:***	
Air Corridor Desc:		***Current Speed Unit:***	
Air Closure Time:		***EMPL Fatality:***	
Waterway Closed:	N	***Pass Fatality:***	
Waterway Desc:		***Community Impact:***	
Waterway Close Time:		***Passengers Transfer:***	NO
Road Closed:	N	***Passenger Injuries:***	
Road Desc:		***Employee Injuries:***	
Road Closure Time:		***Occupant Fatality:***	
Road Closure Units:		***Sheen Size:***	
Closure Direction:		***Sheen Size Units:***	
Major Artery:	No	***Sheen Size Length:***	
Track Closed:	N	***Sheen Size Length U:***	
Track Desc:		***Sheen Size Width:***	
Track Closure Time:		***Sheen Size Width U:***	
Track Closure Units:		***Sheen Color:***	
Track Close Dir:		***Dir of Sheen Travel:***	
Media Interest:	UNKNOWN	***Sheen Odor Desc:***	
Medium Desc:	LAND	***Duration Unit:***	
Addl Medium Info:	ROADWAY	***Additional Info:***	

Appendix: Database Descriptions

Environmental Risk Information Services (ERIS) can search the following databases. The extent of historical information varies with each database and current information is determined by what is publicly available to ERIS at the time of update. ERIS updates databases as set out in ASTM Standard E1527-13 and E1527-21, Section 8.1.8 Sources of Standard Source Information:

"Government information from nongovernmental sources may be considered current if the source updates the information at least every 90 days, or, for information that is updated less frequently than quarterly by the government agency, within 90 days of the date the government agency makes the information available to the public."

Standard Environmental Record Sources

Federal

Formerly Utilized Sites Remedial Action Program: DOE FUSRAP

The U.S. Department of Energy (DOE) established the Formerly Utilized Sites Remedial Action Program (FUSRAP) in 1974 to remediate sites where radioactive contamination remained from the Manhattan Project and early U.S. Atomic Energy Commission (AEC) operations. The DOE Office of Legacy Management (LM) established long-term surveillance and maintenance (LTS&M) requirements for remediated FUSRAP sites. DOE evaluates the final site conditions of a remediated site on the basis of risk for different future uses. DOE then confirms that LTS&M requirements will maintain protectiveness.

Government Publication Date: Mar 4, 2017

National Priority List: NPL

Sites on the United States Environmental Protection Agency (EPA)'s National Priorities List of the most serious uncontrolled or abandoned hazardous waste sites identified for possible long-term remedial action under the Superfund program. The NPL, which EPA is required to update at least once a year, is based primarily on the score a site receives from EPA's Hazard Ranking System. A site must be on the NPL to receive money from the Superfund Trust Fund for remedial action. Sites are represented by boundaries where available in the EPA Superfund Site Boundaries maintained by the Shared Enterprise Geodata and Services (SEGS). Site boundaries represent the footprint of a whole site, the sum of all of the Operable Units and the current understanding of the full extent of contamination; for Federal Facility sites, the total site polygon may be the Facility boundary. Where there is no polygon boundary data available for a given site, the site is represented as a point.

Government Publication Date: May 25, 2022

National Priority List - Proposed: PROPOSED NPL

Sites proposed - by the EPA, the state agency, or concerned citizens - for addition to the NPL due to contamination by hazardous waste and identified by the Environmental Protection Agency (EPA) as a candidate for cleanup because it poses a risk to human health and/or the environment. Sites are represented by boundaries where available in the EPA Superfund Site Boundaries maintained by the Shared Enterprise Geodata and Services (SEGS). Site boundaries represent the footprint of a whole site, the sum of all of the Operable Units and the current understanding of the full extent of contamination; for Federal Facility sites, the total site polygon may be the Facility boundary. Where there is no polygon boundary data available for a given site, the site is represented as a point.

Government Publication Date: May 25, 2022

Deleted NPL: DELETED NPL

Sites deleted from the United States Environmental Protection Agency (EPA)'s National Priorities List. The National Oil and Hazardous Substances Pollution Contingency Plan (NCP) establishes the criteria that the EPA uses to delete sites from the NPL. In accordance with 40 CFR 300.425.(e), sites may be deleted from the NPL where no further response is appropriate. Sites are represented by boundaries where available in the EPA Superfund Site Boundaries maintained by the Shared Enterprise Geodata and Services (SEGS). Site boundaries represent the footprint of a whole site, the sum of all of the Operable Units and the current understanding of the full extent of contamination; for Federal Facility sites, the total site polygon may be the Facility boundary. Where there is no polygon boundary data available for a given site, the site is represented as a point.

Government Publication Date: May 25, 2022

SEMS List 8R Active Site Inventory: SEMS

The Superfund Program has deployed the Superfund Enterprise Management System (SEMS), which integrates multiple legacy systems into a comprehensive tracking and reporting tool. This inventory contains active sites evaluated by the Superfund program that are either proposed to be or are on the National Priorities List (NPL) as well as sites that are in the screening and assessment phase for possible inclusion on the NPL. The Active Site Inventory Report displays site and location information at active SEMS sites. An active site is one at which site assessment, removal, remedial, enforcement, cost recovery, or oversight activities are being planned or conducted.

Government Publication Date: Jun 30, 2022

Inventory of Open Dumps, June 1985: ODI

The Resource Conservation and Recovery Act (RCRA) provides for publication of an inventory of open dumps. The Act defines "open dumps" as facilities which do not comply with EPA's "Criteria for Classification of Solid Waste Disposal Facilities and Practices" (40 CFR 257).

Government Publication Date: Jun 1985

SEMS List 8R Archive Sites: SEMS ARCHIVE

The Superfund Enterprise Management System (SEMS) Archived Site Inventory displays site and location information at sites archived from SEMS. An archived site is one at which EPA has determined that assessment has been completed and no further remedial action is planned under the Superfund program at this time.

Government Publication Date: Jun 30, 2022

Comprehensive Environmental Response, Compensation and Liability Information System - CERCLIS: CERCLIS

Superfund is a program administered by the United States Environmental Protection Agency (EPA) to locate, investigate, and clean up the worst hazardous waste sites throughout the United States. CERCLIS is a database of potential and confirmed hazardous waste sites at which the EPA Superfund program has some involvement. It contains sites that are either proposed to be or are on the National Priorities List (NPL) as well as sites that are in the screening and assessment phase for possible inclusion on the NPL. The EPA administers the Superfund program in cooperation with individual states and tribal governments; this database is made available by the EPA.

Government Publication Date: Oct 25, 2013

EPA Report on the Status of Open Dumps on Indian Lands: IODI

Public Law 103-399, The Indian Lands Open Dump Cleanup Act of 1994, enacted October 22, 1994, identified congressional concerns that solid waste open dump sites located on American Indian or Alaska Native (AI/AN) lands threaten the health and safety of residents of those lands and contiguous areas. The purpose of the Act is to identify the location of open dumps on Indian lands, assess the relative health and environment hazards posed by those sites, and provide financial and technical assistance to Indian tribal governments to close such dumps in compliance with Federal standards and regulations or standards promulgated by Indian Tribal governments or Alaska Native entities.

Government Publication Date: Dec 31, 1998

CERCLIS - No Further Remedial Action Planned: CERCLIS NFRAP

An archived site is one at which EPA has determined that assessment has been completed and no further remedial action is planned under the Superfund program at this time. The Archive designation means that, to the best of EPA's knowledge, assessment at a site has been completed and that EPA has determined no further steps will be taken to list this site on the National Priorities List (NPL). This decision does not necessarily mean that there is no hazard associated with a given site; it only means that, based upon available information, the location is not judged to be a potential NPL site.

Government Publication Date: Oct 25, 2013

CERCLIS Liens: CERCLIS LIENS

A Federal Superfund lien exists at any property where EPA has incurred Superfund costs to address contamination ("Superfund site") and has provided notice of liability to the property owner. A Federal CERCLA ("Superfund") lien can exist by operation of law at any site or property at which EPA has spent Superfund monies. This database is made available by the United States Environmental Protection Agency (EPA). This database was provided by the United States Environmental Protection Agency (EPA). Refer to SEMS LIEN as the current data source for Superfund Liens.

Government Publication Date: Jan 30, 2014

RCRA CORRACTS-Corrective Action: RCRA CORRACTS

RCRA Info is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. At these sites, the Corrective Action Program ensures that cleanups occur. EPA and state regulators work with facilities and communities to design remedies based on the contamination, geology, and anticipated use unique to each site.

Government Publication Date: Jun 27, 2022

RCRA non-CORRACTS TSD Facilities: RCRA TSD

RCRA Info is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. This database includes Non-Corrective Action sites listed as treatment, storage and/or disposal facilities of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA).

Government Publication Date: Jun 27, 2022

RCRA Generator List: RCRA LQG

RCRA Info is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. RCRA Info replaces the data recording and reporting abilities of the Resource Conservation and Recovery Information System (RCRIS) and the Biennial Reporting System (BRS). A hazardous waste generator is any person or site whose processes and actions create hazardous waste (see 40 CFR 260.10). Large Quantity Generators (LQGs) generate 1,000 kilograms per month or more of hazardous waste or more than one kilogram per month of acutely hazardous waste.

Government Publication Date: Jun 27, 2022

RCRA Small Quantity Generators List: RCRA SQG

RCRA Info is the EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. RCRA Info replaces the data recording and reporting abilities of the Resource Conservation and Recovery Information System (RCRIS) and the Biennial Reporting System (BRS). A hazardous waste generator is any person or site whose processes and actions create hazardous waste (see 40 CFR 260.10). Small Quantity Generators (SQGs) generate more than 100 kilograms, but less than 1,000 kilograms, of hazardous waste per month.

Government Publication Date: Jun 27, 2022

RCRA Very Small Quantity Generators List: RCRA VSQG

RCRA Info is the EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. A hazardous waste generator is any person or site whose processes and actions create hazardous waste (see 40 CFR 260.10). Very Small Quantity Generators (VSQG) generate 100 kilograms or less per month of hazardous waste, or one kilogram or less per month of acutely hazardous waste. Additionally, VSQG may not accumulate more than 1,000 kilograms of hazardous waste at any time.

Government Publication Date: Jun 27, 2022

RCRA Non-Generators: RCRA NON GEN

RCRA Info is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. RCRA Info replaces the data recording and reporting abilities of the Resource Conservation and Recovery Information System (RCRIS) and the Biennial Reporting System (BRS). A hazardous waste generator is any person or site whose processes and actions create hazardous waste (see 40 CFR 260.10). Non-Generators do not presently generate hazardous waste.

Government Publication Date: Jun 27, 2022

RCRA Sites with Controls: RCRA CONTROLS

List of Resource Conservation and Recovery Act (RCRA) facilities with institutional controls in place. RCRA gives the U.S. Environmental Protection Agency (EPA) the authority to control hazardous waste from the "cradle-to-grave." This includes the generation, transportation, treatment, storage, and disposal of hazardous waste. RCRA also set forth a framework for the management of non-hazardous solid wastes. The 1986 amendments to RCRA enabled EPA to address environmental problems that could result from underground tanks storing petroleum and other hazardous substances.

Government Publication Date: Jun 27, 2022

Federal Engineering Controls-ECs: FED ENG

Engineering controls (ECs) encompass a variety of engineered and constructed physical barriers (e.g., soil capping, sub-surface venting systems, mitigation barriers, fences) to contain and/or prevent exposure to contamination on a property. This database is made available by the United States Environmental Protection Agency (EPA).

Government Publication Date: May 25, 2022

Federal Institutional Controls- ICs: FED INST

Institutional controls are non-engineered instruments, such as administrative and legal controls, that help minimize the potential for human exposure to contamination and/or protect the integrity of the remedy. Although it is EPA's (United States Environmental Protection Agency) expectation that treatment or engineering controls will be used to address principal threat wastes and that groundwater will be returned to its beneficial use whenever practicable, ICs play an important role in site remedies because they reduce exposure to contamination by limiting land or resource use and guide human behavior at a site.

Government Publication Date: May 25, 2022

Land Use Control Information System: LUCIS

The LUCIS database is maintained by the U.S. Department of the Navy and contains information for former Base Realignment and Closure (BRAC) properties across the United States.

Government Publication Date: Sep 1, 2006

Institutional Control Boundaries at NPL sites: NPL IC

Boundaries of Institutional Control areas at sites on the United States Environmental Protection Agency (EPA)'s National Priorities List, or Proposed or Deleted, made available by the EPA's Shared Enterprise Geodata and Services (SEGS). United States Environmental Protection Agency (EPA)'s National Priorities List of the most serious uncontrolled or abandoned hazardous waste sites identified for possible long-term remedial action under the Superfund program. Institutional controls are non-engineered instruments such as administrative and legal controls that help minimize the potential for human exposure to contamination and/or protect the integrity of the remedy.

Government Publication Date: May 25, 2022

Emergency Response Notification System: ERNS 1982 TO 1986

Database of oil and hazardous substances spill reports controlled by the National Response Center. The primary function of the National Response Center is to serve as the sole national point of contact for reporting oil, chemical, radiological, biological, and etiological discharges into the environment anywhere in the United States and its territories.

Government Publication Date: 1982-1986

Emergency Response Notification System: ERNS 1987 TO 1989

Database of oil and hazardous substances spill reports controlled by the National Response Center. The primary function of the National Response Center is to serve as the sole national point of contact for reporting oil, chemical, radiological, biological, and etiological discharges into the environment anywhere in the United States and its territories.

Government Publication Date: 1987-1989

Emergency Response Notification System: ERNS

Database of oil and hazardous substances spill reports made available by the United States Coast Guard National Response Center (NRC). The NRC fields initial reports for pollution and railroad incidents and forwards that information to appropriate federal/state agencies for response. These data contain initial incident data that has not been validated or investigated by a federal/state response agency.

Government Publication Date: Jun 5, 2022

The Assessment, Cleanup and Redevelopment Exchange System (ACRES) Brownfield Database: FED BROWNFIELDS

Brownfields are real property, the expansion, redevelopment, or reuse of which may be complicated by the presence or potential presence of a hazardous substance, pollutant, or contaminant. Cleaning up and reinvesting in these properties protects the environment, reduces blight, and takes development pressures off greenspaces and working lands. This database is made available by the United States Environmental Protection Agency (EPA).

Government Publication Date: Aug 20, 2021

FEMA Underground Storage Tank Listing: FEMA UST

The Federal Emergency Management Agency (FEMA) of the Department of Homeland Security maintains a list of FEMA owned underground storage tanks.

Government Publication Date: Dec 31, 2017

Facility Response Plan: FRP

List of facilities that have submitted Facility Response Plans (FRP) to EPA. Facilities that could reasonably be expected to cause "substantial harm" to the environment by discharging oil into or on navigable waters are required to prepare and submit Facility Response Plans (FRPs). Harm is determined based on total oil storage capacity, secondary containment and age of tanks, oil transfer activities, history of discharges, proximity to a public drinking water intake or sensitive environments.

Government Publication Date: Dec 31, 2021

Delisted Facility Response Plans: DELISTED FRP

Facilities that once appeared in - and have since been removed from - the list of facilities that have submitted Facility Response Plans (FRP) to EPA. Facilities that could reasonably be expected to cause "substantial harm" to the environment by discharging oil into or on navigable waters are required to prepare and submit Facility Response Plans (FRPs). Harm is determined based on total oil storage capacity, secondary containment and age of tanks, oil transfer activities, history of discharges, proximity to a public drinking water intake or sensitive environments.

Government Publication Date: Dec 31, 2021

Historical Gas Stations: HIST GAS STATIONS

This historic directory of service stations is provided by the Cities Service Company. The directory includes Cities Service filling stations that were located throughout the United States in 1930.

Government Publication Date: Jul 1, 1930

Petroleum Refineries: REFN

List of petroleum refineries from the U.S. Energy Information Administration (EIA) Refinery Capacity Report. Includes operating and idle petroleum refineries (including new refineries under construction) and refineries shut down during the previous year located in the 50 States, the District of Columbia, Puerto Rico, the Virgin Islands, Guam, and other U.S. possessions. Survey locations adjusted using public data.

Government Publication Date: Feb 4, 2022

Petroleum Product and Crude Oil Rail Terminals: BULK TERMINAL

List of petroleum product and crude oil rail terminals made available by the U.S. Energy Information Administration (EIA). Includes operable bulk petroleum product terminals located in the 50 States and the District of Columbia with a total bulk shell storage capacity of 50,000 barrels or more, and/or the ability to receive volumes from tanker, barge, or pipeline; also rail terminals handling the loading and unloading of crude oil that were active between 2017 and 2018. Petroleum product terminals comes from the EIA-815 Bulk Terminal and Blender Report, which includes working, shell in operation, and shell idle for several major product groupings. Survey locations adjusted using public data.

Government Publication Date: Feb 4, 2022

LIEN on Property: SEMS LIEN

The EPA Superfund Enterprise Management System (SEMS) provides LIEN information on properties under the EPA Superfund Program.

Government Publication Date: Jun 30, 2022

Superfund Decision Documents: SUPERFUND ROD

This database contains a listing of decision documents for Superfund sites. Decision documents serve to provide the reasoning for the choice of (or) changes to a Superfund Site cleanup plan. The decision documents include Records of Decision (ROD), ROD Amendments, Explanations of Significant Differences (ESD), along with other associated memos and files. This information is maintained and made available by the US EPA (Environmental Protection Agency).

Government Publication Date: May 3, 2022

State

Promulgated Sites: SHWS

The Promulgated List made available by Tennessee's Department of Environment and Conservation (TDEC) is a List of Inactive Hazardous Substance Sites. 'Inactive hazardous substance sites that constitute an imminent, substantial danger' is an inactive hazardous substance site where there is a threat of danger to the public health, safety, or environment which is both real and presently existing. This database is state equivalent NPL.

Government Publication Date: Jun 14, 2022

Delisted State Hazardous Waste Sites: DEL SHWS

This database contains a list of sites which have removed from The Promulgated Sites Listing maintained by Tennessee's Department of Environment and Conservation (TDEC).

Government Publication Date: Jun 14, 2022

Solid Waste Disposal Facilities and Landfills: SWF/LF

A list of permitted solid waste and landfill facilities made available by Tennessee's Department of Environment Conservation (TDEC).

Government Publication Date: Jun 2, 2022

Environmental Activities on USTs: LUST

The Tennessee Department of Environment and Conservation (TDEC) has made available a list of facilities where any type of environment-related activity has occurred due to a tank closure, or a suspected or confirmed release. The information in this list includes the facility's name and address when the environmental activities began, and the as well as the current status of the activities taking place.

Government Publication Date: Jul 6, 2022

Tennessee Petroleum Underground Storage Tank Fund: LUST TRUST

A list of facilities which have applied for reimbursement from the Tennessee Petroleum Underground Storage Tank Fund, made available by Tennessee Department of Environment and Conservation (TDEC).

Government Publication Date: Jul 6, 2022

Delisted Leaking Storage Tanks: DELISTED LST

This database contains a list of leaking storage tank sites and their Funds for reimbursement of costs related to assessment and cleanup that were removed from the Department of Environment and Conservation (TDEC) database.

Government Publication Date: Jul 6, 2022

Hazardous Waste Remedial Action Fund: HWRA

List of sites under the Hazardous Waste Remedial Action Fund (HWARF) program, maintained by Tennessee Department of Environement and Conservation (TDEC). The Division of Remediation uses the Fund to investigate and cleanup environmental problems caused by the release of hazardous substances into the environment.

Government Publication Date: Jun 14, 2022

Delisted Hazardous Waste Remedial Action Fund: DHWR

List of sites which once appeared on - and have since been removed from - the list of sites participating in the Hazardous Waste Remedial Action Fund, made available by Tennessee's Department of Environment and Conservation (TDEC).

Government Publication Date: Jun 14, 2022

Underground Storage Tanks: UST

A list of tank compartments that have been reported to the Division of Underground Storage Tanks in the Department of Environment and Conservation (DEC). Some of the compartments listed, are not regulated by state or federal regulations, because of the substance stored, the size of the compartment, its use, etc. This list is maintained by Tennessee Division of Underground Storage Tanks in DEC.

Government Publication Date: Jul 6, 2022

Delisted Storage Tanks: DEL STORAGE TNK

List of tank compartments is maintained by the Division of Underground Storage Tanks in the Department of Environment and Conservation (DEC). The department would remove a record if the compartment is not regulated. This list contains the non-regulated tank compartments that been removed from the department's tank database.

Government Publication Date: Jul 6, 2022

Sites Remediated with Institutional Controls: INST

List of remediated sites that have institutional controls in place. This list has been made available by Tennessee's Department of Environment and Conservation (TDEC).

Government Publication Date: Jun 14, 2022

Sites Remediated with Engineering Controls: ENG

This list made available by Tennessee's Department of Environment and Conservation (TDEC) is comprised of remediated sites that have engineering controls.

Government Publication Date: Jun 14, 2022

Voluntary Cleanup, Oversight and Assistance Program: VCP

The Voluntary Cleanup Oversight and Assistance Program (VOAP) overlooked by Tennessee's Department of Environment and Conservation (TDEC) offers people the opportunity to work proactively with state government to address necessary cleanup of a property to return it to productive use. In return for their efforts, participants can receive a No Further Action letter and a release of liability for areas where investigation and cleanup is conducted. This list is maintained by the Division of Remediation in Department of Environment and Conservation.

Government Publication Date: Jun 14, 2022

State Remediation Program List: SRP

The State Remediation Program (SRP) was established in 1994 within the Division of Solid Waste Management of the Department of Environmental Conservation (DEC) for the purpose of providing owners, prospective purchasers and other interested parties the means to voluntarily investigate, clean up or monitor contaminated sites not regulated under RCRA, CERCLA or the Tennessee Division of Underground Tanks (UST). This list maintained by Department of Environment and Conservation, Division of Solid waste Management - Site Remediation Program.

Government Publication Date: Jun 14, 2022

Division of Remediation Sites: REMEDIATION

List of remediation sites that are or have been under any of the program in Division of Remediation, Tennessee's Department of Environment and Conservation, including VOAP, DCERP, SRP, etc.

Government Publication Date: Jun 14, 2022

Tribal

Leaking Underground Storage Tanks (LUSTs) on Indian Lands: INDIAN LUST

LUSTs on Tribal/Indian Lands in Region 4, which includes Tennessee. There are no LUST records in Tennessee at this time.

Government Publication Date: Apr 12, 2019

Underground Storage Tanks (USTs) on Indian Lands: INDIAN UST

USTs on Tribal/Indian Lands in Region 4, which includes Tennessee. There are no UST records in Tennessee at this time.

Government Publication Date: Oct 14, 2017

Delisted Tribal Leaking Storage Tanks: DELISTED ILST

Leaking Underground Storage Tank facilities which have been removed from the Regional Tribal LUST lists made available by the EPA.

Government Publication Date: Apr 20, 2022

Delisted Tribal Underground Storage Tanks: DELISTED IUST

Underground Storage Tank facilities which have been removed from the Regional Tribal UST lists made available by the EPA.

Government Publication Date: Apr 20, 2022

County

No County standard environmental record sources available for this State.

Additional Environmental Record Sources

Federal

Drug Establishment Annual Registration: FDA REGISTRANT

A list of drug firms which manufacture, prepare, propagate, compound, or process drugs that are commercially distributed in the U.S. or offered for import to the U.S. Listing made available by the U.S. Food and Drug Administration (FDA). Includes historical records dating back to 2000. Includes only facilities which are located in the U.S.A.

Government Publication Date: Apr 9, 2019

Risk Management Plan (RMP) Rule: RMP

A list of facilities that are required to have a Risk Management Plan (RMP) in order to: identify the potential effects of chemical accidents, identify steps to prevent accidents and provide emergency response procedures should an accident occur. This list is provided by the EPA which is required by the Clean Air Act Amendments to publish regulations and guidance on chemical accident prevention.

Government Publication Date: Jun 28, 2021

Facility Registry Service/Facility Index: FINDS/FRS

The Facility Registry Service (FRS) is a centrally managed database that identifies facilities, sites, or places subject to environmental regulations or of environmental interest. FRS creates high-quality, accurate, and authoritative facility identification records through rigorous verification and management procedures that incorporate information from program national systems, state master facility records, and data collected from EPA's Central Data Exchange registrations and data management personnel. This list is made available by the Environmental Protection Agency (US EPA).

Government Publication Date: Nov 2, 2020

Toxics Release Inventory (TRI) Program: TRIS

The EPA's Toxics Release Inventory (TRI) is a database containing data on disposal or other releases of over 650 toxic chemicals from thousands of U. S. facilities and information about how facilities manage those chemicals through recycling, energy recovery, and treatment. One of TRI's primary purposes is to inform communities about toxic chemical releases to the environment.

Government Publication Date: Aug 24, 2021

Perfluorinated Alkyl Substances (PFAS) Releases: PFAS TRI

List of Toxics Release Inventory (TRI) facilities at which the reported chemical is a Per- or polyfluorinated alkyl substance (PFAS) included in the Environmental Protection Agency (EPA)'s consolidated PFAS Master List of PFAS Substances. The EPA's Toxics Release Inventory (TRI) is a database containing data on disposal or other releases of over 650 toxic chemicals from thousands of U.S. facilities and information about how facilities manage those chemicals through recycling, energy recovery, and treatment.

Government Publication Date: Aug 24, 2021

PFOA/PFOS Contaminated Sites: PFAS NPL

List of National Priorities List (NPL) and related Superfund Alternative Agreement (SAA) sites where PFOA or PFOS contaminants have been found in water and/or soil. The site listing is provided by the Federal Environmental Protection Agency (EPA).

Government Publication Date: Jul 18, 2022

Perfluorinated Alkyl Substances (PFAS) Water Quality: PFAS WATER

The Water Quality Portal (WQP) is a cooperative service sponsored by the United States Geological Survey (USGS), the Environmental Protection Agency (EPA), and the National Water Quality Monitoring Council (NWQMC). This listing includes records from the Water Quality Portal where the characteristic (environmental measurement) is in the Environmental Protection Agency (EPA)'s consolidated PFAS Master List of PFAS Substances.

Government Publication Date: Jul 20, 2020

SSEHRI PFAS Contamination Sites: PFAS SSEHRI

This PFAS Contamination Site Tracker database is compiled by the Social Science Environmental Health Research Institute (SSEHRI) at Northeastern University. According to the SSEHRI, the database records qualitative and quantitative data from each known site of PFAS contamination, including timeline of discovery, sources, levels, health impacts, community response, and government response. The goal of this database is to compile information and support public understanding of the rapidly unfolding issue of PFAS contamination. All data presented was extracted from government websites, news articles, or publicly available documents, and this is cited in the tracker. Disclaimer: The source conveys this database undergoes regular updates as new information becomes available, some sites may be missing and/or contain information that is incorrect or outdated, as well as their information represents all contamination sites SSEHRI is aware of, not all possible contamination sites. This data is not intended to be used for legal purposes. Limited location details are available with this data. Access the following for the most current informations https://pfasproject.com/pfas-contamination-site-tr acker/

Government Publication Date: Dec 12, 2019

National Response Center PFAS Spills: ERNS PFAS

National Response Center (NRC) calls from 1990 to the most recent complete calendar year where there is indication of Aqueous Film Forming Foam (AFFF) usage. NRC calls may reference AFFF usage in the "Material Involved" or "Incident Description" fields. Data made available by the US Environmental Protection Agency (EPA). Disclaimer: dataset may include initial or misidentified incident data not yet validated or investigated by a federal/state response agency.

Government Publication Date: Feb 23, 2022

Hazardous Materials Information Reporting System: HMIRS

US DOT - Department of Transportation Pipeline and Hazardous Materials Safety Administration (PHMSA) Incidents Reports Database taken from Hazmat Intelligence Portal, U.S. Department of Transportation.

Government Publication Date: Sep 1, 2020

National Clandestine Drug Labs: NCDL

The U.S. Department of Justice ("the Department") provides this data as a public service. It contains addresses of some locations where law enforcement agencies reported they found chemicals or other items that indicated the presence of either clandestine drug laboratories or dumpsites. In most cases, the source of the entries is not the Department, and the Department has not verified the entry and does not guarantee its accuracy.

Government Publication Date: Apr 30, 2022

Toxic Substances Control Act: TSCA

The Environmental Protection Agency (EPA) is amending the Toxic Substances Control Act (TSCA) section 8(a) Inventory Update Reporting (IUR) rule and changing its name to the Chemical Data Reporting (CDR) rule.

The CDR enables EPA to collect and publish information on the manufacturing, processing, and use of commercial chemical substances and mixtures (referred to hereafter as chemical substances) on the TSCA Chemical Substance Inventory (TSCA Inventory). This includes current information on chemical substance production volumes, manufacturing sites, and how the chemical substances are used. This information helps the Agency determine whether people or the environment are potentially exposed to reported chemical substances. EPA publishes submitted CDR data that is not Confidential Business Information (CBI).

Government Publication Date: Apr 11, 2019

Hist TSCA: HIST TSCA

The Environmental Protection Agency (EPA) is amending the Toxic Substances Control Act (TSCA) section 8(a) Inventory Update Reporting (IUR) rule and changing its name to the Chemical Data Reporting (CDR) rule.
The 2006 IUR data summary report includes information about chemicals manufactured or imported in quantities of 25,000 pounds or more at a single site during calendar year 2005. In addition to the basic manufacturing information collected in previous reporting cycles, the 2006 cycle is the first time EPA collected information to characterize exposure during manufacturing, processing and use of organic chemicals. The 2006 cycle also is the first time manufacturers of inorganic chemicals were required to report basic manufacturing information.
Government Publication Date: Dec 31, 2006

FTTS Administrative Case Listing: FTTS ADMIN
An administrative case listing from the Federal Insecticide, Fungicide, & Rodenticide Act (FIFRA) and Toxic Substances Control Act (TSCA), together known as FTTS. This database was obtained from the Environmental Protection Agency's (EPA) National Compliance Database (NCDB). The FTTS and NCDB was shut down in 2006.
Government Publication Date: Jan 19, 2007

FTTS Inspection Case Listing: FTTS INSP
An inspection case listing from the Federal Insecticide, Fungicide, & Rodenticide Act (FIFRA) and Toxic Substances Control Act (TSCA), together known as FTTS. This database was obtained from the Environmental Protection Agency's (EPA) National Compliance Database (NCDB). The FTTS and NCDB was shut down in 2006.
Government Publication Date: Jan 19, 2007

Potentially Responsible Parties List: PRP
Early in the cleanup process, the Environmental Protection Agency (EPA) conducts a search to find the potentially responsible parties (PRPs). EPA looks for evidence to determine liability by matching wastes found at the site with parties that may have contributed wastes to the site.
Government Publication Date: May 25, 2022

State Coalition for Remediation of Drycleaners Listing: SCRD DRYCLEANER
The State Coalition for Remediation of Drycleaners (SCRD) was established in 1998, with support from the U.S. Environmental Protection Agency (EPA) Office of Superfund Remediation and Technology Innovation. Coalition members are states with mandated programs and funding for drycleaner site remediation. Current members are Alabama, Connecticut, Florida, Illinois, Kansas, Minnesota, Missouri, North Carolina, Oregon, South Carolina, Tennessee, Texas, and Wisconsin. Since 2017, the SCRD no longer maintains this data, refer to applicable state source data where available.
Government Publication Date: Nov 08, 2017

Integrated Compliance Information System (ICIS): ICIS
The Integrated Compliance Information System (ICIS) is a system that provides information for the Federal Enforcement and Compliance (FE&C) and the National Pollutant Discharge Elimination System (NPDES) programs. The FE&C component supports the Environmental Protection Agency's (EPA) Civil Enforcement and Compliance program activities. These activities include Compliance Assistance, Compliance Monitoring and Enforcement. The NPDES program supports tracking of NPDES permits, limits, discharge monitoring data and other program reports.
Government Publication Date: Apr 30, 2022

Drycleaner Facilities: FED DRYCLEANERS
A list of drycleaner facilities from Enforcement and Compliance History Online (ECHO) online search. The Environmental Protection Agency (EPA) tracks facilities that possess NAIC and SIC codes that classify businesses as drycleaner establishments.
Government Publication Date: Jun 25, 2022

Delisted Drycleaner Facilities: DELISTED FED DRY
List of sites removed from the list of Drycleaner Facilities (sites in the EPA's Integrated Compliance Information System (ICIS) with NAIC or SIC codes identifying the business as a drycleaner establishment).
Government Publication Date: Jun 25, 2022

Formerly Used Defense Sites: FUDS
Formerly Used Defense Sites (FUDS) are properties that were formerly owned by, leased to, or otherwise possessed by and under the jurisdiction of the Secretary of Defense prior to October 1986, where the Department of Defense (DoD) is responsible for an environmental restoration. This list is published by the U.S. Army Corps of Engineers.
Government Publication Date: May 26, 2021

Former Military Nike Missile Sites: FORMER NIKE

This information was taken from report DRXTH-AS-IA-83A016 (Historical Overview of the Nike Missile System, 12/1984) which was performed by Environmental Science and Engineering, Inc. for the U.S. Army Toxic and Hazardous Materials Agency Assessment Division. The Nike system was deployed between 1954 and the mid-1970's. Among the substances used or stored on Nike sites were liquid missile fuel (JP-4); starter fluids (UDKH, aniline, and furfuryl alcohol); oxidizer (IRFNA); hydrocarbons (motor oil, hydraulic fluid, diesel fuel, gasoline, heating oil); solvents (carbon tetrachloride, trichloroethylene, trichloroethane, stoddard solvent); and battery electrolyte. The quantities of material a disposed of and procedures for disposal are not documented in published reports. Virtually all information concerning the potential for contamination at Nike sites is confined to personnel who were assigned to Nike sites. During deactivation most hardware was shipped to depot-level supply points. There were reportedly instances where excess materials were disposed of on or near the site itself at closure. There was reportedly no routine site decontamination.
Government Publication Date: Dec 2, 1984

PHMSA Pipeline Safety Flagged Incidents: PIPELINE INCIDENT

A list of flagged pipeline incidents made available by the U.S. Department of Transportation (US DOT) Pipeline and Hazardous Materials Safety Administration (PHMSA). PHMSA regulations require incident and accident reports for five different pipeline system types.
Government Publication Date: Jul 7, 2020

Material Licensing Tracking System (MLTS): MLTS

A list of sites that store radioactive material subject to the Nuclear Regulatory Commission (NRC) licensing requirements. This list is maintained by the NRC. As of September 2016, the NRC no longer releases location information for sites. Site locations were last received in July 2016.
Government Publication Date: May 11, 2021

Historic Material Licensing Tracking System (MLTS) sites: HIST MLTS

A historic list of sites that have inactive licenses and/or removed from the Material Licensing Tracking System (MLTS). In some cases, a site is removed from the MLTS when the state becomes an "Agreement State". An Agreement State is a State that has signed an agreement with the Nuclear Regulatory Commission (NRC) authorizing the State to regulate certain uses of radioactive materials within the State.
Government Publication Date: Jan 31, 2010

Mines Master Index File: MINES

The Master Index File (MIF) contains mine identification numbers issued by the Department of Labor Mine Safety and Health Administration (MSHA) for mines active or opened since 1971. Note that addresses may or may not correspond with the physical location of the mine itself.
Government Publication Date: Feb 1, 2022

Surface Mining Control and Reclamation Act Sites: SMCRA

An inventory of land and water impacted by past mining (primarily coal mining) is maintained by the Office of Surface Mining Reclamation and Enforcement (OSMRE) to provide information needed to implement the Surface Mining Control and Reclamation Act of 1977 (SMCRA). The inventory contains information on the location, type, and extent of Abandoned Mine Land (AML) impacts, as well as information on the cost associated with the reclamation of those problems. The inventory is based upon field surveys by State, Tribal, and OSMRE program officials. It is dynamic to the extent that it is modified as new problems are identified and existing problems are reclaimed.
Government Publication Date: Feb 22, 2022

Civil Enforcement Action Cases without Associated Facilities: CEA2

This database tracks civil, judicial, and administrative federal EPA enforcement cases, and is from the Integrated Compliance Information System. ICIS tracks enforcement actions taken against companies or individuals. Therefore, the ICIS case name may not exactly correspond to the facility name for ICIS records linked via FRS to facility records from other program office data systems.This dataset is provided by the EPA. This is a listing of cases where there are no facilities associated with a case.
Government Publication Date: Apr 30, 2022

Mineral Resource Data System: MRDS

The Mineral Resource Data System (MRDS) is a collection of reports describing metallic and nonmetallic mineral resources throughout the world. Included are deposit name, location, commodity, deposit description, geologic characteristics, production, reserves, resources, and references. This database contains the records previously provided in the Mineral Resource Data System (MRDS) of USGS and the Mineral Availability System/Mineral Industry Locator System (MAS/MILS) originated in the U.S. Bureau of Mines, which is now part of USGS. The USGS has ceased systematic updates of the MRDS database with their focus more recently on deposits of critical minerals while providing a well-documented baseline of historical mine locations from USGS topographic maps.
Government Publication Date: Mar 15, 2016

Uranium Mill Tailings Radiation Control Act Sites: URANIUM

The Legacy Management Office of the Department of Energy (DOE) manages radioactive and chemical waste, environmental contamination, and hazardous material at over 100 sites across the U.S. The L.M. Office manages this database of sites registered under the Uranium Mill Tailings Control Act (UMTRCA).

Government Publication Date: Mar 4, 2017

Alternative Fueling Stations: ALT FUELS

List of alternative fueling stations made available by the US Department of Energy's Office of Energy Efficiency & Renewable Energy. Includes Biodiesel stations, Ethanol (E85) stations, Liquefied Petroleum Gas (Propane) stations, Ethanol (E85) stations, Natural Gas stations, Hydrogen stations, and Electric Vehicle Supply Equipment (EVSE). The National Renewable Energy Laboratory (NREL) obtains information about new stations from trade media, Clean Cities coordinators, a Submit New Station form on the Station Locator website, and through collaborating with infrastructure equipment and fuel providers, original equipment manufacturers (OEMs), and industry groups.

Government Publication Date: Aug 1, 2022

Integrated Compliance Information System for Air: ICIA

ICIS-Air contains emissions, compliance, and enforcement data on stationary sources of air pollution. Regulated sources cover a wide spectrum; from large industrial facilities to relatively small operations such as dry cleaners (automobiles and other mobile air pollution sources are tracked by a different EPA system). ICIS-Air records included in the download files are those where the operating status is planned (has applied for a construction permit), under construction, operating, temporarily closed, seasonal, or permanently closed. This is provided by the EPA.

Government Publication Date: Jul 2, 2022

Superfunds Consent Decrees: CONSENT DECREES

A list of Superfund consent decrees made available by the Department of Justice, Environment & Natural Resources Division (ENRD).

Government Publication Date: May 18, 2022

Air Facility System: AFS

This EPA retired Air Facility System (AFS) dataset contains emissions, compliance, and enforcement data on stationary sources of air pollution. Regulated sources cover a wide spectrum; from large industrial facilities to relatively small operations such as dry cleaners. AFS does not contain data on facilities that are solely asbestos demolition and/or renovation contractors, or landfills. ECHO Clean Air Act data from AFS are frozen and reflect data as of October 17, 2014; the EPA retired this system for Clean Air Act stationary sources and transitioned to ICIS-Air.

Government Publication Date: Oct 17, 2014

Occupational Safety and Health Administration Enforcement Data: OSHA

This dataset includes information regarding the impetus for conducting the inspection, and details on citations and penalty assessments resulting from violations of OSHA standards. Additionally, accident investigation information is provided, including textual descriptions of the accident, and details regarding the injuries and fatalities which occurred. Provided by the US Department of Labor.

Government Publication Date: May 12, 2022

Civil Enforcement Actions: CEA

This database tracks civil, judicial, and administrative federal EPA enforcement cases, and is from the Integrated Compliance Information System. ICIS tracks enforcement actions taken against companies or individuals. Therefore, the ICIS case name may not exactly correspond to the facility name for ICIS records linked via FRS to facility records from other program office data systems.This dataset is provided by the EPA.

Government Publication Date: Nov 26, 2021

Criminal Enforcement Actions: CRIM

Criminal Enforcement Actions database that is maintained by the US environmental protection agency (EPA) which reports criminal enforcement cases for all environmental statutes

Government Publication Date: Jun 17, 2022

EPA Dockets: DOCKETS

The United States Environmental Protection Agency Docket data lists Civil Case Defendants, filing dates as far back as 1971, laws broken including section, violations that occurred, pollutants involved, penalties assessed and superfund awards by facility and location. The EPA DOCKETS system was decommissioned in 2002.

Government Publication Date: Dec 22, 2005

Permit Compliance System (PCS): PCS

Permit Compliance System (PCS) database that is maintained by US Environmental Protection Agency (EPA) provides historic water discharge permit information by state. The Permit Compliance System (PCS) is gradually being replaced by the modernized system called Integrated Compliance Information System (ICIS).

Government Publication Date: Nov 12, 2012

Federal National Pollutant Discharge Elimination System (NPDES): NPDES

ICIS-NPDES is an information management system maintained by the Office of Compliance at the US Environmental Protection Agency (EPA) to track permit compliance and enforcement status of facilities regulated by the National Pollutant Discharge Elimination System (NPDES) under the Clean Water Act (CWA). ICIS-NPDES is designed to support the NPDES program at the state, regional, and national levels.

Government Publication Date: Jan 15, 2022

Financial Assurance Summary: FINA

RCRA regulated Treatment, Storage, & Disposal (TSD) sites with Financial Assurance coverage, listed on the Financial Assurance Summary made available by the US Environmental Protection Agency (EPA).

Government Publication Date: May 26, 2022

Biennial Reporting System (BRS): BRS

The Biennial Reporting System (BRS) database manitained by the Environmental Protection Agency (EPA) that contains biennial reports submitted by generators of hazardous wastes and facilities that treat, store or dispose of hazardous wastes.

Government Publication Date: Dec 16, 2016

Registered Pesticide Establishments: SSTS

List of active EPA-registered foreign and domestic pesticide-producing and device-producing establishments based on data from the Section Seven Tracking System (SSTS). The Federal Insecticide, Fungicide, and Rodenticide Act (FIFRA) Section 7 requires that facilities producing pesticides, active ingredients, or devices be registered. The list of establishments is made available by the EPA.

Government Publication Date: Mar 30, 2022

Enforcement and Compliance Data (ECHO): ECHO

ECHO data focuses on compliance and enforcement-related information for regulated facilities, including permit data, inspection/compliance evaluation dates and findings, violations of environmental regulations, enforcement actions, and penalties assessed. The data encompasses facilities related to air emissions, surface water discharges, hazardous waste, and drinking water systems. The information contained in ECHO is made available to the public by the U.S. Environmental Protection Agency (EPA) for information purposes only.

Government Publication Date: May 5, 2021

Polychlorinated Biphenyl (PCB) Transformers: PCBT

Locations of Transformers Containing Polychlorinated Biphenyls (PCBs) registered with the United States Environmental Protection Agency. PCB transformer owners must register their transformer(s) with EPA. Although not required, PCB transformer owners who have removed and properly disposed of a registered PCB transformer may notify EPA to have their PCB transformer de-registered. Data made available by EPA.

Government Publication Date: Oct 15, 2019

Polychlorinated Biphenyl (PCB) Notifiers: PCB

Facilities included in the national list of facilities that have notified the United States Environmental Protection Agency (EPA) of Polychlorinated Biphenyl (PCB) activities. Any company or person storing, transporting or disposing of PCBs or conducting PCB research and development must notify the EPA and receive an identification number.

Government Publication Date: Jul 28, 2022

Civil Cases and Settlements: CIVIL CASES

A listing of significant civil and cleanup cases and settlements from 1998 and onwards, made available by the United States Environmental Protection Agency (US EPA). This is not a complete list of all enforcement actions taken by or on behalf of EPA. Rather, it represents a subset of enforcement cases, taken civil judicially or administratively, which may be of national interest. Most of the settlements are civil judicial consent decrees resolving alleged violations of environmental laws (e.g., the Clean Air Act, the Clean Water Act); this listing does not include: most administrative enforcement actions; most civil judicial cases resolving liability under CERCLA; criminal enforcement matters.

Government Publication Date: Jul 15, 2022

National Compliance Database System - Case Listings: NCDB CASE LIST

Case listings from the National Compliance Database System (NCDB), the historical repository for national data from the United States Environmental Protection Agency's ten regional and Headquarters FIFRA/TSCA Tracking System (FTTS). Data collected in the regional FTTS was transferred to NCDB to support the need for monitoring national performance of the following programs: Federal Insecticide, Fungicide, and Rodenticide Act (FIFRA), Toxic Substance Control Act (TSCA) , Emergency Planning and Right-to-Know Act, Section 313 (EPCRA) , Asbestos Hazard Emergency Response (AHERA). EPA's Integrated Compliance Information System (ICIS) is the current system of record for this data since 2006.

Government Publication Date: Sep 1, 2006

National Compliance Database Information - Facility Inspection: NCDB FAC INSP

Facility inspection information from the National Compliance Database (NCDB), the historical repository for national data from the United States Environmental Protection Agency's ten regional and Headquarters FIFRA/TSCA Tracking System (FTTS). Data collected in the regional FTTS was transferred to NCDB to support the need for monitoring national performance of the following programs: Federal Insecticide, Fungicide, and Rodenticide Act (FIFRA), Toxic Substance Control Act (TSCA) , Emergency Planning and Right-to-Know Act, Section 313 (EPCRA) , Asbestos Hazard Emergency Response (AHERA). Since October 2006, the EPA has been entering new inspection information into the Integrated Compliance Information System (ICIS), the current system of record for this data.

Government Publication Date: Sep 1, 2006

Hazardous Waste Compliance Docket Facilities: DOCKET HW

This list of the Federal Agency Hazardous Waste Compliance Docket Facilities is maintained by the United States Environmental Protection Agency (EPA). According to the EPA, Section 120(c) of CERCLA requires EPA to establish a listing, known as the Federal Facility Hazardous Waste Compliance Docket (Docket), of Federal facilities which are managing or have managed hazardous waste; or have had a release of hazardous waste. Thus, the Docket identifies all Federal facilities that must be evaluated to determine whether they pose a risk to human health and the environment and it makes this information available to the public.

Government Publication Date: May 6, 2021

State

NPDES Permit Listing: NPDES

A list of National Pollutant Discharge Elimination System (NPDES) permits made available by the Tennesse Department of Environment and Conservation.

Government Publication Date: Jul 7, 2022

Drycleaner Environmental Response Program Remediation Sites: PRIORITY CLEAN

Tennessee's Department of Environment and Conservation (TDEC) Division of Remediation operates a program called the Drycleaner Environmental Response Program (DCERP). This program keeps a list of DCERP remediation sites.

Government Publication Date: Jun 14, 2022

Delisted Drycleaner Environmental Response Program Remediation Sites: DELISTED DCER

The list of Drycleaner Environmental Response Program, maintained by the Tennessee's Department of Environment and Conservation Division of Remediation, would remove a record if the program finished the remediation. This list contains all such records that has finished remediation.

Government Publication Date: Jun 14, 2022

Registered Drycleaner Facilities List: DRYCLEANERS

The Drycleaner Environmental Response Program (DCERP) of the Department of Environment and Conservation maintains a list of registered drycleaner facilities.

Government Publication Date: Mar 7, 2022

Delisted Drycleaners List: DELISTED DRYCLEANERS

List of sites removed from the drycleaners database made available by the Department of Environmental and Conservation.

Government Publication Date: Mar 7, 2022

Registry of Contaminated Properties: CDL

The Department of Environment and Conservation (DEC) maintains a registry of all properties reported by a law enforcement agency that have been under order of quarantine for at least sixty (60) days. These properties have been quarantined due to the criminal activities associated with Clandestine Methamphetamine Laboratories (CML). This list is maintained by The Department of Environment and Conservation (TDEC).

Government Publication Date: Mar 4, 2022

Spills, Emergency Response Data: SPILLS

An inventory of spill locations reported to Tennessee Emergency Management Agency. This list made available by Tennessee Emergency Management Agency (TEMA).

Government Publication Date: Jul 22, 2015

Statewide Petroleum Incident Logging Section (SPILS) List: SPILS

Tenneessee's Statewide Petroleum Incident Logging Section (SPILS) is a new program within the Tennessee Department of Environment and Conservation (TDEC)'s Division of Solid Waste Management (DSWM). The SPILS program log incidents along Tennessee's roadways where a reportable quantity of petroleum products is released to the environment, ensuring that appropriate cleanup standards are applied, remediation activities are completed, and final reports detailing the response are received and reviewed.

Government Publication Date: Jun 2, 2022

Solid Waste Management (SWM) Complaints: SWM COMPLAINT

List of Solid Waste Management (SWM) complaints in the Tennessee Department of Environment & Conservation (TDEC) Dataviewer.

Government Publication Date: Jan 25, 2021

Hazardous Waste Management Facilities: HWM

List of Hazardous Waste Management Facilities made available by Tennessee's Department of Environment and Conservation. Includes Active, Inactive, Closed, Open, Operating, and Not Operating facilities. This is not a complete list of hazardous waste management facilities permits in the state of Tennessee.

Government Publication Date: May 26, 2022

Tribal

No Tribal additional environmental record sources available for this State.

County

No County additional environmental record sources available for this State.

Definitions

Database Descriptions: This section provides a detailed explanation for each database including: source, information available, time coverage, and acronyms used. They are listed in alphabetic order.

Detail Report: This is the section of the report which provides the most detail for each individual record. Records are summarized by location, starting with the project property followed by records in closest proximity.

Distance: The distance value is the distance between plotted points, not necessarily the distance between the sites' boundaries. All values are an approximation.

Direction: The direction value is the compass direction of the site in respect to the project property and/or center point of the report.

Elevation: The elevation value is taken from the location at which the records for the site address have been plotted. All values are an approximation. Source: Google Elevation API.

Executive Summary: This portion of the report is divided into 3 sections:

'Report Summary'- Displays a chart indicating how many records fall on the project property and, within the report search radii.

'Site Report Summary'-Project Property'- This section lists all the records which fall on the project property. For more details, see the 'Detail Report' section.

'Site Report Summary-Surrounding Properties'- This section summarizes all records on adjacent properties, listing them in order of proximity from the project property. For more details, see the 'Detail Report' section.

Map Key: The map key number is assigned according to closest proximity from the project property. Map Key numbers always start at #1. The project property will always have a map key of '1' if records are available. If there is a number in brackets beside the main number, this will indicate the number of records on that specific property. If there is no number in brackets, there is only one record for that property.

The symbol and colour used indicates 'elevation': the red inverted triangle will dictate 'ERIS Sites with Lower Elevation', the yellow triangle will dictate 'ERIS Sites with Higher Elevation' and the orange square will dictate 'ERIS Sites with Same Elevation.'

Unplottables: These are records that could not be mapped due to various reasons, including limited geographic information. These records may or may not be in your study area, and are included as reference.

Appendix D
Historical Documents

City of Memphis
TENNESSEE

Jim Strickland - Mayor

DIVISION OF FIRE SERVICES
Gina Y. Sweat – Fire Chief

"Teamwork with Commitment to Excellence, Compassion, and Immediate Community Protection"

August 30, 2022

ENSAFE
5724 Summer Trees Drive
Memphis, TN 38134

ATT: Steffen Matthews

Re: 295 Red Sox Lane

Sir/Madam:

Our research of your request regarding outstanding fire code violation, for the above address, 295 Red Sox shows that we have **f**iles for this location and **NO** outstanding violations. We show no records of hazardous storage, spill, releases, and underground/aboveground tanks in our office. If you need information about **fire reports,** please call **901.636.5429**, for all FOIA quick research email all inquiries to us at ***fire.prevention@memphistn.gov***. Last fire inspection completed 7.30.20.

Also, please be advised that the following fee schedule is applied for purchases of inspections, 1st page $10.00 each additional page-$1.00. Certified funds or money order must be made payable to City of Memphis, prior to release of records.

If this inspection is regarding hazardous materials for a property, you may contact the **SORT** office at **Fire Training at 901.636.5724**. I hope that this response adequately addresses your request. If there are any further questions, please contact our office at 901.636.5670.

Respectfully,

City of Memphis-Division of Fire Service

Patricia Alston, Office Assistant
Fire Prevention Bureau

City of Memphis
TENNESSEE

Jim Strickland - Mayor

DIVISION OF FIRE SERVICES
Gina Y. Sweat – Fire Chief

"Teamwork with Commitment to Excellence, Compassion, and Immediate Community Protection"

August 30, 2022

ENSAFE
5724 Summer Trees Drive
Memphis, TN 38134

ATT: Steffen Matthews

Re: 313 Decatur Street

Sir/Madam:

Our research of your request regarding outstanding fire code violation, for the above address, 313 Decatur shows that we have **f**iles for this location and **NO** outstanding violations. We show no records of hazardous storage, spill, releases, and underground/aboveground tanks in our office. If you need information about **fire reports,** please call **901.636.5429**, for all FOIA quick research email all inquiries to us at ***fire.prevention@memphistn.gov***. Last fire inspection completed 9.3.09.

Also, please be advised that the following fee schedule is applied for purchases of inspections, 1st page $10.00 each additional page-$1.00. Certified funds or money order must be made payable to City of Memphis, prior to release of records.

If this inspection is regarding hazardous materials for a property, you may contact the **SORT** office at **Fire Training at 901.636.5724**. I hope that this response adequately addresses your request. If there are any further questions, please contact our office at 901.636.5670.

Respectfully,

City of Memphis-Division of Fire Service

Patricia Alston, Office Assistant
Fire Prevention Bureau

City of Memphis
TENNESSEE

Jim Strickland - Mayor

DIVISION OF FIRE SERVICES
Gina Y. Sweat – Fire Chief

"Teamwork with Commitment to Excellence, Compassion, and Immediate Community Protection"

August 30, 2022

ENSAFE
5724 Summer Trees Drive
Memphis, TN 38134

ATT: Steffen Matthews

Re: 324 Decatur Street

Sir/Madam:

Our research of your request regarding outstanding fire code violation, for the above address, 324 Decatur shows that we have **no f**iles for this location and **NO** outstanding violations. We show no records of hazardous storage, spill, releases, and underground/aboveground tanks in our office. If you need information about **fire reports,** please call **901.636.5429**, for all FOIA quick research email all inquiries to us at ***fire.prevention@memphistn.gov***.

Also, please be advised that the following fee schedule is applied for purchases of inspections, 1st page $10.00 each additional page-$1.00. Certified funds or money order must be made payable to City of Memphis, prior to release of records.

If this inspection is regarding hazardous materials for a property, you may contact the **SORT** office at **Fire Training at 901.636.5724**. I hope that this response adequately addresses your request. If there are any further questions, please contact our office at 901.636.5670.

Respectfully,

City of Memphis-Division of Fire Service

Patricia Alston, Office Assistant
Fire Prevention Bureau

City of Memphis
TENNESSEE

Jim Strickland - Mayor

DIVISION OF FIRE SERVICES
Gina Y. Sweat – Fire Chief

"Teamwork with Commitment to Excellence, Compassion, and Immediate Community Protection"

August 30, 2022

ENSAFE
5724 Summer Trees Drive
Memphis, TN 38134

ATT: Steffen Matthews

Re: 992 Delmar Avenue

Sir/Madam:

Our research of your request regarding outstanding fire code violation, for the above address, 992 Delmar shows that we have **no f**iles for this location and **NO** outstanding violations. We show no records of hazardous storage, spill, releases, and underground/aboveground tanks in our office. If you need information about **fire reports,** please call **901.636.5429**, for all FOIA quick research email all inquiries to us at ***fire.prevention@memphistn.gov***.

Also, please be advised that the following fee schedule is applied for purchases of inspections, 1st page $10.00 each additional page-$1.00. Certified funds or money order must be made payable to City of Memphis, prior to release of records.

If this inspection is regarding hazardous materials for a property, you may contact the **SORT** office at **Fire Training at 901.636.5724**. I hope that this response adequately addresses your request. If there are any further questions, please contact our office at 901.636.5670.

Respectfully,

City of Memphis-Division of Fire Service

Patricia Alston, Office Assistant
Fire Prevention Bureau

City of Memphis
TENNESSEE

Jim Strickland - Mayor

DIVISION OF FIRE SERVICES
Gina Y. Sweat – Fire Chief

"Teamwork with Commitment to Excellence, Compassion, and Immediate Community Protection"

August 30, 2022

ENSAFE
5724 Summer Trees Drive
Memphis, TN 38134

ATT: Steffen Matthews

Re: 1010 Delmar Avenue

Sir/Madam:

Our research of your request regarding outstanding fire code violation, for the above address, 1010 Delmar shows that we have **no f**iles for this location and **NO** outstanding violations. We show no records of hazardous storage, spill, releases, and underground/aboveground tanks in our office. If you need information about **fire reports,** please call **901.636.5429**, for all FOIA quick research email all inquiries to us at ***fire.prevention@memphistn.gov***.

Also, please be advised that the following fee schedule is applied for purchases of inspections, 1st page $10.00 each additional page-$1.00. Certified funds or money order must be made payable to City of Memphis, prior to release of records.

If this inspection is regarding hazardous materials for a property, you may contact the **SORT** office at **Fire Training at 901.636.5724**. I hope that this response adequately addresses your request. If there are any further questions, please contact our office at 901.636.5670.

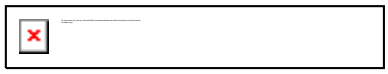
Respectfully,

City of Memphis-Division of Fire Service

Patricia Alston, Office Assistant
Fire Prevention Bureau

Steffen Matthews

From: TDEC.Public.Records.Request@tn.gov <noreply+a04c014575bbb6de@formstack.com>
Sent: Friday, August 26, 2022 4:10 PM
To: Steffen Matthews
Subject: Public Records Request



Formstack Submission For: Public Records Request (RDA SW35)

Submitted at 08/26/22 5:09 PM

Requestor's Name:	Steffen Matthews
Phone:	(901) 229-3291
Requestor's E-mail:	smatthews@ensafe.com
Is this request for information related to anticipated or existing litigation?:	No
Is the requestor a Tennessee citizen?:	Yes
Request::	Copy/Duplicate
If costs for copies are assessed, the requestor has a right to receive an estimate. Do you wish to waive your right to an estimate and agree to pay copying and production costs in an amount not to exceed the amount entered by the requestor below?:	No
If yes, then initial below:	
Dollar amount to not exceed:	
Delivery Preference::	Electronic

Select the FROM timeframe date or SPECIFIC DATE for the record(s) sought.:	Dec 01, 2021
Select the TO timeframe date, if needed.:	Aug 26, 2022
What type of record are you requesting?:	Division of Remediation and Division of Underground Storage Tanks files related to the following from December of 2021 to present: • McKenzie (Lane Auto Salvage) – 433 North Waldran – SWM Complaint No. 46636 • Dixie Homes – 916 Poplar Avenue, Memphis, TN - DOR Site ID: 79846, Facility ID: NRS790000198 • Exxon Mobil/Memphis Bulk Plant – 432 N Dunlap, Memphis, TN – DOR Site ID: SRS 790769, UST Facility ID: 9799001 • Church's Fried Chicken – 925 Poplar Ave, Memphis, TN – DOR Site ID: SRS790379 • Southern Steel – 431 Dunlap, Memphis, TN – DOR Site ID: SRS791072 • Memphis Mental Health Institute/Lebonheur Hospital – 865 Poplar, Memphis, TN – DOR Site ID: SRS791119 • BP/Amoco Oil Station # 767/# 18440 – 821 Poplar Avenue, Memphis, TN – UST Facility ID: 9791083 • Success Cleaners – 1000 Jefferson Avenue, Memphis, TN – DOR Site ID:79867 • Spic-N-Span Cleaners - 813-815 Poplar Avenue, Memphis, TN – DOR Site ID: 79217 • VA Medical Center – 1030 Jefferson Avenue, Memphis, TN – UST Facility ID: 790807, EPA ID: TNN000410932 • Memphis Steam Laundry – 941 Jefferson Avenue, Memphis, TN – DOR Site ID: 79855 • Auto Chlor System – 746 Poplar Avenue, Memphis, TN – UST Facility ID: 9790057, DOR Site IDs: 79774, SRS791083 • Extra Express Market/7-Eleven #25559 – 777 Poplar Avenue, Memphis, TN - UST Facility ID: 9791539 • Air Mask Service – 1010 Faxon/1010 Foxon, Memphis, TN - UST Facility ID: 9791109 • The Med Adam's Build – 842 Jefferson Avenue,

	Memphis, TN - UST Facility ID: 9792354 • Le Bonhuer Faculty Office Building – 824 Adams St, Memphis, TN - UST Facility ID: 979903
Environmental Site Assessment:	Yes
Location (City):	Memphis
Site ID:	79846, NRS790000198; SRS790769, 9799001; SRS790379; SRS791072; SRS791119; 9791083; 79867; 79217; 790807, TNN000410932; 79855; 9790057, 79774, SRS9791539; 9791109; 9792354; 979903
What subject matter or key words are related to the records being requested?:	Remediation, LUST, leaking underground storage tank, cleaners, dry cleaning
Do you know what Division this needs to go to?:	
If site specific, choose the county.:	Shelby County
If needed, upload any supporting documents or maps. :	
Signature of Requestor:	View Signature
Date/Time:	Aug 26, 2022 03:34 PM

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Formstack, 11671 Lantern Road, Suite 300, Fishers, IN 46038

Detailed Facility Report

Facility Summary

MEMPHIS HOUSING AUTHORITY-DIXIE HOME DEV

916 POPLAR AVE, MEMPHIS, TN 38105

FRS (Facility Registry Service) ID: 110004951589
EPA Region: 04
Latitude: 35.14527
Longitude: -90.029807
Locational Data Source: FRS
Industries: Special Trade Contractors
Indian Country: N

Enforcement and Compliance Summary

Statute	RCRA
Compliance Monitoring Activities (5 years)	--
Date of Last Compliance Monitoring Activity	12/14/1994
Compliance Status	No Violation Identified
Qtrs in Noncompliance (of 12)	0
Qtrs with Significant Violation	0
Informal Enforcement Actions (5 years)	--
Formal Enforcement Actions (5 years)	--
Penalties from Formal Enforcement Actions (5 years)	--
EPA Cases (5 years)	--
Penalties from EPA Cases (5 years)	--

Regulatory Information

Clean Air Act (CAA): No Information
Clean Water Act (CWA): No Information
Resource Conservation and Recovery Act (RCRA): Inactive Other, (TN0000033639)
Safe Drinking Water Act (SDWA): No Information
Go To Enforcement/Compliance Details
Known Data Problems

Other Regulatory Reports

Air Emissions Inventory (EIS): No Information
Greenhouse Gas Emissions (eGGRT): No Information
Toxic Releases (TRI): No Information
Compliance and Emissions Data Reporting Interface (CEDRI): No Information

Facility/System Characteristics

Facility/System Characteristics

System	Statute	Identifier	Universe	Status	Areas	Permit Expiration Date	Indian Country	Latitude	Longitude
FRS		110004951589					N	35.14527	-90.029807
RCRAInfo	RCRA	TN0000033639	Other	Inactive ( )			N		

Facility Address

System	Statute	Identifier	Facility Name	Facility Address	Facility County
FRS		110004951589	MEMPHIS HOUSING AUTHORITY-DIXIE HOME DEV	916 POPLAR AVE, MEMPHIS, TN 38105	Shelby County
RCRAInfo	RCRA	TN0000033639	MEMPHIS HOUSING AUTHORITY-DIXIE HOME DEV	916 POPLAR AVE, MEMPHIS, TN 38105	Shelby County

Facility SIC (Standard Industrial Classification) Codes

System	Identifier	SIC Code	SIC Description
No data records returned			

Facility NAICS (North American Industry Classification System) Codes

System	Identifier	NAICS Code	NAICS Description
RCRAInfo	TN0000033639	23521	Painting and Wall Covering Contractors

Facility Tribe Information

Reservation Name	Tribe Name	EPA Tribal ID	Distance to Tribe (miles)
No data records returned			

Enforcement and Compliance

Compliance Monitoring History

Last 5 Years

Statute	Source ID	System	Activity Type	Compliance Monitoring Type	Lead Agency	Date	Finding (if applicable)
No data records returned							

Entries in italics are not counted in EPA compliance monitoring strategies or annual results.

Compliance Summary Data

Statute	Source ID	Current SNC (Significant Noncompliance)/HPV (High Priority Violation)	Current As Of	Qtrs with NC (Noncompliance) (of 12)	Data Last Refreshed
RCRA	TN0000033639	No	08/27/2022	0	08/26/2022

Three-Year Compliance History by Quarter

Statute	Program/Pollutant/Violation Type		QTR 1	QTR 2	QTR 3	QTR 4	QTR 5	QTR 6	QTR 7	QTR 8	QTR 9	QTR 10	QTR 11	QTR 12+
RCRA (Source ID: TN0000033639)			10/01-12/31/19	01/01-03/31/20	04/01-06/30/20	07/01-09/30/20	10/01-12/31/20	01/01-03/31/21	04/01-06/30/21	07/01-09/30/21	10/01-12/31/21	01/01-03/31/22	04/01-06/30/22	07/01-09/30/22
	Facility-Level Status		No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified
	Violation	Agency												

Informal Enforcement Actions

Last 5 Years

Statute	System	Source ID	Type of Action	Lead Agency	Date
No data records returned					

Entries in italics are not counted as "informal enforcement actions" in EPA policies pertaining to enforcement response tools.

Formal Enforcement Actions

Last 5 Years

Statute	System	Law/Section	Source ID	Type of Action	Case No.	Lead Agency	Case Name	Issued/Filed Date	Settlements/Actions	Settlement/Action Date	Federal Penalty Assessed	State/Local Penalty Assessed	Penalty Amount Collected	SEP Cost	Comp Action Cost
No data records returned															

Environmental Conditions

Watersheds

12-Digit WBD (Watershed Boundary Dataset) HUC (RAD (Reach Address Database))	WBD (Watershed Boundary Dataset) Subwatershed Name (RAD (Reach Address Database))	State Water Body Name (ICIS (Integrated Compliance Information System))	Beach Closures Within Last Year	Beach Closures Within Last Two Years	Pollutants Potentially Related to Impairment	Watershed with ESA (Endangered Species Act)-listed Aquatic Species?
No data records returned						

Assessed Waters From Latest State Submission (ATTAINS)

State	Report Cycle	Assessment Unit ID	Assessment Unit Name	Water Condition	Cause Groups Impaired	Drinking Water Use	Aquatic Life	Fish Consumption Use	Recreation Use	Other Use
No data records returned										

Air Quality Nonattainment Areas

Pollutant	Within Nonattainment Status Area?	Nonattainment Status Applicable Standard(s)	Within Maintenance Status Area?	Maintenance Status Applicable Standard(s)
Ozone	No	--	Yes	1-Hour Ozone (1979); 8-Hour Ozone (2008)
Lead	No	--	No	--
Particulate Matter	No	--	No	--
Carbon Monoxide	No	--	Yes	Carbon Monoxide (1971)
Sulfur Dioxide	No	--	No	--

Pollutants

Toxics Release Inventory History of Reported Chemicals Released in Pounds per Year at Site

TRI Facility ID	Year	Total Air Emissions	Surface Water Discharges	Off-Site Transfers to POTWs (Publicly Owned Treatment Works)	Underground Injections	Releases to Land	Total On-Site Releases	Total Off-Site Transfers
No data records returned								

Toxics Release Inventory Total Releases and Transfers in Pounds by Chemical and Year

Chemical Name

No data records returned

Community

EJScreen EJ Indexes

Twelve environmental justice (EJ) indexes of EJScreen, EPA's screening tool for EJ concerns. EPA uses these indexes to identify geographic areas that may warrant further consideration or analysis for potential EJ concerns. The index values below are for the Census block group or 1-mile maximum (US or State) in which the facility is located. Note that use of these indexes does not designate an area as an "EJ community" or "EJ facility." EJScreen provides screening level indicators, not a determination of the existence or absence of EJ concerns. For more information, see the EJScreen home page.

Show EJ Indexes calculated based on: Census Block Group - US

Census Block Group EJ Indexes (percentile)	
Particulate Matter 2.5	78.4
Ozone	78.8
Diesel Particulate Matter	83.1
Air Toxics Cancer Risk	85.3
Air Toxics Respiratory Hazard Index	84.3
Traffic Proximity	95
Lead Paint	86
Risk Management Plan (RMP) Facility Proximity	74.8
Hazardous Waste Proximity	93.6
Superfund Proximity	86.3
Underground Storage Tanks (UST)	89
Wastewater Discharge	--

Number of EJ Indexes Above 80th Percentile
8

View EJScreen Report (US/regional/state percentiles, 1-mile average)

Demographic Profile of Surrounding Area (1 mile)

This section provides demographic information regarding the community surrounding the facility. ECHO compliance data alone are not sufficient to determine whether violations at a particular facility had negative impacts on public health or the environment. Statistics are based upon the 2010 U.S. Census and 2015 - 2019 American Community Survey (ACS) 5-year Summary and are accurate to the extent that the facility latitude and longitude listed below are correct. EPA's spatial processing methodology considers the overlap between the selected radii and the census blocks (for U.S. Census demographics) and census block groups (for ACS demographics) in determining the demographics surrounding the facility. For more detail about this methodology, see the DFR Data Dictionary.

General Statistics (U.S. Census)	
Total Persons	13,041
Population Density	4,167/sq.mi.
Housing Units in Area	7,163

General Statistics (ACS (American Community Survey))	
Total Persons	12,337
Percent People of Color	78%
Households in Area	6,139
Households on Public Assistance	170
Persons With Low Income	7,072
Percent With Low Income	64%

Geography	
Radius of Selected Area	1 mi.
Center Latitude	35.14527
Center Longitude	-90.029807
Land Area	100%
Water Area	0%

Income Breakdown (ACS (American Community Survey)) - Households (%)	
Less than $15,000	2,320 (37.81%)
$15,000 - $25,000	1,025 (16.7%)
$25,000 - $50,000	1,358 (22.13%)
$50,000 - $75,000	581 (9.47%)
Greater than $75,000	852 (13.89%)

Age Breakdown (U.S. Census) - Persons (%)	
Children 5 years and younger	690 (5%)
Minors 17 years and younger	2,054 (16%)
Adults 18 years and older	10,987 (84%)
Seniors 65 years and older	1,205 (9%)

Race Breakdown (U.S. Census) - Persons (%)	
White	2,293 (18%)
African-American	9,318 (71%)
Hispanic-Origin	845 (6%)
Asian/Pacific Islander	530 (4%)
American Indian	45 (0%)
Other/Multiracial	855 (7%)

Education Level (Persons 25 & older) (ACS (American Community Survey)) - Persons (%)	
Less than 9th Grade	599 (6.73%)
9th through 12th Grade	1,366 (15.35%)
High School Diploma	2,678 (30.09%)
Some College/2-year	1,802 (20.25%)
B.S./B.A. (Bachelor of Science/Bachelor of Arts) or More	2,079 (23.36%)

LAST UPDATED ON AUGUST 4, 2022

DATA REFRESH INFORMATION

Appendix E
Physical Setting Documents

PROPOSAL CLIENT CHECKLIST
ASTM E 1527-13 Phase I Environmental Site Assessment

Mark X	1. Applicability
	Please identify from the list below all applicable reasons for requesting this Phase I Environmental Site Assessment:
☐	a. Person seeking to establish the innocent landowner defense to CERCLA
☐	b. Person seeking to establish the bona fide prospective purchaser liability protection
☐	c. Person seeking to establish the contiguous property owner liability protection
☐	d. Person conducting site characterization and assessments with the use of a (Brownfields) grant awarded under CERCLA
☒	e. As part of due diligence prior to purchase
☒	f. To obtain financing
☐	g. Prior to selling the property
☐	h. Renewing a lease
☐	i. Terminating a lease or vacating a property
☐	j. In anticipation of a property/business ownership transaction
☐	k. To establish baseline conditions at the property
☐	l. To identify potential business environmental risks associated with the property
☒	m. Other (please explain) (4% LIHTC Application with THDA)

Yes	No	2. Communication Responsibilities
		The user of the Phase I ESA is responsible for obtaining the following information that will help the environmental professional (EnSafe) identify the possibility of recognized environmental conditions. Answers may be conveyed verbally or in writing.
☒	☐	a. Are there any environmental cleanup liens or activity and land-use limitations filed or recorded against the subject property under federal, tribal, state, or local law, based on review of recorded land titles and judicial lien records? If yes, **<enter text here>** Title Review is under way. to determine any and all environmental cleanup liens or activity and land-use limitations filed or recorded against the subject property. Entire site is subject to BVA
☒	☐	b. Do you have any specialized knowledge or experience related to the property or nearby properties? For example, are you involved in the same line of business as the current or former occupants of the property or an adjoining property so that you would have specialized knowledge of the chemicals and processes used by this type of business? If yes, **<enter text here>** Property was subject to environmental remediation as part of redevelopment project. Specific site is subject to a witness barrier (part of O&M Plan). Conducting ESA Phase I to determine any environmental issues on remaiing portion as part of due diligence for Tax Credit Application
☐	☐	c. Does the purchase price being paid for this property reasonably reflect the fair market value of the property? In other words, what is the relationship of the purchase price to the fair market value of the property, if the property were not contaminated? Long-term , nominal ground lease anticipated with the land owner (Memphis Housing Authority) - as part of Tax Credit Transaction (New Construction)
☐	☐	If you conclude that there is a difference, is the lower purchase price related to contamination that is known or believed to be present at the property? N/A
☒	☐	d. Are you aware of commonly known or reasonably ascertainable information about the property that would help the environmental professional to identify conditions indicative of releases or threatened releases? For example, (i.) What are the past uses of the property? Former Public Housing Site (ii.) What specific chemicals are present or once were present at the property? (iii.) Do you know of spills or other chemical releases that have taken place at the property? (iv.) Do you know of any environmental cleanups that have taken place at the property? (v.) Do you have other information relevant to the ESA? **<enter text here>**
☒	☐	e. Based on your knowledge and experience related to the property are there any obvious indicators that point to the presence or likely presence of releases at the property? If yes, **<enter text here>** The overall site is subject to a Brownfield Voluntary Agreement and a witness barrier/O&M Plan that was provided to the environmental consultant. A portion of the specific site has a witness barrier delineated area.

Mark X	3. Special Reporting Requirements (if applicable)
	Specify whether you, your client, and/or lender have special requirements for the ESA, beyond that of 40 CFR 312.
☒	a. No additional requirements apply to this Phase I ESA.
☒	b. Additional requirements apply and have been attached. Project has HUD financing and NHTF financing

PROPOSAL CLIENT CHECKLIST
ASTM E 1527-13 Phase I Environmental Site Assessment

Mark X	4. ASTM Non-Scope Consideration and Risk Issues
	Please review the following list of business environmental risk issues. If you desire any of these issues be addressed, please check the appropriate box, and an EnSafe representative will contact you, as necessary, to discuss further and determine whether modifications to the attached cost estimate will be necessary.
☐	a. Asbestos-Containing Materials
☐	b. Biological Agents
☐	c. Cultural and Historic Resources
☐	d. Ecological Resources
☐	e. Emerging contaminants (including substances not defined by CERCLA as hazardous substances, e.g., PFAS)
☐	f. Endangered Species
☐	g. Environmental Regulatory Compliance
☐	h. Health and Safety Compliance
☐	i. Indoor Air Quality
☐	j. Industrial Hygiene
☐	k. Lead-Based Paint
☐	l. Lead in Drinking Water
☐	m. Mold
☐	n. Radon
☐	o. Vapor Intrusion
☐	p. Wetlands
☐	q. Other (please specify) **<enter text here>**
☒	r. We do not desire additional consideration for non-scope items in the Phase I ESA report.

Yes	No	5. SBA Environmental Investigation
☐	☒	Is this Phase I ESA being conducted to satisfy environmental policy requirements of the Small Business Administration (SBA), or is SBA otherwise involved in lender or development aspects of this property?

6. Report Addressed

Please specify the following information for each person/company/entity to which the report must be addressed. This information will appear on the title page of the report.

Name: Brian Thomas
Title: Developer
Company: Pennrose
Address: 675 Ponce de Leon Avenue, NE, Suite 8500,
City, State Zip: Atlanta, GA, 30308
Phone: 404-759-1733
Email: bthomas@pennrose.com

7. Report Distribution

Reports will be provided electronically, unless otherwise specified. Email reports to: bthomas@pennrose.com; mstraub@pennrose.com
If hard copies are requested, please provide name, company, and shipping address: dpayne@memphisha.org; lphillips@memphisha.org

8. Site Contact(s)

Please identify contact information for EnSafe to gain access to the property:

Deborah Payne, Memphis Housing Authority
Phone: 901-544-1827

9. Property Location Description

Please provide a site description and/or "as-is" site map showing the property boundaries and developments.

Provided previously

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February 28, 2022

Mr. Brian Thomas
PennRose
675 Ponce de Leon Avenue NE, Suite 8500
Atlanta, Georgia 30308

Re: Phase I Environmental Site Assessment Report
Block A of the Legends Park Subdivision — Memphis, Tennessee

Dear Mr. Thomas,

EnSafe is pleased to provide the enclosed Phase I Environmental Site Assessment Report. If you have any questions or require additional information, please contact me at 901-372-7962 or bkathir@ensafe.com.

Respectfully submitted,

EnSafe Inc.

Allison L Harris

By: Allison Harris
Senior Project Manager

PHASE I ENVIRONMENTAL SITE ASSESSMENT REPORT

LEGENDS PARK SUBDIVISION
BLOCK A
MEMPHIS, TENNESSEE 38105

EnSafe Project Number:
0888830988

Prepared for:

PENNROSE
50 YEARS
Bricks & Mortar | Heart & Soul

PennRose
675 Ponce de Leon Avenue NE, Suite 8500
Atlanta, Georgia 30308

Issue Date: February 28, 2022

5724 Summer Trees Drive
Memphis, Tennessee 38134
901-372-7962 | 800-588-7962
www.ensafe.com

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PHASE I ENVIRONMENTAL SITE ASSESSMENT REPORT

LEGENDS PARK SUBDIVISION
BLOCK A
MEMPHIS, TENNESSEE 38105

EnSafe Project Number:
0888830988

Prepared for:

PENNROSE
50 YEARS Bricks & Mortar | Heart & Soul

PennRose
675 Ponce de Leon Avenue NE, Suite 8500
Atlanta, Georgia 30308

Issue Date: February 28, 2022

Allison Harris
Senior Project Manager,
Environmental Professional

Allison L Harris
Signature

Environmental Professional Statement:
We declare that, to the best of our professional knowledge and belief, we meet the definition of Environmental Professional as defined in §312.10 of 40 CFR 312. We have the specific qualifications based on education, training, and experience to assess a property of the nature, history, and setting of the subject property. We have developed and performed the all appropriate inquiries in conformance with the standards and practices set forth in 40 CFR Part 312.

Bavani Kathir
Geologist

Prepared by:

EnSafe Inc.
5724 Summer Trees Drive
Memphis, Tennessee 38134
901-372-7962 | 800-588-7962
www.ensafe.com

ENSAFE

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EXECUTIVE SUMMARY

EnSafe Inc. performed a Phase I Environmental Site Assessment (ESA) of Block A of the Legends Park Subdivision in Memphis, Shelby County, Tennessee (subject property) in general conformance with the ASTM International (ASTM) *Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process* Designation E1527-13[1] (ASTM 2013). The goal of this Phase I ESA is to identify evidence of *recognized environmental conditions*.[2] Additionally, EnSafe reviewed information regarding non-scope issues related to compliance with National Environmental Policy Act environmental factors following National Housing Trust Fund guidance. The findings, conclusions, and environmental professional opinion in this Phase I ESA report result from interviews; historical, government, and physical setting resource review; and subject property reconnaissance on December 1 and 8, 2021.

This environmental assessment has identified the following associated with the subject property:

- The Brownfield Voluntary Agreement (BVA) Site 79-846 includes the subject property. The BVA executed on September 29, 2009, outlines environmental conditions identified hydraulically upgradient (south) of the site that include 1) chlorinated solvent and petroleum impacts to groundwater; and 2) the presence of hydrocarbons and dry cleaning solvents in soil gas. Because the site may not have been fully characterized, a Notification of Land Use Restrictions has been imposed. As it applies to the subject property, this Land Use Restriction 1) prohibits the installation of water wells and use of groundwater at the subject property, 2) in the event of the discovery of contaminants in soil at the subject property, the soil must be managed in accordance with a Tennessee Department of Environmental Conservation (TDEC)-approved soil management plan, and 3) may require the installation of soil vapor mitigation systems for buildings constructed at the subject property.

- Minkie Jos, a former clothes cleaner and presser, has been identified at the subject property in environmental database records and historical city directories for the year 1921 (EnSafe 2020). No additional information was provided in the database records; however, it is important to note that historical documents identify a storefront at this address, which could potentially have been operated as a dry cleaner.

- On the south-adjoining property, one address (311 Decatur Street) was identified in the 1932 city directory as Gordon Cleaners and Dyers, a former clothes cleaner and presser. No additional information is provided in historical records reviewed; however, it is important to note that historical fire insurance maps identify a storefront at this address in 1907, and Gordon Cleaners may have operated as a dry cleaner.

- The west and south-adjoining properties are located within BVA Site ID 79-846. Based on TDEC records reviewed, PAH-impacted soils were used as geotechnical fill material on the west-adjacent property. In accordance with BVA Site ID 79-846, to prevent exposure to the

1 ASTM issued E1527-21 on November 1, 2021; however, EnSafe will continue to use E1527-13 until the United States Environmental Protection Agency approves the use of E1527-21 to comply with the requirements for all appropriate inquiries under 40 Code of Federal Regulations 312.

2 ASTM defines a *recognized environmental condition* as "the presence or likely presence of any hazardous substances or petroleum products in, on, or at a property: due to any release to the environment; under conditions indicative of a release to the environment; or under conditions that pose a material threat of a future release to the environment."

PAH contaminants, the soil is contained beneath an orange "witness barrier" (safety fencing) and clean fill material.

- The surrounding area has been developed with residential, commercial, and light industrial properties since at least 1897. Various commercial/light industrial businesses such as gasoline stations, automobile repair and service shops, and dry cleaners have operated on surrounding area properties that are expected to have used and possibly stored regulated materials including solvents and other hazardous substances/petroleum products. A total of 17 sites, beyond the subject property and adjoining properties, were identified on environmental databases as having documented releases of hazardous substances and/or petroleum products.

This assessment has revealed evidence of the following *recognized environmental condition* and *controlled recognized environmental condition* in connection with the subject property: [3]

- BVA Site ID 79-846 includes the subject property and adjoining properties west and south of the subject property. The BVA outlines environmental conditions identified upgradient of these properties that include 1) chlorinated solvent and petroleum impacts to groundwater, and 2) the presence of hydrocarbons and dry-cleaning solvents in soil gas. Additionally, numerous sites in the subject property surrounding area have reported releases of hazardous substances and/or petroleum products. Given the BVA and number of sites in the subject property area with reported releases of hazardous substances and/or petroleum products, the potential exists for regional groundwater contamination which constitutes a *recognized environmental condition* for the subject property.

- The subject property is subject to Land Use Restrictions that 1) prohibit the installation of water wells and use of groundwater at the subject property, 2) in the event of the discovery of contaminants in soil at the subject property, the soil must be managed in accordance with a TDEC-approved soil management plan, and 3) may require the installation of soil vapor mitigation systems on buildings constructed at the subject property. Therefore, the land use restrictions are considered a *controlled recognized environmental condition*.

This executive summary is an excerpt of a detailed Phase I ESA report that includes elements necessary for proper interpretation, including any limitations, exceptions, and deletions to ASTM 2013 and established scope of work. As such, the executive summary should not be used independently of the Phase I ESA report and its supporting documentation.

[3] ASTM defines a *controlled recognized environmental condition* as "a *recognized environmental condition* resulting from a past release of hazardous substances or petroleum products that has been addressed to the satisfaction of the applicable regulatory authority (for example, as evidenced by the issuance of a no further action letter or equivalent, or meeting risk-based criteria established by regulatory authority), with hazardous substances or petroleum products allowed to remain in place subject to the implementation of required controls (for example, property use restrictions, activity and use limitations, institutional controls, or engineering controls)."

1.0 INTRODUCTION

EnSafe Inc. was retained by PennRose to conduct a Phase I Environmental Site Assessment (ESA) of Block A of the Legends Park Subdivision in Memphis, Shelby County, Tennessee (subject property), as shown on Figure 1 (Appendix A). The subject property consists of approximately 4 acres of a 4.77-acre vacant grass-covered parcel identified as Shelby County Parcel 051017 00018 which occupies most of a city block bound by Peach Avenue, Decatur Street, Delmar Avenue, and Ayers Street. Figure 2 (Appendix A) is a Site Layout Map, which shows the subject property and surrounding area.

1.1 Purpose

The subject property was assessed with respect to the range of contaminants within the scope of the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA), and petroleum products. This assessment is intended to constitute all appropriate inquiries (AAI) into the previous ownership and uses of the property consistent with good commercial and customary practice as defined in 42 United States Code Section 9601 (35)(B) and promulgated at 40 Code of Federal Regulations Part 312 (AAI Final Rule). As such, the assessment is intended to permit the designated *user* to satisfy one of the requirements to qualify for the innocent landowner, bona fide prospective purchaser, or contiguous property owner limitations on CERCLA liability (hereinafter, the Landowner Liability Protections).

The ASTM International (ASTM) *Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process* Designation E1527-13 (ASTM 2013)[1] is the current industry standard used to define good commercial and customary practice for conducting an environmental site assessment of a parcel of commercial real estate. The goal of a Phase I ESA is to identify evidence of *recognized environmental conditions,* defined by ASTM as, "the presence or likely presence of any hazardous substances or petroleum products in, on, or at a property: (1) due to any release to the environment; (2) under conditions indicative of a release to the environment; or (3) under conditions that pose a material threat of a future release to the environment."

In accordance with ASTM 2013, this Phase I ESA was also intended to identify the following:

- *Controlled recognized environmental condition:* "a *recognized environmental condition* resulting from a past release of hazardous substances or petroleum products that has been

[1] ASTM issued E1527-21 on November 1, 2021; however, EnSafe will continue to use E1527-13 until the United States Environmental Protection Agency approves the use of E1527-21 to comply with the requirements for all appropriate inquiries under 40 Code of Federal Regulations 312.

addressed to the satisfaction of the applicable regulatory authority (for example, as evidenced by the issuance of a no further action letter or equivalent, or meeting risk-based criteria established by regulatory authority), with hazardous substances or petroleum products allowed to remain in place subject to the implementation of required controls (for example, property use restrictions, activity and use limitations, institutional controls, or engineering controls)."

- *Historical recognized environmental condition:* "a past release of any hazardous substances or petroleum products that has occurred in connection with the property and has been addressed to the satisfaction of the applicable regulatory authority or meeting unrestricted use criteria established by a regulatory authority, without subjecting the property to any required controls (for example, property use restrictions, activity and use limitations, institutional controls, or engineering controls)."

- *Business environmental risk:* "a risk which can have a material environmental or environmentally-driven impact on the business associated with the current or planned use of a parcel of commercial real estate, not necessarily limited to those environmental issues required to be investigated in this practice."

- *De minimis condition:* "a condition that generally does not present a threat to human health or the environment and that generally would not be the subject of an enforcement action if brought to the attention of appropriate governmental agencies." A condition found to be *de minimis* is not a *recognized environmental condition* or *controlled recognized environmental condition*.

1.2 Scope of Services

The Phase I ESA includes the following:

- Visual assessments of the subject property on December 1 and 8, 2021, by Ms. Bavani Kathir and Mr. Steffen Matthews of EnSafe; resumes are included in Appendix B.

- Interviews with personnel are discussed in Section 3.1.

- Review of standard and additional federal, state, and local environmental records sources for the subject property and properties within ASTM 2013 approximate minimum search distances (AMSDs). Database search information is provided in Appendix C.

- Review of the following historical resources and land-use records; select copies and printed information is provided in Appendix D:

  — United States Geological Survey topographic maps
  — Aerial photographs
  — Fire insurance maps
  — City directories

- Review of the physical setting report provided by Environmental Risk Information Services, as documented in Appendix E.

- Review of regulatory information available from the United States Environmental Protection Agency (U.S. EPA) Envirofacts website, regulatory files available through the Tennessee Department of Environment and Conservation (TDEC), and information on TDEC websites. Select information is provided in Appendix F.

- Review of the user questionnaire provided to the Client and completed by Mr. Brian Thomas, PennRose Developer, as documented in Appendix G.

- Photo Log is provided in Appendix H.

1.3 Client Information and User Responsibilities

EnSafe was retained by PennRose to conduct the Phase I ESA. According to ASTM, the *user* shall make known the reason for the Phase I ESA. In contracting EnSafe for the Phase I ESA, Mr. Brian Thomas of PennRose, indicated the Phase I ESA was being conducted as part of due diligence before purchase and to obtain financing.

The AAI Final Rule and Section 6.0 of ASTM 2013 describe tasks to be performed by the *user* that are required to qualify for a Landowner Liability Protections to CERCLA liability. The information that results from those tasks should be provided to the environmental professional to consider with respect to identifying *recognized environmental conditions*. Appendix G contains a questionnaire provided to the *user* outlining those tasks.

1.4 Non-Scope Items

At the request of PennRose, and as documented in Appendix G, EnSafe's Phase I ESA scope of work was expanded to include consideration of non-scope environmental issues or considerations that are beyond the scope of ASTM 2013. Desktop reviews of non-scope information are summarized in Section 5 and additional supporting information is presented in Appendix I.

2.0 PHYSICAL SETTING

Table 1 summarizes information obtained from the physical setting report (Appendix E) and other sources reviewed during the Phase I ESA listed in Section 1.2.

Table 1
Physical Setting Summary

Topography	
Elevation (feet above mean sea level)	254 to 269
Topography	The central portion of the subject property is higher in elevation than the property perimeter. Additionally, the central-east portion is higher than the central-west portion.
Evidence of landfilling (e.g., areas graded by non-natural causes or filled with material of unknown origin, and mounds or depressions) or excavation	Soil from other areas within the Legends Park Subdivision was stockpiled and used as fill on the subject property, which is further discussed in Section 3.
Adjoining — higher elevation	East-southeast
Adjoining — lower elevation	Southwest
Surface Water and Subject Property Drainage	
Subject property surface water features	None
Adjoining surface water features	None
Nearest water body	Quimby Bayou
Direction and approximate distance to nearest water body	The Quimby Bayou is located approximately 735 feet west of the subject property
Storm Water management	Storm water not infiltrating grass surfaces on the subject property is expected to flow towards adjoining streets equipped with storm sewer drains.
Flood zone (summarized from Appendix E)	The subject property is not mapped within the 100 or 500-year flood zones.
Wetlands (summarized from Appendix E)	No wetlands are mapped on the subject property.
Geology	
Soil types (and estimated depths/thickness)	The environmental database report describes subject property soils as graded and filled land consisting of silt loam from 0 to 59 inches below ground surface. These soils have moderate infiltration rates and are moderately well and well-drained.
Bedrock (depth and type)	Greater than 1,500 feet below ground surface
Hydrogeology	
Wells on subject property	None
Approximate depth to groundwater (feet) at the subject property	Not provided in sources reviewed
Reported direction of groundwater flow at the subject property	Not provided in sources reviewed
Relevant surrounding property wells	Two sentinel groundwater monitoring wells installed at 918 and 934 Poplar Avenue (within the Legends Park Subdivision), Memphis, Tennessee are approximately 0.20- and 0.25-mile southwest of the subject property.
Approximate depth to groundwater (feet)	12.00 to 24.84
Reported direction of groundwater flow	North and Northwest

3.0 SUBJECT PROPERTY

Subject property information discussed below was obtained from interviews and sources identified in Section 1.2 and referenced in Section 6.

3.1 Interviews

Table 2 lists personnel interviewed, indicates their association with the subject property or this Phase I ESA, and summarizes topics discussed and information provided. Table 2 also lists local and state agencies from which EnSafe requested information and the results of those inquiries.

Table 2
Summary of Interviews

Name	Affiliation	Association with Subject Property	Time [1]	Information Provided/Section Discussed
Ms. Deborah Payne	Memphis Housing Authority	Key Site Manager, Current Owner	13	Ms. Payne provided information regarding current and historical subject property operations and provided layout maps. Information provided is discussed in Section 3.
Mr. Mike Swindle	Memphis Housing Authority	Key Site Manager, Current Owner	17	Mr. Swindle provided information regarding current and historical subject property operations and provided layout maps. Information provided is discussed in Section 3.
Ms. Luretha Phillips	Memphis Housing Authority	Current Owner	25	Ms. Phillips provided information regarding current and historical subject property operations and provided layout maps. Information provided is discussed in Section 3.
Mr. Geoff Pope	Terminix, former Tetra Tech Project Manager for Legends Park	Project Manager	5	Mr. Pope provided information regarding prior environmental activities conducted at the Legends Park Subdivision site. Information provided is discussed in Section 3.
Ms. Alison Campany	TDEC — Division of Remediation	Local Official	19	Ms. Campany provided information regarding Legends Park and surrounding area environmental database listings. Information provided is discussed in Sections 3 and 4.

Summary of Records Requests

Name	Agency	Result of Inquiry/Section Discussed
Ms. Alison Hensley	TDEC — Division of Remediation	Records identified/Section 4
Ms. Nicole Beers	TDEC — Memphis Environmental Field Office	Records identified/Section 4

Notes:
[1] Length of time or number of years the person has been affiliated or familiar with the subject property or surrounding area.
TDEC = Tennessee Department of Environment and Conservation

3.2 Prior Environmental Assessments

EnSafe performed a prior Phase I ESA of the subject property in November 2020. Findings from the 2020 Phase I remain consistent with EnSafe's 2021 Phase I, which are discussed throughout this report. PennRose did not provide EnSafe with any prior environmental assessments of the subject property. Prior site investigations conducted at the subject property were obtained through a TDEC public records request. These records are further discussed in Section 3.6.

3.3 Historical Development and Uses

The historical document review and interviews were conducted to identify evidence of *recognized environmental conditions* in connection with past uses of the subject property.

3.3.1 Historical Development

The earliest historical resource obtained and reviewed for this Phase I ESA is an 1897 fire insurance map which shows subject property developed with numerous residential buildings along the east, south, and west portions, with a run (small stream) traversing the north portion. The subject property remains primarily residential except for a few shops/storefronts along Decatur Street observed on the 1907 fire insurance map. Additionally, the small stream is no longer observed on the subject property by 1907. The 1916 and 1927 topographic maps depict multiple small structures in the central portion of the subject property and along the east and west property boundaries. A 1937 aerial photograph shows multiple-unit residential buildings constructed throughout the subject property, except on the eastern portion. The 1951 and 1952 fire insurance maps indicate that the Dixie Homes Apartments residential buildings were constructed between 1936 and 1937. Additionally, the 1951 and 1952 fire insurance maps also depict apartment buildings on the east portion of the subject property constructed in 1950. The subject property remains relatively unchanged in subsequent aerial photographs reviewed through 2006, except for the construction of Interstate 40 and rerouting of Peach Avenue along the north subject property boundary between 1969 and 1973. By 2007, the buildings have been razed and the subject property appears to be a vacant unpaved and grass-covered lot. The 2010 aerial photograph shows the subject property cleared of most vegetation in preparation for development and construction activities. By the 2012 aerial photograph, the subject property is grass-covered. No significant changes were noted on aerial photographs reviewed from 2012 to 2018.

City directories were available for review at three to six-year intervals from 1932 through 2020. The subject property had multiple addresses associated with residential buildings between 1932 and 2005: 945 to 1001 Peach Avenue, 319 to 347 Decatur Street, and 980 Delmar Avenue. EnSafe's prior November 2020 Phase I ESA (EnSafe 2020) identified one subject property address,

335 Decatur Street, as Minkie Jos, a potential former dry cleaner, which is listed in the 1921 city directory. On the south-adjoining property, one property address, 311 Decatur Street, was identified as Gordon Cleaners and Dyers (a potential former dry cleaner) in the 1932 city directory. The dry cleaner listings are discussed further in Section 3.6.

3.3.2 Historical Uses and Operations

Based on historical sources reviewed, the subject property has been developed since at least 1897. Historical records indicate the subject property was residential in 1897 and remained primarily residential until 2006. According to Mr. Swindle with the Memphis Housing Authority (MHA), the former Dixie Homes, a public housing development, began construction in 1937; the former public housing development included the subject property parcel and multiple parcels to the south. According to Ms. Deborah Payne, the MHA acquired title to the Dixie site from the United States Housing and Home Finance Agency and Public Housing Administration in April 1951 and 1953. Based on information provided by MHA representatives, the housing development remained relatively unchanged until the buildings were razed in 2006. Based on environmental records reviewed (Section 3.6), pre-construction activities, including various environmental assessments and investigations, were conducted for the Legends Park Subdivision (including the subject property) between 2006 and 2012. According to Ms. Luretha Phillips with the MHA, building construction within the Legends Park Subdivision began in 2009. According to Mr. Swindle, the subject property was used to stockpile soil from the Legends Park Subdivision construction and environmental activities (2009 to 2012). The subject property has remained vacant since approximately 2012.

3.4 Current Uses

The subject property was visually assessed on December 1 and 8, 2021, by Ms. Kathir and Mr. Matthews of EnSafe. The purpose of the site reconnaissance was to determine current uses and to identify evidence of *recognized environmental conditions* in connection with the subject property. Photographs taken during the site visit are in Appendix H. EnSafe personnel walked throughout the subject property unaccompanied. Adjacent and surrounding area properties were observed from the subject property boundaries and nearby roads and driveways.

The subject property comprises approximately 4 acres of vacant land within the Legends Park Subdivision. Ms. Payne stated she was not aware of any current operations or uses associated with the subject property. MHA representatives were also not aware of any groundwater water wells, septic tanks/systems, underground storage tanks, aboveground storage tanks, and/or any utility services associated with the subject property.

3.5 Interior and Exterior Observations

Table 3 lists environmental issues and identifies those present or applicable to the subject property, based upon EnSafe's visual observations of the interior and exterior, interviews, review of environmental records sources, regulatory research, and other publicly available and reasonably ascertainable information.

Table 3
Subject Property Observations

Current or Past Use	Present or Applicable	Comment/Report Section
Hazardous Substances and Petroleum Products	**No**	—
Storage Tanks	**No**	—
Odors (strong, pungent, or noxious)	**No**	—
Pools of Liquids	**No**	—
Drums (5 gallons and larger)	**No**	—
Unidentified Substance Containers	**No**	—
Polychlorinated Biphenyls (associated with electric or hydraulic equipment)	**No**	—
Fuel Source for Heating and Cooling Systems	**No**	—
Stains or Corrosion (on building walls, floor, and ceilings)	**No**	—
Floor Drains, Sumps, and Pits	**No**	—
Pits, Ponds, or Lagoons	**No**	—
Stained Soil or Pavement	**No**	—
Stressed Vegetation	**No**	—
Solid Waste	**Yes**	Windblown trash (e.g., food wrappers, drink containers) was observed along the north and east subject property fence line areas. Additionally, a pile of discarded automobile tires and a discarded individual tire were observed along the east fence line.
Hazardous Waste	**No**	—
Wastewater	**No**	—
Wells	**No**	—
Septic Systems or Cesspools	**No**	—

3.6 Environmental Records Review

EnSafe obtained standard environmental record source information directly from a commercial service and the U.S. EPA and TDEC. The Legends Park Subdivision (former Dixie Homes), which includes the subject property, was identified on the State Remediation Program (SRP), Voluntary Cleanup Program, and Brownfield and Institutional Control sites databases.

The subject property is part of the Legends Park Subdivision/former Dixie Homes SRP site. According to Ms. Alison Campany with the TDEC Division of Remediation (DOR), the MHA has entered into multiple Brownfields Voluntary Agreements (BVA) to address impacts to soil, soil gas, and groundwater on various lots within the site that are planned for future residential development and use. Based on the regulatory information reviewed, BVA Site ID 79-846 (hereinafter referred to as the BVA site) includes the subject property. The BVA executed on September 29, 2009, outlines environmental conditions identified hydraulically upgradient of the site that include 1) chlorinated solvent and petroleum impacts to groundwater, and 2) the presence of hydrocarbons and dry-cleaning solvents in soil gas. Based on TDEC records reviewed, groundwater samples were collected from two sentinel wells (SW-1 and SW-2) on the southwest corner of the site between October 2010 and July 2012; samples were analyzed for volatile organic compounds. Chlorinated solvent detections exceeded the U.S. EPA drinking water maximum contaminate levels. TDEC records indicate volatile organic compound impacts to site groundwater likely originated from historical uses associated with properties further south.

Because the BVA site may not have been fully characterized, a Notification of Land Use Restrictions has been imposed. As it applies to the subject property, this Land Use Restriction 1) prohibits the installation of water wells and use of groundwater at the subject property, 2) in the event of the discovery of contaminants in soil at the subject property, other than polyaromatic hydrocarbons (PAHs), the soil must be managed in accordance with a TDEC-approved soil management plan, and 3) may require the installation of soil vapor mitigation systems for buildings constructed at the subject property.

EnSafe's prior November 2020 Phase I ESA identified one subject property address, 335 Decatur Street, in the environmental database for the year 1921. The address occupant at that time is listed as Minkie Jos, a former clothes cleaner and presser. No additional information is provided in the 2020 database report; however, it is important to note that historical documents identify a storefront at this address and Minkie Jos may have operated as a dry cleaner. On the south-adjoining property, Gordon Cleaners and Dyers, a former clothes cleaner and presser, is identified in the 1932 historical city directory at 311 Decatur Street. No additional information is provided in historical and database resources obtained for this 2021 Phase I ESA; however, it is important to note that historical fire insurance maps identify a storefront at this address in 1907, and Gordon Cleaners may have operated as a dry cleaner.

4.0 AREA RECONNAISSANCE

The current and historical uses of adjoining and surrounding area properties described below are based upon visual observations during the site reconnaissance and information obtained from interviews, historical research, and regulatory research conducted for the subject property. A commercial environmental database company provided a database search report that made environmental records for surrounding area properties within the ASTM-defined AMSDs reasonably ascertainable. Sites listed in the environmental records search within the ASTM-defined search distances for the databases on which they appear are discussed in Sections 4.1 through 4.3.

4.1 Adjoining Properties

The current and historical adjoining property uses and operations are summarized below.

4.1.1 North

The subject property is adjoined to the north, beyond Peach Avenue and Interstate 40, by vacant grass-covered parcels and Carnes Elementary School. Based on historical records reviewed, the north-adjoining properties were primarily residential, including a school, as early as 1897 and remained relatively unchanged through the early 1900s. The 1937 aerial photograph shows residential structures associated with the former Dixie Homes in the current location of Peach Avenue and Interstate 40, and it also shows two large buildings and numerous smaller buildings farther north. The 1951 fire insurance map shows primarily residential buildings, a church, and school buildings (Carnes Elementary School) on the north-adjoining properties. The fire insurance map indicates that the school buildings were constructed in 1920, 1939, and 1944. The north-adjoining properties appear relatively unchanged until construction of Interstate 40 and the rerouting of Peach Avenue between 1969 and 1973. Except for Carnes Elementary School and associated additions, the north-adjoining properties beyond Interstate 40 remain either residential or vacant grass-covered lots.

No environmental records were identified for the north-adjoining properties.

4.1.2 East

The subject property is adjoined to the east, beyond Decatur Street, by residential apartments and Columbus Baptist Church. Based on historical records reviewed, the east-adjoining properties were residentially developed as early as 1897. A church is observed on the 1907 fire insurance map. City directories list primarily residential addresses for the east-adjoining properties from at least 1932 until 2005 and Columbus Baptist Church from at least 1940 to 2011.

No environmental records were identified for the east-adjoining properties.

4.1.3 South

The subject property is adjoined to the south (east to west) by a vacant lot, Legends Park Townhomes, and Legends Park Apartments. Based on historical records reviewed, the south-adjoining properties were primarily residential with some shops as early as 1897 and 1907. The 1927 topographic map shows numerous small structures on the south-adjoining property, and by 1937 the property is redeveloped with residential structures associated with the former Dixie Homes. Based on historical records reviewed, the south-adjoining properties remained residential until 2007 when the area was cleared for redevelopment. The 2010 aerial photograph shows an apparent storm water detention basin on the western part of the south-adjoining property. The 2012 aerial photograph shows that the detention basin has been filled, likely when the Legends Park Apartments were constructed. According to Ms. Phillips, the Legends Park Townhomes were constructed in 2009.

The south-adjoining properties are within the Legends Park Subdivision SRP site as previously discussed in Section 3.6. In accordance with BVA Site ID 79-846 (Section 3.6), to prevent exposure to the PAH contaminants remaining in the soil, an orange plastic witness barrier was placed over impacted soil, then covered with at least 2 feet of clean fill material, between June and October 2010.

As discussed in Section 3.6, Gordon Cleaners and Dyers, at 311 Decatur Street, was identified as former clothes cleaner and presser in the 1932 historical city directory. No additional information is provided in historical and database resources obtained for this Phase I ESA; however, it is important to note that historical fire insurance maps identify a storefront at this address in 1907, and Gordon Cleaners may have operated as a dry cleaner.

4.1.4 West

The subject property is adjoined to the west by Ayers Street then multiple residential properties. Based on historical records reviewed, the west-adjoining property was previously developed with multi-family residential lots as early as 1897, with a run/small stream traversing the northwest portion. The west-adjoining property is also designated as residential on the 1907 fire insurance map; however, the run is no longer depicted. The 1927 topographic map shows numerous small structures on the west-adjoining property, and by 1937 the property is clear of structures. The 1951 fire insurance map indicates the west-adjoining property is a playground. Based on historical records reviewed, the west-adjoining property remained a dedicated playground/park area until 2007 when the area was cleared for redevelopment. The aerial photograph from 2010 shows an apparent storm water detention basin on the west-adjoining property. The 2012 aerial photograph shows that the detention basin has been filled and the west-adjoining property is a vacant grass-covered area.

The west-adjoining property is located within the Legends Park Subdivision SRP site as previously discussed in Section 3.6. Based on TDEC records reviewed, PAH-impacted soils were used as geotechnical fill material on the west adjacent property. In accordance with BVA Site ID 79-846 (Section 3.6), to prevent exposure to the PAH contaminants remaining in the soil, an orange plastic witness barrier was placed over impacted soil, then covered with at least 2 feet of clean fill material, between June and October 2010.

4.2 Surrounding Area Properties

The surrounding properties have been developed with residential, commercial, and light industrial properties since at least 1897. The environmental database search identified a total of 22 sites beyond the subject property and adjoining properties. Of these sites, 12 are within the ASTM-defined approximate minimum search distances. Four additional sites were identified on the TDEC DOR website as well as one additional site on the TDEC Division of Underground Storage Tanks website within the ASTM-defined approximate minimum search distances. The 17 sites identified are summarized in Table 4.

4.3 Unmapped Sites

The environmental database search identified seven sites with environmental records which it could not map due to poor or inadequate address information. The sites were listed on the Comprehensive Environmental Response, Compensation and Liability Information System (CERCLIS), leaking underground storage tank, Resource Conservation and Recovery Act Non-Generators (RCRA NON GEN), DOR, and spills databases. Based on information provided in the environmental database report, TDEC online databases, and internet mapping sources, the sites are listed as closed, have received no further action, and/or are located over one-half mile from the subject property. These sites are not expected to have impacted soil, groundwater, and/or soil vapor at the subject property.

Table 4
Surrounding Area Environmental Database Listings

Facility Name	Address(es)	Approximate Distance from Subject Property	Database Listing(s)	Identification Number(s)	Status	Notes	Potential Impact to Subject Property
Memphis Bulk Plant	432 North Dunlap Street	0.21-mile northwest	LUST, VCP, SRP	790769 799001	Closed, Land Use Restrictions	• Petroleum constituents detected in soil, soil gas, and groundwater. • Groundwater flows generally to the west. • Site-specific standards issued. • TDSWM approves closure with land-use restrictions in 2005.	Not expected to impact subject property based on groundwater flow
Southern Steel	431 Dunlap Street	0.23-mile northwest	VCP, SRP, Institutional Controls	791072	No Further Action	• Petroleum constituents detected in soil. VOCs and SVOCs detected in groundwater. • TDSWM approves closure with land-use restrictions in 2009.	Not expected to impact subject property based on site regulatory status and groundwater flow
Church's Fried Chicken	925 Poplar Avenue	0.26-mile south-southwest	VCP, SRP	790379	Inactive, No Further Action	• Petroleum impacts in soil and shallow groundwater. • Groundwater flow reported to the north/northwest. • SRP issued no further action required with regard to petroleum impacts on March 1, 2011.	Not expected to impact subject property based on site regulatory status and groundwater flow
Le Bonheur Hospital	865 Poplar Avenue	0.30-mile southwest	VCP, SRP	792714 791119	Closed	• EPH detected in soil samples. • SRP issued no further action required status on November 17, 2009.	Not expected to impact subject property based on soil analysis
VA Medical Center	1030 Jefferson Avenue	0.32-mile south-southeast	SEMS, LUST	TNN000410932, 790807	Closed	• One UST was removed in December 1998; TDEC DUST issued closure on November 5, 1999.	Not expected to impact subject property based on regulatory status
University Behavioral	135 North Pauline	0.33-mile south	LUST	791029	Case Closure	• One 2,000-gallon diesel UST and associated piping were removed in January 1999. • Soil detections below applicable action levels. • TDEC DUST issued case closure on July 1, 1999.	Not expected to impact subject property based on soil analysis

Table 4
Surrounding Area Environmental Database Listings

Facility Name	Address(es)	Approximate Distance from Subject Property	Database Listing(s)	Identification Number(s)	Status	Notes	Potential Impact to Subject Property
Amoco	821 Poplar Avenue	0.38-mile southwest	LUST	791083	Case Closure	• Petroleum impacts identified in soil and groundwater. • TDEC DUST issued contaminated case closure on August 28, 2015.	Not expected to impact subject property based on distance from the subject property and groundwater flow
Success Cleaners	1000 Jefferson Avenue	0.39-mile south	SRP	79867	Open	• Site identified along with Memphis Steam Laundry & Cleaners site as possible source of PCE detected in groundwater samples collected at the Legends Park Subdivision site. • TDEC files indicate a schedule for a sampling event was proposed for June 2009; however, records reviewed do not indicate if the event took place.	Potential to impact the subject property based on possible dry cleaning operations and groundwater flow direction
Auto-Chlor System	746 Poplar Avenue	0.40-mile southwest	LUST, VCP, SRP	790057, 79774, 791083	Closed	• Petroleum hydrocarbon, VOC, and PAH impacts in soil and groundwater • Radial groundwater flow to the northwest, northeast, and southwest. • TDEC DOR issued no further action with land-use restrictions on October 26, 2016.	Not expected to impact the subject property based on distance from the subject property and soil and groundwater analysis
Spic N Span	813-815 Poplar Avenue	0.41-mile southwest	SRP, DCERP	79217	Closed	• Benzene, PCE, TCE, vinyl chloride, and 1,2-dichloroethylene were detected in groundwater above applicable action levels and benzene, PCE, and 1,2-dichloroethylene were detected in soil below applicable action levels. • DCERP authorized closure on November 13, 2007.	Not expected to impact the subject property based on distance from the subject property and soil and groundwater analysis

Table 4
Surrounding Area Environmental Database Listings

Facility Name	Address(es)	Approximate Distance from Subject Property	Database Listing(s)	Identification Number(s)	Status	Notes	Potential Impact to Subject Property
Memphis Steam Laundry	941 Jefferson Avenue	0.41-mile south-southwest	SRP	79855	Open	• Site identified along with Success Cleaners site as possible source of PCE detected in groundwater samples collected at the Legends Park Subdivision site. • TDEC files indicate a schedule for a sampling event was proposed for June 2009; however, records reviewed do not indicate if the event took place.	Potential to impact the subject property based on possible dry cleaning operations and groundwater flow direction
Extra Express Market	777 Poplar Avenue	0.42-mile southwest	LUST	791539	Contamination Case Closed	• Petroleum impacted soil and groundwater identified. • TDEC DUST issued case closure on May 9, 2018.	Not expected to impact the subject property based on soil and groundwater analysis
Air Mask Service Unit	1010 Faxon Avenue	0.43-mile north	LUST	791109	Completed Tank Closure	• One 500-gallon diesel UST and associated piping drained and capped in September 1991. • Soil samples were collected from tank pit non-detected or below applicable action levels for petroleum constituents. • TDEC DUST issued case closure on February 26, 1996.	Not expected to impact the subject property based on soil analysis
The Med	842 Jefferson Avenue	0.45-mile south-southwest	LUST	792354	Contamination Case Closed	• One 20,000-gallon UST and associated piping drained and capped in July 1999. • TDEC DUST issued case closure on February 6, 2002.	Not expected to impact the subject property based on regulatory status

Table 4
Surrounding Area Environmental Database Listings

Facility Name	Address(es)	Approximate Distance from Subject Property	Database Listing(s)	Identification Number(s)	Status	Notes	Potential Impact to Subject Property
Le Bonheur	824 Adams Avenue	0.46-mile southwest	LUST	799039	Completed Tank Closure	• One 1,000-gallon UST, one 500-gallon UST, and piping were removed in August 2015. • Soil samples collected from tank pit non-detect or below applicable action levels for petroleum constituents. • TDEC DUST issued case closure on August 18, 2015.	Not expected to impact the subject property based on soil analysis
Former Scott Union	749 North Parkway	0.47-mile northwest	LUST	790606	Contamination Case Closed	• Four 4,000-gallon and one 500-gallon USTs removed in February 1993. TDEC DUST issued case closure on May 13, 1993. • Release identified during Phase II in January 2000; impacted soils excavated; TDEC DUST issued case closure on September 13, 2000.	Not expected to impact the subject property based on soil analysis
Super Stop	945 Jackson Avenue	0.48-mile north	LUST	791890	Contaminated Closure	• Three USTs removed in August 1997. • TDEC DUST issued contaminated closure on October 2, 2000.	Not expected to impact the subject property based on regulatory status

Notes:

UST	=	Underground Storage Tank	TCE	=	Trichloroethylene
LUST	=	Leaking Underground Storage Tank	PAH	=	Polynuclear Aromatic Hydrocarbon
SRP	=	State Remediation Program	TPH	=	Total Petroleum Hydrocarbons
TDSWM	=	Tennessee Division of Solid Waste Management	DOR	=	Division of Remediation
TDEC	=	Tennessee Department of Environment and Conservation			
DUST	=	Division of Underground Storage Tanks			
DCERP	=	Drycleaner Environmental Response Program			
CDP	=	Voluntary Cleanup, Oversight and Assistance Program			
SEMS	=	Superfund Enterprise Management System			
EPH	=	Extractable Petroleum Hydrocarbon			
PCE	=	Tetrachloroethylene or perchloroethylene			

5.0 ASTM E1527-13 NON-SCOPE ISSUES

EnSafe reviewed information regarding ASTM E1527-13 non-scope issues related to compliance with National Environmental Policy Act environmental factors. The development was assessed in its entirety under a National Housing Trust Fund (NHTF) guidance. The project as proposed is in compliance with ASTM non-scope issues per the NHTF guidance, as discussed in further detail herein. Supporting documentation for non-scope components of the review is included in Appendix I.

5.1 Historic Preservation

Based on the existing site conditions (formerly developed, subsequently razed) the proposed action would have No Potential to Cause Effects. Consequently, the project is in compliance with Section 106 [36 CFR 800.3(a)(1)]. Attachment 1 of Appendix I includes the SHPO correspondence.

5.2 Farmland

This project does not include any activities that could potentially convert agricultural land to non-agricultural use and is in compliance with the Farmland Protection Policy Act. Attachment 2 of Appendix I includes the Natural Resource Conservation Service web soil survey map showing that the subject property is in an urban developed area.

5.3 Airport Zones

The project site is not within 15,000 feet of a military airport or 2,500 feet of a civilian airport. The project complies with HUD Airport Hazards requirements. Attachment 3 of Appendix I demonstrates that there are no airport runway clear zone hazards associated with the proposed project. General DeWitt Spain Airport is approximately 4.25 miles north of the proposed subject property. Memphis International Airport is approximately 5.8 miles southeast of the proposed subject property. West Memphis Municipal Airport is approximately 10.4 miles to the west of the proposed subject property.

5.4 Coastal Barrier Resource System

The State of Tennessee has no coastal boundaries. Attachment 4 of Appendix I demonstrates that the subject property is not in a Coastal Barrier Resources System.

5.5 Coastal Zone Management

The State of Tennessee has no coastal boundaries. Attachment 4 of Appendix I demonstrates that the subject property is not in a Coastal Zone.

5.6 Floodplains

Federal Emergency Management Agency's Flood Insurance Rate Map 47157C0270F, effective September 28, 2007, indicates that the subject property is in Zone X, an area of minimal flood hazard. Attachment 5 of Appendix I demonstrates the proposed project site is located within Zone X of the Federal Emergency Management Agency's Flood Insurance Rate Map.

5.7 Wetlands

EnSafe conducted a desktop review of potential aquatic resources that may be present at the subject property. The purpose of the desktop review was to assess the site for wetlands and potentially jurisdictional "waters" using available aerial imagery and online databases to conduct due diligence related to §404/§401 regulations by the U.S. Army Corps of Engineers (USACE) and/or TDEC. The desktop review indicates that there no wetlands or streams exist at the subject property. A review of historical aerial photographs and aerial imagery on Google Earth shows that the property has been developed in the past but was razed in 2007, sometime between January and September. The site is near downtown Memphis and is surrounded by development, including residential housing, highways, and hospitals, so urban drainage infrastructure is present in the surrounding developed areas. Soils at the subject property are classified as "Graded land, silty materials (udorthent, silty)", which are not rated as hydric soils per the U.S. Department of Agriculture Natural Resources Conservation Service. The site walk conducted in September 2021 in conjunction with a desktop review of the National Wetland Inventory (Attachment 6 of Appendix I) demonstrates the construction of the proposed project site will not impact a jurisdictional or non-jurisdictional wetland.

5.8 Explosives and Hazards

Sixteen aboveground storage tank locations were identified within one mile of the subject property. Nine of the ASTs contain diesel fuel, three contain used cooking oil, and four contain used oil. No flammable or explosive hazards were observed on or near the subject property during the site visit or desktop review. The online acceptable separation distance assessment tool was used to calculate the acceptable safe distance for thermal radiation for people (ASDPPU) and buildings (ASDBPU). The project was found to be in compliance with the standards for acceptable separation distance, as described in 24 CFR part 51, subpart C. Attachment 7 of Appendix I presents a figure depicting locations and a table summarizing the size of the AST, contents of the AST, distance from the site to the AST, ASDPPU distance, and ASDBPU distance.

5.9 Contamination

EnSafe conducted a Phase II analysis of the subject property to verify that it is free of hazardous materials, contamination, toxic chemicals and gases, and radioactive substances

(EnSafe 2021). The Phase II report evaluated soil, groundwater, and soil gas at the Site for potential chemicals of concern associated with historical operations at the Site and surrounding area properties. The Phase II found that Volatile Organic Compounds, Extractable Petroleum Hydrocarbons, Polynuclear Aromatic Hydrocarbons, and metals were not detected above screening levels in groundwater samples.

Of ten soil samples collected and analyzed, one polynuclear aromatic hydrocarbon chemical (benzo(a)pyrene) exceeded the corresponding U.S. EPA Residential Regional Screening Levels (RSLs) in soil sampled from 4 to 8 feet bgs at SB02. Additionally, arsenic and chromium concentrations in soil were above residential and/or industrial RSLs in all ten soil samples; however, detected concentrations of arsenic and chromium in soil sampled at the Site are not statistically higher than Tennessee background concentrations. Other compounds were below corresponding soil RSLs.

Two volatile organic compounds (benzene and naphthalene) were detected above U.S. EPA residential and/or commercial Vapor Intrusion Screening Levels in soil gas at SG01 on the eastern edge of the property where parking is planned. Attachment 8 of Appendix I contains the Phase II Environmental Site Assessment report.

5.10 Noise

Noise analysis for Legends Park Block A was completed by Roland, Woolworth & Associates, LLC in 2022. The analysis determined that the Legends Park housing project should meet HUD requirements for noise if the windows on north and east/west sides of the building are upgraded to STC 31. No other changes to the facade are needed. The report is provided in Attachment 9 of Appendix I.

5.11 Endangered Species

EnSafe conducted a desktop review for the listed species and critical habitat, that may occur within the boundary of your proposed project using the Environmental Online Conservation System Information for Planning and Consultation (ECOS-IPaC) tool. The federally endangered Indiana Bat (*Myotis sodalis*) and threatened northern long-eared bat (*Myotis septentrionalis*) are known to occur in the general area. The subject property is a mostly open, mowed field surrounded by urban development, and there is no suitable roosting habitat at the Site. A few standing trees are present, but these do not have cracks, crevices, or exfoliating bark. No suitable woodland or aquatic habitat is present to support roosting or foraging habitat for the two listed bat species. No known bat hibernacula or maternity colonies exist within Shelby County, Tennessee. There are no critical

habitats within the subject property boundary. Correspondence with USFWS is included as Attachment 10 of Appendix I.

5.12 Wild and Scenic Rivers

The project does not involve any activities that are inconsistent with conservation easements, land-use protections, or restrictions adjacent to wild and scenic rivers. The Obed River, located in East Tennessee, is the only river designated as wild & scenic in the state of Tennessee.

5.13 Safe Drinking Water

The project will use lead-free pipes, solder, and/or flux for pipes used in the building's potable water system.

5.14 Sole-Source Aquifers

There are no sole-source aquifers in Tennessee. Attachment 11 of Appendix I demonstrates that the proposed project site is not within an area designated as a sole source aquifer.

6.0 RESULTS OF THE ENVIRONMENTAL PROFESSIONAL INQUIRY

EnSafe performed a Phase I ESA of Block A within the Legends Park Subdivision in Memphis, Tennessee in general conformance with the scope and limitations of ASTM 2013. Any exceptions to, or deletions from, this practice mentioned throughout the report are discussed in Sections 5.3 and 5.4.

6.1 Summary of Findings and Conclusions

Based on research performed, this Phase I ESA identified the following.

- The subject property consists of approximately 4 acres of a larger 4.77-acre vacant parcel identified as Shelby County Parcel 051017 00018 and is located within the 30.91-acre Legends Park Subdivision (former Dixie Homes housing complex). The subject property is bound by Peach Avenue to the north, Decatur Street to the east, and multi-family townhomes and apartment buildings to the south.

- The subject property has been developed since at least 1897 with single and multi-family residential buildings. The subject property was part of the former Dixie Homes public housing development from 1937 until 2006 when the area was cleared for redevelopment as the Legends Park Subdivision.

- The BVA Site 79-846 includes the subject property. The BVA executed on September 29, 2009, outlines environmental conditions identified hydraulically upgradient (south) of the site that include 1) chlorinated solvent and petroleum impacts to groundwater; and 2) the presence of hydrocarbons and dry-cleaning solvents in soil gas. Because the site may not have been fully characterized, a Notification of Land Use Restrictions has been imposed. As it applies to the subject property, this Land Use Restriction 1) prohibits the installation of water wells and use of groundwater at the subject property, 2) in the event of the discovery of contaminants in soil at the subject property, the soil must be managed in accordance with a TDEC-approved soil management plan, and 3) may require the installation of soil vapor mitigation systems for buildings constructed at the subject property.

- Minkie Jos, a former clothes cleaner and presser, has been identified at the subject property in environmental database records and historical city directories for the year 1921 (EnSafe 2020). No additional information was provided in the database records; however, it is important to note that historical documents identify a storefront at this address, which could potentially have been operated as a dry cleaner.

- On the south-adjoining property, one address (311 Decatur Street) was identified in the 1932 city directory as Gordon Cleaners and Dyers, a former clothes cleaner and presser. No additional information is provided in historical records reviewed; however, it is important to note that historical fire insurance maps identify a storefront at this address in 1907, and Gordon Cleaners may have operated as a dry cleaner.

- The west and south-adjoining properties are located within BVA Site ID 79-846. Based on TDEC records reviewed, PAH-impacted soils were used as geotechnical fill material on the west-adjacent property. In accordance with BVA Site ID 79-846, to prevent exposure to the PAH contaminants, the soil is contained beneath an orange "witness barrier" (safety fencing) and clean fill material.

- The surrounding area has been developed with residential, commercial, and light industrial properties since at least 1897. Various commercial/light industrial businesses such as gasoline stations, automobile repair and service shops, and dry cleaners have operated on surrounding area properties that are expected to have used and possibly stored regulated materials including solvents and other hazardous substances/petroleum products. A total of 17 sites, beyond the subject property and adjoining properties, were identified on environmental databases as having documented releases of hazardous substances and/or petroleum products.

6.2 Environmental Professional Opinion

This assessment has revealed evidence of the following *recognized environmental condition and controlled recognized environmental condition* in connection with the subject property:

- BVA Site ID 79-846 includes the subject property and adjoining properties west and south of the subject property. The BVA outlines environmental conditions identified upgradient of these properties that include 1) chlorinated solvent and petroleum impacts to groundwater, and 2) the presence of hydrocarbons and dry-cleaning solvents in soil gas. Additionally, numerous sites in the subject property surrounding area have reported releases of hazardous substances and/or petroleum products. Given the BVA and number of sites in the subject property area with reported releases of hazardous substances and/or petroleum products, the potential exists for regional groundwater contamination which constitutes a *recognized environmental condition* for the subject property.

- The subject property is subject to Land Use Restrictions that 1) prohibit the installation of water wells and use of groundwater at the subject property, 2) in the event of the discovery

of contaminants in soil at the subject property, the soil must be managed in accordance with a TDEC-approved soil management plan, and 3) may require the installation of soil vapor mitigation systems on buildings constructed at the subject property. Therefore, the land use restrictions are considered a *controlled recognized environmental condition*.

- ASTM E1527-13 non-scope issues related to compliance with National Environmental Policy Act environmental factors were assessed under NHTF guidance. The project was found to comply with ASTM non-scope issues. Supporting documentation is included in Appendix I.

6.3 Data Gaps

Limitations and exceptions detailed in Section 5.4 are also considered data gaps that may have limited EnSafe's ability to identify *recognized environmental conditions*, as indicated.

6.4 Limitations and Exceptions

EnSafe's Phase I ESA generally conforms to ASTM 2013. EnSafe did not sample soil, soil vapor, groundwater, or surface water as part of the Phase I ESA. Assessment of these items is based upon visual observations and sources as referenced throughout the report. This report should not be construed as verifying the present property owner or operator's compliance with federal, state, and local regulations or as a recommendation to purchase, sell, or develop the subject property. The following specific limitations and exceptions apply to this Phase I ESA:

- The quality and scale of some of the historical maps and aerial photographs limited EnSafe's ability to make observations related to subject property development and/or activities. However, based on the nature of site operations, this limitation is not expected to have limited EnSafe's findings or conclusions.

6.5 Significant Assumptions

This report is a prudent, reasonable evaluation of the subject property's observed environmental condition. EnSafe assumes no responsibility for conditions or information not practically reviewable, or information not accurately disseminated by any party. The following significant assumptions were used to formulate the conclusions and opinions contained in this report:

- Groundwater flow generally follows topography.

- Environmental database information is accurate and complete.

- Conditions at the time of the site visit were representative of ordinary conditions at the subject property.

- The subject property boundaries depicted on figures and described herein are accurate.

6.6 User Reliance

The assessment was prepared under contract for the exclusive use of PennRose. Any other party's reliance on this report is at risk unless EnSafe grants authorization. In accordance with ASTM 2013, this Phase I ESA is presumed to be valid for 180 days from the date of completion. A Phase I ESA that meets or exceeds this practice and was completed more than 180 days previously may be used to the extent allowed in Sections 4.7 and 4.8 of ASTM 2013.

7.0 REFERENCES

ASTM International. Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process. Designation E1527-13. 100 Barr Harbor Drive, West Conshohocken, Pennsylvania 19428. November 2013.

Campany, A. (telephone interview). Project Manager, Division of Remediation, Tennessee Department of Environment and Conservation, 8383 Wolf Lake Drive, Bartlett, Tennessee. 2021, December 15. 901-371-3040. alison.campany@tn.gov

EnSafe Inc. *Phase I Environmental Site Assessment Report, Block A of the Legends Park Subdivision, Memphis, Tennessee 38105*. November 2020.

EnSafe Inc. *Phase II Environmental Site Assessment Report, Block A of the Legends Park Subdivision, Memphis, Tennessee 38105*. December 2021.

Environmental Risk Information Services, Inc. The ERIS Database Report, Legends Park — Block A, Memphis, Tennessee 38105. Order No. 21112200240. 266 Elmwood Avenue, Box 930, Buffalo, New York 14222. 866-517-5204. 2021, November 24.

— ERIS Physical Setting Report. Order No. 21112200240. 2021, November 22.
— ERIS Topographic Maps. Order No. 21112200240. 2021, November 23.
— ERIS Fire Insurance Maps. Order No. 21112200240. 2021, November 23.
— ERIS Historical Aerials. Order No. 21112200240. 2021, November 24.
— ERIS City Directory. Order No. 21112200240. 2021, December 2.

Payne, D. (telephone interview). Grant Analyst, Memphis Housing Authority. 700 Adams Avenue, Memphis, Tennessee. 2021, December 9. 901-544-1827. dpayne@memphisha.org

Phillips, L. (telephone interview). Director of Development, Memphis Housing Authority. 700 Adams Avenue, Memphis, Tennessee. 2021, December 3. lphillips@memphisha.org

Pope, G. (Microsoft Teams video interview). Former Tetra Tech Project Manager for Legends Park, Terminix Environmental Program Manager. 4114 Willow Lake Boulevard Memphis, Tennessee 38118. 2021, December 9. 901-413-0113. geoff.pope@terminix.com.

Shelby County Assessor of Property. (website). Property information. 2021. Retrieved from: http://www.assessor.shelby.tn.us/content.aspx

Swindle, M. (telephone interview). Director of Housing Operations, Memphis Housing Authority. 700 Adams Avenue, Memphis, Tennessee. 2021, December 15. 901-544-1804. mswindle@memphisha.org

Tennessee Department of Environment and Conservation. (regulatory file review). 312 Rosa L. Parks Avenue, Nashville, Tennessee. Submitted via: https://www.tn.gov/environment/contacts/public-records-request.html

Tennessee Department of Environment and Conservation. Website. (regulatory information). 2021. Retrieved from: https://www.tn.gov/environment.html

United States Environmental Protection Agency. (website). Envirofacts. Regulatory information search. 2021. Retrieved from: www.epa.gov/enviro

Appendix A
Figures

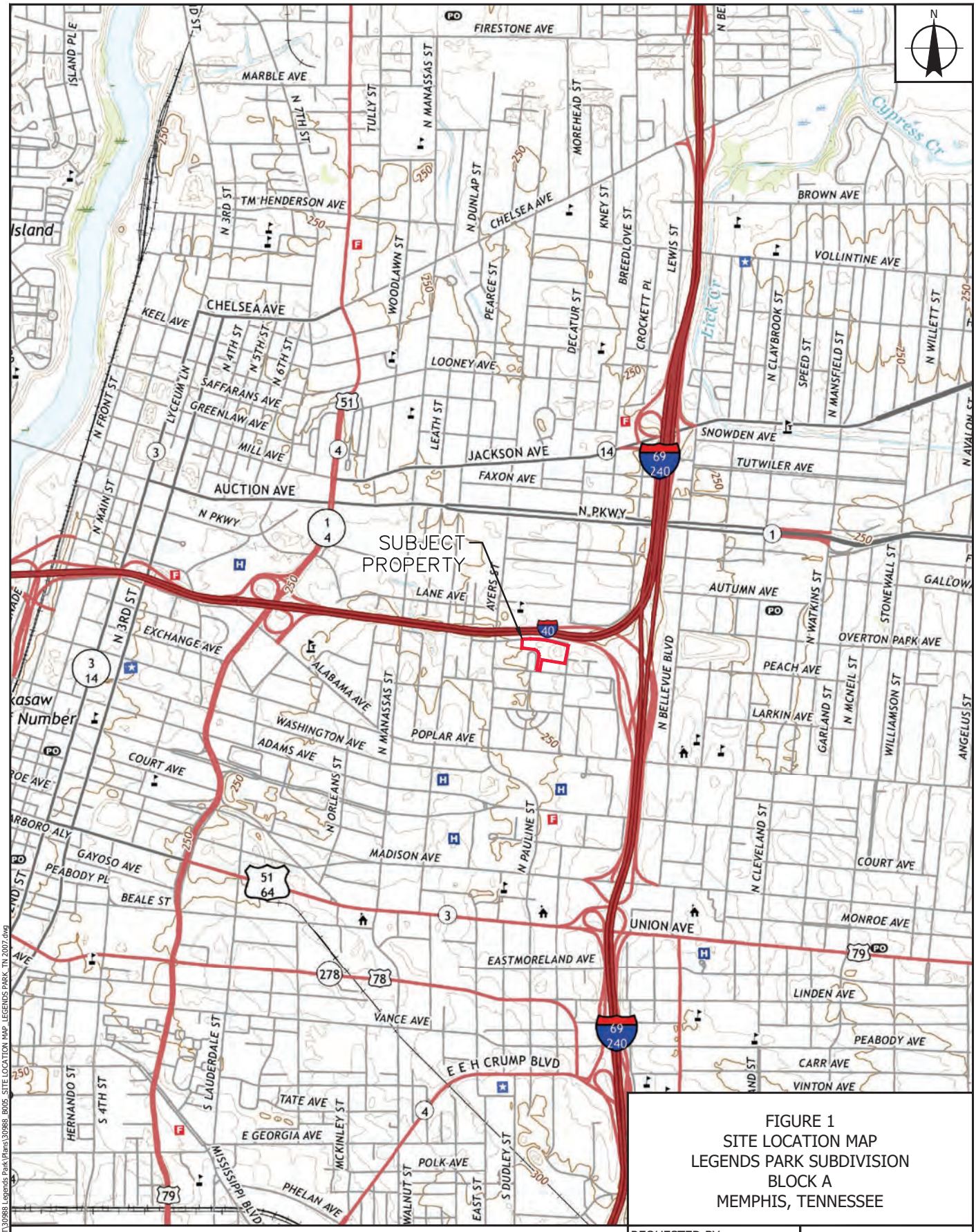

FIGURE 1
SITE LOCATION MAP
LEGENDS PARK SUBDIVISION
BLOCK A
MEMPHIS, TENNESSEE

LEGEND

SUBJECT PROPERTY/REDUCED PARCEL BOUNDARY

NAD 1983
UTM ZONE 18 NORTH

0 1,000 2,000

SCALE IN FEET

REQUESTED BY:	AC
DRAWN BY:	WM
DATE:	2/15/2022
PROJECT:	0888830988

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Source: U.S. Geological Survey.Northwest Memphis Quadrangle, Tennessee [Map]. Photorevised 2019. 1:24,000. 7.5 Minute Series.

I:\CAD PROJECTS\HOCONT\30988-Legends Park\Plans\30988_8005_SITE LOCATION MAP_LEGENDS PARK_TN 2007.dwg

LEGENDS

SUBJECT PROPERTY/REDUCED PARCEL BOUNDARY

NAD 1983 STATE PLANE
TENNESSEE FEET

0 60 120

SCALE IN FEET

FIGURE 2
SITE VICINITY MAP
LEGENDS PARK SUBDIVISION
BLOCK A
MEMPHIS, TENNESSEE

REQUESTED BY:	AC
DRAWN BY:	WM
DATE:	2/15/2022
PROJECT:	0888830988

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Appendix B
Resumes

BAVANI KATHIR
Geologist

EDUCATION

BS, Geology (Honors Cum Laude), Texas A&M University, 2020

AFFILIATIONS/ ORGANIZATIONS

Texas A&M University Geology and Geophysics Society

Geological Society of America

Houston Geological Society

Geophysical Society of Houston

REGISTRATIONS & CERTIFICATIONS

40-Hour HAZWOPER Initial Training

Bavani is a Geologist with more than five years of research and academic experience in the field, including geotechnical investigations and construction materials testing of soils; routine laboratory tests; Atterberg liquid and plastic limit tests, and unconfined compressive strength tests; and ASTM procedures on geotechnical and construction materials testing. Her relevant skillset includes ArcGIS, QGIS, LogPlot, Google Earth Pro, JMARS, MATLAB, Geologic Field Mapping, Data Collection, Seismic Data Analysis, and working with instruments such as Electron Probe Microanalyzer (EPMA), Scanning Electron Microscope (SEM), Hammer Drill, Gas Chromatography Equipment, Petrographic Microscopy, Light Microscope, Sieves, Brunton Compass, and Field Handheld GPS. Notable achievements include being selected to provide a poster presentation at Texas A&M Geology and Geophysics Research Symposium, named a Finalist for Texas A&M University Geology and Geophysics Outstanding Senior Award, and selected as a Texas A&M University College of Geosciences Silver Medallion Scholar.

RELEVANT EXPERIENCE

HECO, HECO Realty, Dyersburg, TN (2021-Present)

As Staff Geologist, Bavani Kathir provided technical support and assisted with soil, groundwater, and ambient air sampling, oversaw the installation of new groundwater monitoring wells, abandoned injection and monitoring wells, and performed site inspections and assessments.

Phase I ESA Legends Park Subdivision Block A, PennRose, Memphis, TN (2021-Present)

As Staff Geologist, Bavani Kathir was responsible for performing a Phase I Environmental Site Assessment of Legends Park Subdivision Block A under the supervision of an Environmental Professional. Duties included visual reconnaissance, conducting interviews with personnel, reviewing historical and regulatory records, evaluating state and federal environmental databases, and report preparation.

Phase II ESA Legends Park Subdivision Block A, PennRose, Memphis, TN (2021-Present)

As Staff Geologist, Bavani Kathir assisted with a Phase II Environmental Site Assessment. Duties included soil-gas sampling with summa canisters and utilizing equipment such as the Hammer Drill.

Phase II ESA Summer and Broad, Alliance Healthcare Services, Memphis, TN (2021-Present)

As Staff Geologist, Bavani Kathir assisted with soil and soil-gas sampling for a Phase II Environmental Site Assessment.

RESEARCH EXPERIENCE

Undergraduate Researcher at Texas A&M University, Department of Geology and Geophysics, College Station, TX

- As Planetary Geology and Geophysics Researcher, Bavani assisted in the creation of a 1D steady-state thermal model of Io's crust, one of Jupiter's moons, using advanced geophysical numerical modeling. She investigated how the accumulation of sulfur in the upper crust contributed to the total thermal balance of crustal recycling and extensively studied the volcanogenic processes on Io, specifically the geochemistry of sulfur.
- As Igneous Petrology Volcanic Researcher, Bavani examined igneous rock cores from the Trans-Mexican Volcanic Belt, helped prepare thin sections, performed geochemical analyses and data processing with the EPMA, and petrographically characterized the rock to determine the composition.
- As Asteroid Vesta Researcher, Bavani provided compositional analysis of meteorite samples from the Asteroid Vesta through petrographic characterization.
- As Microfossil Carbonates Researcher, Bavani picked foraminifera samples from the Maldives with a light microscope and mounted them onto the SEM to determine their crystallography.

**indicates work for a previous employer*

STEFFEN MATTHEWS

Environmental Scientist/Geologist

EDUCATION

BA, Earth Science, University of Memphis, 2020

AFFILIATIONS/ ORGANIZATIONS

American Society for Photogrammetry and Remote Sensing

Society of Exploration Geologists

Steffen is an experienced geologist specializing in seismic processing, ground penetrating radar, electrical resistivity tomography, QGIS and Esri GIS products, geologic mapping, field data collection, Python Coding, lidar processing, and data analysis. He is adept at management and technical writing and is skilled at public outreach. Specific services include water sampling, soil and soil gas sampling, and Phase I-type assessments. Steffen has been published in several university publications for his research in the Golddust Quadrangle and the Nodena Quadrangle.

RELEVANT EXPERIENCE

***Research, Auburn University, Auburn, AL (2020-2021)**

As a Teaching Assistant, Steffen examined the effectiveness of ground penetrating radar for identifying earthquake-related features. He developed GIS analyses for classifying surface features related to materials found in the subsurface, and wrote technical papers and prepared presentations on his findings.

***Groundwater Study, Center for Applied Earth Science and Engineering Research, Memphis, TN (2020)**

As a Senior Water Technician, Steffen led field work to conduct reconnaissance on hydrogeologic areas of interest. He also supervised and performed piezometric analyses of groundwater with relation to the Memphis aquifer, and produced maps in ArcGIS for use by the local water utility company.

**indicates work for a previous employer*

Appendix C
Environmental Database Search Report

DATABASE REPORT

Project Property:	*Legends Park - Block A* *Legends Park - Block A* *Memphis TN*
Project No:	*0888830988*
Report Type:	*Database Report*
Order No:	*21112200240*
Requested by:	*EnSafe Inc.*
Date Completed:	*November 24, 2021*

Environmental Risk Information Services
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Executive Summary

Property Information:

Project Property:		*Legends Park - Block A* *Legends Park - Block A Memphis TN*
Project No:		*0888830988*
Coordinates:		
	Latitude:	*35.14930744*
	Longitude:	*-90.02724027*
	UTM Northing:	*3,893,647.73*
	UTM Easting:	*770,816.87*
	UTM Zone:	*UTM Zone 15S*
Elevation:		*260 FT*

Order Information:

Order No:	*21112200240*
Date Requested:	*November 22, 2021*
Requested by:	*EnSafe Inc.*
Report Type:	*Database Report*

Historicals/Products:

Aerial Photographs	*Historical Aerials (with Project Boundaries)*
City Directory Search	*CD - Custom City Directory Search*
ERIS Xplorer	*ERIS Xplorer*
Excel Add-On	*Excel Add-On*
Fire Insurance Maps	*US Fire Insurance Maps*
Physical Setting Report (PSR)	*Physical Setting Report (PSR)*
Topographic Map	*Topographic Maps*
Vapor Screening Tool	*Vapor Screening Tool*

Executive Summary: Report Summary

Database	Searched	Search Radius	Project Property	Within 0.12mi	0.125mi to 0.25mi	0.25mi to 0.50mi	0.50mi to 1.00mi	Total
Standard Environmental Records								
Federal								
DOE FUSRAP	Y	1	0	0	0	0	0	0
NPL	Y	1	0	0	0	0	0	0
PROPOSED NPL	Y	1	0	0	0	0	0	0
DELETED NPL	Y	0.5	0	0	0	0	-	0
SEMS	Y	0.5	0	0	0	**1**	-	**1**
ODI	Y	0.5	0	0	0	0	-	0
SEMS ARCHIVE	Y	0.5	0	0	0	0	-	0
CERCLIS	Y	0.5	0	0	0	0	-	0
IODI	Y	0.5	0	0	0	0	-	0
CERCLIS NFRAP	Y	0.5	0	0	0	0	-	0
CERCLIS LIENS	Y	PO	0	-	-	-	-	0
RCRA CORRACTS	Y	1	0	0	0	0	0	0
RCRA TSD	Y	0.5	0	0	0	0	-	0
RCRA LQG	Y	0.25	0	0	0	-	-	0
RCRA SQG	Y	0.25	0	0	0	-	-	0
RCRA VSQG	Y	0.25	0	0	0	-	-	0
RCRA NON GEN	Y	0.25	0	0	**3**	-	-	**3**
FED ENG	Y	0.5	0	0	0	0	-	0
FED INST	Y	0.5	0	0	0	0	-	0
LUCIS	Y	0.5	0	0	0	0	-	0
ERNS 1982 TO 1986	Y	PO	0	-	-	-	-	0
ERNS 1987 TO 1989	Y	PO	0	-	-	-	-	0
ERNS	Y	PO	0	-	-	-	-	0
FED BROWNFIELDS	Y	0.5	0	0	0	0	-	0
FEMA UST	Y	0.25	0	0	0	-	-	0
FRP	Y	0.25	0	0	0	-	-	0
HIST GAS STATIONS	Y	0.25	0	0	0	-	-	0

Database	Searched	Search Radius	Project Property	Within 0.12mi	0.125mi to 0.25mi	0.25mi to 0.50mi	0.50mi to 1.00mi	Total
REFN	Y	0.25	0	0	0	-	-	0
BULK TERMINAL	Y	0.25	0	0	0	-	-	0
SEMS LIEN	Y	PO	0	-	-	-	-	0
SUPERFUND ROD	Y	1	0	0	0	0	0	0
State								
SHWS	Y	1	0	0	0	0	0	0
DEL SHWS	Y	1	0	0	0	0	0	0
SWF/LF	Y	0.5	0	0	0	0	-	0
LUST	Y	0.5	0	0	**1**	**14**	-	**15**
LUST TRUST	Y	0.5	0	0	0	**6**	-	**6**
DELISTED LST	Y	0.5	0	0	0	**1**	-	**1**
HWRA	Y	0.5	0	0	0	0	-	0
DHWR	Y	0.5	0	0	0	0	-	0
UST	Y	0.25	0	0	**4**	-	-	**4**
DEL STORAGE TNK	Y	0.25	0	0	0	-	-	0
INST	Y	0.5	0	0	**1**	**1**	-	**2**
ENG	Y	0.5	0	0	0	0	-	0
VCP	Y	0.5	0	0	**2**	**5**	-	**7**
SRP	Y	0.5	0	0	**2**	**3**	-	**5**
REMEDIATION	Y	0.25	0	0	0	-	-	0
Tribal								
INDIAN LUST	Y	0.5	0	0	0	0	-	0
INDIAN UST	Y	0.25	0	0	0	-	-	0
DELISTED ILST	Y	0.5	0	0	0	0	-	0
DELISTED IUST	Y	0.25	0	0	0	-	-	0
County	***No County standard environmental record sources available for this State.***							

Additional Environmental Records

Federal

FINDS/FRS	Y	PO	0	-	-	-	-	0
TRIS	Y	PO	0	-	-	-	-	0
PFAS TRI	Y	0.5	0	0	0	0	-	0
PFAS NPL	Y	0.5	0	0	0	0	-	0
PFAS WATER	Y	0.5	0	0	0	0	-	0

Database	Searched	Search Radius	Project Property	Within 0.12mi	0.125mi to 0.25mi	0.25mi to 0.50mi	0.50mi to 1.00mi	Total
PFAS SSEHRI	Y	0.5	0	0	0	0	-	0
HMIRS	Y	0.125	0	0	-	-	-	0
NCDL	Y	0.125	0	0	-	-	-	0
TSCA	Y	0.125	0	0	-	-	-	0
HIST TSCA	Y	0.125	0	0	-	-	-	0
FTTS ADMIN	Y	PO	0	-	-	-	-	0
FTTS INSP	Y	PO	0	-	-	-	-	0
PRP	Y	PO	0	-	-	-	-	0
SCRD DRYCLEANER	Y	0.5	0	0	0	0	-	0
ICIS	Y	PO	0	-	-	-	-	0
FED DRYCLEANERS	Y	0.25	0	0	0	-	-	0
DELISTED FED DRY	Y	0.25	0	0	0	-	-	0
FUDS	Y	1	0	0	0	0	0	0
FORMER NIKE	Y	1	0	0	0	0	0	0
PIPELINE INCIDENT	Y	PO	0	-	-	-	-	0
MLTS	Y	PO	0	-	-	-	-	0
HIST MLTS	Y	PO	0	-	-	-	-	0
MINES	Y	0.25	0	0	0	-	-	0
SMCRA	Y	1	0	0	0	0	0	0
MRDS	Y	1	0	0	0	0	0	0
URANIUM	Y	1	0	0	0	0	0	0
ALT FUELS	Y	0.25	0	0	0	-	-	0
SSTS	Y	0.25	0	0	0	-	-	0
PCB	Y	0.5	0	0	0	0	-	0
State								
PRIORITY CLEAN	Y	0.25	0	0	0	-	-	0
DELISTED DCER	Y	0.25	0	0	0	-	-	0
DRYCLEANERS	Y	0.25	0	0	0	-	-	0
DELISTED DRYCLEANERS	Y	0.25	0	0	0	-	-	0
CDL	Y	PO	0	-	-	-	-	0
SPILLS	Y	0.125	0	0	-	-	-	0
SPILS	Y	0.125	0	0	-	-	-	0
SWM COMPLAINT	Y	0.25	0	0	**1**	-	-	**1**
HWM	Y	0.25	0	0	0	-	-	0
Tribal	***No Tribal additional environmental record sources available for this State.***							

Database	Searched	Search Radius	Project Property	Within 0.12mi	0.125mi to 0.25mi	0.25mi to 0.50mi	0.50mi to 1.00mi	Total
County	***No County additional environmental record sources available for this State.***							
	Total:		*0*	*0*	***14***	***31***	*0*	***45***

**** PO – Property Only***
**** 'Property and adjoining properties' database search radii are set at 0.25 miles.***

Executive Summary: Site Report Summary - Project Property

Map Key	DB	Company/Site Name	Address	Direction	Distance (mi/ft)	Elev Diff (ft)	Page Number

No records found in the selected databases for the project property.

Executive Summary: Site Report Summary - Surrounding Properties

Map Key	DB	Company/Site Name	Address	Direction	Distance (mi/ft)	Elev Diff (ft)	Page Number
1	RCRA NON GEN	COLLINS CHAPEL HOSP HLTH CTR	409 N AYERS ST MEMPHIS TN 38107 ***EPA Handler ID:*** TND081341950	NW	0.13 / 703.78	-3	24
2	RCRA NON GEN	MEMPHIS LIGHT GAS AND WATER DIVISION	418 DECATUR LANE MEMPHIS TN 38105 ***EPA Handler ID:*** TNR000007278	NE	0.14 / 734.40	1	24
3	LUST	Exxon/Mobile Bulk Terminal	432 North Dunlap Memphis TN ***Facility ID | Current Status:*** 9799001 | 8 Case Closed	NW	0.21 / 1,132.35	-13	25
3	UST	Memphis Bulk Plant	432 North Dunlap St. Memphis TN 38105 ***Facility ID | Facility Status:*** 9790984 | InActive ***Tank ID:*** 48801, 48802, 48800, 48799	NW	0.21 / 1,132.35	-13	25
3	SRP	MEMPHIS BULK PLANT	432 NORTH DUNLAP ST. MEMPHIS TN	NW	0.21 / 1,132.35	-13	28
3	VCP	MEMPHIS BULK PLANT	432 NORTH DUNLAP ST. MEMPHIS TN	NW	0.21 / 1,132.35	-13	28
4	INST	SOUTHERN STEEL	431 DUNLAP MEMPHIS TN	NW	0.22 / 1,180.16	-14	28
4	SRP	SOUTHERN STEEL	431 DUNLAP MEMPHIS TN	NW	0.22 / 1,180.16	-14	28
4	VCP	SOUTHERN STEEL	431 DUNLAP MEMPHIS TN	NW	0.22 / 1,180.16	-14	28
5	SWM COMPLAINT	McKenzie - Lane Auto Salvage	433 North Waldran Memphis TN	ENE	0.23 / 1,219.08	0	29
6	UST	Insulation And Refractories Service	1041 Galloway Memphis TN 38105 ***Facility ID | Facility Status:*** 9790418 | InActive ***Tank ID:*** 45987, 45988	NNE	0.23 / 1,236.05	2	29
7	UST	Hardy's Service Station	955 Poplar Memphis TN 38105 ***Facility ID | Facility Status:*** 9790387 | InActive ***Tank ID:*** 45639, 45636, 45637, 45638	SSW	0.24 / 1,255.22	-16	31

Map Key	DB	Company/Site Name	Address	Direction	Distance (mi/ft)	Elev Diff (ft)	Page Number
8	UST	Insulation And Refractories Services	1041 Galloway Avenue Memphis TN 38105	NE	0.24 / 1,266.53	-2	33
			***Facility ID	Facility Status:*** 9790417 | InActive ***Tank ID:*** 45986, 45985			
9	RCRA NON GEN	MITCHELL & SON INC	451 N WALDRAN MEMPHIS TN 38105	ENE	0.25 / 1,318.03	2	34
			EPA Handler ID: TND000005884				
10	SRP	CHURCH'S FRIED CHICKEN	925 POPLAR AVENUE MEMPHIS TN	SSW	0.26 / 1,353.57	-13	35
10	VCP	CHURCH'S FRIED CHICKEN	925 POPLAR AVENUE MEMPHIS TN	SSW	0.26 / 1,353.57	-13	35
11	VCP	DIXIE HOMES	916 POPLAR AVENUE MEMPHIS TN	SSW	0.26 / 1,356.53	-12	35
11	INST	DIXIE HOMES	916 POPLAR AVENUE MEMPHIS TN	SSW	0.26 / 1,356.53	-12	35
12	SRP	MEMPHIS MENTAL HEALTH INSTITUTE	865 POPLAR AVENUE MEMPHIS TN	SW	0.30 / 1,600.59	-3	36
12	VCP	MEMPHIS MENTAL HEALTH INSTITUTE	865 POPLAR AVENUE MEMPHIS TN	SW	0.30 / 1,600.59	-3	36
13	LUST TRUST	BP STATION #767	821 POPLAR AVE MEMPHIS TN 38105	WSW	0.34 / 1,810.06	5	36
			***Facility ID	Status:*** 9791083 | Closed			
13	LUST	AMOCO STATION #767	821 POPLAR AVENUE MEMPHIS TN 38105	WSW	0.34 / 1,810.06	5	36
			***Facility ID	Current Status:*** 9791083 | 8 Case Closed			
13	LUST	BP/AMOCO #18440	821 Poplar Avenue Memphis TN 38105	WSW	0.34 / 1,810.06	5	36
			***Facility ID	Current Status:*** 9791083 | 8 Case Closed			
13	LUST	Poplar Avenue BP	821 Poplar Avenue Memphis TN 38105	WSW	0.34 / 1,810.06	5	37
			***Facility ID	Current Status:*** 9791083 | 1d Completed Line Closure			
13	LUST	Poplar Avenue BP	821 Poplar Avenue Memphis TN 38105	WSW	0.34 / 1,810.06	5	37
			***Facility ID	Current Status:*** 9791083 | 1a Completed Tank Closure			

Map Key	DB	Company/Site Name	Address	Direction	Distance (mi/ft)	Elev Diff (ft)	Page Number
14	LUST TRUST	EXTRA EXPRESS MARKET	777 POPLAR AVE MEMPHIS TN 38105	WSW	0.38 / 2,014.14	8	37
			Facility ID* | *Status: 9791539 | Closed				
14	LUST TRUST	7-ELEVEN #25559	777 POPLAR AVE MEMPHIS TN	WSW	0.38 / 2,014.14	8	37
			Facility ID* | *Status: 9791539 | Closed				
14	LUST TRUST	FLASH MARKET #72	777 POPLAR AVENUE MEMPHIS TN	WSW	0.38 / 2,014.14	8	38
			Facility ID* | *Status: 9791539 | Closed				
14	LUST	FLASH OIL CO #72	777 POPLAR AVE MEMPHIS TN 38104	WSW	0.38 / 2,014.14	8	38
			Facility ID* | *Current Status: 9791539 | 8 Case Closed				
14	LUST	FLASH OIL CO #72	777 POPLAR AVE MEMPHIS TN 38104	WSW	0.38 / 2,014.14	8	38
			Facility ID* | *Current Status: 9791539 | 8 Case Closed				
14	DELISTED LST	FORMER EXTRA EXPRESS MART	777 Poplar Avenue Memphis TN 38104	WSW	0.38 / 2,014.14	8	38
14	LUST	EXTRA SEVEN ELEVEN, INC.	777 Poplar Avenue Memphis TN 38104	WSW	0.38 / 2,014.14	8	39
			Facility ID* | *Current Status: 9791539 | 8 Case Closed				
15	SRP	AUTO-CHLOR, INC.	746 POPLAR AVENUE MEMPHIS TN	WSW	0.41 / 2,161.07	9	39
15	LUST	AUTO CLOR SYSTEM	746 POPLAR AVE MEMPHIS TN 38105	WSW	0.41 / 2,161.07	9	39
			Facility ID* | *Current Status: 9790057 | 1a Completed Tank Closure				
15	VCP	AUTO-CHLOR	746 POPLAR AVENUE MEMPHIS TN	WSW	0.41 / 2,161.07	9	39
15	VCP	AUTO-CHLOR, INC.	746 POPLAR AVENUE MEMPHIS TN	WSW	0.41 / 2,161.07	9	40
16	LUST	VA MEDICAL CENTER	1030 JEFFERSON AVENUE Memphis TN 38104	SSE	0.42 / 2,226.92	6	40
			Facility ID* | *Current Status: 790807 | 1a Completed Tank Closure				
16	SEMS	VA MEDICAL CENTER	1030 JEFFERSON AVENUE MEMPHIS TN 38104	SSE	0.42 / 2,226.92	6	40
			EPA ID: TNN000410932				
17	LUST	AIR MASK SERVICE UNIT	1010 FOXON MEMPHIS TN 38105	NNE	0.43 / 2,287.39	-2	41

Map Key	DB	Company/Site Name	Address	Direction	Distance (mi/ft)	Elev Diff (ft)	Page Number
			***Facility ID*	*Current Status:*** 9791109 | 1a Completed Tank Closure			
18	LUST	Le Bonhuer Faculty Office Building	824 Adams St. Memphis TN	SW	0.46 / 2,447.94	16	41
			***Facility ID*	*Current Status:*** 9799039 | 1a Completed Tank Closure			
19	LUST TRUST	FORMER SCOTT UNION 76	749 NORTH PARKWAY MEMPHIS TN 38105	NW	0.48 / 2,515.10	-20	41
			***Facility ID*	*Status:*** 9790606 | Denied			
20	LUST	THE MED ADAM'S BUILDING	842 JEFFERSON AVENUE Memphis TN 38103	SW	0.50 / 2,632.59	8	41
			***Facility ID*	*Current Status:*** 9792354 | 8 Case Closed			
21	LUST	GOODYEAR ASC (CLOSED)	726 N PARKWAY MEMPHIS TN 38105	NW	0.50 / 2,633.29	-17	42
			***Facility ID*	*Current Status:*** 9790366 | 8 Case Closed			
22	LUST TRUST	VEHICLE SERVICE CENTER	671 ST JUDE PLACE MEMPHIS TN 38105	WNW	0.50 / 2,635.80	-27	42
			***Facility ID*	*Status:*** 9791203 | Closed			
22	LUST	GS VEHICLE MAINTENANCE	671 St. Jude Place Memphis TN 38105	WNW	0.50 / 2,635.80	-27	42
			***Facility ID*	*Current Status:*** 9791203 | 8 Case Closed			

Executive Summary: Summary by Data Source

Standard

Federal

SEMS - SEMS List 8R Active Site Inventory

A search of the SEMS database, dated Oct 20, 2021 has found that there are 1 SEMS site(s) within approximately 0.50 miles of the project property.

Equal/Higher Elevation	Address	Direction	Distance (mi/ft)	Map Key
VA MEDICAL CENTER	1030 JEFFERSON AVENUE MEMPHIS TN 38104 ***EPA ID**: TNN000410932*	SSE	0.42 / 2,226.92	16

RCRA NON GEN - RCRA Non-Generators

A search of the RCRA NON GEN database, dated Aug 30, 2021 has found that there are 3 RCRA NON GEN site(s) within approximately 0.25 miles of the project property.

Equal/Higher Elevation	Address	Direction	Distance (mi/ft)	Map Key
MEMPHIS LIGHT GAS AND WATER DIVISION	418 DECATUR LANE MEMPHIS TN 38105 ***EPA Handler ID**: TNR000007278*	NE	0.14 / 734.40	2
MITCHELL & SON INC	451 N WALDRAN MEMPHIS TN 38105 ***EPA Handler ID**: TND000005884*	ENE	0.25 / 1,318.03	9

Lower Elevation	Address	Direction	Distance (mi/ft)	Map Key
COLLINS CHAPEL HOSP HLTH CTR	409 N AYERS ST MEMPHIS TN 38107 ***EPA Handler ID**: TND081341950*	NW	0.13 / 703.78	1

State

LUST - Environmental Activities on USTs

A search of the LUST database, dated Aug 9, 2021 has found that there are 15 LUST site(s) within approximately 0.50 miles of the project property.

Equal/Higher Elevation	Address	Direction	Distance (mi/ft)	Map Key
Poplar Avenue BP	821 Poplar Avenue Memphis TN 38105 ***Facility ID**	**Current Status**: 9791083 | 1a Completed Tank Closure*	WSW	0.34 / 1,810.06	13
Poplar Avenue BP	821 Poplar Avenue Memphis TN 38105	WSW	0.34 / 1,810.06	13

Equal/Higher Elevation	Address	Direction	Distance (mi/ft)	Map Key
	***Facility ID | Current Status**: 9791083 | 1d Completed Line Closure*			
BP/AMOCO #18440	821 Poplar Avenue Memphis TN 38105	WSW	0.34 / 1,810.06	13
	***Facility ID | Current Status**: 9791083 | 8 Case Closed*			
AMOCO STATION #767	821 POPLAR AVENUE MEMPHIS TN 38105	WSW	0.34 / 1,810.06	13
	***Facility ID | Current Status**: 9791083 | 8 Case Closed*			
FLASH OIL CO #72	777 POPLAR AVE MEMPHIS TN 38104	WSW	0.38 / 2,014.14	14
	***Facility ID | Current Status**: 9791539 | 8 Case Closed*			
EXTRA SEVEN ELEVEN, INC.	777 Poplar Avenue Memphis TN 38104	WSW	0.38 / 2,014.14	14
	***Facility ID | Current Status**: 9791539 | 8 Case Closed*			
FLASH OIL CO #72	777 POPLAR AVE MEMPHIS TN 38104	WSW	0.38 / 2,014.14	14
	***Facility ID | Current Status**: 9791539 | 8 Case Closed*			
AUTO CLOR SYSTEM	746 POPLAR AVE MEMPHIS TN 38105	WSW	0.41 / 2,161.07	15
	***Facility ID | Current Status**: 9790057 | 1a Completed Tank Closure*			
VA MEDICAL CENTER	1030 JEFFERSON AVENUE Memphis TN 38104	SSE	0.42 / 2,226.92	16
	***Facility ID | Current Status**: 790807 | 1a Completed Tank Closure*			
Le Bonhuer Faculty Office Building	824 Adams St. Memphis TN	SW	0.46 / 2,447.94	18
	***Facility ID | Current Status**: 9799039 | 1a Completed Tank Closure*			
THE MED ADAM'S BUILDING	842 JEFFERSON AVENUE Memphis TN 38103	SW	0.50 / 2,632.59	20
	***Facility ID | Current Status**: 9792354 | 8 Case Closed*			

Lower Elevation	Address	Direction	Distance (mi/ft)	Map Key
Exxon/Mobile Bulk Terminal	432 North Dunlap Memphis TN	NW	0.21 / 1,132.35	3
	***Facility ID | Current Status**: 9799001 | 8 Case Closed*			
AIR MASK SERVICE UNIT	1010 FOXON MEMPHIS TN 38105	NNE	0.43 / 2,287.39	17
	***Facility ID | Current Status**: 9791109 | 1a Completed Tank Closure*			
GOODYEAR ASC (CLOSED)	726 N PARKWAY MEMPHIS TN 38105	NW	0.50 / 2,633.29	21
	***Facility ID | Current Status**: 9790366 | 8 Case Closed*			

Lower Elevation	Address	Direction	Distance (mi/ft)	Map Key
GS VEHICLE MAINTENANCE	671 St. Jude Place Memphis TN 38105	WNW	0.50 / 2,635.80	22
	Facility ID* | *Current Status: *9791203* | *8 Case Closed*			

LUST TRUST - Tennessee Petroleum Underground Storage Tank Fund

A search of the LUST TRUST database, dated Aug 9, 2021 has found that there are 6 LUST TRUST site(s) within approximately 0.50 miles of the project property.

Equal/Higher Elevation	Address	Direction	Distance (mi/ft)	Map Key
BP STATION #767	821 POPLAR AVE MEMPHIS TN 38105	WSW	0.34 / 1,810.06	13
	Facility ID* | *Status: *9791083* | *Closed*			
7-ELEVEN #25559	777 POPLAR AVE MEMPHIS TN	WSW	0.38 / 2,014.14	14
	Facility ID* | *Status: *9791539* | *Closed*			
FLASH MARKET #72	777 POPLAR AVENUE MEMPHIS TN	WSW	0.38 / 2,014.14	14
	Facility ID* | *Status: *9791539* | *Closed*			
EXTRA EXPRESS MARKET	777 POPLAR AVE MEMPHIS TN 38105	WSW	0.38 / 2,014.14	14
	Facility ID* | *Status: *9791539* | *Closed*			

Lower Elevation	Address	Direction	Distance (mi/ft)	Map Key
FORMER SCOTT UNION 76	749 NORTH PARKWAY MEMPHIS TN 38105	NW	0.48 / 2,515.10	19
	Facility ID* | *Status: *9790606* | *Denied*			
VEHICLE SERVICE CENTER	671 ST JUDE PLACE MEMPHIS TN 38105	WNW	0.50 / 2,635.80	22
	Facility ID* | *Status: *9791203* | *Closed*			

DELISTED LST - Delisted Leaking Storage Tanks

A search of the DELISTED LST database, dated Aug 9, 2021 has found that there are 1 DELISTED LST site(s) within approximately 0.50 miles of the project property.

Equal/Higher Elevation	Address	Direction	Distance (mi/ft)	Map Key
FORMER EXTRA EXPRESS MART	777 Poplar Avenue Memphis TN 38104	WSW	0.38 / 2,014.14	14

UST - Underground Storage Tanks

A search of the UST database, dated Aug 9, 2021 has found that there are 4 UST site(s) within approximately 0.25 miles of the project property.

Equal/Higher Elevation	Address	Direction	Distance (mi/ft)	Map Key
Insulation And Refractories Service	1041 Galloway Memphis TN 38105 ***Facility ID | Facility Status**: 9790418 | InActive* ***Tank ID**: 45987, 45988*	NNE	0.23 / 1,236.05	6

Lower Elevation	Address	Direction	Distance (mi/ft)	Map Key
Memphis Bulk Plant	432 North Dunlap St. Memphis TN 38105 ***Facility ID | Facility Status**: 9790984 | InActive* ***Tank ID**: 48801, 48802, 48800, 48799*	NW	0.21 / 1,132.35	3
Hardy's Service Station	955 Poplar Memphis TN 38105 ***Facility ID | Facility Status**: 9790387 | InActive* ***Tank ID**: 45639, 45636, 45637, 45638*	SSW	0.24 / 1,255.22	7
Insulation And Refractories Services	1041 Galloway Avenue Memphis TN 38105 ***Facility ID | Facility Status**: 9790417 | InActive* ***Tank ID**: 45986, 45985*	NE	0.24 / 1,266.53	8

INST - Sites Remediated with Institutional Controls

A search of the INST database, dated Oct 29, 2021 has found that there are 2 INST site(s) within approximately 0.50 miles of the project property.

Lower Elevation	Address	Direction	Distance (mi/ft)	Map Key
SOUTHERN STEEL	431 DUNLAP MEMPHIS TN	NW	0.22 / 1,180.16	4
DIXIE HOMES	916 POPLAR AVENUE MEMPHIS TN	SSW	0.26 / 1,356.53	11

VCP - Voluntary Cleanup, Oversight and Assistance Program

A search of the VCP database, dated Oct 29, 2021 has found that there are 7 VCP site(s) within approximately 0.50 miles of the project property.

Equal/Higher Elevation	Address	Direction	Distance (mi/ft)	Map Key
AUTO-CHLOR	746 POPLAR AVENUE MEMPHIS TN	WSW	0.41 / 2,161.07	15
AUTO-CHLOR, INC.	746 POPLAR AVENUE MEMPHIS TN	WSW	0.41 / 2,161.07	15

Lower Elevation	Address	Direction	Distance (mi/ft)	Map Key
MEMPHIS BULK PLANT	432 NORTH DUNLAP ST. MEMPHIS TN	NW	0.21 / 1,132.35	3
SOUTHERN STEEL	431 DUNLAP MEMPHIS TN	NW	0.22 / 1,180.16	4
CHURCH'S FRIED CHICKEN	925 POPLAR AVENUE MEMPHIS TN	SSW	0.26 / 1,353.57	10
DIXIE HOMES	916 POPLAR AVENUE MEMPHIS TN	SSW	0.26 / 1,356.53	11
MEMPHIS MENTAL HEALTH INSTITUTE	865 POPLAR AVENUE MEMPHIS TN	SW	0.30 / 1,600.59	12

SRP - State Remediation Program List

A search of the SRP database, dated Oct 29, 2021 has found that there are 5 SRP site(s) within approximately 0.50 miles of the project property.

Equal/Higher Elevation	Address	Direction	Distance (mi/ft)	Map Key
AUTO-CHLOR, INC.	746 POPLAR AVENUE MEMPHIS TN	WSW	0.41 / 2,161.07	15

Lower Elevation	Address	Direction	Distance (mi/ft)	Map Key
MEMPHIS BULK PLANT	432 NORTH DUNLAP ST. MEMPHIS TN	NW	0.21 / 1,132.35	3
SOUTHERN STEEL	431 DUNLAP MEMPHIS TN	NW	0.22 / 1,180.16	4
CHURCH'S FRIED CHICKEN	925 POPLAR AVENUE MEMPHIS TN	SSW	0.26 / 1,353.57	10
MEMPHIS MENTAL HEALTH INSTITUTE	865 POPLAR AVENUE MEMPHIS TN	SW	0.30 / 1,600.59	12

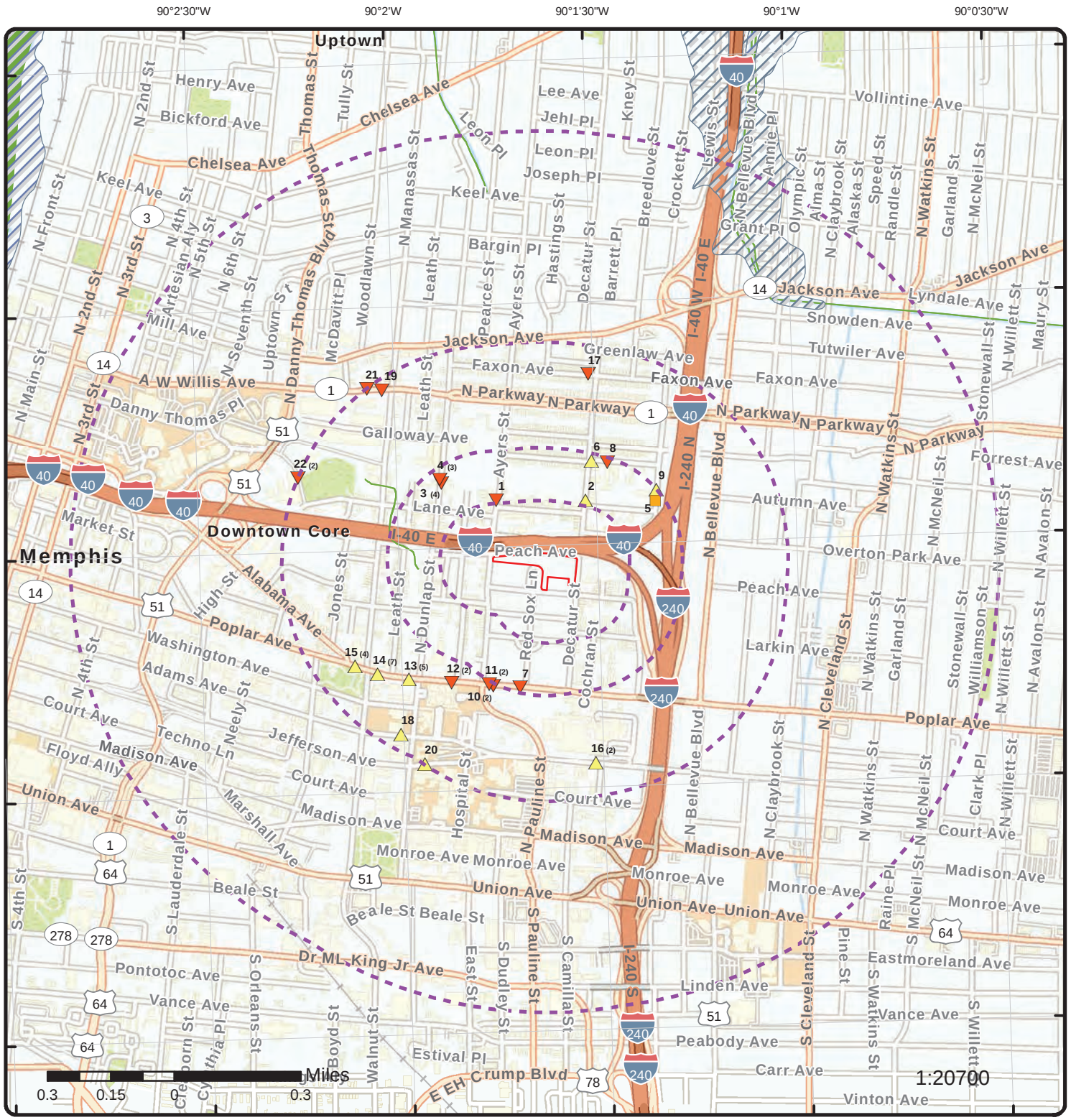
Non Standard

State

SWM COMPLAINT - Solid Waste Management (SWM) Complaints

A search of the SWM COMPLAINT database, dated Jan 25, 2021 has found that there are 1 SWM COMPLAINT site(s) within approximately 0.25 miles of the project property.

Lower Elevation	Address	Direction	Distance (mi/ft)	Map Key
McKenzie - Lane Auto Salvage	433 North Waldran Memphis TN	ENE	0.23 / 1,219.08	5



Map: 1.0 Mile Radius

Order Number: 21112200240

Address: Legends Park - Block A, Memphis, TN

ERIS

- Project Property
- Buffer Outline
- Eris Sites with Higher Elevation
- Eris Sites with Same Elevation
- Eris Sites with Lower Elevation
- Eris Sites with Unknown Elevation
- Eris Areas with Higher Elevation
- Eris Areas with Same Elevation
- Eris Areas with Lower Elevation
- Eris Areas with Unknown Elevation
- Freeways; Highways
- Traffic Circle; Ramp
- Major & Minor Arterial
- Traffic Circle; Ramp
- Local Road
- Rail
- State
- Country
- National Priority List Sites
- National Wetland
- Indian Reserve Land
- Historic Fill
- 100 Year Flood Zone
- 500 Year Flood Zone
- FWS Special Designation Areas
- Plume

Source: © 2021 ESRI StreetMap Premium

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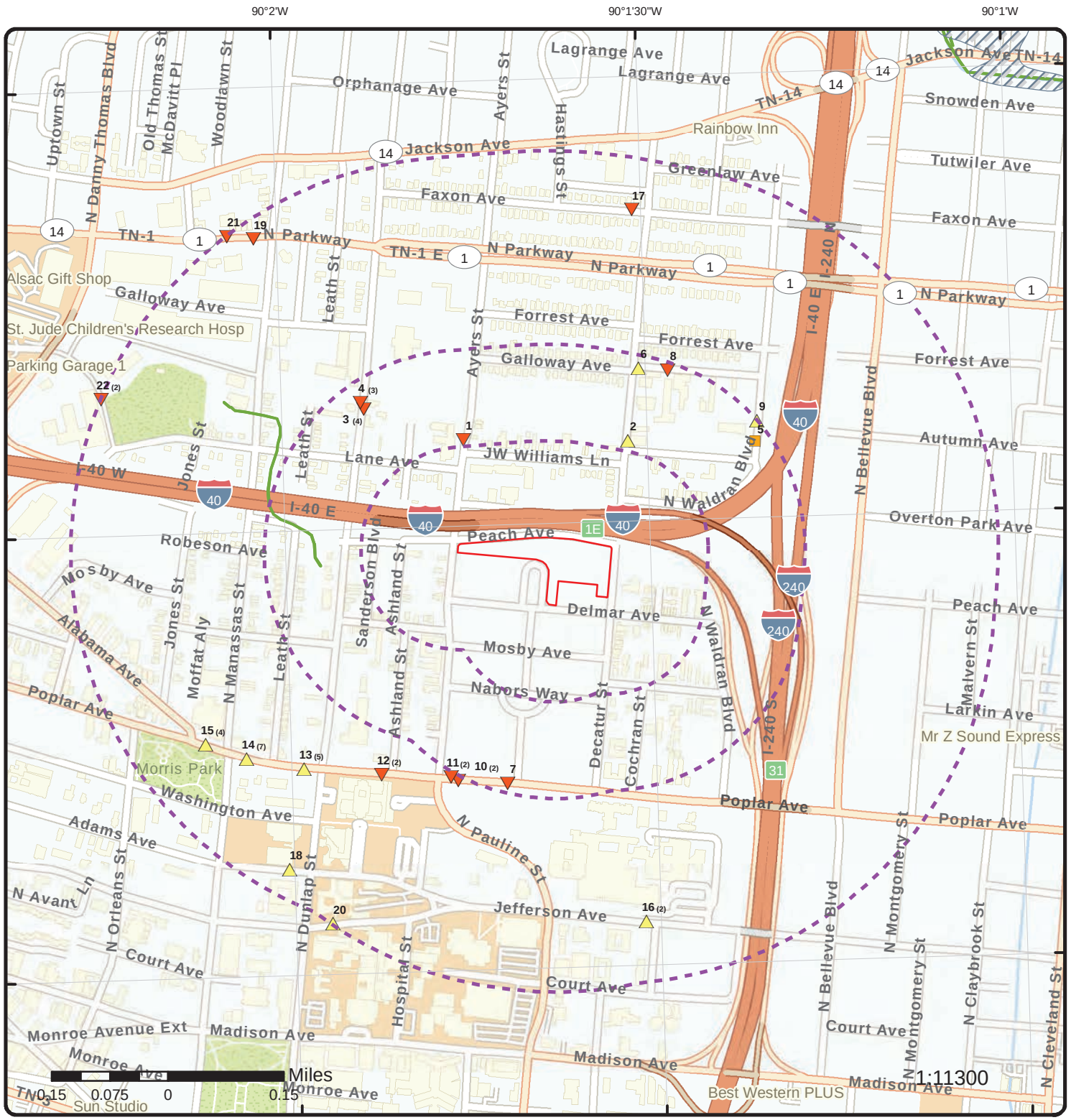

Map: 0.5 Mile Radius

Order Number: 21112200240

Address: Legends Park - Block A, Memphis, TN

- Project Property
- Buffer Outline
- Eris Sites with Higher Elevation
- Eris Sites with Same Elevation
- Eris Sites with Lower Elevation
- Eris Sites with Unknown Elevation
- Eris Areas with Higher Elevation
- Eris Areas with Same Elevation
- Eris Areas with Lower Elevation
- Eris Areas with Unknown Elevation
- Freeways; Highways
- Traffic Circle; Ramp
- Major & Minor Arterial
- Traffic Circle; Ramp
- Local Road
- Rail
- State
- Country
- National Priority List Sites
- National Wetland
- Indian Reserve Land
- Historic Fill
- 100 Year Flood Zone
- 500 Year Flood Zone
- FWS Special Designation Areas
- Plume

Source: © 2021 ESRI StreetMap Premium

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Map: 0.25 Mile Radius

Order Number: 21112200240

Address: Legends Park - Block A, Memphis, TN

- Project Property
- Buffer Outline
- Eris Sites with Higher Elevation
- Eris Sites with Same Elevation
- Eris Sites with Lower Elevation
- Eris Sites with Unknown Elevation
- Eris Areas with Higher Elevation
- Eris Areas with Same Elevation
- Eris Areas with Lower Elevation
- Eris Areas with Unknown Elevation
- Freeways; Highways
- Traffic Circle; Ramp
- Major & Minor Arterial
- Traffic Circle; Ramp
- Local Road
- Rail
- State
- Country
- National Priority List Sites
- National Wetland
- Indian Reserve Land
- Historic Fill
- 100 Year Flood Zone
- 500 Year Flood Zone
- FWS Special Designation Areas
- Plume

Source: © 2021 ESRI StreetMap Premium

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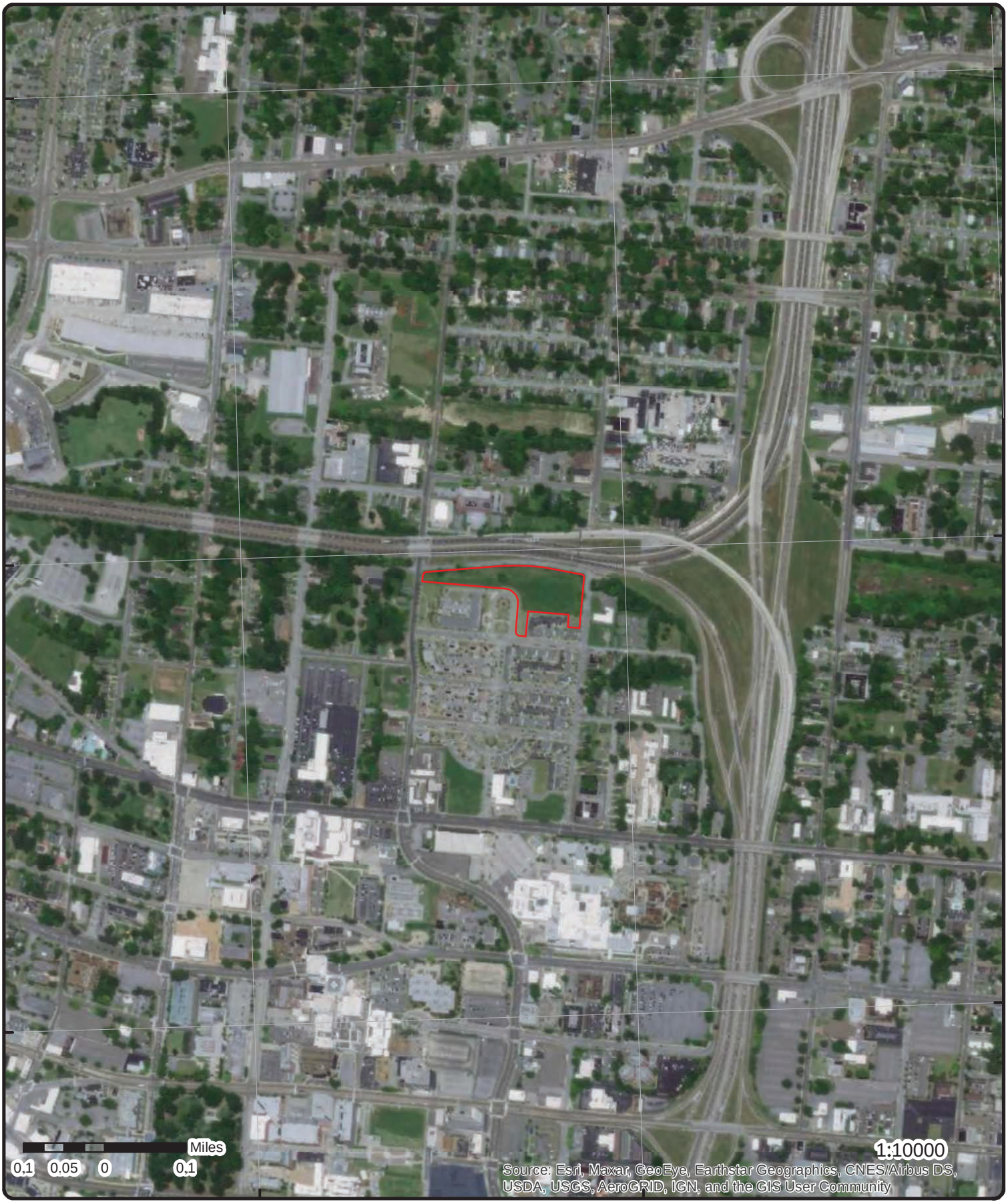

Aerial **Year: 2020**

Order Number: 21112200240

Address: Legends Park - Block A, Memphis, TN

Source: ESRI World Imagery

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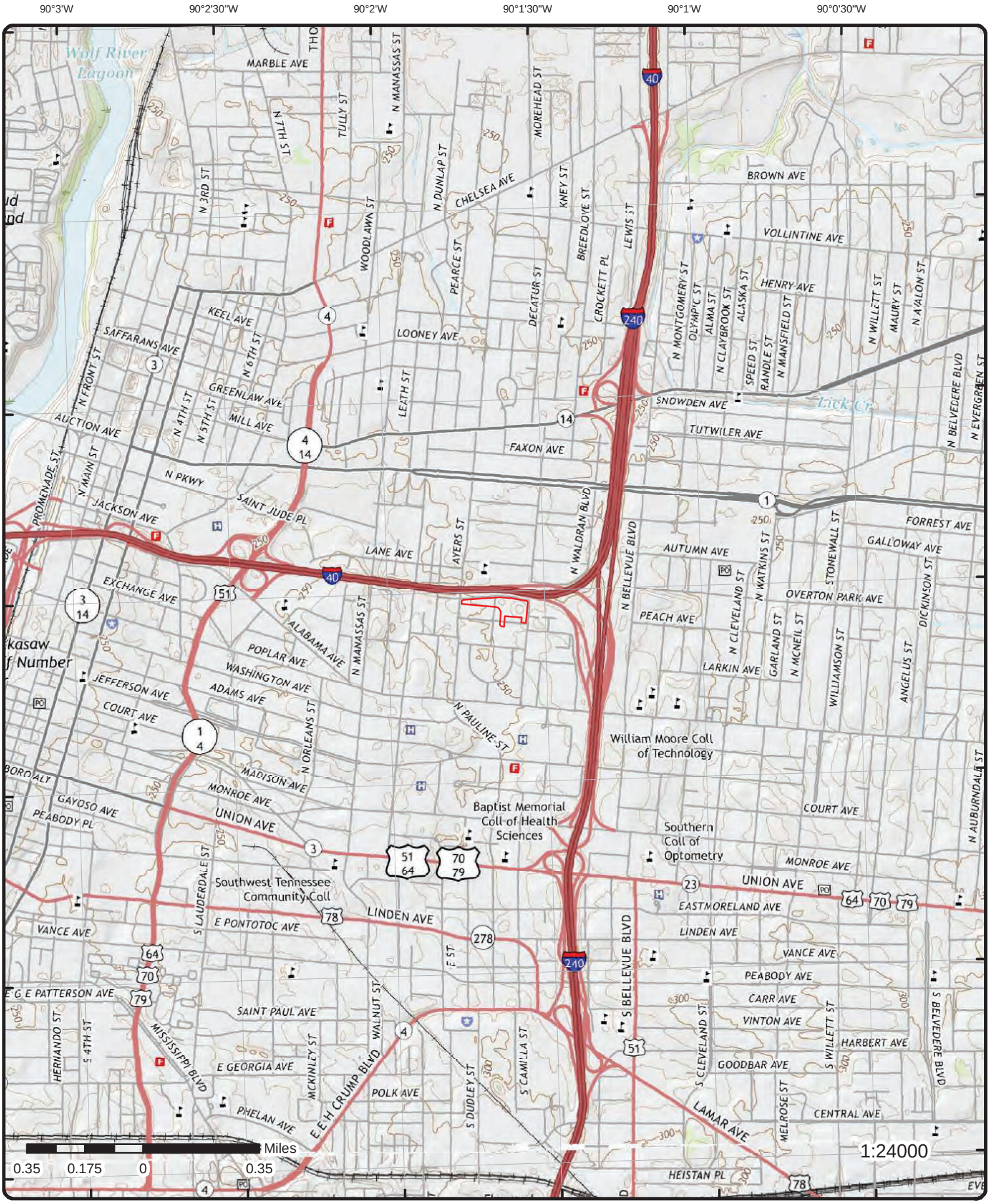

Topographic Map

Year: 2016

Order Number: 21112200240

Address: Legends Park - Block A, TN

Quadrangle(s): Northeast Memphis, TN; Northwest Memphis, TN; Southwest Memphis, TN

© ERIS Information Inc.

Source: USGS Topographic Map

Detail Report

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
1	1 of 1	NW	0.13 / 703.78	257.47 / -3	COLLINS CHAPEL HOSP HLTH CTR 409 N AYERS ST MEMPHIS TN 38107	RCRA NON GEN

EPA Handler ID: TND081341950
Gen Status Universe: No Report
Contact Name: COLLINS CHAPEL
Contact Address: 409 N AYERS ST , , MEMPHIS , TN, 38107 , US
Contact Phone No and Ext: 615-555-1212
Contact Email:
Contact Country: US
County Name: SHELBY
EPA Region: 04
Land Type:
Receive Date: 19801119
Location Latitude:
Location Longitude:

Violation/Evaluation Summary

Note: NO RECORDS: As of Aug 2021, there are no Compliance Monitoring and Enforcement (violation) records associated with this facility (EPA ID).

Handler Summary

Importer Activity: No
Mixed Waste Generator: No
Transporter Activity: No
Transfer Facility: No
Onsite Burner Exemption: No
Furnace Exemption: No
Underground Injection Activity: No
Commercial TSD: No
Used Oil Transporter: No
Used Oil Transfer Facility: No
Used Oil Processor: No
Used Oil Refiner: No
Used Oil Burner: No
Used Oil Market Burner: No
Used Oil Spec Marketer: No

Hazardous Waste Handler Details

Sequence No: 1
Receive Date: 19801119
Handler Name: COLLINS CHAPEL HOSP HLTH CTR
Source Type: Notification
Federal Waste Generator Code: N
Generator Code Description: Not a Generator, Verified

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
2	1 of 1	NE	0.14 / 734.40	260.75 / 1	MEMPHIS LIGHT GAS AND WATER DIVISION 418 DECATUR LANE MEMPHIS TN 38105	RCRA NON GEN

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

EPA Handler ID: TNR000007278
Gen Status Universe: No Report
Contact Name: MONICA DARBY
Contact Address: 418 DECATUR LANE , , MEMPHIS , TN, 38105 , US
Contact Phone No and Ext: 901-528-4423
Contact Email:
Contact Country: US
County Name: SHELBY
EPA Region: 04
Land Type:
Receive Date: 20000303
Location Latitude:
Location Longitude:

Violation/Evaluation Summary

Note: NO RECORDS: As of Aug 2021, there are no Compliance Monitoring and Enforcement (violation) records associated with this facility (EPA ID).

Handler Summary

Importer Activity: No
Mixed Waste Generator: No
Transporter Activity: No
Transfer Facility: No
Onsite Burner Exemption: No
Furnace Exemption: No
Underground Injection Activity: No
Commercial TSD: No
Used Oil Transporter: No
Used Oil Transfer Facility: No
Used Oil Processor: No
Used Oil Refiner: No
Used Oil Burner: No
Used Oil Market Burner: No
Used Oil Spec Marketer: No

Hazardous Waste Handler Details

Sequence No: 1
Receive Date: 20000303
Handler Name: MEMPHIS LIGHT GAS AND WATER DIVISION
Source Type: Notification
Federal Waste Generator Code: N
Generator Code Description: Not a Generator, Verified

3	1 of 4	NW	0.21 / 1,132.35	246.68 / -13	**Exxon/Mobile Bulk Terminal** **432 North Dunlap** **Memphis TN**	LUST

Facility ID: 9799001
Site No: 1
Current Status: 8 Case Closed
Cause: 7 Unknown
CAC Company:
Owner Name: ExxonMobil Refining and Supply Co.
Case Description:
Product Released:
Discovery Date: NOV-06-1990
How Discovered: 8 Other
County: Shelby

3	2 of 4	NW	0.21 / 1,132.35	246.68 / -13	**Memphis Bulk Plant** **432 North Dunlap St.** **Memphis TN 38105**	UST

Facility ID:	9790984	**Currently in Use:**	
Facility Status:	InActive	**Perm Out of Use:**	4
Facility Type:	Industrial	**Temp Out of Service:**	
Tank Count:	4	**Abandoned:**	
Regulated:		**Facility County:**	
Facility Red Tagged:	No	**Owner ID:**	308813
Reason Red Tagged:	N	**Owner Name:**	Mobil Oil Corporation
Region:		**Owner Type:**	Private

Tank Details

Tank ID:	48801	**Owner Type:**	Private
Tank No:	3	**Owner Status:**	InActive
Date Tank Installed:	5/1/1961	**Owner CIU Count:**	
Date Tank Closed:	5/1/1975	**Owner POU Count:**	4
Emergency Gen:		**Owner TOU Count:**	
Tank Mode of Constr:		**Owner Tank Count:**	4
Facility Count:	1		
How Tank Closed:	Removed from Ground		
Tank Material:	Steel		
Owner Name:	Mobil Oil Corporation		

Compartment Details

Compart ID:	49535	**Piping Type:**	
Compart Status:	Permanently Out of Use	**Flex Piping Type:**	
Compart Overall Stat:	Inactive	**Pipe Install Dt:**	
Date Comprt Closed:		**Spill Device Install:**	Yes
Compart Letter:	A	**Pipe Construction:**	
Compart Regulated:		**Small Delivery:**	
Compt Capacity:	10000	**Owner Address1:**	3225 Gallows Road
Compt Substance:	Not Listed	**Owner Address2:**	
Comprt Rel Detec:	Tank LD Not Listed	**Owner City:**	Fairfax
Date Last Used:	5/1/1975	**Owner State:**	VA
Overfill Device Install:	Yes	**Owner Zip:**	22037
Overfill Type:			
Pipe Material:	Hazardous Substance		
Catasatrophic L L Detec:	None		
Periodic Line Leak Detection:	Pipe Leak Detection Not Listed		

Tank Details

Tank ID:	48802	**Owner Type:**	Private
Tank No:	4	**Owner Status:**	InActive
Date Tank Installed:	5/1/1961	**Owner CIU Count:**	
Date Tank Closed:	5/1/1975	**Owner POU Count:**	4
Emergency Gen:		**Owner TOU Count:**	
Tank Mode of Constr:		**Owner Tank Count:**	4
Facility Count:	1		
How Tank Closed:	Removed from Ground		
Tank Material:	Steel		
Owner Name:	Mobil Oil Corporation		

Compartment Details

Compart ID:	49536	**Piping Type:**	
Compart Status:	Permanently Out of Use	**Flex Piping Type:**	
Compart Overall Stat:	Inactive	**Pipe Install Dt:**	
Date Comprt Closed:		**Spill Device Install:**	Yes
Compart Letter:	A	**Pipe Construction:**	
Compart Regulated:		**Small Delivery:**	
Compt Capacity:	10000	**Owner Address1:**	3225 Gallows Road
Compt Substance:	Not Listed	**Owner Address2:**	
Comprt Rel Detec:	Tank LD Not Listed	**Owner City:**	Fairfax

Date Last Used:	5/1/1975	***Owner State:***	VA
Overfill Device Install:	Yes	***Owner Zip:***	22037
Overfill Type:			
Pipe Material:	Hazardous Substance		
Catasatrophic L L Detec:	None		
Periodic Line Leak Detection:	Pipe Leak Detection Not Listed		

Tank Details

Tank ID:	48800	***Owner Type:***	Private
Tank No:	2	***Owner Status:***	InActive
Date Tank Installed:	5/1/1961	***Owner CIU Count:***	
Date Tank Closed:	7/1/1988	***Owner POU Count:***	4
Emergency Gen:		***Owner TOU Count:***	
Tank Mode of Constr:		***Owner Tank Count:***	4
Facility Count:	1		
How Tank Closed:	Removed from Ground		
Tank Material:	Steel		
Owner Name:	Mobil Oil Corporation		

Compartment Details

Compart ID:	49534	***Piping Type:***	
Compart Status:	Permanently Out of Use	***Flex Piping Type:***	
Compart Overall Stat:	Inactive	***Pipe Install Dt:***	
Date Comprt Closed:		***Spill Device Install:***	Yes
Compart Letter:	A	***Pipe Construction:***	
Compart Regulated:		***Small Delivery:***	
Compt Capacity:	7500	***Owner Address1:***	3225 Gallows Road
Compt Substance:	Gasoline	***Owner Address2:***	
Comprt Rel Detec:	Tank LD Not Listed	***Owner City:***	Fairfax
Date Last Used:	7/1/1988	***Owner State:***	VA
Overfill Device Install:	Yes	***Owner Zip:***	22037
Overfill Type:			
Pipe Material:	Hazardous Substance		
Catasatrophic L L Detec:	None		
Periodic Line Leak Detection:	Pipe Leak Detection Not Listed		

Tank Details

Tank ID:	48799	***Owner Type:***	Private
Tank No:	1	***Owner Status:***	InActive
Date Tank Installed:	5/1/1961	***Owner CIU Count:***	
Date Tank Closed:	7/1/1988	***Owner POU Count:***	4
Emergency Gen:		***Owner TOU Count:***	
Tank Mode of Constr:		***Owner Tank Count:***	4
Facility Count:	1		
How Tank Closed:	Removed from Ground		
Tank Material:	Steel		
Owner Name:	Mobil Oil Corporation		

Compartment Details

Compart ID:	49533	***Piping Type:***	
Compart Status:	Permanently Out of Use	***Flex Piping Type:***	
Compart Overall Stat:	Inactive	***Pipe Install Dt:***	
Date Comprt Closed:		***Spill Device Install:***	Yes
Compart Letter:	A	***Pipe Construction:***	
Compart Regulated:		***Small Delivery:***	
Compt Capacity:	7500	***Owner Address1:***	3225 Gallows Road
Compt Substance:	ULS Diesel	***Owner Address2:***	
Comprt Rel Detec:	Tank LD Not Listed	***Owner City:***	Fairfax
Date Last Used:	7/1/1988	***Owner State:***	VA
Overfill Device Install:	Yes	***Owner Zip:***	22037

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Overfill Type:
Pipe Material: Hazardous Substance
Catasatrophic L L Detec: None
Periodic Line Leak Detection: Pipe Leak Detection Not Listed

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3 | **3 of 4** | **NW** | **0.21 / 1,132.35** | **246.68 / -13** | **MEMPHIS BULK PLANT**
432 NORTH DUNLAP ST.
MEMPHIS TN | **SRP**

DOR Site ID: SRS790769
Status: CLOSED
EPA Facility ID:
EPA Registry ID:
Delisted:
Promulgated Date:
DOR EFO: MEMPHIS
Program: VOLUNTARY
County: SHELBY
Latitude: 35.152193
Longitude: -90.0314
Acres:

---

3 | **4 of 4** | **NW** | **0.21 / 1,132.35** | **246.68 / -13** | **MEMPHIS BULK PLANT**
432 NORTH DUNLAP ST.
MEMPHIS TN | **VCP**

Site ID: SRS790769
EPA Facility ID:
EPA Registry ID:
Status: CLOSED
Acres:
Program: VOLUNTARY
EFO: MEMPHIS
County: SHELBY
Latitude: 35.152193
Longitude: -90.0314

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4 | **1 of 3** | **NW** | **0.22 / 1,180.16** | **246.21 / -14** | **SOUTHERN STEEL**
431 DUNLAP
MEMPHIS TN | **INST**

DOR Site ID: SRS791072
Site Status: CLOSED
Total Site Acreage: 4.08
Tdec Field Office: MEMPHIS
County: SHELBY
Site Latitude: 35.152251
Site Longitude: -90.031523

Detail(s)

Date Control Recorded: APR-02-2009
Date Control Removed:
Control Type: INSTITUTIONAL
Control Description: LAND USE RESTRICTION
Control Latitude: 35.153
Control Longitude: -90.033
Control Acreage: 4.08
Deed Book: 051009 00001C
Map:
Page No:
Parcel:

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4 | **2 of 3** | **NW** | **0.22 / 1,180.16** | **246.21 / -14** | **SOUTHERN STEEL**
431 DUNLAP
MEMPHIS TN | **SRP**

DOR Site ID: SRS791072
Status: CLOSED
EPA Facility ID:
EPA Registry ID:
Delisted:
Promulgated Date:
DOR EFO: MEMPHIS
Program: VOLUNTARY
County: SHELBY
Latitude: 35.152251
Longitude: -90.031523
Acres: 4.08

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4 | **3 of 3** | **NW** | **0.22 / 1,180.16** | **246.21 / -14** | **SOUTHERN STEEL**
431 DUNLAP
MEMPHIS TN | **VCP**

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Site ID: SRS791072
EPA Facility ID:
EPA Registry ID:
Status: CLOSED
Acres: 4.08
Program: VOLUNTARY
EFO: MEMPHIS
County: SHELBY
Latitude: 35.152251
Longitude: -90.031523

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5 | **1 of 1** | **ENE** | **0.23 / 1,219.08** | **259.77 / 0** | **McKenzie - Lane Auto Salvage**
433 North Waldran
Memphis TN
SWM COMPLAINT

Complaint ID: 46636
Facility ID: NRS790000198
Site ID: 7529
Permit No:
Investigated: FEB-27-2018
Status: NOV
Completed: MAR-20-2018
Received: FEB-02-2018
Site Owner: Donna Greer
Site Description: Auto Recycling
RCV Mon Year: FEB-2018
Calendar Days: 25
DIV: SWM
EFO: Memphis
County: Shelby
Other Counties:
Latitude:
Longitude:

Complaint

Complaint No: 46636
Assigned Date: FEB-23-2018
Date Received: FEB-02-2018
How Received: Phone
Concerning: Used Oil
Concering (Other):

Investigation

Status: NOV
Status Detail: Area where engines are pulled had some staining on the ground as well as a few puddles of antifreeze from incidental spillage. Once engines and transmissions are removed they are drained into an oil tank inside the building and used to power a used oil heater. Owner agreed to move the rack onto a concrete surface, remove the stained soil and institute procedures to minimize and contain spillage. An NOV will be sent.
NOV mailed 3/7/18
Responsible Party: Josh Smith-Lane Auto Parts
Resp Party Phone: 901-525-7278
Photos:
Date Investigated: FEB-27-2018
Date Completed: MAR-20-2018
Date Referred:
Referred to:
Last Updated: JUN-29-2018
Updated by: BG35162

Parent Site

Parent Site Name: McKenzie - Lane Auto Salvage
Site Location: 433 North Waldran
County: Shelby
EFO: Memphis
Latitude: 35.151498
Longitude: -90.022579

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6 | **1 of 1** | **NNE** | **0.23 / 1,236.05** | **261.77 / 2** | **Insulation And Refractories Service**
1041 Galloway
Memphis TN 38105
UST

Facility ID:	9790418	**Currently in Use:**	
Facility Status:	InActive	**Perm Out of Use:**	2
Facility Type:	Other or Unknown	**Temp Out of Service:**	
Tank Count:	2	**Abandoned:**	
Regulated:		**Facility County:**	
Facility Red Tagged:	No	**Owner ID:**	308246
Reason Red Tagged:	N	**Owner Name:**	Insulation And Refractories Svc
Region:		**Owner Type:**	Private

Tank Details

Tank ID:	45987	**Owner Type:**	Private
Tank No:	1	**Owner Status:**	InActive
Date Tank Installed:	7/13/1982	**Owner CIU Count:**	
Date Tank Closed:	3/26/1988	**Owner POU Count:**	4
Emergency Gen:		**Owner TOU Count:**	
Tank Mode of Constr:		**Owner Tank Count:**	4
Facility Count:	2		
How Tank Closed:			
Tank Material:	Steel		
Owner Name:	Insulation And Refractories Svc		

Compartment Details

Compart ID:	46701	**Piping Type:**	
Compart Status:	Permanently Out of Use	**Flex Piping Type:**	
Compart Overall Stat:	Inactive	**Pipe Install Dt:**	
Date Comprt Closed:		**Spill Device Install:**	Yes
Compart Letter:	A	**Pipe Construction:**	
Compart Regulated:		**Small Delivery:**	
Compt Capacity:	2000	**Owner Address1:**	1041 Galloway
Compt Substance:	Not Listed	**Owner Address2:**	
Comprt Rel Detec:	Tank LD Not Listed	**Owner City:**	Memphis
Date Last Used:	3/26/1988	**Owner State:**	TN
Overfill Device Install:	Yes	**Owner Zip:**	38105
Overfill Type:			
Pipe Material:	Steel		
Catasatrophic L L Detec:	None		
Periodic Line Leak Detection:	Pipe Leak Detection Not Listed		

Tank Details

Tank ID:	45988	**Owner Type:**	Private
Tank No:	2	**Owner Status:**	InActive
Date Tank Installed:	7/13/1982	**Owner CIU Count:**	
Date Tank Closed:	3/26/1988	**Owner POU Count:**	4
Emergency Gen:		**Owner TOU Count:**	
Tank Mode of Constr:		**Owner Tank Count:**	4
Facility Count:	2		
How Tank Closed:			
Tank Material:	Steel		
Owner Name:	Insulation And Refractories Svc		

Compartment Details

Compart ID:	46702	**Piping Type:**	
Compart Status:	Permanently Out of Use	**Flex Piping Type:**	
Compart Overall Stat:	Inactive	**Pipe Install Dt:**	
Date Comprt Closed:		**Spill Device Install:**	Yes
Compart Letter:	A	**Pipe Construction:**	
Compart Regulated:		**Small Delivery:**	
Compt Capacity:	2000	**Owner Address1:**	1041 Galloway
Compt Substance:	Not Listed	**Owner Address2:**	
Comprt Rel Detec:	Tank LD Not Listed	**Owner City:**	Memphis

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Date Last Used:	3/26/1988	**Owner State:**	TN
Overfill Device Install:	Yes	**Owner Zip:**	38105
Overfill Type:			
Pipe Material:	Steel		
Catasatrophic L L Detec:	None		
Periodic Line Leak Detection:	Pipe Leak Detection Not Listed		

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
7	1 of 1	SSW	0.24 / 1,255.22	244.46 / -16	Hardy's Service Station 955 Poplar Memphis TN 38105	UST

Facility ID:	9790387	**Currently in Use:**	
Facility Status:	InActive	**Perm Out of Use:**	4
Facility Type:	Gas Station or Truck Stop	**Temp Out of Service:**	
Tank Count:	4	**Abandoned:**	
Regulated:		**Facility County:**	
Facility Red Tagged:	No	**Owner ID:**	308164
Reason Red Tagged:	N	**Owner Name:**	Dr Justin H Adler
Region:		**Owner Type:**	Private

Tank Details

Tank ID:	45639	**Owner Type:**	Private
Tank No:	4	**Owner Status:**	InActive
Date Tank Installed:	5/7/1969	**Owner CIU Count:**	
Date Tank Closed:	7/1/1988	**Owner POU Count:**	4
Emergency Gen:		**Owner TOU Count:**	
Tank Mode of Constr:		**Owner Tank Count:**	4
Facility Count:	1		
How Tank Closed:	Removed from Ground		
Tank Material:	Steel		
Owner Name:	Dr Justin H Adler		

Compartment Details

Compart ID:	46353	**Piping Type:**	
Compart Status:	Permanently Out of Use	**Flex Piping Type:**	
Compart Overall Stat:	Inactive	**Pipe Install Dt:**	
Date Comprt Closed:		**Spill Device Install:**	Yes
Compart Letter:	A	**Pipe Construction:**	
Compart Regulated:		**Small Delivery:**	
Compt Capacity:	500	**Owner Address1:**	c/o 1203 Poplar
Compt Substance:	Waste or Used Oil	**Owner Address2:**	
Comprt Rel Detec:	Tank LD Not Listed	**Owner City:**	Memphis
Date Last Used:	7/1/1988	**Owner State:**	TN
Overfill Device Install:	Yes	**Owner Zip:**	38103
Overfill Type:			
Pipe Material:	Steel		
Catasatrophic L L Detec:	None		
Periodic Line Leak Detection:	Pipe Leak Detection Not Listed		

Tank Details

Tank ID:	45636	**Owner Type:**	Private
Tank No:	1	**Owner Status:**	InActive
Date Tank Installed:	5/7/1969	**Owner CIU Count:**	
Date Tank Closed:	7/1/1988	**Owner POU Count:**	4
Emergency Gen:		**Owner TOU Count:**	
Tank Mode of Constr:		**Owner Tank Count:**	4
Facility Count:	1		
How Tank Closed:	Removed from Ground		
Tank Material:	Steel		
Owner Name:	Dr Justin H Adler		

Compartment Details

Compart ID: 46350
Compart Status: Permanently Out of Use
Compart Overall Stat: Inactive
Date Comprt Closed:
Compart Letter: A
Compart Regulated:
Compt Capacity: 10000
Compt Substance: Gasoline
Comprt Rel Detec: Tank LD Not Listed
Date Last Used: 7/1/1988
Overfill Device Install: Yes
Overfill Type:
Pipe Material: Steel
Catasatrophic L L Detec: None
Periodic Line Leak Detection: Pipe Leak Detection Not Listed

Piping Type:
Flex Piping Type:
Pipe Install Dt:
Spill Device Install: Yes
Pipe Construction:
Small Delivery:
Owner Address1: c/o 1203 Poplar
Owner Address2:
Owner City: Memphis
Owner State: TN
Owner Zip: 38103

Tank Details

Tank ID: 45637
Tank No: 2
Date Tank Installed: 5/7/1969
Date Tank Closed: 7/1/1988
Emergency Gen:
Tank Mode of Constr:
Facility Count: 1
How Tank Closed: Removed from Ground
Tank Material: Steel
Owner Name: Dr Justin H Adler

Owner Type: Private
Owner Status: InActive
Owner CIU Count:
Owner POU Count: 4
Owner TOU Count:
Owner Tank Count: 4

Compartment Details

Compart ID: 46351
Compart Status: Permanently Out of Use
Compart Overall Stat: Inactive
Date Comprt Closed:
Compart Letter: A
Compart Regulated:
Compt Capacity: 10000
Compt Substance: Gasoline
Comprt Rel Detec: Tank LD Not Listed
Date Last Used: 7/1/1988
Overfill Device Install: Yes
Overfill Type:
Pipe Material: Steel
Catasatrophic L L Detec: None
Periodic Line Leak Detection: Pipe Leak Detection Not Listed

Piping Type:
Flex Piping Type:
Pipe Install Dt:
Spill Device Install: Yes
Pipe Construction:
Small Delivery:
Owner Address1: c/o 1203 Poplar
Owner Address2:
Owner City: Memphis
Owner State: TN
Owner Zip: 38103

Tank Details

Tank ID: 45638
Tank No: 3
Date Tank Installed: 5/7/1969
Date Tank Closed: 7/1/1988
Emergency Gen:
Tank Mode of Constr:
Facility Count: 1
How Tank Closed: Removed from Ground
Tank Material: Steel
Owner Name: Dr Justin H Adler

Owner Type: Private
Owner Status: InActive
Owner CIU Count:
Owner POU Count: 4
Owner TOU Count:
Owner Tank Count: 4

Compartment Details

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Compart ID:	46352	**Piping Type:**	
Compart Status:	Permanently Out of Use	**Flex Piping Type:**	
Compart Overall Stat:	Inactive	**Pipe Install Dt:**	
Date Comprt Closed:		**Spill Device Install:**	Yes
Compart Letter:	A	**Pipe Construction:**	
Compart Regulated:		**Small Delivery:**	
Compt Capacity:	6000	**Owner Address1:**	c/o 1203 Poplar
Compt Substance:	Gasoline	**Owner Address2:**	
Comprt Rel Detec:	Tank LD Not Listed	**Owner City:**	Memphis
Date Last Used:	7/1/1988	**Owner State:**	TN
Overfill Device Install:	Yes	**Owner Zip:**	38103
Overfill Type:			
Pipe Material:	Steel		
Catasatrophic L L Detec:	None		
Periodic Line Leak Detection:	Pipe Leak Detection Not Listed		

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
8	1 of 1	NE	0.24 / 1,266.53	257.92 / -2	Insulation And Refractories Services 1041 Galloway Avenue Memphis TN 38105	UST

Facility ID:	9790417	**Currently in Use:**	
Facility Status:	InActive	**Perm Out of Use:**	2
Facility Type:	Other or Unknown	**Temp Out of Service:**	
Tank Count:	2	**Abandoned:**	
Regulated:		**Facility County:**	
Facility Red Tagged:	No	**Owner ID:**	308246
Reason Red Tagged:	N	**Owner Name:**	Insulation And Refractories Svc
Region:		**Owner Type:**	Private

Tank Details

Tank ID:	45986	**Owner Type:**	Private
Tank No:	2	**Owner Status:**	InActive
Date Tank Installed:	1/1/1900	**Owner CIU Count:**	
Date Tank Closed:		**Owner POU Count:**	4
Emergency Gen:		**Owner TOU Count:**	
Tank Mode of Constr:		**Owner Tank Count:**	4
Facility Count:	2		
How Tank Closed:	unknown		
Tank Material:	Steel		
Owner Name:	Insulation And Refractories Svc		

Compartment Details

Compart ID:	46700	**Piping Type:**	
Compart Status:	Permanently Out of Use	**Flex Piping Type:**	
Compart Overall Stat:	Inactive	**Pipe Install Dt:**	
Date Comprt Closed:		**Spill Device Install:**	Yes
Compart Letter:	A	**Pipe Construction:**	
Compart Regulated:		**Small Delivery:**	
Compt Capacity:	999999	**Owner Address1:**	1041 Galloway
Compt Substance:	Not Listed	**Owner Address2:**	
Comprt Rel Detec:	Tank LD Not Listed	**Owner City:**	Memphis
Date Last Used:	12/15/1987	**Owner State:**	TN
Overfill Device Install:	Yes	**Owner Zip:**	38105
Overfill Type:			
Pipe Material:	Steel		
Catasatrophic L L Detec:	None		
Periodic Line Leak Detection:	Pipe Leak Detection Not Listed		

Tank Details

Tank ID:	45985	**Owner Type:**	Private
Tank No:	1	**Owner Status:**	InActive

Date Tank Installed:	1/1/1900	**Owner CIU Count:**	
Date Tank Closed:		**Owner POU Count:**	4
Emergency Gen:		**Owner TOU Count:**	
Tank Mode of Constr:		**Owner Tank Count:**	4
Facility Count:	2		
How Tank Closed:	unknown		
Tank Material:	Steel		
Owner Name:	Insulation And Refractories Svc		

Compartment Details

Compart ID:	46699	**Piping Type:**	
Compart Status:	Permanently Out of Use	**Flex Piping Type:**	
Compart Overall Stat:	Inactive	**Pipe Install Dt:**	
Date Comprt Closed:		**Spill Device Install:**	Yes
Compart Letter:	A	**Pipe Construction:**	
Compart Regulated:		**Small Delivery:**	
Compt Capacity:	999999	**Owner Address1:**	1041 Galloway
Compt Substance:	Not Listed	**Owner Address2:**	
Comprt Rel Detec:	Tank LD Not Listed	**Owner City:**	Memphis
Date Last Used:	12/15/1987	**Owner State:**	TN
Overfill Device Install:	Yes	**Owner Zip:**	38105
Overfill Type:			
Pipe Material:	Steel		
Catasatrophic L L Detec:	None		
Periodic Line Leak Detection:	Pipe Leak Detection Not Listed		

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
9	1 of 1	ENE	0.25 / 1,318.03	261.72 / 2	MITCHELL & SON INC 451 N WALDRAN MEMPHIS TN 38105	RCRA NON GEN

EPA Handler ID:	TND000005884
Gen Status Universe:	No Report
Contact Name:	MITCHELL & SON
Contact Address:	451 N WALDRAN , , MEMPHIS , TN, 38105 , US
Contact Phone No and Ext:	615-555-1212
Contact Email:	
Contact Country:	US
County Name:	SHELBY
EPA Region:	04
Land Type:	
Receive Date:	19801119
Location Latitude:	
Location Longitude:	

Violation/Evaluation Summary

Note:	NO RECORDS: As of Aug 2021, there are no Compliance Monitoring and Enforcement (violation) records associated with this facility (EPA ID).

Handler Summary

Importer Activity:	No
Mixed Waste Generator:	No
Transporter Activity:	No
Transfer Facility:	No
Onsite Burner Exemption:	No
Furnace Exemption:	No
Underground Injection Activity:	No
Commercial TSD:	No
Used Oil Transporter:	No
Used Oil Transfer Facility:	No
Used Oil Processor:	No
Used Oil Refiner:	No
Used Oil Burner:	No

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Used Oil Market Burner: No
Used Oil Spec Marketer: No

Hazardous Waste Handler Details

Sequence No: 1
Receive Date: 19801119
Handler Name: MITCHELL & SON INC
Source Type: Notification
Federal Waste Generator Code: N
Generator Code Description: Not a Generator, Verified

---

10 *1 of 2* *SSW* *0.26 / 1,353.57* *247.24 / -13* ***CHURCH'S FRIED CHICKEN***
925 POPLAR AVENUE
MEMPHIS TN ***SRP***

DOR Site ID: SRS790379
Status: CLOSED
EPA Facility ID:
EPA Registry ID:
Delisted:
Promulgated Date:
DOR EFO: MEMPHIS
Program: VOLUNTARY
County: SHELBY
Latitude: 35.144968
Longitude: -90.029459
Acres:

---

10 *2 of 2* *SSW* *0.26 / 1,353.57* *247.24 / -13* ***CHURCH'S FRIED CHICKEN***
925 POPLAR AVENUE
MEMPHIS TN ***VCP***

Site ID: SRS790379
EPA Facility ID:
EPA Registry ID:
Status: CLOSED
Acres:
Program: VOLUNTARY
EFO: MEMPHIS
County: SHELBY
Latitude: 35.144968
Longitude: -90.029459

---

11 *1 of 2* *SSW* *0.26 / 1,356.53* *248.41 / -12* ***DIXIE HOMES***
916 POPLAR AVENUE
MEMPHIS TN ***VCP***

Site ID: 79846
EPA Facility ID:
EPA Registry ID:
Status: OPEN
Acres: 8.45
Program: VOLUNTARY
EFO: MEMPHIS
County: SHELBY
Latitude: 35.147655
Longitude: -90.027905

---

11 *2 of 2* *SSW* *0.26 / 1,356.53* *248.41 / -12* ***DIXIE HOMES***
916 POPLAR AVENUE
MEMPHIS TN ***INST***

DOR Site ID: 79846
Site Status: OPEN
Total Site Acreage: 8.45
Tdec Field Office: MEMPHIS
County: SHELBY
Site Latitude: 35.147655
Site Longitude: -90.027905

Detail(s)

Date Control Recorded: NOV-03-2009
Date Control Removed:
Control Type: INSTITUTIONAL
Control Description: LAND USE RESTRICTION
Control Acreage: 2.11
Deed Book: 08115216
Map: 051017
Page No:

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Control Latitude: 35.147
Control Longitude: -90.028
Parcel: 2-7, 12

---

12 *1 of 2* **SW** *0.30 / 1,600.59* *256.81 / -3*

MEMPHIS MENTAL HEALTH INSTITUTE
865 POPLAR AVENUE
MEMPHIS TN

SRP

DOR Site ID: SRS791119
Status: CLOSED
EPA Facility ID:
EPA Registry ID:
Delisted:
Promulgated Date:
DOR EFO: MEMPHIS
Program: VOLUNTARY
County: SHELBY
Latitude: 35.144722
Longitude: -90.031389
Acres:

---

12 *2 of 2* **SW** *0.30 / 1,600.59* *256.81 / -3*

MEMPHIS MENTAL HEALTH INSTITUTE
865 POPLAR AVENUE
MEMPHIS TN

VCP

Site ID: SRS791119
EPA Facility ID:
EPA Registry ID:
Status: CLOSED
Acres:
Program: VOLUNTARY
EFO: MEMPHIS
County: SHELBY
Latitude: 35.144722
Longitude: -90.031389

---

13 *1 of 5* **WSW** *0.34 / 1,810.06* *264.77 / 5*

BP STATION #767
821 POPLAR AVE
MEMPHIS TN 38105

LUST TRUST

Facility ID: 9791083
Status: Closed
Case No: 1
Paid Requested: $1,144,109.35
Paid Payment: $991,983.57
Paid Net Pay: $1,011,983.58
Paid Deductible: $20,000.00
Paid Net Not Negotiable: $131,919.51
Applied Requested:
Applied Payment:
Applied Net Pay:
Applied Deductible:
Applied Not Negotiable:

---

13 *2 of 5* **WSW** *0.34 / 1,810.06* *264.77 / 5*

AMOCO STATION #767
821 POPLAR AVENUE
MEMPHIS TN 38105

LUST

Facility ID: 9791083
Site No: 1
Current Status: 8 Case Closed
Cause: 7 Unknown
CAC Company: CMD ASSOCIATES, INC.
Owner Name: BP Products North America
Case Description: SSS ON HOLD ECOVAC
Product Released:
Discovery Date: DEC-06-1991
How Discovered:
County: Shelby

---

13 *3 of 5* **WSW** *0.34 / 1,810.06* *264.77 / 5*

BP/AMOCO #18440
821 Poplar Avenue
Memphis TN 38105

LUST

Facility ID: 9791083
Product Released:

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Site No: 2
Current Status: 8 Case Closed
Cause:
CAC Company:
Owner Name: Georgia Commercial Stores, Inc.
Case Description: Suspected release
Discovery Date:
How Discovered: 2 Release Detection
County: Shelby

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
13	4 of 5	WSW	0.34 / 1,810.06	264.77 / 5	Poplar Avenue BP 821 Poplar Avenue Memphis TN 38105	LUST

Facility ID: 9791083
Site No: 3
Current Status: 1d Completed Line Closure
Cause:
CAC Company:
Owner Name:
Case Description:
Product Released:
Discovery Date:
How Discovered:
County: Shelby

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
13	5 of 5	WSW	0.34 / 1,810.06	264.77 / 5	Poplar Avenue BP 821 Poplar Avenue Memphis TN 38105	LUST

Facility ID: 9791083
Site No: 4
Current Status: 1a Completed Tank Closure
Cause:
CAC Company: SCS Environemtal Group, LLC
Owner Name:
Case Description: Tanks removal
Product Released:
Discovery Date:
How Discovered:
County: Shelby

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
14	1 of 7	WSW	0.38 / 2,014.14	268.18 / 8	EXTRA EXPRESS MARKET 777 POPLAR AVE MEMPHIS TN 38105	LUST TRUST

Facility ID: 9791539
Status: Closed
Case No: 3
Paid Requested: $367,296.85
Paid Payment: $347,486.84
Paid Net Pay: $365,079.24
Paid Deductible: $17,592.40
Paid Net Not Negotiable: $2,217.61
Applied Requested:
Applied Payment:
Applied Net Pay:
Applied Deductible:
Applied Not Negotiable:

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
14	2 of 7	WSW	0.38 / 2,014.14	268.18 / 8	7-ELEVEN #25559 777 POPLAR AVE MEMPHIS TN	LUST TRUST

Facility ID: 9791539
Status: Closed
Case No: 1
Paid Requested: $292,969.14
Paid Payment: $187,249.71
Paid Net Pay: $237,249.71
Paid Deductible: $50,000.00
Paid Net Not Negotiable: $55,719.43
Applied Requested:

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Applied Payment:
Applied Net Pay:
Applied Deductible:
Applied Not Negotiable:

---

14 | ***3 of 7*** | ***WSW*** | ***0.38 / 2,014.14*** | ***268.18 / 8*** | ***FLASH MARKET #72***
777 POPLAR AVENUE
MEMPHIS TN | ***LUST TRUST***

Facility ID:	9791539
Status:	Closed
Case No:	2
Paid Requested:	$202,521.40
Paid Payment:	$176,082.98
Paid Net Pay:	$196,082.94
Paid Deductible:	$20,000.00
Paid Net Not Negotiable:	$6,438.46
Applied Requested:	
Applied Payment:	
Applied Net Pay:	
Applied Deductible:	
Applied Not Negotiable:	

---

14 | ***4 of 7*** | ***WSW*** | ***0.38 / 2,014.14*** | ***268.18 / 8*** | ***FLASH OIL CO #72***
777 POPLAR AVE
MEMPHIS TN 38104 | ***LUST***

Facility ID:	9791539	***Product Released:***	
Site No:	1	***Discovery Date:***	AUG-10-1989
Current Status:	8 Case Closed	***How Discovered:***	7 Environmental Audit
Cause:	7 Unknown	***County:***	Shelby
CAC Company:	Groundwater Technology, Inc.		
Owner Name:	LOEB BROTHERS REALTY		
Case Description:	See case # 2 ACTIVE-FORMER 7-ELEVEN		

---

14 | ***5 of 7*** | ***WSW*** | ***0.38 / 2,014.14*** | ***268.18 / 8*** | ***FLASH OIL CO #72***
777 POPLAR AVE
MEMPHIS TN 38104 | ***LUST***

Facility ID:	9791539	***Product Released:***	
Site No:	2	***Discovery Date:***	MAY-30-1997
Current Status:	8 Case Closed	***How Discovered:***	3 On-site Impact
Cause:	5 Pipe Failure	***County:***	Shelby
CAC Company:			
Owner Name:	LOEB BROTHERS REALTY		
Case Description:	Former 7-eleven		

---

14 | ***6 of 7*** | ***WSW*** | ***0.38 / 2,014.14*** | ***268.18 / 8*** | ***FORMER EXTRA EXPRESS MART***
777 Poplar Avenue
Memphis TN 38104 | ***DELISTED LST***

Delisted Leaking Storage Tanks

Facility ID:	9791539	***County:***	Shelby
Applic No 1:		***Facility Owner:***	
Case No:		***Owner ID:***	
Site No:	4	***Owner Name:***	Flash Oil Company of Arkansas
Status:		***Owner Addr 1:***	

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Cause: -
Discovery Date: -
How Discovered:
Priority:
Product Released: -
Case Manager:
Section:
Paid Requested:
Pay Not Negotiable:
Paid Net Pay:
Paid Deductable:
Paid Payment:
Applied Requested:
App Not Negotiable:
Applied Net Pay:
Appl Deductable:
Applied Payment:
Case Description: -
Original Source: LUST
Record Date: 07-NOV-2017

Owner Addr 2:
Owner City:
Owner State:
Owner Zip:
Owner Phone:
Contact:
Contact Title:
Contact Addr 1:
Contact Addr 2:
Contact City:
Contact State:
Contact Zip:
Contact Phone:
Type:
Type CAC:
CAC Company: -
CAC Contact:

---

14 | **7 of 7** | **WSW** | **0.38 / 2,014.14** | **268.18 / 8** | **EXTRA SEVEN ELEVEN, INC.**
777 Poplar Avenue
Memphis TN 38104 | **LUST**

Facility ID: 9791539
Site No: 3
Current Status: 8 Case Closed
Cause:
CAC Company: SEMS, Inc.
Owner Name:
Case Description: dispenser replacement

Product Released: Gasoline
Discovery Date: MAY-04-2011
How Discovered: 8 Other
County: Shelby

---

15 | **1 of 4** | **WSW** | **0.41 / 2,161.07** | **269.36 / 9** | **AUTO-CHLOR, INC.**
746 POPLAR AVENUE
MEMPHIS TN | **SRP**

DOR Site ID: SRS791083
Status: CLOSED
EPA Facility ID: TNR000025551
EPA Registry ID: 110033623238
Delisted:
Promulgated Date:

DOR EFO: MEMPHIS
Program: VOLUNTARY
County: SHELBY
Latitude: 35.146514
Longitude: -90.03565
Acres: 4.23

---

15 | **2 of 4** | **WSW** | **0.41 / 2,161.07** | **269.36 / 9** | **AUTO CLOR SYSTEM**
746 POPLAR AVE
MEMPHIS TN 38105 | **LUST**

Facility ID: 9790057
Site No: 1
Current Status: 1a Completed Tank Closure
Cause:
CAC Company:
Owner Name: AUTO CHLOR SYSTEM
Case Description: closed

Product Released:
Discovery Date:
How Discovered:
County: Shelby

---

15 | **3 of 4** | **WSW** | **0.41 / 2,161.07** | **269.36 / 9** | **AUTO-CHLOR**
746 POPLAR AVENUE
MEMPHIS TN | **VCP**

Site ID: 79774
EPA Facility ID: TNR000025551
EPA Registry ID: 110033623238

Program: VOLUNTARY
EFO: CENTRAL OFFICE
County: SHELBY

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Status: CLOSED
Acres: 4.23
Latitude: 35.146514
Longitude: -90.03565

---

15 | **4 of 4** | **WSW** | **0.41 / 2,161.07** | **269.36 / 9** | **AUTO-CHLOR, INC.**
746 POPLAR AVENUE
MEMPHIS TN | **VCP**

Site ID: SRS791083
EPA Facility ID: TNR000025551
EPA Registry ID: 110033623238
Status: CLOSED
Acres: 4.23
Program: VOLUNTARY
EFO: MEMPHIS
County: SHELBY
Latitude: 35.146514
Longitude: -90.03565

---

16 | **1 of 2** | **SSE** | **0.42 / 2,226.92** | **265.51 / 6** | **VA MEDICAL CENTER**
1030 JEFFERSON AVENUE
Memphis TN 38104 | **LUST**

Facility ID: 790807
Site No: 1
Current Status: 1a Completed Tank Closure
Cause:
CAC Company:
Owner Name: VA MEDICAL CENTER
Case Description:
Product Released:
Discovery Date:
How Discovered:
County: Shelby

---

16 | **2 of 2** | **SSE** | **0.42 / 2,226.92** | **265.51 / 6** | **VA MEDICAL CENTER**
1030 JEFFERSON AVENUE
MEMPHIS TN 38104 | **SEMS**

EPA ID: TNN000410932
Date SEMS List: 20-OCT-2021
FIPS Code:
Cong District:
County: SHELBY
Latitude:
Longitude:
Region:
PGM Sys ID(MAP): TNN000410932
Primary Name(MAP): MEMPHIS VA MEDICAL CENTER
Loc Address(MAP): 1030 JEFFERSON AVE
City Name(MAP): MEMPHIS
State Code(MAP): TN
Postal Code(MAP): 38104
County Name(MAP): SHELBY
Latitude83(MAP): 35.14246
Longitude83(MAP): -90.0254

Site Level Information

Site ID: 0410932
NPL: Not on the NPL
Federal Facility: Yes
FF Docket: Yes
Non NPL Status: Fed Fac Preliminary Assessment Review Start Needed
Superfund Alt Agmt: No
FIPS Code: 47157
Cong District:
Region: 04

Action Information

Operable Units: 00
Action Code: DS
Action Name: DISCVRY
SEQ: 1
Start Actual: 01/31/2013
Finish Actual: 01/31/2013
Qual:
Curr Action Lead: EPA Perf In-Hse

REST Information

Registry ID: 110009445948
Active Status: NOT ON THE NPL
Key Field: SEMSTNN000410932
Interest Type: SUPERFUND (NON-NPL)
Pgm Sys Acrnm: SEMS
Accuracy Value: 30
HUC8 Code: 08010210
HUC 12:

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Fed Agency Name: | **Federal Land Ind:**
Fed Facility Code: Y | **Public Ind:** Y
EPA Region Code: 04 | **Pgm Report:** no data yet
Collect Mth Desc: ADDRESS MATCHING-HOUSE NUMBER
Ref Point Desc: CENTER OF A FACILITY OR STATION
Fac Url: https://ofmpub.epa.gov/frs_public2/fii_query_detail.disp_program_facility?p_registry_id=110009445948
Program Url:
Pgm Report Url: no data yet
Fips Code: 47157

17	1 of 1	NNE	0.43 / 2,287.39	257.76 / -2	AIR MASK SERVICE UNIT 1010 FOXON MEMPHIS TN 38105	LUST

Facility ID: 9791109 | **Product Released:**
Site No: 1 | **Discovery Date:**
Current Status: 1a Completed Tank Closure | **How Discovered:**
Cause: | **County:** Shelby
CAC Company:
Owner Name: CITY OF MEMPHIS/PROP
Case Description:

18	1 of 1	SW	0.46 / 2,447.94	276.19 / 16	Le Bonhuer Faculty Office Building 824 Adams St. Memphis TN	LUST

Facility ID: 9799039 | **Product Released:**
Site No: 1 | **Discovery Date:**
Current Status: 1a Completed Tank Closure | **How Discovered:** 7 Environmental Audit
Cause: | **County:** Shelby
CAC Company:
Owner Name:
Case Description: Case Closed

19	1 of 1	NW	0.48 / 2,515.10	240.09 / -20	FORMER SCOTT UNION 76 749 NORTH PARKWAY MEMPHIS TN 38105	LUST TRUST

Facility ID: 9790606
Status: Denied
Case No: 1
Paid Requested:
Paid Payment:
Paid Net Pay:
Paid Deductible:
Paid Net Not Negotiable:
Applied Requested:
Applied Payment:
Applied Net Pay:
Applied Deductible:
Applied Not Negotiable:

20	1 of 1	SW	0.50 / 2,632.59	268.34 / 8	THE MED ADAM'S BUILDING 842 JEFFERSON AVENUE Memphis TN 38103	LUST

Facility ID: 9792354 | **Product Released:**
Site No: 1 | **Discovery Date:** NOV-01-1999
Current Status: 8 Case Closed | **How Discovered:** 1 At Closure
Cause: 8 Other | **County:** Shelby
CAC Company:
Owner Name: REGIONAL MEDICAL CENTER MEMPHIS

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Case Description: Tank Closure

---

21 | *1 of 1* | *NW* | *0.50 / 2,633.29* | *242.86 / -17* | *GOODYEAR ASC (CLOSED)*
726 N PARKWAY
MEMPHIS TN 38105 | *LUST*

Facility ID: 9790366
Site No: 1
Current Status: 8 Case Closed
Cause:
CAC Company:
Owner Name: GOODYEAR TIRE & RUBB
Case Description:
Product Released:
Discovery Date: NOV-27-1995
How Discovered:
County: Shelby

---

22 | *1 of 2* | *WNW* | *0.50 / 2,635.80* | *233.35 / -27* | *VEHICLE SERVICE CENTER*
671 ST JUDE PLACE
MEMPHIS TN 38105 | *LUST TRUST*

Facility ID: 9791203
Status: Closed
Case No: 1
Paid Requested: $64,649.17
Paid Payment: $43,347.12
Paid Net Pay: $61,347.12
Paid Deductible: $18,000.00
Paid Net Not Negotiable: $3,302.05
Applied Requested:
Applied Payment:
Applied Net Pay:
Applied Deductible:
Applied Not Negotiable:

---

22 | *2 of 2* | *WNW* | *0.50 / 2,635.80* | *233.35 / -27* | *GS VEHICLE MAINTENANCE*
671 St. Jude Place
Memphis TN 38105 | *LUST*

Facility ID: 9791203
Site No: 1
Current Status: 8 Case Closed
Cause: 7 Unknown
CAC Company: SCS Environmental Group, LLC
Owner Name: CITY OF MEMPHIS/Div of Gen Services
Case Description:
Product Released:
Discovery Date: DEC-23-2005
How Discovered: 7 Environmental Audit
County: Shelby

Unplottable Summary

Total: 7 Unplottable sites

DB	Company Name/Site Name	Address	City	Zip	ERIS ID
CERCLIS	WEAKLEY SUBDIVISION	NORTH END OF DECATUR ST ***Site EPA ID:*** TND980838585	MEMPHIS TN	38107	805435076
LUST TRUST	EXXON #5-4230	AIRLINE RD & I-40 EAST ***Facility ID	Status:*** 9791301 | Closed	MEMPHIS TN		818986653
RCRA NON GEN	PARAGON DENTAL LABORATORY, INC.	ETHYLE ALCHOL 30 35 ETHYLN GLY ***EPA Handler ID:*** TND052108057	MEMPHIS TN	38116	810458349
REMEDIATION	EPIC SITE-17 WEAKLEY SUB.	DECATUR ST	MEMPHIS TN		874036972
SPILLS		I-40 E @ Front St. Bridge Shelby Co. ***Incident NO	Date Closed:*** 200700-3459 | 28-Jun-07	Memphis TN		818995059
SPILLS		I-40 E MM 26 APX ***Incident NO	Date Closed:*** 200400-1991 |	TN		818997877
SPILLS		I-40 west mm 6 ***Incident NO	Date Closed:*** IR2014-5955 | 07-Jan-14	MEMPHIS TN		818996635

Unplottable Report

Site: ***WEAKLEY SUBDIVISION***
NORTH END OF DECATUR ST MEMPHIS TN 38107

CERCLIS

Site ID:	0404016	***RNPL Status Code:***	N
Site EPA ID:	TND980838585	***NPL Status:***	Not on the NPL
Site Street Address 2:		***RFED Facility Code:***	N
Site County Name:	SHELBY	***RFED Facility Desc:***	Not a Federal Facility
Site FIPS Code:	47157	***USGS Hydro Unit No.:***	08010210
Region Code:	04	***Site Cong. Dist. Code:***	09
Site SMSA No.:	4920	***ROT Desc:***	Other
Site Prim. Latitude:	35D08M23S	***FR NPL Update No.:***	
Site Prim. Longitude:	090D01M27S	***RFRA Code:***	
Lat Long Source:			

RNON NPL Status Desc: NFRAP-Site does not qualify for the NPL based on existing information

CERCLIS Assess History

OU ID:	00	***RALT Short Name:***	State (Fund)
Act Code ID:	001	***Act Start Date:***	
RAT Code:	PA	***Act Complete Date:***	8/27/1986 00:00:00
RAT Short Name:	PA	***AGT Order No.:***	130
RAT Name:	PRELIMINARY ASSESSMENT	***SH OU:***	
RAT Hist. Only Flag:		***SH Code:***	
RAT NSI Indicator:	B	***SH Seq:***	
RAT Level:	1	***SH Start Date:***	
RAT DEF OU:	00	***SH Complete Date:***	
RFBS Code:	P	***SH Lead:***	
SPA Code:	13		

RAT Def: Collection of diverse existing information about the source and nature of the site hazard. It is EPA policy to complete the preliminary assessment within one year of site discovery.

Site Desc:
Site Alias:

CERCLIS Assess History

OU ID:	00	***RALT Short Name:***	EPA Fund
Act Code ID:	001	***Act Start Date:***	
RAT Code:	DS	***Act Complete Date:***	12/1/1979 00:00:00
RAT Short Name:	DISCVRY	***AGT Order No.:***	10
RAT Name:	DISCOVERY	***SH OU:***	
RAT Hist. Only Flag:		***SH Code:***	
RAT NSI Indicator:	B	***SH Seq:***	
RAT Level:	1	***SH Start Date:***	
RAT DEF OU:	00	***SH Complete Date:***	
RFBS Code:		***SH Lead:***	
SPA Code:	13		

RAT Def: The process by which a potential hazardous waste site is brought to the attention of the EPA. The process can occur through the use of several mechanisms such as a phone call or referral by another government agency.

Site Desc:
Site Alias:

CERCLIS Assess History

OU ID:	00	***RALT Short Name:***	EPA In-House
Act Code ID:	001	***Act Start Date:***	
RAT Code:	VS	***Act Complete Date:***	8/27/1986 00:00:00
RAT Short Name:	ARCH SITE	***AGT Order No.:***	1500
RAT Name:	ARCHIVE SITE	***SH OU:***	
RAT Hist. Only Flag:		***SH Code:***	

RAT NSI Indicator:	B	***SH Seq:***	
RAT Level:	1	***SH Start Date:***	
RAT DEF OU:	00	***SH Complete Date:***	
RFBS Code:		***SH Lead:***	
SPA Code:	13		
RAT Def:	The decision is made that no further activity is planned at the site.		
Site Desc:			
Site Alias:			

CERCLIS Assess History

OU ID:	00	***RALT Short Name:***	
Act Code ID:		***Act Start Date:***	
RAT Code:		***Act Complete Date:***	
RAT Short Name:		***AGT Order No.:***	0
RAT Name:		***SH OU:***	
RAT Hist. Only Flag:		***SH Code:***	
RAT NSI Indicator:		***SH Seq:***	
RAT Level:		***SH Start Date:***	
RAT DEF OU:		***SH Complete Date:***	
RFBS Code:		***SH Lead:***	
SPA Code:			
RAT Def:			
Site Desc:	No description available .		
Site Alias:	WEAKLEY SUBDIVISION,,SHELBY,TN,;		

Site: ***EXXON #5-4230***
AIRLINE RD & I-40 EAST MEMPHIS TN

LUST TRUST

Facility ID:	9791301
Status:	Closed
Case No:	1
Paid Requested:	$289,705.30
Paid Payment:	$215,292.08
Paid Net Pay:	$290,292.08
Paid Deductible:	$75,000.00
Paid Net Not Negotiable:	-$586.78
Applied Requested:	
Applied Payment:	
Applied Net Pay:	
Applied Deductible:	
Applied Not Negotiable:	

Site: ***PARAGON DENTAL LABORATORY, INC.***
ETHYLE ALCHOL 30 35 ETHYLN GLY MEMPHIS TN 38116

RCRA NON GEN

EPA Handler ID:	TND052108057
Gen Status Universe:	No Report
Contact Name:	PARAGON DENTAL
Contact Address:	ETHYLE ALCHOL 30 35 ETHYLN GLY , , MEMPHIS , TN, 38116 , US
Contact Phone No and Ext:	615-555-1212
Contact Email:	
Contact Country:	US
County Name:	SHELBY
EPA Region:	04
Land Type:	
Receive Date:	19801119
Location Latitude:	
Location Longitude:	

Violation/Evaluation Summary

Note: NO RECORDS: As of Aug 2021, there are no Compliance Monitoring and Enforcement (violation) records associated with this facility (EPA ID).

Handler Summary

Importer Activity:	No
Mixed Waste Generator:	No
Transporter Activity:	No
Transfer Facility:	No
Onsite Burner Exemption:	No
Furnace Exemption:	No
Underground Injection Activity:	No
Commercial TSD:	No
Used Oil Transporter:	No
Used Oil Transfer Facility:	No
Used Oil Processor:	No
Used Oil Refiner:	No
Used Oil Burner:	No
Used Oil Market Burner:	No
Used Oil Spec Marketer:	No

Hazardous Waste Handler Details

Sequence No:	1
Receive Date:	19801119
Handler Name:	PARAGON DENTAL LABORATORY, INC.
Source Type:	Notification
Federal Waste Generator Code:	N
Generator Code Description:	Not a Generator, Verified

Site: ***EPIC SITE-17 WEAKLEY SUB.***
DECATUR ST MEMPHIS TN

REMEDIATION

DOR Site ID:	79748	***DOR EFO:***	MEMPHIS
Status:	CLOSED	***Program:***	LIABLE PARTY FUNDED
EPA Facility ID:	TND980838585	***County:***	SHELBY
EPA Registry ID:		***Latitude:***	
Delisted:		***Longitude:***	
Promulgated Date:		***Acres:***	

Site:
I-40 E @ Front St. Bridge Shelby Co. Memphis TN

SPILLS

Incident NO:	200700-3459
Incident Type:	Spill
Date Received:	28-Jun-07
Time Received:	00-Jan-00
Incident Date:	26-Jun-07
Incident County:	SHELBY
Incident Mile Marker:	
Incid Highway Name:	
Incident Short Desc:	TRACTOR TRAILER WRECK / INCIDENT
Affected Area Type:	Road Surface
Carrier Type:	
Carrier Name:	
Responsible Party:	Ann Copeland-Owner Operator
Res Party Phone:	
Material Released:	Diesel
Estimated Amount:	10 to 100 Gallons
Date Closed:	28-Jun-07
Condition Of Closure:	No Further Action
Closed By:	Jason Simpson
Damages:	FALSE
Fire:	FALSE
Explosion:	FALSE
Evacuation:	FALSE
Exposure:	FALSE
Fish kill:	FALSE
Drinking Water Impacted:	FALSE
ER Guide:	

Specific Chemical ID NO:
Incident Notes:

Site:
I-40 E MM 26 APX TN

SPILLS

Incident NO:	200400-1991
Incident Type:	Spill
Date Received:	29-Jul-04
Time Received:	00-Jan-00
Incident Date:	29-Jul-04
Incident County:	Shelby
Incident Mile Marker:	
Incid Highway Name:	
Incident Short Desc:	TRACTOR TRAILER WRECK / INCIDENT
Affected Area Type:	Soil
Carrier Type:	
Carrier Name:	
Responsible Party:	Kirk National Lease
Res Party Phone:	
Material Released:	Diesel
Estimated Amount:	100 to 250 Gallons
Date Closed:	
Condition Of Closure:	
Closed By:	
Damages:	FALSE
Fire:	FALSE
Explosion:	FALSE
Evacuation:	FALSE
Exposure:	FALSE
Fish kill:	FALSE
Drinking Water Impacted:	FALSE
ER Guide:	
Specific Chemical ID NO:	
Incident Notes:	

Site:
I-40 west mm 6 MEMPHIS TN

SPILLS

Incident NO:	IR2014-5955
Incident Type:	SPILL
Date Received:	07-Jan-14
Time Received:	00-Jan-00
Incident Date:	01-Jan-14
Incident County:	SHELBY
Incident Mile Marker:	
Incid Highway Name:	
Incident Short Desc:	TRACTOR TRAILER WRECK / INCIDENT
Affected Area Type:	ROAD SURFACE
Carrier Type:	
Carrier Name:	
Responsible Party:	Empire Express
Res Party Phone:	901-830-4571
Material Released:	Diesel
Estimated Amount:	10 to 100 Gallons
Date Closed:	07-Jan-14
Condition Of Closure:	NFA
Closed By:	Jason Simpson
Damages:	FALSE
Fire:	FALSE
Explosion:	FALSE
Evacuation:	FALSE
Exposure:	FALSE
Fish kill:	FALSE
Drinking Water Impacted:	FALSE
ER Guide:	128
Specific Chemical ID NO:	IRT-1086

Incident Notes:

Appendix: Database Descriptions

Environmental Risk Information Services (ERIS) can search the following databases. The extent of historical information varies with each database and current information is determined by what is publicly available to ERIS at the time of update. ERIS updates databases as set out in ASTM Standard E1527-13, Section 8.1.8 Sources of Standard Source Information:

"Government information from nongovernmental sources may be considered current if the source updates the information at least every 90 days, or, for information that is updated less frequently than quarterly by the government agency, within 90 days of the date the government agency makes the information available to the public."

Standard Environmental Record Sources

Federal

Formerly Utilized Sites Remedial Action Program: DOE FUSRAP

The U.S. Department of Energy (DOE) established the Formerly Utilized Sites Remedial Action Program (FUSRAP) in 1974 to remediate sites where radioactive contamination remained from the Manhattan Project and early U.S. Atomic Energy Commission (AEC) operations. The DOE Office of Legacy Management (LM) established long-term surveillance and maintenance (LTS&M) requirements for remediated FUSRAP sites. DOE evaluates the final site conditions of a remediated site on the basis of risk for different future uses. DOE then confirms that LTS&M requirements will maintain protectiveness.

Government Publication Date: Mar 4, 2017

National Priority List: NPL

National Priorities List (Superfund)-NPL: EPA's (United States Environmental Protection Agency) list of the most serious uncontrolled or abandoned hazardous waste sites identified for possible long-term remedial action under the Superfund program. The NPL, which EPA is required to update at least once a year, is based primarily on the score a site receives from EPA's Hazard Ranking System. A site must be on the NPL to receive money from the Superfund Trust Fund for remedial action.

Government Publication Date: Oct 20, 2021

National Priority List - Proposed: PROPOSED NPL

Includes sites proposed (by the EPA, the state, or concerned citizens) for addition to the NPL due to contamination by hazardous waste and identified by the Environmental Protection Agency (EPA) as a candidate for cleanup because it poses a risk to human health and/or the environment.

Government Publication Date: Oct 20, 2021

Deleted NPL: DELETED NPL

The National Oil and Hazardous Substances Pollution Contingency Plan (NCP) establishes the criteria that the EPA uses to delete sites from the NPL. In accordance with 40 CFR 300.425.(e), sites may be deleted from the NPL where no further response is appropriate.

Government Publication Date: Oct 20, 2021

SEMS List 8R Active Site Inventory: SEMS

The Superfund Program has deployed the Superfund Enterprise Management System (SEMS), which integrates multiple legacy systems into a comprehensive tracking and reporting tool. This inventory contains active sites evaluated by the Superfund program that are either proposed to be or are on the National Priorities List (NPL) as well as sites that are in the screening and assessment phase for possible inclusion on the NPL. The Active Site Inventory Report displays site and location information at active SEMS sites. An active site is one at which site assessment, removal, remedial, enforcement, cost recovery, or oversight activities are being planned or conducted.

Government Publication Date: Oct 20, 2021

Inventory of Open Dumps, June 1985: ODI

The Resource Conservation and Recovery Act (RCRA) provides for publication of an inventory of open dumps. The Act defines "open dumps" as facilities which do not comply with EPA's "Criteria for Classification of Solid Waste Disposal Facilities and Practices" (40 CFR 257).

Government Publication Date: Jun 1985

SEMS List 8R Archive Sites: SEMS ARCHIVE

The Superfund Enterprise Management System (SEMS) Archived Site Inventory displays site and location information at sites archived from SEMS. An archived site is one at which EPA has determined that assessment has been completed and no further remedial action is planned under the Superfund program at this time.

Government Publication Date: Oct 20, 2021

Comprehensive Environmental Response, Compensation and Liability Information System - CERCLIS: CERCLIS

Superfund is a program administered by the United States Environmental Protection Agency (EPA) to locate, investigate, and clean up the worst hazardous waste sites throughout the United States. CERCLIS is a database of potential and confirmed hazardous waste sites at which the EPA Superfund program has some involvement. It contains sites that are either proposed to be or are on the National Priorities List (NPL) as well as sites that are in the screening and assessment phase for possible inclusion on the NPL. The EPA administers the Superfund program in cooperation with individual states and tribal governments; this database is made available by the EPA.

Government Publication Date: Oct 25, 2013

EPA Report on the Status of Open Dumps on Indian Lands: IODI

Public Law 103-399, The Indian Lands Open Dump Cleanup Act of 1994, enacted October 22, 1994, identified congressional concerns that solid waste open dump sites located on American Indian or Alaska Native (AI/AN) lands threaten the health and safety of residents of those lands and contiguous areas. The purpose of the Act is to identify the location of open dumps on Indian lands, assess the relative health and environment hazards posed by those sites, and provide financial and technical assistance to Indian tribal governments to close such dumps in compliance with Federal standards and regulations or standards promulgated by Indian Tribal governments or Alaska Native entities.

Government Publication Date: Dec 31, 1998

CERCLIS - No Further Remedial Action Planned: CERCLIS NFRAP

An archived site is one at which EPA has determined that assessment has been completed and no further remedial action is planned under the Superfund program at this time. The Archive designation means that, to the best of EPA's knowledge, assessment at a site has been completed and that EPA has determined no further steps will be taken to list this site on the National Priorities List (NPL). This decision does not necessarily mean that there is no hazard associated with a given site; it only means that, based upon available information, the location is not judged to be a potential NPL site.

Government Publication Date: Oct 25, 2013

CERCLIS Liens: CERCLIS LIENS

A Federal Superfund lien exists at any property where EPA has incurred Superfund costs to address contamination ("Superfund site") and has provided notice of liability to the property owner. A Federal CERCLA ("Superfund") lien can exist by operation of law at any site or property at which EPA has spent Superfund monies. This database is made available by the United States Environmental Protection Agency (EPA).

Government Publication Date: Jan 30, 2014

RCRA CORRACTS-Corrective Action: RCRA CORRACTS

RCRA Info is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. At these sites, the Corrective Action Program ensures that cleanups occur. EPA and state regulators work with facilities and communities to design remedies based on the contamination, geology, and anticipated use unique to each site.

Government Publication Date: Aug 30, 2021

RCRA non-CORRACTS TSD Facilities: RCRA TSD

RCRA Info is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. This database includes Non-Corrective Action sites listed as treatment, storage and/or disposal facilities of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA).

Government Publication Date: Aug 30, 2021

RCRA Generator List: RCRA LQG

RCRA Info is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. RCRA Info replaces the data recording and reporting abilities of the Resource Conservation and Recovery Information System (RCRIS) and the Biennial Reporting System (BRS). A hazardous waste generator is any person or site whose processes and actions create hazardous waste (see 40 CFR 260.10). Large Quantity Generators (LQGs) generate 1,000 kilograms per month or more of hazardous waste or more than one kilogram per month of acutely hazardous waste.

Government Publication Date: Aug 30, 2021

RCRA Small Quantity Generators List: RCRA SQG

RCRA Info is the EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. RCRA Info replaces the data recording and reporting abilities of the Resource Conservation and Recovery Information System (RCRIS) and the Biennial Reporting System (BRS). A hazardous waste generator is any person or site whose processes and actions create hazardous waste (see 40 CFR 260.10). Small Quantity Generators (SQGs) generate more than 100 kilograms, but less than 1,000 kilograms, of hazardous waste per month.

Government Publication Date: Aug 30, 2021

RCRA Very Small Quantity Generators List: RCRA VSQG

RCRA Info is the EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. A hazardous waste generator is any person or site whose processes and actions create hazardous waste (see 40 CFR 260.10). Very Small Quantity Generators (VSQG) generate 100 kilograms or less per month of hazardous waste, or one kilogram or less per month of acutely hazardous waste. Additionally, VSQG may not accumulate more than 1,000 kilograms of hazardous waste at any time.

Government Publication Date: Aug 30, 2021

RCRA Non-Generators: RCRA NON GEN

RCRA Info is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. RCRA Info replaces the data recording and reporting abilities of the Resource Conservation and Recovery Information System (RCRIS) and the Biennial Reporting System (BRS). A hazardous waste generator is any person or site whose processes and actions create hazardous waste (see 40 CFR 260.10). Non-Generators do not presently generate hazardous waste.

Government Publication Date: Aug 30, 2021

Federal Engineering Controls-ECs: FED ENG

Engineering controls (ECs) encompass a variety of engineered and constructed physical barriers (e.g., soil capping, sub-surface venting systems, mitigation barriers, fences) to contain and/or prevent exposure to contamination on a property. This database is made available by the United States Environmental Protection Agency (EPA).

Government Publication Date: Feb 23, 2021

Federal Institutional Controls- ICs: FED INST

Institutional controls are non-engineered instruments, such as administrative and legal controls, that help minimize the potential for human exposure to contamination and/or protect the integrity of the remedy. Although it is EPA's (United States Environmental Protection Agency) expectation that treatment or engineering controls will be used to address principal threat wastes and that groundwater will be returned to its beneficial use whenever practicable, ICs play an important role in site remedies because they reduce exposure to contamination by limiting land or resource use and guide human behavior at a site.

Government Publication Date: Feb 23, 2021

Land Use Control Information System: LUCIS

The LUCIS database is maintained by the U.S. Department of the Navy and contains information for former Base Realignment and Closure (BRAC) properties across the United States.

Government Publication Date: Sep 1, 2006

Emergency Response Notification System: ERNS 1982 TO 1986

Database of oil and hazardous substances spill reports controlled by the National Response Center. The primary function of the National Response Center is to serve as the sole national point of contact for reporting oil, chemical, radiological, biological, and etiological discharges into the environment anywhere in the United States and its territories.

Government Publication Date: 1982-1986

Emergency Response Notification System: ERNS 1987 TO 1989

Database of oil and hazardous substances spill reports controlled by the National Response Center. The primary function of the National Response Center is to serve as the sole national point of contact for reporting oil, chemical, radiological, biological, and etiological discharges into the environment anywhere in the United States and its territories.

Government Publication Date: 1987-1989

Emergency Response Notification System: ERNS

Database of oil and hazardous substances spill reports made available by the United States Coast Guard National Response Center (NRC). The NRC fields initial reports for pollution and railroad incidents and forwards that information to appropriate federal/state agencies for response. These data contain initial incident data that has not been validated or investigated by a federal/state response agency.

Government Publication Date: Jul 26, 2021

The Assessment, Cleanup and Redevelopment Exchange System (ACRES) Brownfield Database: FED BROWNFIELDS

Brownfields are real property, the expansion, redevelopment, or reuse of which may be complicated by the presence or potential presence of a hazardous substance, pollutant, or contaminant. Cleaning up and reinvesting in these properties protects the environment, reduces blight, and takes development pressures off greenspaces and working lands. This database is made available by the United States Environmental Protection Agency (EPA).

Government Publication Date: Aug 20, 2021

FEMA Underground Storage Tank Listing: FEMA UST

The Federal Emergency Management Agency (FEMA) of the Department of Homeland Security maintains a list of FEMA owned underground storage tanks.

Government Publication Date: Dec 31, 2017

Facility Response Plan: FRP

List of facilities that have submitted Facility Response Plans (FRP) to EPA. Facilities that could reasonably be expected to cause "substantial harm" to the environment by discharging oil into or on navigable waters are required to prepare and submit Facility Response Plans (FRPs). Harm is determined based on total oil storage capacity, secondary containment and age of tanks, oil transfer activities, history of discharges, proximity to a public drinking water intake or sensitive environments.

Government Publication Date: Dec 2, 2020

Historical Gas Stations: HIST GAS STATIONS

This historic directory of service stations is provided by the Cities Service Company. The directory includes Cities Service filling stations that were located throughout the United States in 1930.

Government Publication Date: Jul 1, 1930

Petroleum Refineries: REFN

List of petroleum refineries from the U.S. Energy Information Administration (EIA) Refinery Capacity Report. Includes operating and idle petroleum refineries (including new refineries under construction) and refineries shut down during the previous year located in the 50 States, the District of Columbia, Puerto Rico, the Virgin Islands, Guam, and other U.S. possessions. Survey locations adjusted using public data.

Government Publication Date: Jul 10, 2020

Petroleum Product and Crude Oil Rail Terminals: BULK TERMINAL

List of petroleum product and crude oil rail terminals made available by the U.S. Energy Information Administration (EIA). Includes operable bulk petroleum product terminals located in the 50 States and the District of Columbia with a total bulk shell storage capacity of 50,000 barrels or more, and/or the ability to receive volumes from tanker, barge, or pipeline; also rail terminals handling the loading and unloading of crude oil that were active between 2017 and 2018. Petroleum product terminals comes from the EIA-815 Bulk Terminal and Blender Report, which includes working, shell in operation, and shell idle for several major product groupings. Survey locations adjusted using public data.

Government Publication Date: Apr 28, 2020

LIEN on Property: SEMS LIEN

The EPA Superfund Enterprise Management System (SEMS) provides LIEN information on properties under the EPA Superfund Program.

Government Publication Date: Oct 20, 2021

Superfund Decision Documents: SUPERFUND ROD

This database contains a listing of decision documents for Superfund sites. Decision documents serve to provide the reasoning for the choice of (or) changes to a Superfund Site cleanup plan. The decision documents include Records of Decision (ROD), ROD Amendments, Explanations of Significant Differences (ESD), along with other associated memos and files. This information is maintained and made available by the US EPA (Environmental Protection Agency).

Government Publication Date: Jun 28, 2021

State

Promulgated Sites: SHWS

The Promulgated List made available by Tennessee's Department of Environment and Conservation (TDEC) is a List of Inactive Hazardous Substance Sites. 'Inactive hazardous substance sites that constitute an imminent, substantial danger' is an inactive hazardous substance site where there is a threat of danger to the public health, safety, or environment which is both real and presently existing. This database is state equivalent NPL.

Government Publication Date: Oct 29, 2021

Delisted State Hazardous Waste Sites: DEL SHWS

This database contains a list of sites which have removed from The Promulgated Sites Listing maintained by Tennessee's Department of Environment and Conservation (TDEC).

Government Publication Date: Oct 29, 2021

Solid Waste Disposal Facilities and Landfills: SWF/LF

A list of permitted solid waste and landfill facilities made available by Tennessee's Department of Environment Conservation (TDEC).

Government Publication Date: Sep 13, 2021

Environmental Activities on USTs: LUST

The Tennessee Department of Environment and Conservation (TDEC) has made available a list of facilities where any type of environment-related activity has occurred due to a tank closure, or a suspected or confirmed release. The information in this list includes the facility's name and address when the environmental activities began, and the as well as the current status of the activities taking place.

Government Publication Date: Aug 9, 2021

Tennessee Petroleum Underground Storage Tank Fund: LUST TRUST

A list of facilities which have applied for reimbursement from the Tennessee Petroleum Underground Storage Tank Fund, made available by Tennessee Department of Environment and Conservation (TDEC).

Government Publication Date: Aug 9, 2021

Delisted Leaking Storage Tanks: DELISTED LST

This database contains a list of leaking storage tank sites and their Funds for reimbursement of costs related to assessment and cleanup that were removed from the Department of Environment and Conservation (TDEC) database.

Government Publication Date: Aug 9, 2021

Hazardous Waste Remedial Action Fund: HWRA

List of sites under the Hazardous Waste Remedial Action Fund (HWARF) program, maintained by Tennessee Department of Environement and Conservation (TDEC). The Division of Remediation uses the Fund to investigate and cleanup environmental problems caused by the release of hazardous substances into the environment.

Government Publication Date: Oct 29, 2021

Delisted Hazardous Waste Remedial Action Fund: DHWR

List of sites which once appeared on - and have since been removed from - the list of sites participating in the Hazardous Waste Remedial Action Fund, made available by Tennessee's Department of Environment and Conservation (TDEC).

Government Publication Date: Oct 29, 2021

Underground Storage Tanks: UST

A list of tank compartments that have been reported to the Division of Underground Storage Tanks in the Department of Environment and Conservation (DEC). Some of the compartments listed, are not regulated by state or federal regulations, because of the substance stored, the size of the compartment, its use, etc. This list is maintained by Tennessee Division of Underground Storage Tanks in DEC.

Government Publication Date: Aug 9, 2021

Delisted Storage Tanks: DEL STORAGE TNK

List of tank compartments is maintained by the Division of Underground Storage Tanks in the Department of Environment and Conservation (DEC). The department would remove a record if the compartment is not regulated. This list contains the non-regulated tank compartments that been removed from the department's tank database.

Government Publication Date: Aug 9, 2021

Sites Remediated with Institutional Controls: INST

List of remediated sites that have institutional controls in place. This list has been made available by Tennessee's Department of Environment and Conservation (TDEC).

Government Publication Date: Oct 29, 2021

Sites Remediated with Engineering Controls: ENG

This list made available by Tennessee's Department of Environment and Conservation (TDEC) is comprised of remediated sites that have engineering controls.

Government Publication Date: Oct 29, 2021

Voluntary Cleanup, Oversight and Assistance Program: VCP

The Voluntary Cleanup Oversight and Assistance Program (VOAP) overlooked by Tennessee's Department of Environment and Conservation (TDEC) offers people the opportunity to work proactively with state government to address necessary cleanup of a property to return it to productive use. In return for their efforts, participants can receive a No Further Action letter and a release of liability for areas where investigation and cleanup is conducted. This list is maintained by the Division of Remediation in Department of Environment and Conservation.

Government Publication Date: Oct 29, 2021

State Remediation Program List: SRP

The State Remediation Program (SRP) was established in 1994 within the Division of Solid Waste Management of the Department of Environmental Conservation (DEC) for the purpose of providing owners, prospective purchasers and other interested parties the means to voluntarily investigate, clean up or monitor contaminated sites not regulated under RCRA, CERCLA or the Tennessee Division of Underground Tanks (UST). This list maintained by Department of Environment and Conservation, Division of Solid waste Management - Site Remediation Program.

Government Publication Date: Oct 29, 2021

Division of Remediation Sites: REMEDIATION

List of remediation sites that are or have been under any of the program in Division of Remediation, Tennessee's Department of Environment and Conservation, including VOAP, DCERP, SRP, etc.

Government Publication Date: Oct 29, 2021

Tribal

Leaking Underground Storage Tanks (LUSTs) on Indian Lands: INDIAN LUST

LUSTs on Tribal/Indian Lands in Region 4, which includes Tennessee. There are no LUST records in Tennessee at this time.

Government Publication Date: Apr 12, 2019

Underground Storage Tanks (USTs) on Indian Lands: INDIAN UST

USTs on Tribal/Indian Lands in Region 4, which includes Tennessee. There are no UST records in Tennessee at this time.

Government Publication Date: Oct 14, 2017

Delisted Tribal Leaking Storage Tanks: DELISTED ILST

Leaking Underground Storage Tank facilities which have been removed from the Regional Tribal LUST lists made available by the EPA.

Government Publication Date: Apr 14, 2020

Delisted Tribal Underground Storage Tanks: DELISTED IUST

Underground Storage Tank facilities which have been removed from the Regional Tribal UST lists made available by the EPA.

Government Publication Date: Apr 14, 2020

County

No County standard environmental record sources available for this State.

Additional Environmental Record Sources

Federal

Facility Registry Service/Facility Index: FINDS/FRS

The Facility Registry Service (FRS) is a centrally managed database that identifies facilities, sites, or places subject to environmental regulations or of environmental interest. FRS creates high-quality, accurate, and authoritative facility identification records through rigorous verification and management procedures that incorporate information from program national systems, state master facility records, and data collected from EPA's Central Data Exchange registrations and data management personnel. This list is made available by the Environmental Protection Agency (US EPA).

Government Publication Date: Nov 2, 2020

Toxics Release Inventory (TRI) Program: TRIS

The EPA's Toxics Release Inventory (TRI) is a database containing data on disposal or other releases of over 650 toxic chemicals from thousands of U. S. facilities and information about how facilities manage those chemicals through recycling, energy recovery, and treatment. One of TRI's primary purposes is to inform communities about toxic chemical releases to the environment.

Government Publication Date: Aug 24, 2021

Perfluorinated Alkyl Substances (PFAS) Releases: PFAS TRI

List of Toxics Release Inventory (TRI) facilities at which the reported chemical is a Per- or polyfluorinated alkyl substance (PFAS) included in the Environmental Protection Agency (EPA)'s consolidated PFAS Master List of PFAS Substances. The EPA's Toxics Release Inventory (TRI) is a database containing data on disposal or other releases of over 650 toxic chemicals from thousands of U.S. facilities and information about how facilities manage those chemicals through recycling, energy recovery, and treatment.

Government Publication Date: Aug 24, 2021

PFOA/PFOS Contaminated Sites: PFAS NPL

List of sites where PFOA or PFOS contaminants have been found in drinking water or soil. Made available by the Federal Environmental Protection Agency (EPA).

Government Publication Date: Sep 17, 2021

Perfluorinated Alkyl Substances (PFAS) Water Quality: PFAS WATER

The Water Quality Portal (WQP) is a cooperative service sponsored by the United States Geological Survey (USGS), the Environmental Protection Agency (EPA), and the National Water Quality Monitoring Council (NWQMC). This listing includes records from the Water Quality Portal where the characteristic (environmental measurement) is in the Environmental Protection Agency (EPA)'s consolidated PFAS Master List of PFAS Substances.

Government Publication Date: Jul 20, 2020

SSEHRI PFAS Contamination Sites: PFAS SSEHRI

This PFAS Contamination Site Tracker database is compiled by the Social Science Environmental Health Research Institute (SSEHRI) at Northeastern University. According to the SSEHRI, the database records qualitative and quantitative data from each known site of PFAS contamination, including timeline of discovery, sources, levels, health impacts, community response, and government response. The goal of this database is to compile information and support public understanding of the rapidly unfolding issue of PFAS contamination. All data presented was extracted from government websites, news articles, or publicly available documents, and this is cited in the tracker. Disclaimer: The source conveys this database undergoes regular updates as new information becomes available, some sites may be missing and/or contain information that is incorrect or outdated, as well as their information represents all contamination sites SSEHRI is aware of, not all possible contamination sites. This data is not intended to be used for legal purposes. Limited location details are available with this data. Access the following for the most current informations https://pfasproject.com/pfas-contamination-site-tr acker/

Government Publication Date: Dec 12, 2019

Hazardous Materials Information Reporting System: HMIRS

US DOT - Department of Transportation Pipeline and Hazardous Materials Safety Administration (PHMSA) Incidents Reports Database taken from Hazmat Intelligence Portal, U.S. Department of Transportation.

Government Publication Date: Sep 1, 2020

National Clandestine Drug Labs: NCDL

The U.S. Department of Justice ("the Department") provides this data as a public service. It contains addresses of some locations where law enforcement agencies reported they found chemicals or other items that indicated the presence of either clandestine drug laboratories or dumpsites. In most cases, the source of the entries is not the Department, and the Department has not verified the entry and does not guarantee its accuracy.

Government Publication Date: Oct 5, 2020

Toxic Substances Control Act: TSCA

The Environmental Protection Agency (EPA) is amending the Toxic Substances Control Act (TSCA) section 8(a) Inventory Update Reporting (IUR) rule and changing its name to the Chemical Data Reporting (CDR) rule.

The CDR enables EPA to collect and publish information on the manufacturing, processing, and use of commercial chemical substances and mixtures (referred to hereafter as chemical substances) on the TSCA Chemical Substance Inventory (TSCA Inventory). This includes current information on chemical substance production volumes, manufacturing sites, and how the chemical substances are used. This information helps the Agency determine whether people or the environment are potentially exposed to reported chemical substances. EPA publishes submitted CDR data that is not Confidential Business Information (CBI).

Government Publication Date: Apr 11, 2019

Hist TSCA: HIST TSCA

The Environmental Protection Agency (EPA) is amending the Toxic Substances Control Act (TSCA) section 8(a) Inventory Update Reporting (IUR) rule and changing its name to the Chemical Data Reporting (CDR) rule.
The 2006 IUR data summary report includes information about chemicals manufactured or imported in quantities of 25,000 pounds or more at a single site during calendar year 2005. In addition to the basic manufacturing information collected in previous reporting cycles, the 2006 cycle is the first time EPA collected information to characterize exposure during manufacturing, processing and use of organic chemicals. The 2006 cycle also is the first time manufacturers of inorganic chemicals were required to report basic manufacturing information.
Government Publication Date: Dec 31, 2006

FTTS Administrative Case Listing: FTTS ADMIN
An administrative case listing from the Federal Insecticide, Fungicide, & Rodenticide Act (FIFRA) and Toxic Substances Control Act (TSCA), together known as FTTS. This database was obtained from the Environmental Protection Agency's (EPA) National Compliance Database (NCDB). The FTTS and NCDB was shut down in 2006.
Government Publication Date: Jan 19, 2007

FTTS Inspection Case Listing: FTTS INSP
An inspection case listing from the Federal Insecticide, Fungicide, & Rodenticide Act (FIFRA) and Toxic Substances Control Act (TSCA), together known as FTTS. This database was obtained from the Environmental Protection Agency's (EPA) National Compliance Database (NCDB). The FTTS and NCDB was shut down in 2006.
Government Publication Date: Jan 19, 2007

Potentially Responsible Parties List: PRP
Early in the cleanup process, the Environmental Protection Agency (EPA) conducts a search to find the potentially responsible parties (PRPs). EPA looks for evidence to determine liability by matching wastes found at the site with parties that may have contributed wastes to the site.
Government Publication Date: Oct 20, 2021

State Coalition for Remediation of Drycleaners Listing: SCRD DRYCLEANER
The State Coalition for Remediation of Drycleaners (SCRD) was established in 1998, with support from the U.S. Environmental Protection Agency (EPA) Office of Superfund Remediation and Technology Innovation. Coalition members are states with mandated programs and funding for drycleaner site remediation. Current members are Alabama, Connecticut, Florida, Illinois, Kansas, Minnesota, Missouri, North Carolina, Oregon, South Carolina, Tennessee, Texas, and Wisconsin.
Government Publication Date: Nov 08, 2017

Integrated Compliance Information System (ICIS): ICIS
The Integrated Compliance Information System (ICIS) is a system that provides information for the Federal Enforcement and Compliance (FE&C) and the National Pollutant Discharge Elimination System (NPDES) programs. The FE&C component supports the Environmental Protection Agency's (EPA) Civil Enforcement and Compliance program activities. These activities include Compliance Assistance, Compliance Monitoring and Enforcement. The NPDES program supports tracking of NPDES permits, limits, discharge monitoring data and other program reports.
Government Publication Date: Jun 14, 2021

Drycleaner Facilities: FED DRYCLEANERS
A list of drycleaner facilities from Enforcement and Compliance History Online (ECHO) online search. The Environmental Protection Agency (EPA) tracks facilities that possess NAIC and SIC codes that classify businesses as drycleaner establishments.
Government Publication Date: May 5, 2021

Delisted Drycleaner Facilities: DELISTED FED DRY
List of sites removed from the list of Drycleaner Facilities (sites in the EPA's Integrated Compliance Information System (ICIS) with NAIC or SIC codes identifying the business as a drycleaner establishment).
Government Publication Date: May 5, 2021

Formerly Used Defense Sites: FUDS
Formerly Used Defense Sites (FUDS) are properties that were formerly owned by, leased to, or otherwise possessed by and under the jurisdiction of the Secretary of Defense prior to October 1986, where the Department of Defense (DoD) is responsible for an environmental restoration. This list is published by the U.S. Army Corps of Engineers.
Government Publication Date: May 26, 2021

Former Military Nike Missile Sites: FORMER NIKE

This information was taken from report DRXTH-AS-IA-83A016 (Historical Overview of the Nike Missile System, 12/1984) which was performed by Environmental Science and Engineering, Inc. for the U.S. Army Toxic and Hazardous Materials Agency Assessment Division. The Nike system was deployed between 1954 and the mid-1970's. Among the substances used or stored on Nike sites were liquid missile fuel (JP-4); starter fluids (UDKH, aniline, and furfuryl alcohol); oxidizer (IRFNA); hydrocarbons (motor oil, hydraulic fluid, diesel fuel, gasoline, heating oil); solvents (carbon tetrachloride, trichloroethylene, trichloroethane, stoddard solvent); and battery electrolyte. The quantities of material a disposed of and procedures for disposal are not documented in published reports. Virtually all information concerning the potential for contamination at Nike sites is confined to personnel who were assigned to Nike sites. During deactivation most hardware was shipped to depot-level supply points. There were reportedly instances where excess materials were disposed of on or near the site itself at closure. There was reportedly no routine site decontamination.

Government Publication Date: Dec 2, 1984

PHMSA Pipeline Safety Flagged Incidents: PIPELINE INCIDENT

A list of flagged pipeline incidents made available by the U.S. Department of Transportation (US DOT) Pipeline and Hazardous Materials Safety Administration (PHMSA). PHMSA regulations require incident and accident reports for five different pipeline system types.

Government Publication Date: Jul 7, 2020

Material Licensing Tracking System (MLTS): MLTS

A list of sites that store radioactive material subject to the Nuclear Regulatory Commission (NRC) licensing requirements. This list is maintained by the NRC. As of September 2016, the NRC no longer releases location information for sites. Site locations were last received in July 2016.

Government Publication Date: May 11, 2021

Historic Material Licensing Tracking System (MLTS) sites: HIST MLTS

A historic list of sites that have inactive licenses and/or removed from the Material Licensing Tracking System (MLTS). In some cases, a site is removed from the MLTS when the state becomes an "Agreement State". An Agreement State is a State that has signed an agreement with the Nuclear Regulatory Commission (NRC) authorizing the State to regulate certain uses of radioactive materials within the State.

Government Publication Date: Jan 31, 2010

Mines Master Index File: MINES

The Master Index File (MIF) contains mine identification numbers issued by the Department of Labor Mine Safety and Health Administration (MSHA) for mines active or opened since 1971. Note that addresses may or may not correspond with the physical location of the mine itself.

Government Publication Date: Nov 3, 2020

Surface Mining Control and Reclamation Act Sites: SMCRA

An inventory of land and water impacted by past mining (primarily coal mining) is maintained by the Office of Surface Mining Reclamation and Enforcement (OSMRE) to provide information needed to implement the Surface Mining Control and Reclamation Act of 1977 (SMCRA). The inventory contains information on the location, type, and extent of Abandoned Mine Land (AML) impacts, as well as information on the cost associated with the reclamation of those problems. The inventory is based upon field surveys by State, Tribal, and OSMRE program officials. It is dynamic to the extent that it is modified as new problems are identified and existing problems are reclaimed.

Government Publication Date: Dec 18, 2020

Mineral Resource Data System: MRDS

The Mineral Resource Data System (MRDS) is a collection of reports describing metallic and nonmetallic mineral resources throughout the world. Included are deposit name, location, commodity, deposit description, geologic characteristics, production, reserves, resources, and references. This database contains the records previously provided in the Mineral Resource Data System (MRDS) of USGS and the Mineral Availability System/Mineral Industry Locator System (MAS/MILS) originated in the U.S. Bureau of Mines, which is now part of USGS. The USGS has ceased systematic updates of the MRDS database with their focus more recently on deposits of critical minerals while providing a well-documented baseline of historical mine locations from USGS topographic maps.

Government Publication Date: Mar 15, 2006

Uranium Mill Tailings Radiation Control Act Sites: URANIUM

The Legacy Management Office of the Department of Energy (DOE) manages radioactive and chemical waste, environmental contamination, and hazardous material at over 100 sites across the U.S. The L.M. Office manages this database of sites registered under the Uranium Mill Tailings Control Act (UMTRCA).

Government Publication Date: Mar 4, 2017

Alternative Fueling Stations: ALT FUELS

List of alternative fueling stations made available by the US Department of Energy's Office of Energy Efficiency & Renewable Energy. Includes Biodiesel stations, Ethanol (E85) stations, Liquefied Petroleum Gas (Propane) stations, Ethanol (E85) stations, Natural Gas stations, Hydrogen stations, and Electric Vehicle Supply Equipment (EVSE). The National Renewable Energy Laboratory (NREL) obtains information about new stations from trade media, Clean Cities coordinators, a Submit New Station form on the Station Locator website, and through collaborating with infrastructure equipment and fuel providers, original equipment manufacturers (OEMs), and industry groups.

Government Publication Date: Oct 25, 2021

Registered Pesticide Establishments: SSTS

List of active EPA-registered foreign and domestic pesticide-producing and device-producing establishments based on data from the Section Seven Tracking System (SSTS). The Federal Insecticide, Fungicide, and Rodenticide Act (FIFRA) Section 7 requires that facilities producing pesticides, active ingredients, or devices be registered. The list of establishments is made available by the EPA.

Government Publication Date: Apr 13, 2021

Polychlorinated Biphenyl (PCB) Notifiers: PCB

Facilities included in the national list of facilities that have notified the United States Environmental Protection Agency (EPA) of Polychlorinated Biphenyl (PCB) activities. Any company or person storing, transporting or disposing of PCBs or conducting PCB research and development must notify the EPA and receive an identification number.

Government Publication Date: Nov 19, 2020

State

Drycleaner Environmental Response Program Remediation Sites: PRIORITY CLEAN

Tennessee's Department of Environment and Conservation (TDEC) Division of Remediation operates a program called the Drycleaner Environmental Response Program (DCERP). This program keeps a list of DCERP remediation sites.

Government Publication Date: Oct 29, 2021

Delisted Drycleaner Environmental Response Program Remediation Sites: DELISTED DCER

The list of Drycleaner Environmental Response Program, maintained by the Tennessee's Department of Environment and Conservation Division of Remediation, would remove a record if the program finished the remediation. This list contains all such records that has finished remediation.

Government Publication Date: Oct 29, 2021

Registered Drycleaner Facilities List: DRYCLEANERS

The Drycleaner Environmental Response Program (DCERP) of the Department of Environment and Conservation maintains a list of registered drycleaner facilities.

Government Publication Date: Sep 7, 2021

Delisted Drycleaners List: DELISTED DRYCLEANERS

List of sites removed from the drycleaners database made available by the Department of Environmental and Conservation.

Government Publication Date: Sep 7, 2021

Registry of Contaminated Properties: CDL

The Department of Environment and Conservation (DEC) maintains a registry of all properties reported by a law enforcement agency that have been under order of quarantine for at least sixty (60) days. These properties have been quarantined due to the criminal activities associated with Clandestine Methamphetamine Laboratories (CML). This list is maintained by The Department of Environment and Conservation (TDEC).

Government Publication Date: Oct 4, 2021

Spills, Emergency Response Data: SPILLS

An inventory of spill locations reported to Tennessee Emergency Management Agency. This list made available by Tennessee Emergency Management Agency (TEMA).

Government Publication Date: Jul 22, 2015

Statewide Petroleum Incident Logging Section (SPILS) List: SPILS

Tenneessee's Statewide Petroleum Incident Logging Section (SPILS) is a new program within the Tennessee Department of Environment and Conservation (TDEC)'s Division of Solid Waste Management (DSWM). The SPILS program log incidents along Tennessee's roadways where a reportable quantity of petroleum products is released to the environment, ensuring that appropriate cleanup standards are applied, remediation activities are completed, and final reports detailing the response are received and reviewed.

Government Publication Date: Sep 14, 2021

Solid Waste Management (SWM) Complaints: SWM COMPLAINT

List of Solid Waste Management (SWM) complaints in the Tennessee Department of Environment & Conservation (TDEC) Dataviewer.

Government Publication Date: Jan 25, 2021

Hazardous Waste Management Facilities: HWM

List of Hazardous Waste Management Facilities made available by Tennessee's Department of Environment and Conservation. Includes Active, Inactive, Closed, Open, Operating, and Not Operating facilities. This is not a complete list of hazardous waste management facilities permits in the state of Tennessee.

Government Publication Date: Sep 14, 2021

Tribal

No Tribal additional environmental record sources available for this State.

County

No County additional environmental record sources available for this State.

Definitions

Database Descriptions: This section provides a detailed explanation for each database including: source, information available, time coverage, and acronyms used. They are listed in alphabetic order.

Detail Report: This is the section of the report which provides the most detail for each individual record. Records are summarized by location, starting with the project property followed by records in closest proximity.

Distance: The distance value is the distance between plotted points, not necessarily the distance between the sites' boundaries. All values are an approximation.

Direction: The direction value is the compass direction of the site in respect to the project property and/or center point of the report.

Elevation: The elevation value is taken from the location at which the records for the site address have been plotted. All values are an approximation. Source: Google Elevation API.

Executive Summary: This portion of the report is divided into 3 sections:

'Report Summary'- Displays a chart indicating how many records fall on the project property and, within the report search radii.

'Site Report Summary'-Project Property'- This section lists all the records which fall on the project property. For more details, see the 'Detail Report' section.

'Site Report Summary-Surrounding Properties'- This section summarizes all records on adjacent properties, listing them in order of proximity from the project property. For more details, see the 'Detail Report' section.

Map Key: The map key number is assigned according to closest proximity from the project property. Map Key numbers always start at #1. The project property will always have a map key of '1' if records are available. If there is a number in brackets beside the main number, this will indicate the number of records on that specific property. If there is no number in brackets, there is only one record for that property.

The symbol and colour used indicates 'elevation': the red inverted triangle will dictate 'ERIS Sites with Lower Elevation', the yellow triangle will dictate 'ERIS Sites with Higher Elevation' and the orange square will dictate 'ERIS Sites with Same Elevation.'

Unplottables: These are records that could not be mapped due to various reasons, including limited geographic information. These records may or may not be in your study area, and are included as reference.

Appendix D
Historical Documents

TOPOGRAPHIC MAPS

Project Property:	Legends Park - Block A Legends Park - Block A Memphis TN None
Project No:	0888830988
Requested By:	EnSafe Inc.
Order No:	21112200240
Date Completed:	November 23, 2021

Environmental Risk Information Services
A division of Glacier Media Inc.
1.866.517.5204 | info@erisinfo.com | erisinfo.com

We have searched USGS collections of current topographic maps and historical topographic maps for the project property. Below is a list of maps found for the project property and adjacent area. Maps are from 7.5 and 15 minute topographic map series, if available.

Year	Map Series
2016	7.5
1997	7.5
1993	7.5
1973	7.5
1965	7.5
1960	15
1955	15
1939	15
1927	15
1925	15
1916	15

Topographic Map Symbology for the maps may be available in the following documents:

Pre-1947

Page 223 of 1918 Topographic Instructions

Page 130 of 1928 Topographic Instructions

1947-2009

Topographic Map Symbols

2009-present

US Topo Map Symbols

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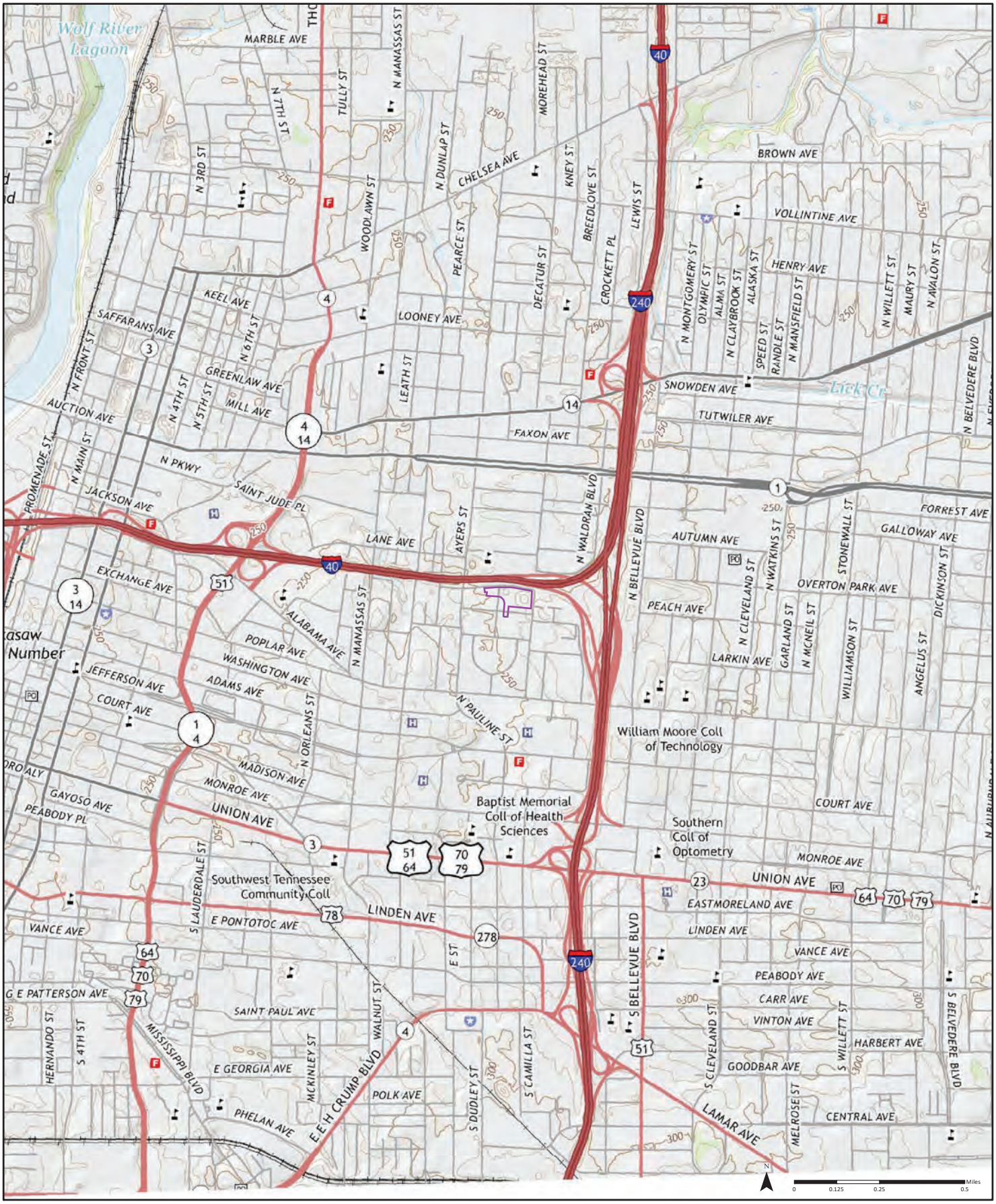
No warranty of Accuracy or Liability for ERIS: The information contained in this report has been produced by ERIS Information Inc.(in the US) and ERIS Information Limited Partnership (in Canada), both doing business as 'ERIS', using Topographic Maps produced by the USGS. This maps contained herein does not purport to be and does not constitute a guarantee of the accuracy of the information contained herein. Although ERIS has endeavored to present you with information that is accurate, ERIS disclaims, any and all liability for any errors, omissions, or inaccuracies in such information and data, whether attributable to inadvertence, negligence or otherwise, and for any consequences arising therefrom. Liability on the part of ERIS is limited to the monetary value paid for this report.

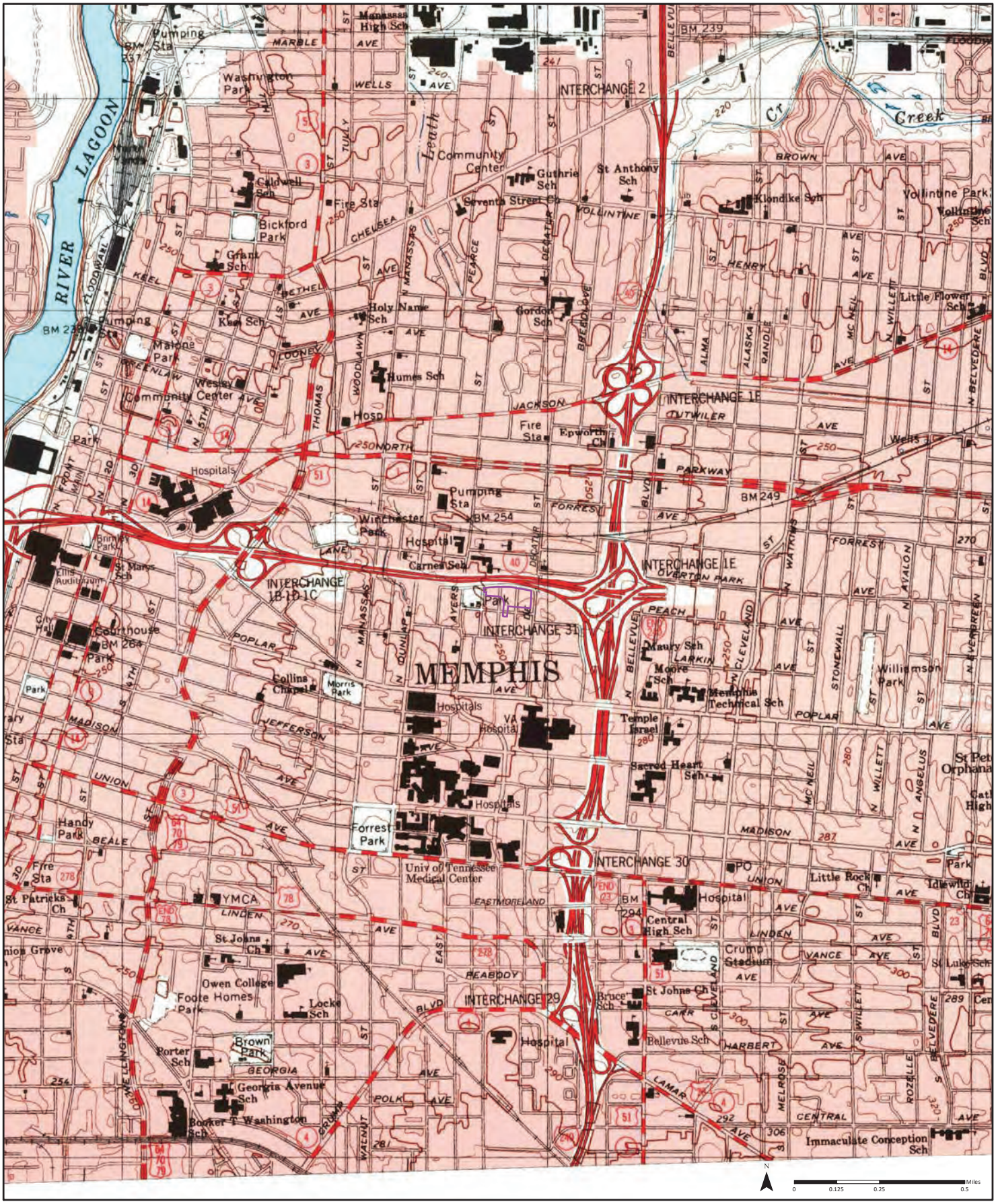


2016

Quadrangle(s): Northwest Memphis, TN

Order No. 21112200240

Source: USGS 7.5 Minute Topographic Map



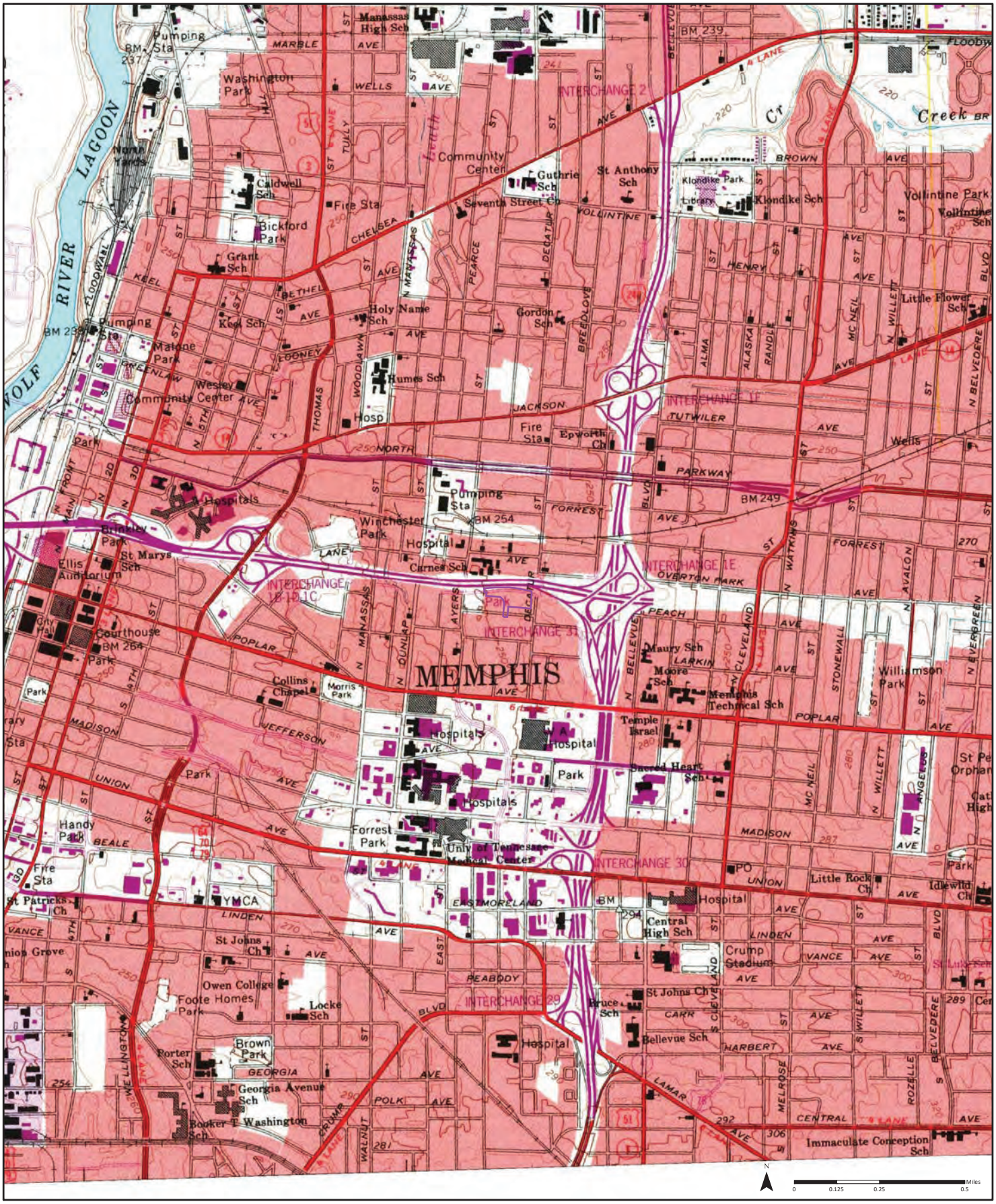
1997 (1)

Aerial Photo Year: 1997

Quadrangle(s): Northwest Memphis, TN(1)

Order No. 21112200240

Source: USGS 7.5 Minute Topographic Map



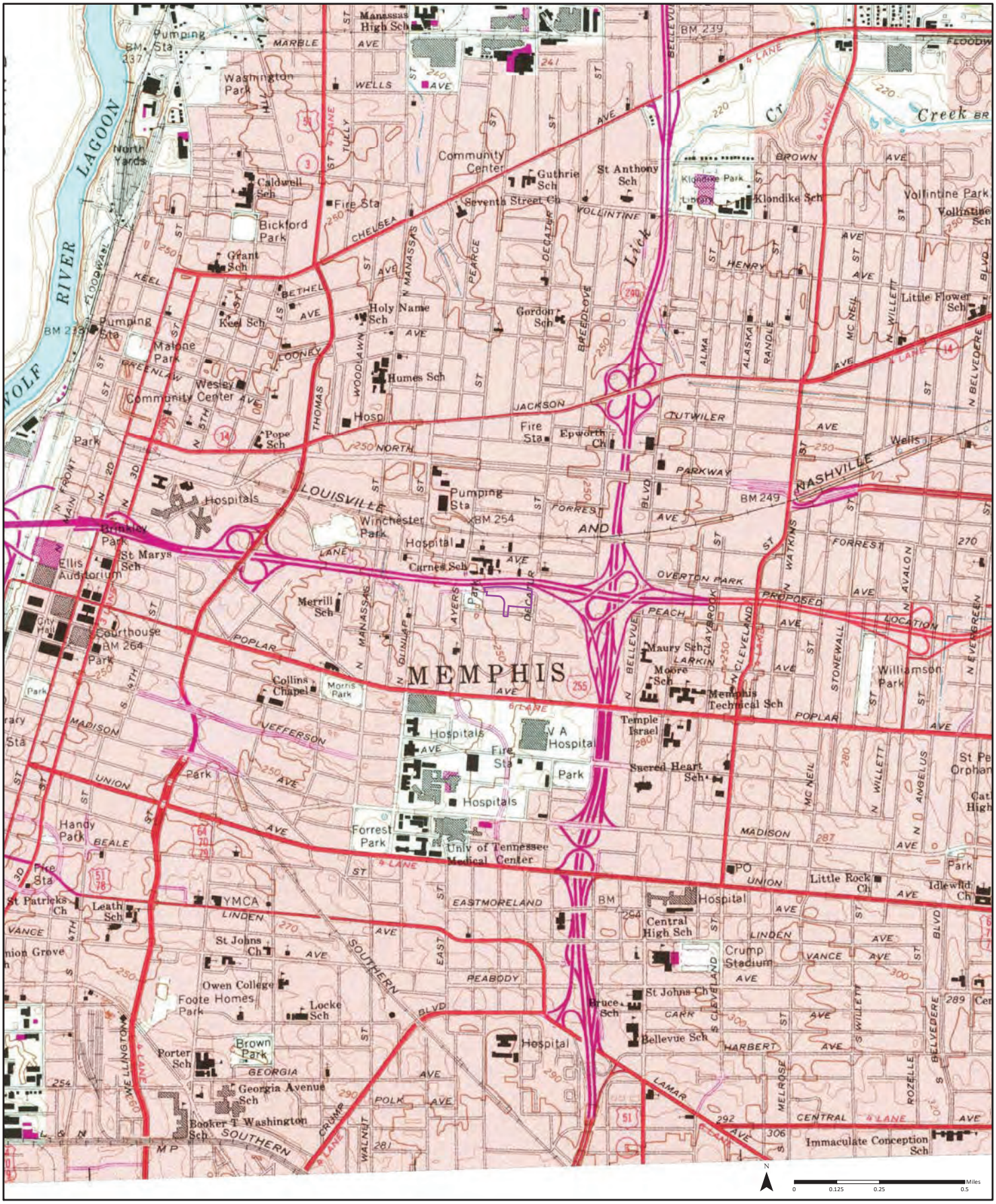
1993 (1)

Aerial Photo Year: 1990
Photo Revision Year: 1993

Quadrangle(s): Northwest Memphis, TN(1)

Order No. 21112200240

Source: USGS 7.5 Minute Topographic Map



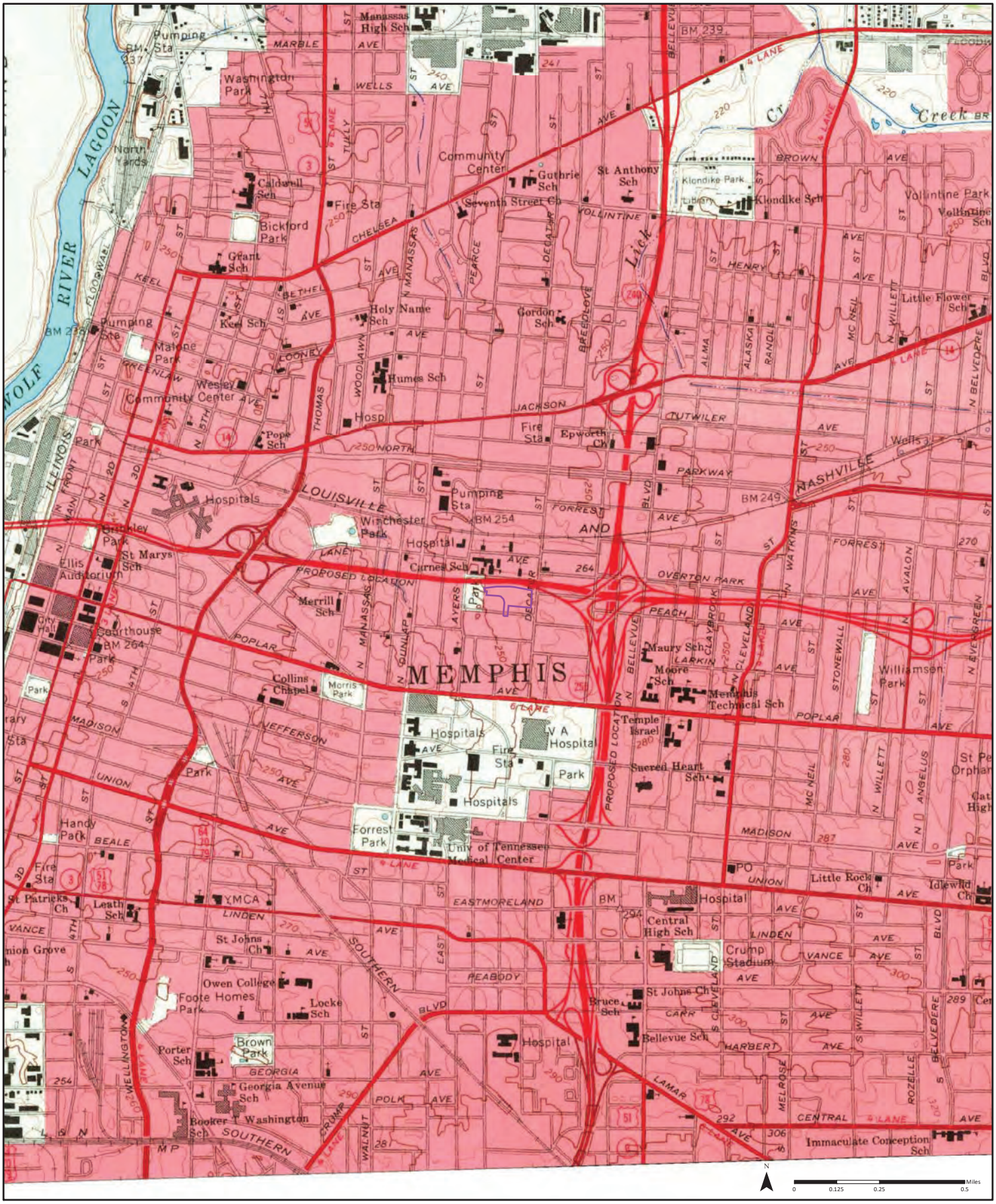
1973 (1)

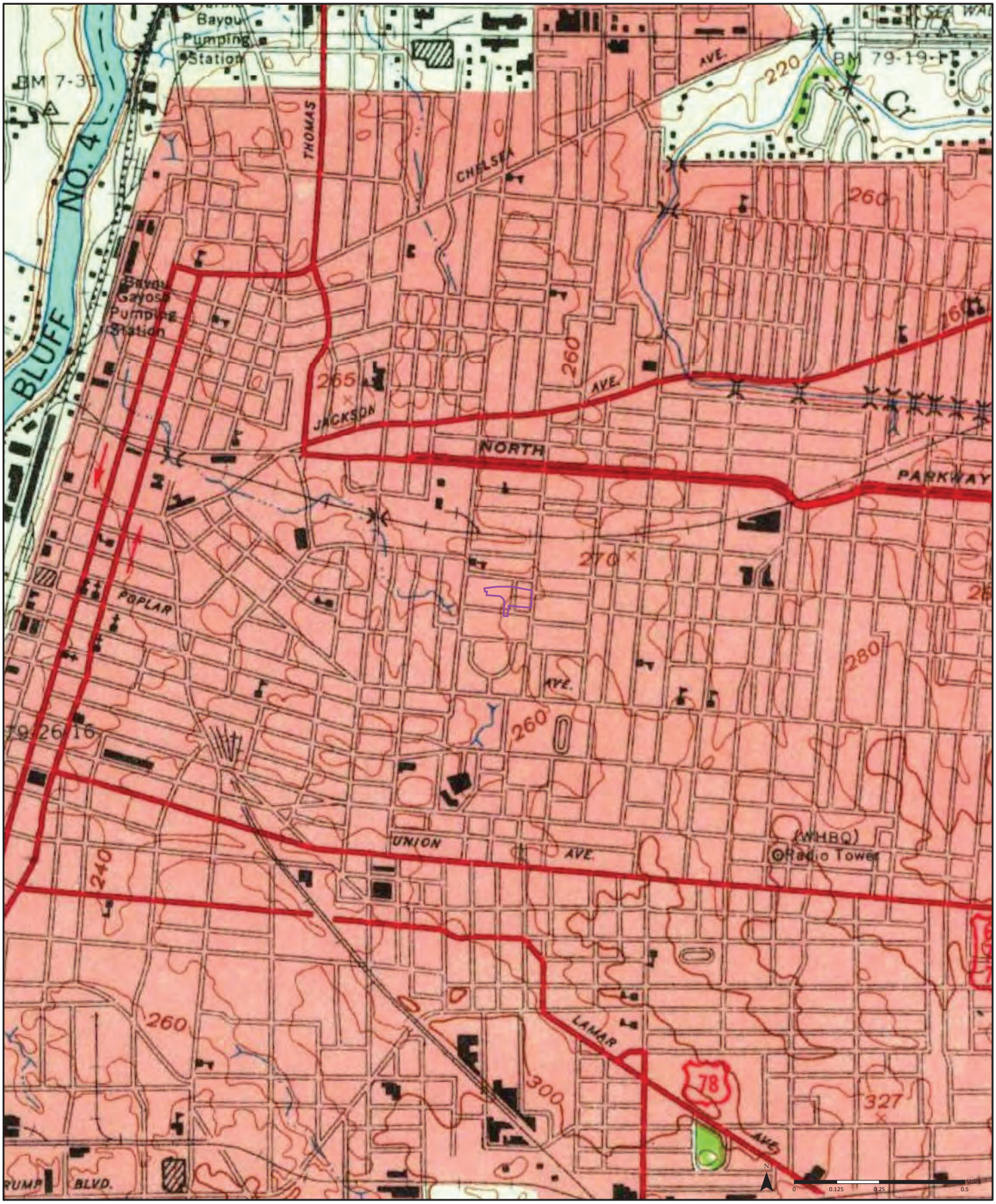
Aerial Photo Year: 1973
Photo Revision Year: 1973

Quadrangle(s): Northwest Memphis, TN(1)

Order No. 21112200240

Source: USGS 7.5 Minute Topographic Map


MEMPHIS
WOLF RIVER LAGOON
Manassas High Sch
Pumping Sta
Washington Park
North Yards
Caldwell Sch
Fire Sta
Bickford Park
Grant Sch
Community Center
Guthrie Sch
St Anthony Sch
Seventh Street Ch
Klondike Park
Klondike Sch
Volintine Park
Volintine Sch
Little Flower Sch
Keel Sch
Malone Park
Wesley Community Center
Holy Name Sch
Gordon Sch
Humes Sch
Hosp
Pope Sch
Epworth Ch
Hospitals
Winchester Park
Hospital
Curnes Sch
Pumping Sta
Brinkley Park
St Marys Sch
Ellis Auditorium
Courthouse
Merrill Sch
Collins Chapel
Morris Park
Park
Hospitals
V A Hospital
Fire Sta
Sacred Heart Sch
Temple Israel
Maury Sch
Moore Sch
Memphis Technical Sch
Williamson Park
Forrest Park
Univ of Tennessee Medical Center
Handy Park
Fire Sta
St Patricks Ch
Leath Sch
YMCA
St Johns Ch
Owen College
Foote Homes
Locke Sch
Porter Sch
Brown Park
Georgia Avenue Sch
Booker T Washington Sch
Hospital
Central High Sch
Crump Stadium
Bruce Sch
St Johns Ch
Bellevue Sch
Little Rock Ch
Idlewild Ch
Immaculate Conception Sch
PO
Park
Community Center
Seventh Street Ch
Pumping Sta
Fire Sta
Hospitals
Hospital
Park
Courthouse
Park
Park
Park



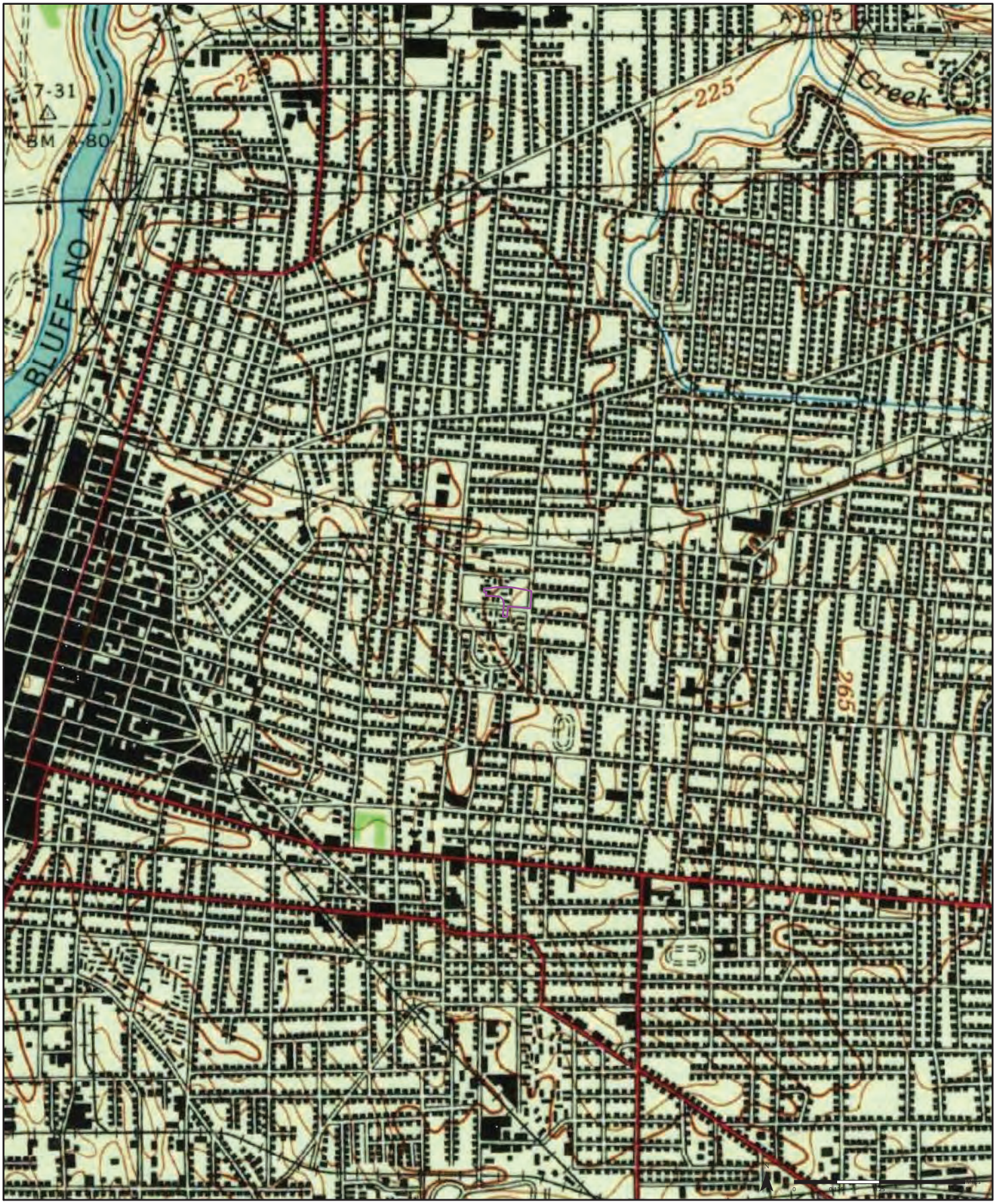
1960 (1)

Aerial Photo Year: 1958

Quadrangle(s): Memphis, TN(1)

Order No. 21112200240

Source: USGS 15 Minute Topographic Map

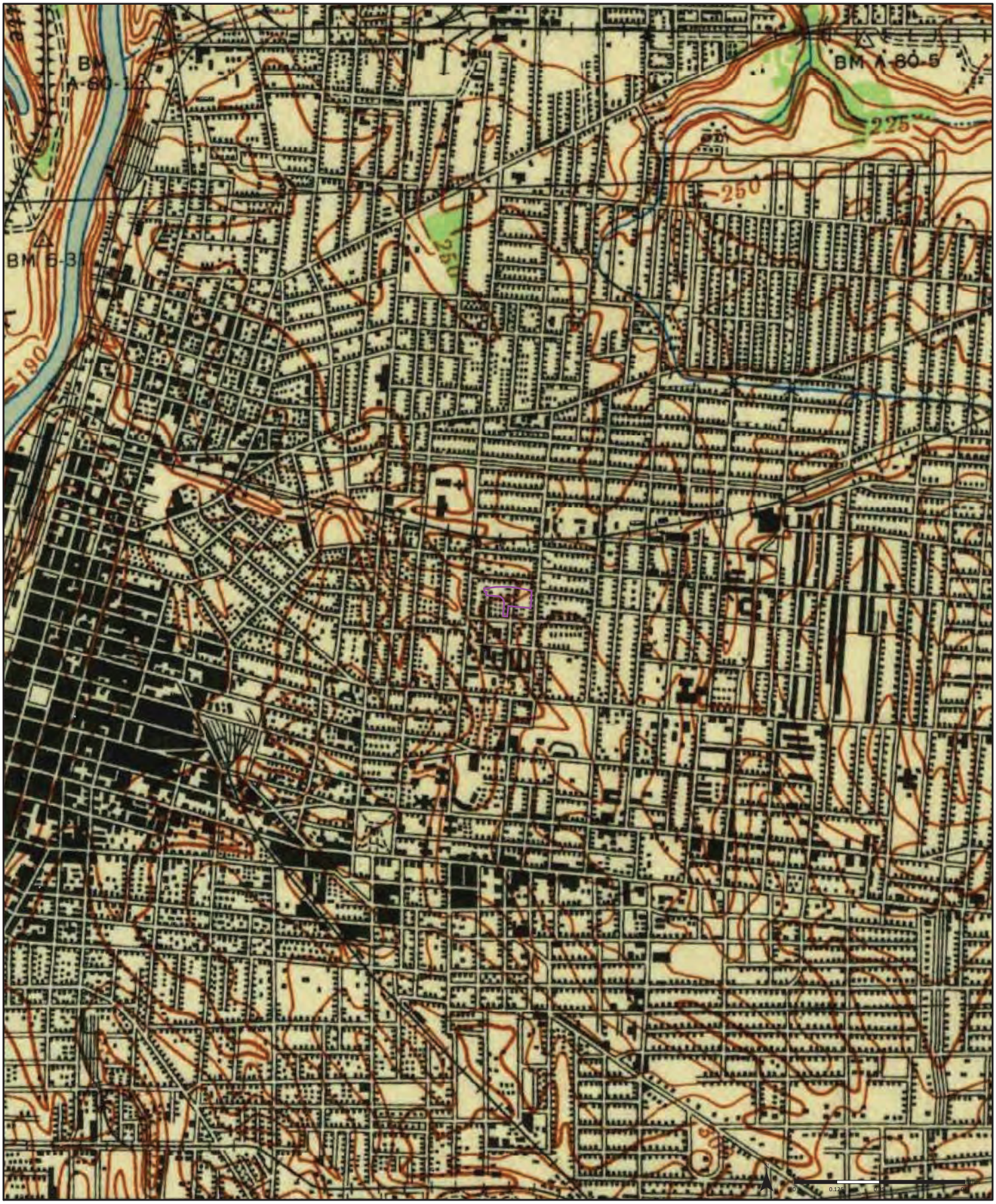


1955 [1]
Aerial Photo Year: 1952

Quadrangle(s): Memphis, TN[1]

Order No. 21112200240

Source: USGS 15 Minute Topographic Map

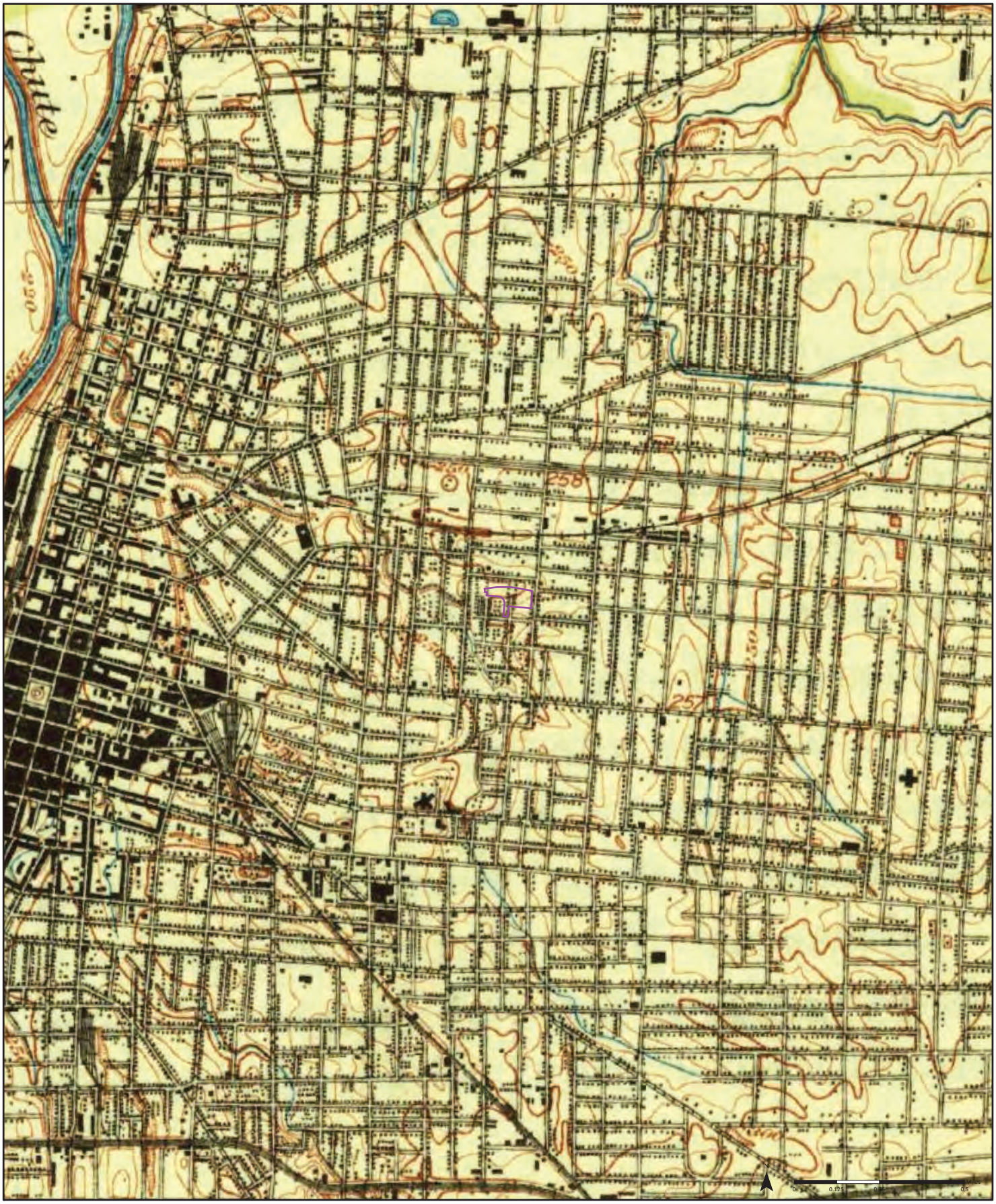


1939

Quadrangle(s): Memphis, TN

Order No. 21112200240

Source: USGS 15 Minute Topographic Map



1927

Quadrangle(s): Memphis, TN

Order No. 21112200240

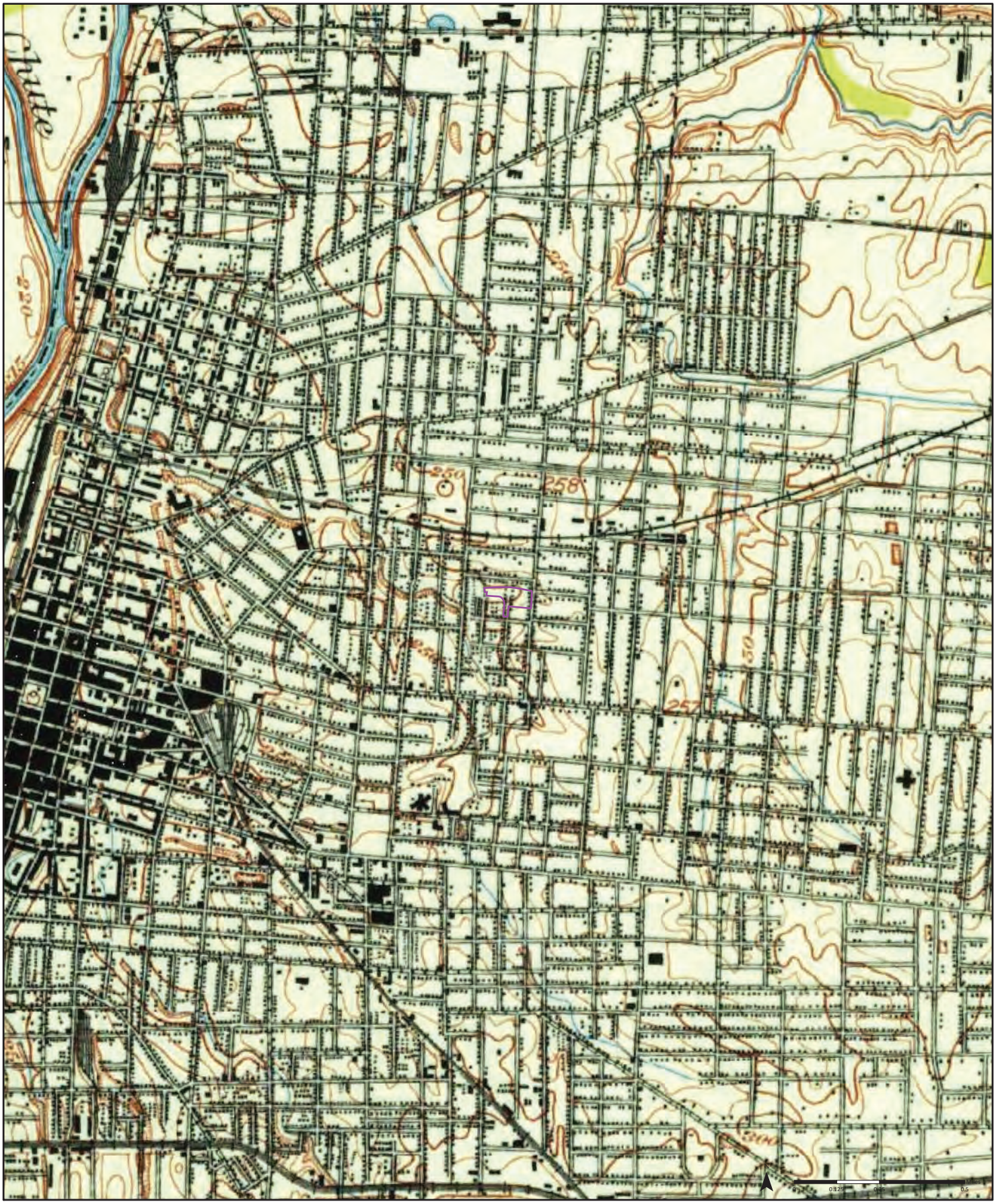
Source: USGS 15 Minute Topographic Map

1925

Quadrangle(s): Memphis, TN

Order No. 21112200240

Source: USGS 15 Minute Topographic Map



1916

Quadrangle(s): Memphis, TN

Order No. 21112200240

Source: USGS 15 Minute Topographic Map

HISTORICAL AERIALS

Project Property: Legends Park - Block A
Legends Park - Block A
Memphis TN

Project No: 0888830988

Requested By: EnSafe Inc.

Order No: 21112200240

Date Completed: November 24,2021

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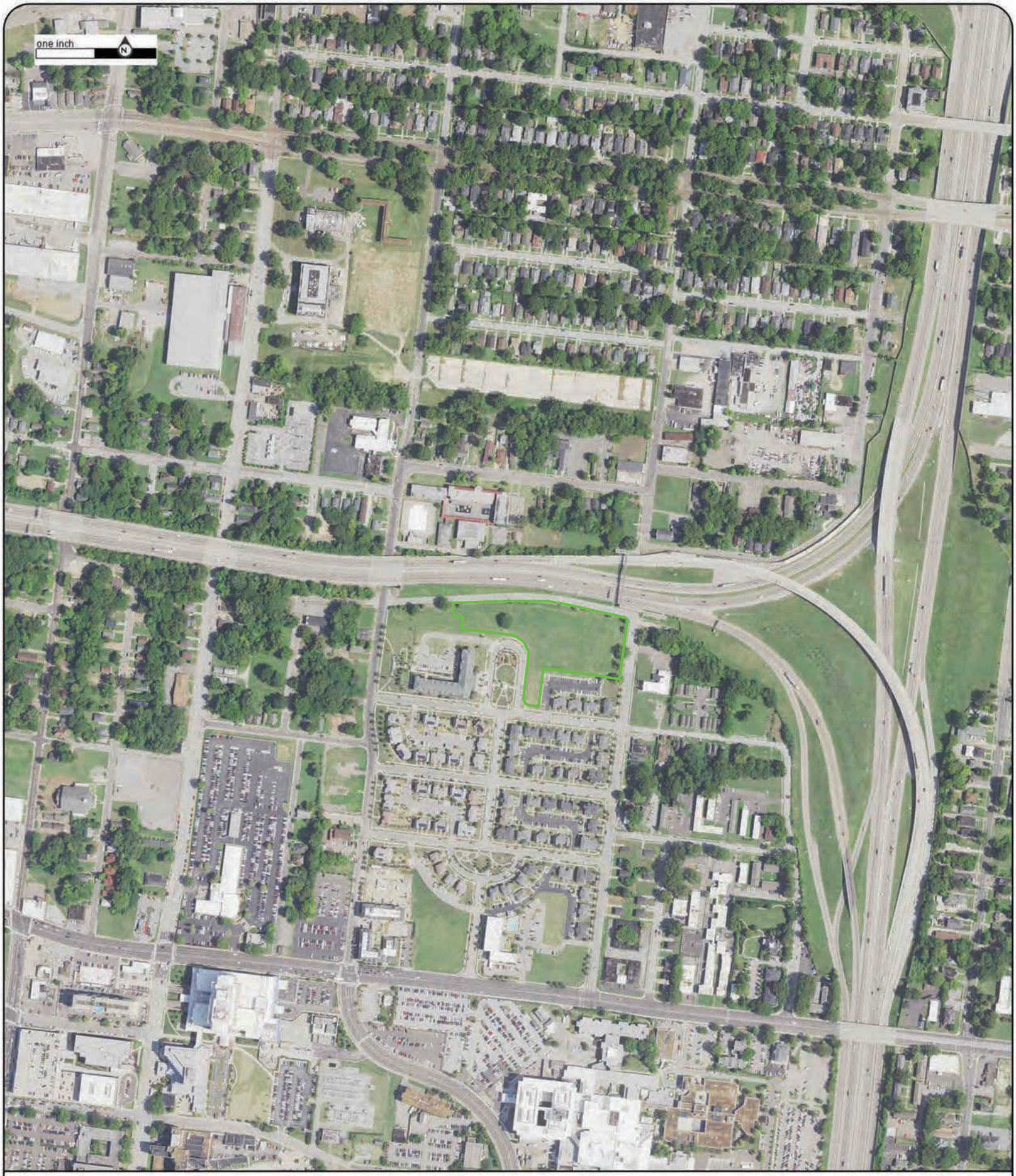
Date	Source	Scale	Comments
2018	United States Departments of Agriculture	1" = 500'	
2016	United States Departments of Agriculture	1" = 500'	
2014	United States Departments of Agriculture	1" = 500'	
2012	United States Departments of Agriculture	1" = 500'	
2010	United States Departments of Agriculture	1" = 500'	
2008	United States Departments of Agriculture	1" = 500'	
2007	United States Departments of Agriculture	1" = 500'	
2006	United States Departments of Agriculture	1" = 500'	
2004	United States Departments of Agriculture	1" = 500'	
1997	United States Geologial Survey	1" = 500'	
1990	United States Geologial Survey	1" = 500'	
1984	United States Geologial Survey	1" = 500'	
1975	United States Geologial Survey	1" = 500'	
1973	United States Geologial Survey	1" = 500'	
1963	United States Geologial Survey	1" = 500'	
1955	United States Air Force	1" = 500'	Best Copy Available
1937	Agricultural Stabilization & Conserv. Service	1" = 500'	Best Copy Available

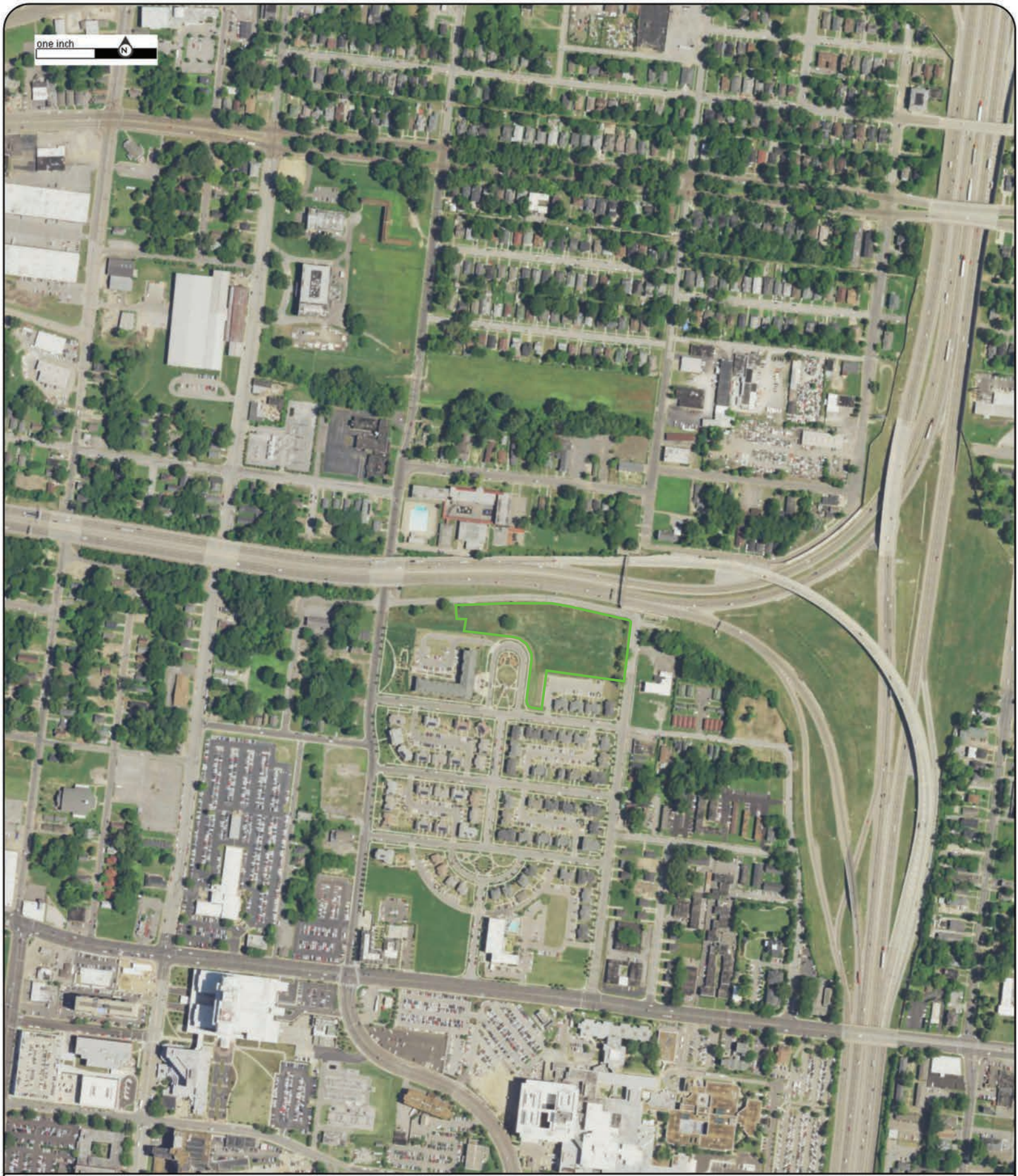


Year: 2018
Source: USDA
Scale: 1" = 500'
Comment:

Address: Legends Park - Block A, Memphis, TN
Approx Center: -90.02724027,35.14930744

Order No: 21112200240

ERIS



Year: 2016
Source: USDA
Scale: 1" = 500'
Comment:

Address: Legends Park - Block A, Memphis, TN
Approx Center: -90.02724027,35.14930744

Order No: 21112200240

ERIS

Year: 2014
Source: USDA
Scale: 1" = 500'
Comment:

Address: Legends Park - Block A, Memphis, TN
Approx Center: -90.02724027,35.14930744

Order No: 21112200240

ERIS

Year: 2012
Source: USDA
Scale: 1" = 500'
Comment:

Address: Legends Park - Block A, Memphis, TN
Approx Center: -90.02724027,35.14930744

Order No: 21112200240

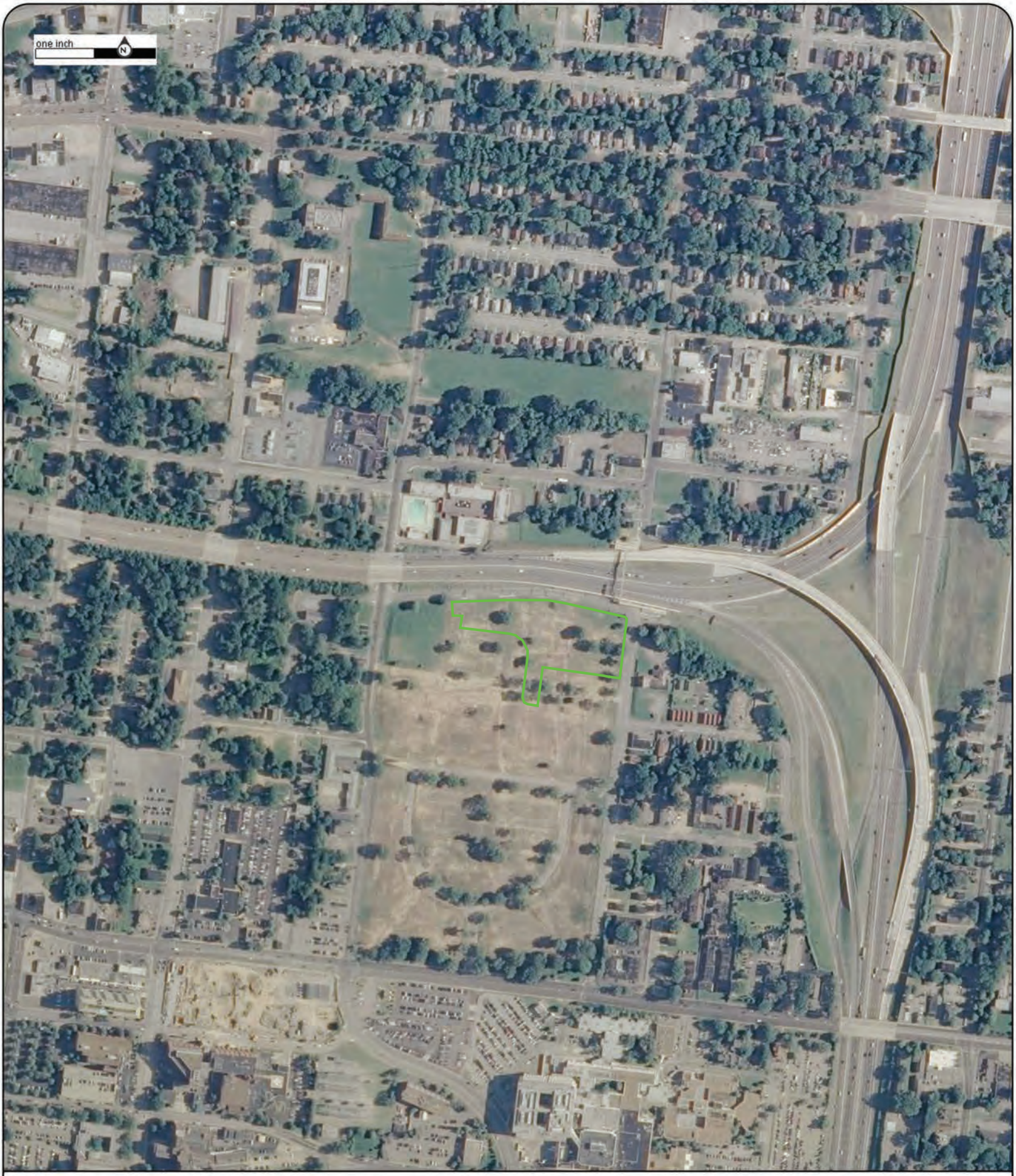
ERIS

Year: 2010
Source: USDA
Scale: 1" = 500'
Comment:

Address: Legends Park - Block A, Memphis, TN
Approx Center: -90.02724027,35.14930744

Order No: 21112200240

ERIS

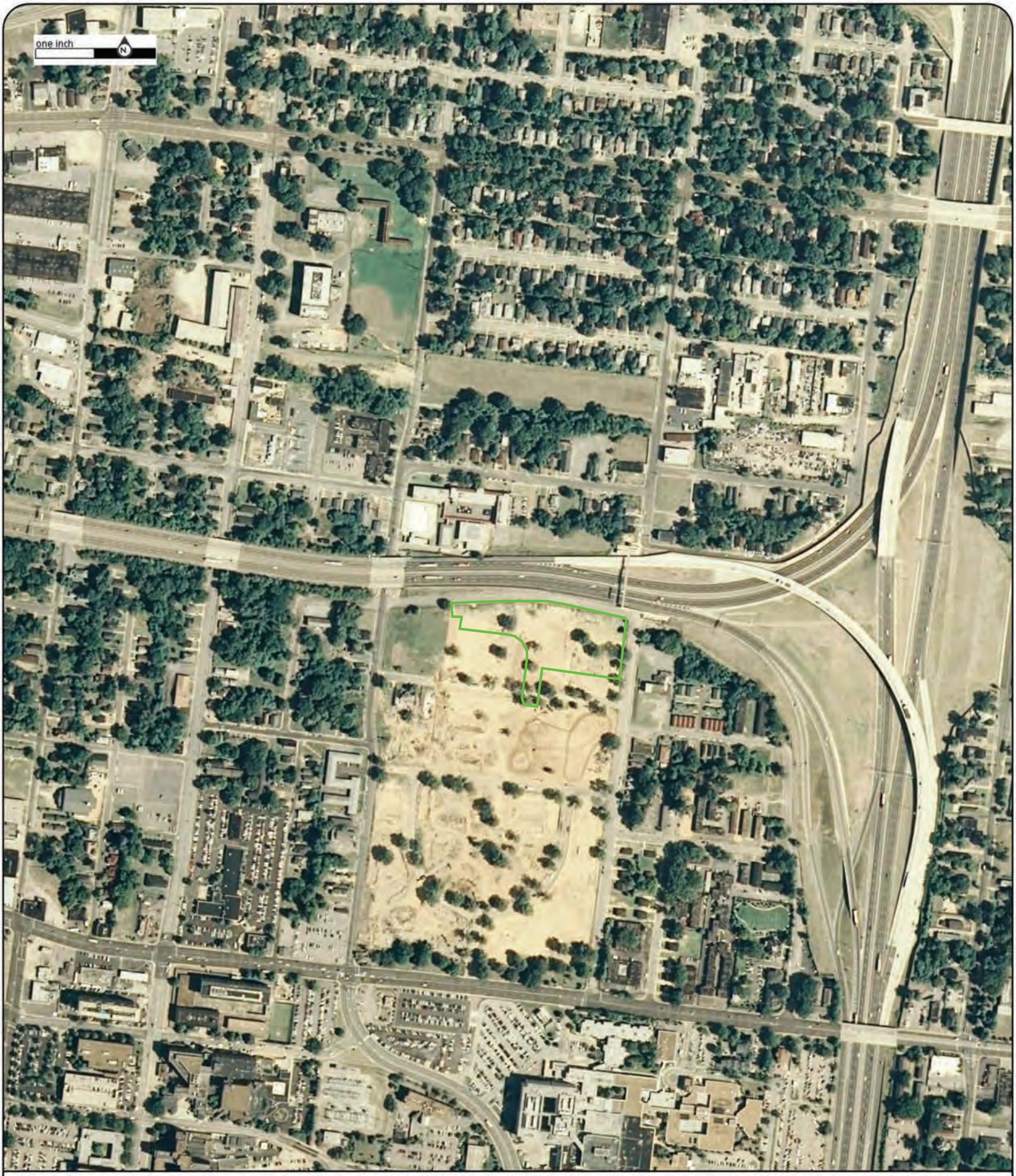


Year: 2008
Source: USDA
Scale: 1" = 500'
Comment:

Address: Legends Park - Block A, Memphis, TN
Approx Center: -90.02724027,35.14930744

Order No: 21112200240

ERIS

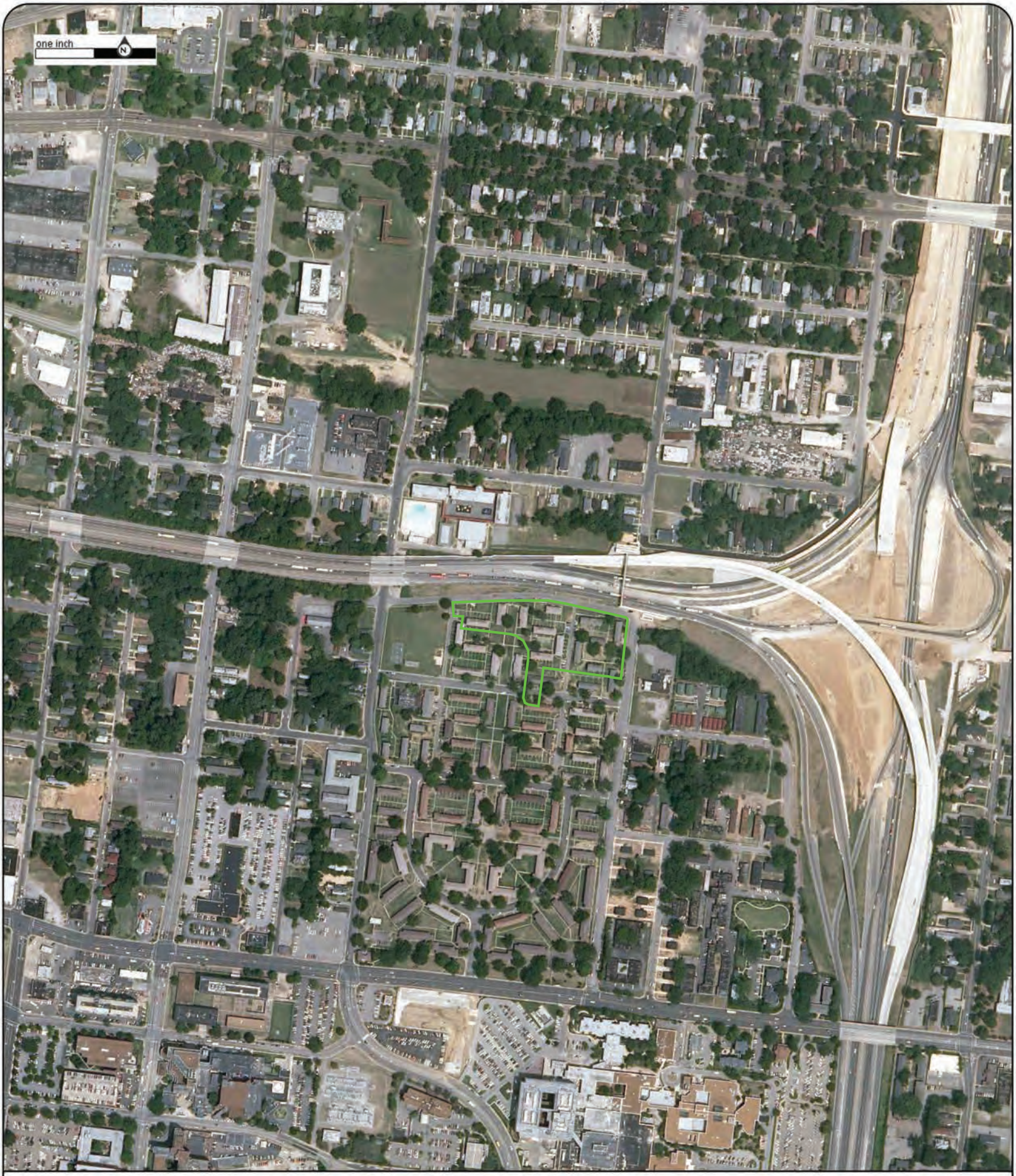


Year: 2007
Source: USDA
Scale: 1" = 500'
Comment:

Address: Legends Park - Block A, Memphis, TN
Approx Center: -90.02724027,35.14930744

Order No: 21112200240

ERIS

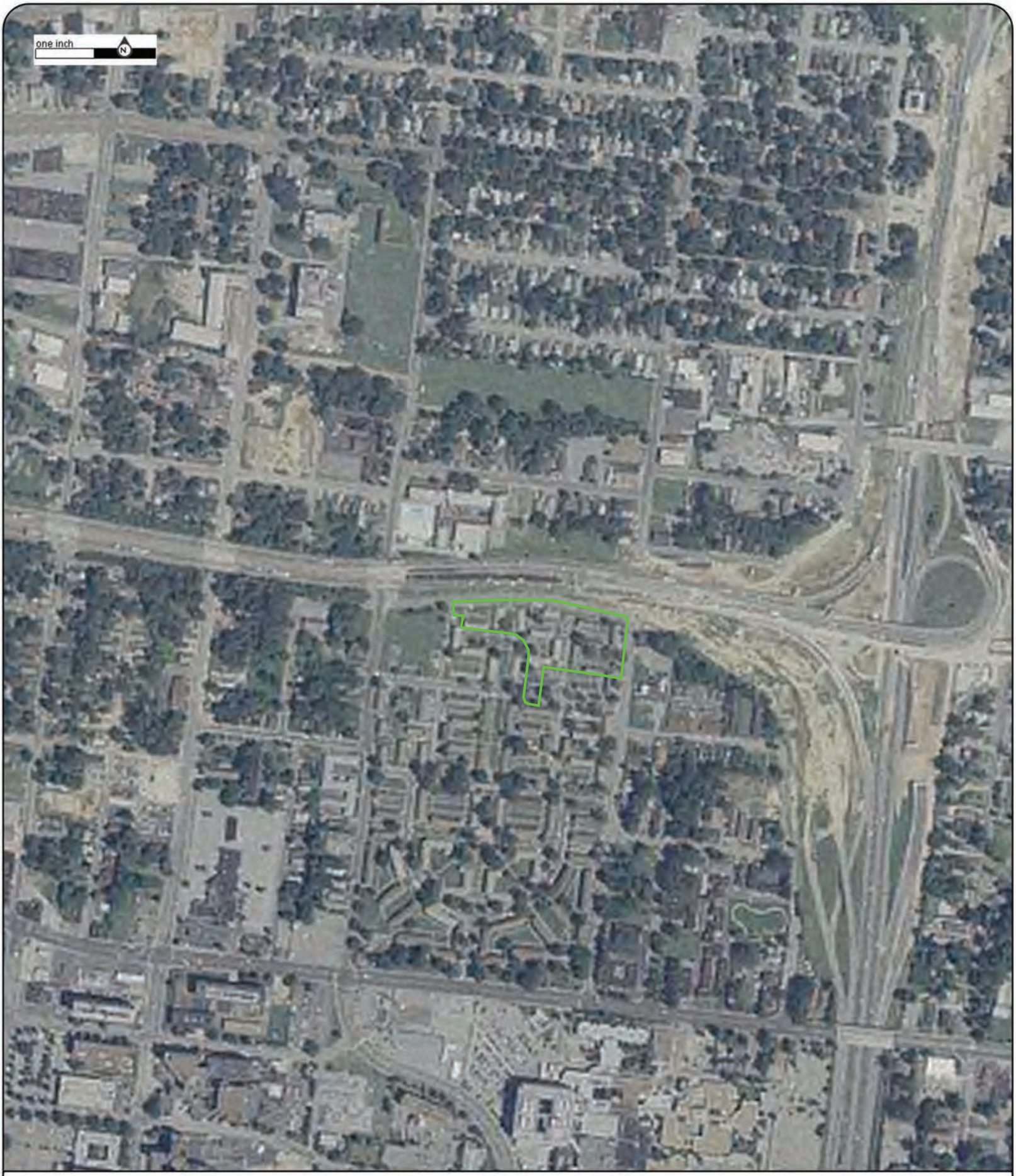


Year: 2006
Source: USDA
Scale: 1" = 500'
Comment:

Address: Legends Park - Block A, Memphis, TN
Approx Center: -90.02724027,35.14930744

Order No: 21112200240

ERIS



Year: 2004
Source: USDA
Scale: 1" = 500'
Comment:

Address: Legends Park - Block A, Memphis, TN
Approx Center: -90.02724027,35.14930744

Order No: 21112200240

ERIS

Year: 1997
Source: USGS
Scale: 1" = 500'
Comment:

Address: Legends Park - Block A, Memphis, TN
Approx Center: -90.02724027,35.14930744

Order No: 21112200240

ERIS

Year: 1990
Source: USGS
Scale: 1" = 500'
Comment:

Address: Legends Park - Block A, Memphis, TN
Approx Center: -90.02724027,35.14930744

Order No: 21112200240

ERIS

Year: 1984
Source: USGS
Scale: 1" = 500'
Comment:

Address: Legends Park - Block A, Memphis, TN
Approx Center: -90.02724027,35.14930744

Order No: 21112200240

ERIS

Year: 1975
Source: USGS
Scale: 1" = 500'
Comment:

Address: Legends Park - Block A, Memphis, TN
Approx Center: -90.02724027,35.14930744

Order No: 21112200240

ERIS

Year: 1973
Source: USGS
Scale: 1" = 500'
Comment:

Address: Legends Park - Block A, Memphis, TN
Approx Center: -90.02724027,35.14930744

Order No: 21112200240

ERIS

Year: 1963
Source: USGS
Scale: 1" = 500'
Comment:

Address: Legends Park - Block A, Memphis, TN
Approx Center: -90.02724027,35.14930744

Order No: 21112200240

ERIS

Year: 1955
Source: USAF
Scale: 1" = 500'
Comment: Best Copy Available

Address: Legends Park - Block A, Memphis, TN
Approx Center: -90.02724027,35.14930744

Order No: 21112200240

ERIS

Year: 1937
Source: ASCS
Scale: 1" = 500'
Comment: Best Copy Available

Address: Legends Park - Block A, Memphis, TN
Approx Center: -90.02724027,35.14930744

Order No: 21112200240

ERIS

FIRE INSURANCE MAPS

Project Property:	Legends Park - Block A Legends Park - Block A Memphis TN
Project No:	0888830988
Requested By:	EnSafe Inc.
Order No:	21112200240
Date Completed:	November 23, 2021

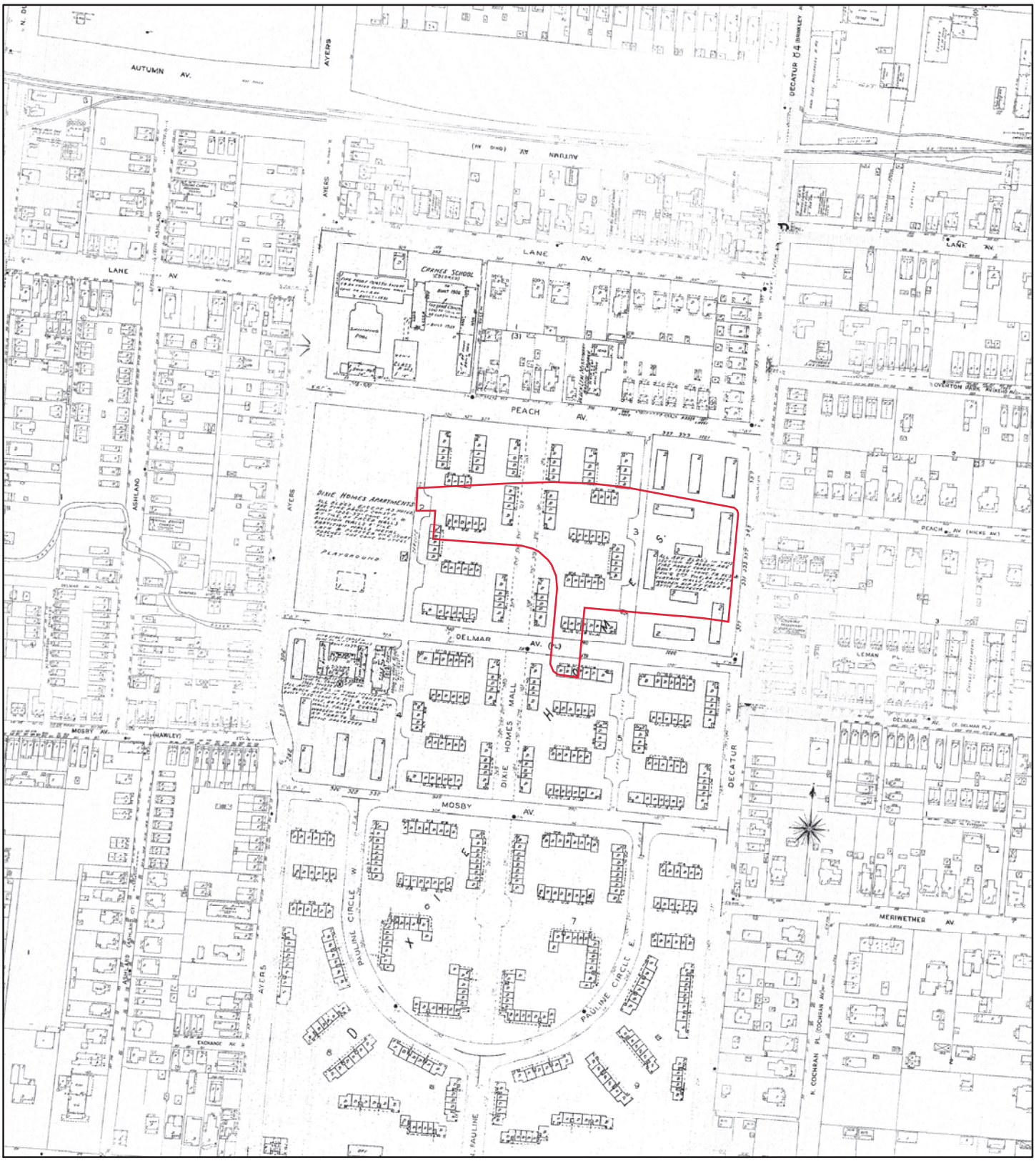
Environmental Risk Information Services
A division of Glacier Media Inc.
1.866.517.5204 | info@erisinfo.com | erisinfo.com

Listed below, please find the results of our search for historic fire insurance maps from our in-house collection, performed in conjuction with your ERIS report.

Date	City	State	Volume	Sheet Number(s)
1952	Memphis	Tennessee	1	77, 78, 79, 81, 84, 85, 87
1951	Memphis	Tennessee	1	77, 78, 79, 81, 84, 85, 87
1907	Memphis	Tennessee	1	77, 78, 79, 81, 82, 83, 84, 85, 87
1897	Memphis	Tennessee	1	67, 68, 69, 70, 72, 82, 83

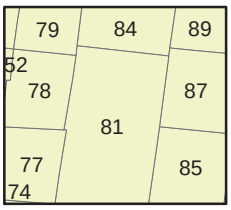
Individual Fire Insurance Maps for the subject property and/or adjacent sites are included with the ERIS environmental database report to be used for research purposes only and cannot be resold for any other commercial uses other than for use in a Phase I environmental assessment.

Fire Insurance Map



1952

Address: Legends Park - Block A Memphis TN



Map sheet(s):
Volume 1: 77,78,79,81,84,85,87;

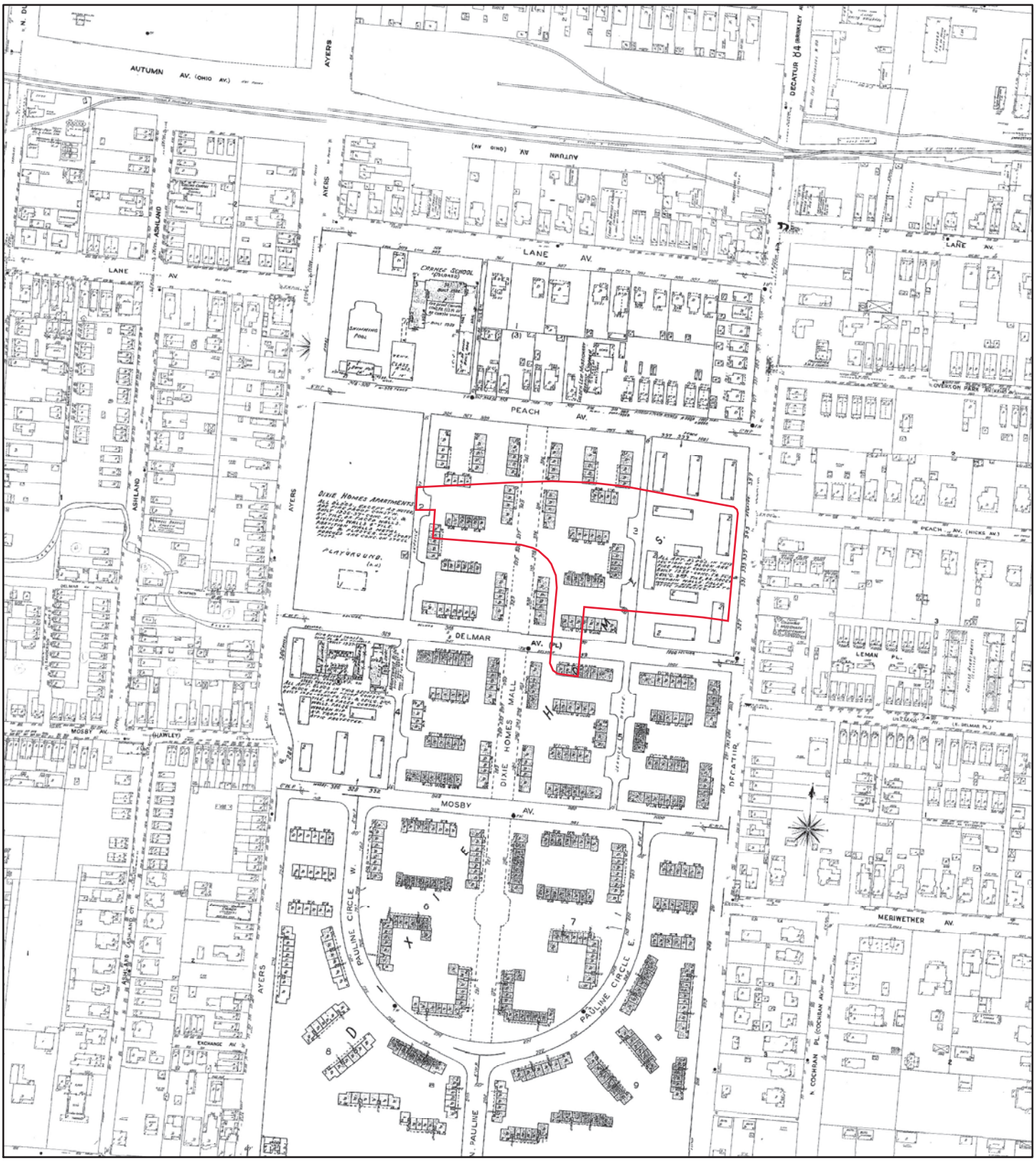
N

0 150 300 600 900 1,200
Feet

Order Number 21112200240

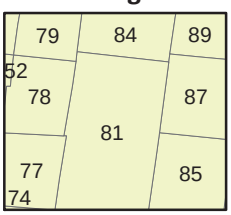
ERIS

Fire Insurance Map



1951

Address: Legends Park - Block A Memphis TN



Map sheet(s):
Volume 1: 77,78,79,81,84,85,87;

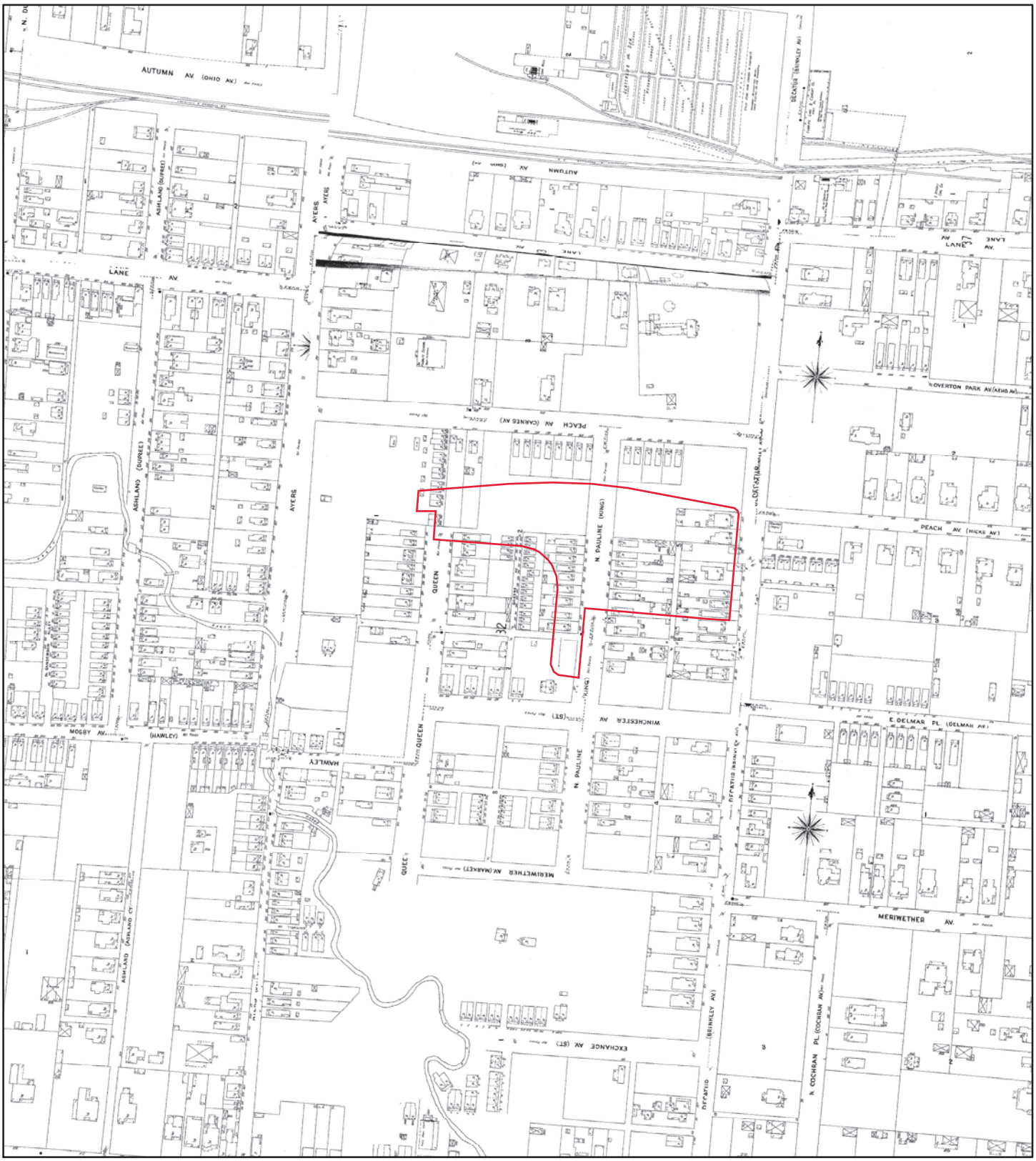
N

0 150 300 600 900 1,200
Feet

Order Number 21112200240

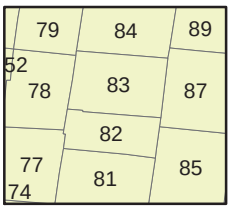
ERIS

Fire Insurance Map



1907

Address: Legends Park - Block A Memphis TN



Map sheet(s):
Volume 1: 77,78,79,81,82,83,84,85,87;

N

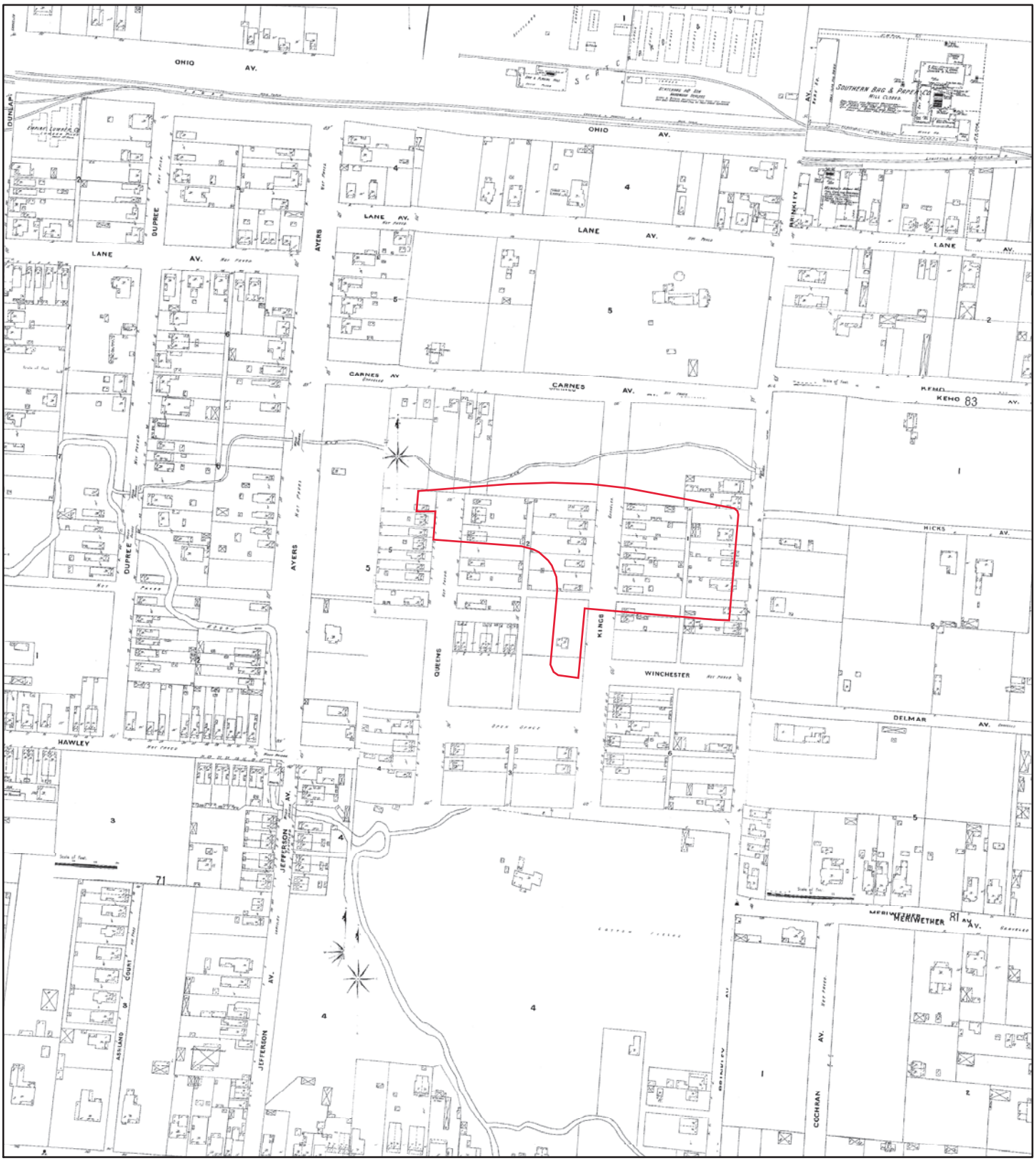
0 150 300 600 900 1,200

Feet

Order Number 21112200240

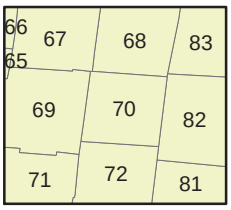
ERIS

Fire Insurance Map



1897

Address: Legends Park - Block A Memphis TN



Map sheet(s):
Volume 1: 67,68,69,70,72,82,83;

N

0 150 300 600 900 1,200
Feet

Order Number 21112200240

ERIS

CITY DIRECTORY

Project Property:	*Legends Park - Block A* *Legends Park - Block A* *Memphis, TN*
Project No:	*0888830988*
Requested By:	*EnSafe Inc.*
Order No:	*21112200240*
Date Completed:	*December 2, 2021*

Environmental Risk Information Services
A division of Glacier Media Inc.
1.866.517.5204 | info@erisinfo.com | erisinfo.com

December 2, 2021
RE: CITY DIRECTORY RESEARCH
Legends Park - Block A
Legends Park - Block A Memphis, TN

Thank you for contac ng ERIS for an City Directory Search for the site described above. Our staff has conducted a reverse lis ng City Directory search to determine prior occupants of the subject site and adjacent proper es. We have provided the nearest addresses(s) when adjacent addresses are not listed. If we have searched a range of addresses, all addresses in that range found in the Directory are included.

Note: Reverse Lis ng Directories generally are focused on more highly developed areas. Newly developed areas may be covered in the more recent years, but the older directories will tend to cover only the "central" parts of the city. To complete the search, we have either u lized the ACPL, Library of Congress, State Archives, and/or a regional library or history center as well as mul ple digi zed directories. These do not claim to be a complete collec on of all reverse lis ng city directories produced.

ERIS has made every effort to provide accurate and complete informa on but shall not be held liable for missing, incomplete or inaccurate informa on. To complete this search we used the general range(s) below to search for relevant findings. If you believe there are addi onal addresses or streets that require searching please contact us at 866-517-5204.

Search Criteria:

700-1200 of Peach Avenue
100-500 of Ayers
100-500 of Decatur

Search Results Summary

Date	Source	Comment
2020	DIGITAL BUSINESS DIRECTORY	
2016	DIGITAL BUSINESS DIRECTORY	
2011	DIGITAL BUSINESS DIRECTORY	
2005	COLE	
2000	COLE	
1995	COLE	
1990	COLE	
1985	COLE	
1980	COLE	
1975	COLE	
1970-71	COLE	
1966	POLKS	
1960-61	DIRECTORY PUBLISHING CO	
1954	DIRECTORY PUBLISHING CO	
1948	POLKS	
1943	POLKS	
1940	POLKS	
1937	SOUTHERN BELL TELEPHONE CO	
1932	SOUTHERN BELL TELEPHONE CO	

211 **R S ERMODELERS INC**...*General Contractors*
245 **EMMANUEL BAPTIST CHURCH**...*Churches*

226 **DEANGLOS CHILD CARE**...*Child Care Service*
262 **DIXIE GRILL DELI**...*Full-service Restaurants*
384 **PROVIDENCE AME CHURCH**...*Churches*
462 **INSULATION REFRACTORIES SVC**...*Insulation Materials-cold & Heat*
462 **INSULATION REFRACTORIES SVC**...*Metal Goodsmanufacturers*
462 **INSULATION & REFRACTORIES SVC**...*Furnacesrepairing & Cleaning*
462 **INSULATION & REFRACTORIES SVC**...*Boilers-repairing & Cleaning*

2020
SOURCE: DIGITAL BUSINESS DIRECTORY

PEACH AVENUE

NO LISTING FOUND FOR THIS YEAR...

2016
SOURCE: DIGITAL BUSINESS DIRECTORY

AYERS

211 **R S ERMODELERS INC**...*General Contractors*
211 **ROSEWOOD RENOVATIONS**...*Home Improvements*
245 **EMMANUEL BAPTIST CHURCH**...*Churches*

2016
SOURCE: DIGITAL BUSINESS DIRECTORY

DECATUR

262 **DIXIE GRILL DELI**...*Full-service Restaurants*
384 **PROVIDENCE AME CHURCH**...*Churches*
456 **WIN WHOLESALE**...*Wholesalers*
462 **INSULATION & REFRACTORIES SVC**...*Boilers-repairing & Cleaning*

2016
SOURCE: DIGITAL BUSINESS DIRECTORY

PEACH AVENUE

NO LISTING FOUND FOR THIS YEAR...

245 **EMMANUEL BAPTIST CHURCH**...*Religious Organization*
319 **BROWNS GROCERY**...*Store Retailers Not Specified Elsewhere*
409 **GEORGE, WILLIAM**...*Religious Organization*
409 **HEGEDUS, STEVEN M MD**...*Offices Of Physicians Except Mental Health*
409 **MID-SOUTH CLINIC**...*Legislative Bodies*
409 **SHELBY COUNTY COMMUNITY SVC**...*Legislative Bodies*
409 **SHELBY COUNTY HEALTH CLINIC**...*Freestanding Emergency Medical Centers*
409 **SHELBY COUNTY RENT & MORTGAGE**...*Legislative Bodies*
409 **SMITH, JERRY MD**...*Offices Of Physicians Except Mental Health*
409 **SOUTH MEMPHIS CLINIC**...*Legislative Bodies*
409 **THOMPSON, DWIGHT E DDS**...*Offices Of Dentists*

262 **LOUIE GROCERY**...*Supermarkets & Other Grocery Stores*
298 **L & L SUPERMARKET**...*Supermarkets & Other Grocery Stores*
324 **COLUMBUS BAPTIST CHURCH**...*Religious Organization*
456 **WIN WHOLESALE**...*Toy & Hobby Goods Merchant Whols*
462 **INSULATION & REFRACTORIES SVC**...*Drywall & Insulation Contrs*
470 **CENTRAL SERVICES**...*Residential Remodelers*

NO LISTING FOUND FOR THIS YEAR...

Mary Pinkley + 901 683 6078
825 NP
830 Paul L Patty 78 901 683 7857
Wilma D Patty 78 901 683 7857
831 Johnathan A Kremser 01 NP
836 Rebecca Louise Duke 99 901 683 1117
849◊ Audrey May Gesting 75 901 761 1917
◊ Wayne Haslen Gesting 75 901 761 1917
850 Kevin W Dunn 00 901 767 7257
855◊ Corne Broughton 99 901 685 7037
◊ Doug M Broughton 99 901 685 7037
880 Robert E Peattie 94 901 766 1698
Whitney R Peattie 94 901 766 1698
888 Mark Brewer + NP
889◊ Nancy D Samuels 88 901 767 1588
894 Donald W Mehring 98 NP
Linda D Mehring 98 NP

VIOLET AVE INTS

915 Charles Jeffrey Adair 94 901 763 1226
Elaine D Adair 94 901 763 1226
★ **Danielle & Friends** 03 **901.763.1226**
916◊ Emma S Walkowiak 86 901 761 3916
924 Sam Dudley 96 901 761 9299
925 Oliver E White Sr 96 NP
939 Rocio Morales + 901 767 3824
941▲ Kimberly F Larroux 01 NP
945 NP
953 Karolyn Troupe + 901 683 9017
965 NP
975 Bridget B Watson 95 NP
Gary M Watson 95 NP
976 Beverly Walker 70 901 763 4373
980 Carole N Hosford 00 901 683 5389
Rusty R Hosford 00 901 683 5389
981 Lorena Lara 02 901 761 1284
Tomas Lara 02 901 761 1284
986◊ Sylvia C Gray 91 NP
991 Laune Jenkins 99 901 680 8105
995◊ Davis Moor Gullett Sr 62 901 685 1282
◊ Larry Wayne Gullett 62 901 685 1282

MACON RD INTS

1018 David N Schultz 77 901 685 5861
Patsy D Schultz 77 901 685 5861
1019◊ Carletta C Smith 68 901 685 5521
◊ Walter E Smith Jr 68 901 685 5521
1026 David Craig 02 NP
Holly Craig 02 NP
1027◊ Sharon G Honeycutt 95 901 685 1541
1030◊ Jason D Pearce 00 901 685 1863
◊ Toscha J Pearce 00 901 685 1863
1035 Elizabeth Ruth Webb 87 NP
James J Webb Jr 87 NP
1036 NP
1043 Arbie Travis Roberts 62 901 685 9877
1047 Chris Lunsford 00 901 374 0813
Linda Lunsford 00 901 374 0813
1048 Lillian M Lloyd 88 901 682 3602
William P Lloyd 88 901 682 3602
1053 Guy Williams 02 NP
P Harold Williams 02 NP
1058 Kenneth A Daniels 99 901 682 5817
Paige Paige Daniels 99 901 682 5817
1063 Isaac Pickle 02 NP
1070 Clara W Luse 84 901 685 8366
1071 Brian K Little 92 901 767 4732
Deanna L Little 92 901 767 4732
162 RESIDENCE 15 BUSINESS

● AVON WOODS CV

CT 86.00 395 - 427 $A

395 - 427 38117

395 Beverly M Allison 82 901 682 9275
Jerry Allison Cpa 82 901 682 9275
403 Lisa R Landman 98 901 680 9988
Michael M Landman 98 901 680 9988
404◊ Thomas L Jackson Jr 77 901 767 6455
409 James C Bunkley 02 901 761 4051
Lisa C Bunkley 02 901 761 4051
415 John Michael Peeler 95 901 683 5883
Melissa Thrasher Peeler 95 901 683 5883
418◊ Beverly A Montgomery 00 901 248 0772
◊ James A Montgomery 00 901 766 2023
419◊ Saundra W Williams 97 901 818 1219
422 Kay A Sneed 93 901 763 2818
Scotty Scott Sneed 93 901 763 2818
423 Melanie T Nelson 82 901 683 7751
Stephen C Nelson 82 901 683 7751
426◊ Duane A Scott 01 901 683 8493
◊ Sarah S Scott 01 901 683 8493
427 Jonathan Edward Lyons 03 901 681 9355
Kathy Kristine Lyons 03 901 681 9355
20 RESIDENCE

● AVONDALE AVE

CT 98.00 4812 - 4841 $D

4812 - 4841 38122

MILSTEAD RD INTS

4812 Earl Earl Sumner 72 NP
Martha O Sumner 72 NP
4815 Albert Wayne Holyfield 04 901 821 0676
Grace Holyfield 04 901 821 0676
4820◊ Chris C Searcy 93 901 684 1643
◊ Sherree L Searcy 93 901 684 1643
4821 Kevin E Moss 86 901 767 1424
Noella Moss 86 901 767 1424
4829 Joan Lunawler 89 NP
4830 Marylynne A Carroll 76 NP
4835▲ F Kapelski + NP
▲ Jack Kapelski + NP
4836 Albert E Page Sr 88 901 763 1139
Albert E Page Agnew 88 901 763 1139
4841◊ Margie Acree 71 901 682 8824
◊ William E Acree Jr 71 901 682 8824
16 RESIDENCE

● AYERS ST

CT 24.00 211 - 598 $E
CT 19.00 E 602 - 934 $E
CT 20.00 O 631 - 971 $E
CT 3.00 1009 - 1166 $E

211 - 598 38105

DELMAR AVE INTS

211 ★▲ **Rosewood Investments Inc** +
Gwendolyn Turner 03 NP
219▲ Raymond L McCluskey 03 901 527 7498
▲ Arthur McDaniel 02 NP

225 **Apartments**
Patty Graham 02 901 526 0483
4 W D Little 01 901 578 8104
4 Wynile D Little Sr 01 901 578 8104
▲ Juanita McClendon 04 901 578 9066
Pearlie Slaughter 02 NP
234 **Apartments**
▲ Paul Alston 02 NP
▲ C Clayborn 01 901 529 8241
C ▲ Archie Davis 98 901 525 2678
▲ April Horton + 901 526 0364
5 Ardella J Miles 00 901 521 8216
5 Jerry Miles Jr 00 901 521 8216
Lashanda Perry 01 901 523 1232
Lashanda Perry 01 901 524 1835
Annie Valentine 04 901 575 9999
Annie Valentine 04 901 522 8746
Emma Wright 00 901 526 4211
245 ★ **Emmanuel Baptist Church** 88 **901.527.3243**
249 **Apartments**
3 Brenda A Brim 99 901 577 0962
3 Doris Brimm 99 901 577 0962
5 Gloria Brown 92 901 525 9043
2 Kimberly A Brown 92 901 526 6841
▲ Michael Edwards 02 NP
250 **Apartments**
▲ Deborah Blevins 03 NP
▲ Delontra Carmichael + 901 521 2760
▲ Delondra Carmicle 03 901 577 0951
C Quintella S Graham 00 901 529 8853
▲ Speedy Kelsey 04 NP
▲ D Morris 02 NP
E Bobbie J Newby 01 NP
▲ Malvin A Perkins 00 NP
252 **Apartments**
▲ Betty Coffee 03 NP
▲ Malvin Jones 00 901 578 3589
A ▲ Irene Moore + 901 523 9631
Wanda Slayton 03 901 526 0289
Wanda Slayton 03 901 528 1861
▲ James White + 901 578 3774
261 **Apartments**
▲ Allen Baldwin 02 NP
▲ Shameska Baldwin 02 NP
3 ▲ Barbie R Barnes + NP
1 Gladys L Barnes 01 901 527 7607
3 ▲ Shelby J Barnes + NP
1 Yancey D Barnes 01 901 527 7607
5 James L Coleman 89 901 529 8453
5 Linda R Coleman 89 901 529 8453
▲ Willie Conley + 901 523 9981
▲ Oscar Finch + 901 528 1772
▲ Archrell Jones + 901 527 1514
▲ Effie Pete + 901 523 2022
21 ▲ Lavester Vance 97 NP
▲ Katherine Verse 02 901 525 3147
▲ Frank Williams 02 NP
274 ▲ Mia Williams 03 NP
275 **Apartments**
▲ Carlowe Allen 02 NP
▲ Deidree Baldwin 03 NP
▲ Dina Burke 02 NP
4H ◊ Claudette Carr 01 NP
▲ Terrence Gordon 01 901 525 3201
15 Dorothy J Jordan 98 901 578 5323
▲ Tara Norry 00 901 527 4545
6 Latrece T Pratcher 01 NP
▲ Bob Ray 01 NP
8 Janette Sanders 01 NP
11 Percy R Smith 02 NP
3 ▲ Cash Williams Jr 92 NP
9 Elton T Williams 01 NP
9 Shirely Williams 01 NP
282 ▲ Ebbie Harris 04 901 578 2940
▲ Angela Watkins 02 NP
292 ▲ James Bolden 95 901 529 9760

PEACH AVE INTS

303 ▲ James Rollins 02 NP
305 NP
306 **Apartments**
A Delta Barnes + 901 526 1661
E Renatta Y Braxton 02 901 578 3751
▲ Carlos Thomas 03 NP
B Kentera Veasley + 901 527 0766
B Kentera Veasley + 901 527 2383
307 Bobby Huang 04 NP
315 ★ **Hunts Beauty Shop** 01 **901.527.0600**
★ **Pats Hair & Design** + **901.384.7196**
319 ★ **Browns Grocery** 90 **901.526.3436**
325 **Apartments**
▲ Tanesha Bonds 01 NP
▲ Jermaine Cathey + 901 529 9744
▲ Eunice Cathy 04 901 523 9292
▲ Faith McClinton + 901 521 4712
▲ Pamela Mitchell 01 NP
2 Ebony Thomas + 901 523 9256
3 Nancy C Willis 93 901 528 1624
331 NP
333 Tyrone Hawkins 98 NP
379 Tarvis Burks 88 901 525 5876

FORREST AVE INTS

409 ★ **Collins Chapel Hospital** 79 **901.523.0312**
★ **Mid South Family Healthcare** 99
412 424 NP
426 Jim Banks 84 901 525 6924

FAXON AVE INTS

593 **Apartments**
▲ Thomas Gran + 901 526 0383
▲ B Lewis + 901 523 1340
2 Larry Loveless + 901 522 2617
3 Pauline Perkins 98 901 521 8272
▲ Reginald Porter 02 NP
▲ Johnny Rice 03 NP
598 ▲ Linda Mason + 901 523 9566

602 - 1166 38107

ORPHANAGE AVE INTS

602 NP
631 Jennifer Moore 01 901 578 9374
638 ▲ Andrew Ramsey 02 NP
646 Rebecca Alexander 02 NP
650 Mack Rogers 01 901 527 2603
652 Robert Rogers 98 NP
656½ James E Hines 01 901 578 7923
656½ Richard Hines 01 901 578 7923
662 Robert Payne 95 901 575 9958
William Feo Payne Jr 95 901 575 9958
668 NP
674 Tarquisha Suggs 03 901 578 2656
Toye Suggs 03 901 577 1497
675 Helen M Taylor 99 901 525 4850
680 Everlean B Branch 04 901 526 4604
James B Branch Jr 04 901 526 4604
685 ▲ Sandra Kimmons + 901 529 9260
686 Mary F Kirkwood 99 901 529 8428
692 Catherine Rawlings 94 901 527 4259

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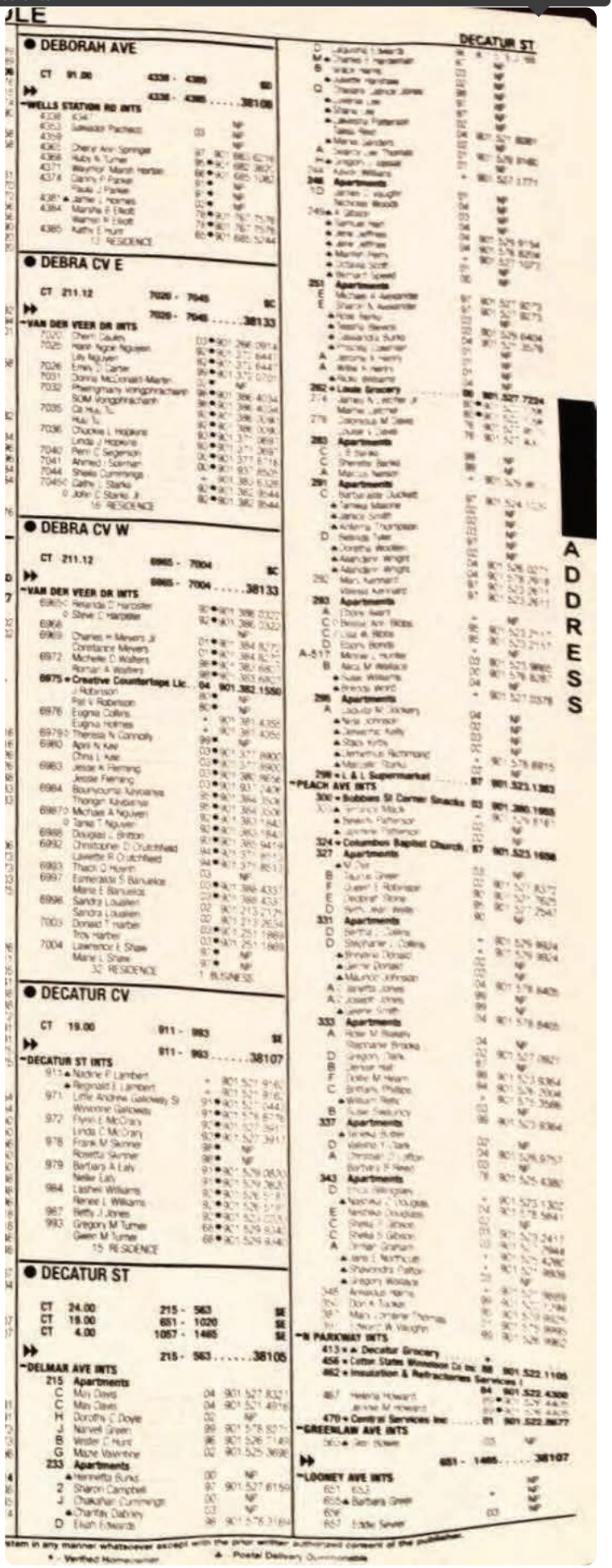

DEBORAH AVE

CT 91.00 4338 - 4385 SE

4338 - 4385 38108

WELLS STATION RD INTS

4338 4341 Salvador Pacheco 03 NP
4353 Cheryl Ann Springer 97 901 665 6719
4359 Ruby N Turner 96 901 682 3807
4363 Waynnor Marsh Horton 86 901 685 1082
4371 Danny P Parker 91 NP
4374 Paula J Parker 91 NP
4381 ▲ Jamie L Holmes 03 NP
4384 Marsha E Elliott 78 901 767 7578
Warren R Elliott 78 901 767 7578
4385 Kathy E Hurst 82 901 685 5244
13 RESIDENCE

DEBRA CV E

CT 211.12 7020 - 7045 SC

7020 - 7045 38133

VAN DER VEER DR INTS

7020 Chen Cauley 03 901 396 0914
7025 Hanh Ngoc Nguyen 90 901 377 6441
Lily Nguyen 90 901 377 6441
7026 Emily C Carter 96 901 372 0701
7031 Donna McDaniel-Martin 04 NP
7032 Phearngmany Vongphrachanh 96 901 396 4034
SOM Vongphrachanh 96 901 396 4034
7035 Ga Hua Tic 90 901 396 3098
Hua Tic 90 901 396 3098
7036 Chuckie L Hopkins 90 901 396 0098
Linda J Hopkins 90 901 377 0691
7040 Perri C Segerson 04 901 371 2691
7041 Ahmed I Soeman 04 901 377 8716
7044 Sheila Cummings 03 901 937 8529
7045 Cathy L Starks 82 901 380 6328
John C Starks Jr 82 901 382 8644
16 RESIDENCE

DEBRA CV W

CT 211.12 6965 - 7004 SC

6965 - 7004 38133

VAN DER VEER DR INTS

6965 Rolanda C Hardster 90 901 396 2322
Steve C Hardster 92 901 396 2322
6968 90 NP
6969 Charles H Meyers Jr 01 901 384 8270
Constance Meyers 01 901 384 8270
6972 Michelle D Walters 96 901 685 6803
Roman A Walters 96 901 383 6803
6975 ● Creative Countertops Llc 04 901 382 1550
J Robinson 96 NP
Pat V Robinson 96 NP
6976 Eugina Collins 03 NP
Eugina Holmes 901 381 4355
6979 Theresa N Connolly 901 381 4355
6980 April N Kee 90 NP
Chris L Kee 03 901 377 6800
6983 Jesse A Fleming 03 901 377 6800
Jesse Fleming 03 901 380 9656
6984 Bounvoma Xayavanis 03 901 93 7409
Thongsi Xayavanis 90 901 384 3508
6987 Michael A Nguyen 90 901 384 3508
Tanai T Nguyen 90 901 383 1642
6988 Douglas L Britton 90 901 383 1642
6992 Christopher D Crutchfield 90 901 385 9419
Lavette R Crutchfield 90 901 377 8513
6993 Thach D Hoang 03 NP
6997 Esmeralda S Banuelos 03 901 377 8513
Marie E Banuelos 03 901 386 4331
6998 Sandra Louallen 02 901 386 4331
Sandra Louallen 02 901 213 2124
7003 Donald T Harber 02 901 213 2124
Troy Harber 03 901 251 1869
7004 Lawrence E Shaw 03 901 251 1869
Marie L Shaw 90 NP
32 RESIDENCE 1 BUSINESS

DECATUR CV

CT 19.00 911 - 983 SE

911 - 983 38107

DECATUR ST INTS

911 ▲ Nadine F Lambert 901 521 9165
▲ Reginald E Lambert 901 521 9165
971 Little Andrew Gatewalk St 91 901 521 0441
Yvonne Gallowes 91 901 521 0441
972 Flynn E McCrary 91 901 576 6778
Linda C McCrary 90 901 527 3911
978 Frank M Skinner 98 NP
Rosetta Skinner 98 NP
979 Bartiary A Lahi 91 901 529 0830
Nellie Lahi 91 901 529 2830
984 Lashei Williams 92 901 526 5181
Renee L Williams 92 901 526 5181
987 Betty J Jones 92 901 523 0203
993 Gregory M Turner 68 901 529 9345
Gwen M Turner 68 901 529 9345
15 RESIDENCE

DECATUR ST

CT 24.00 215 - 563 SE
CT 19.00 651 - 1020 SE
CT 4.00 1057 - 1485 SE

215 - 563 38105

DELMAR AVE INTS

215 Apartments
C Mia Davis 04 901 527 8321
C Mia Davis 04 901 521 4816
H Dorothy C Doyle 02 NP
J Nanvell Green 89 901 576 8573
B Wester C Hunt 86 901 526 7149
G Maze Valentine 02 901 525 3698
233 Apartments
▲ Henrietta Burks 00 NP
2 Sharon Campbell 97 901 527 8159
J Chauthan Cummings 00 NP
▲ Charlay Dabney 03 NP
D Ekah Edwards 96 901 576 3164

DECATUR ST

ADDRESS

PARKWAY INTS

413 ▲ Decatur Grocery
456 Cotton States Wholesale Co Inc 88 901 522 1105
462 Insulation & Refractories Services I
867 Helena Howard 04 901 522 4300
Jennie M Howard
470 Centrol Services Inc 01 901 522 8677

GREENLAW AVE INTS

651 - 1485 38107

LOONEY AVE INTS

651 653
655 ▲ Barbara Green 03 NP
657 Eddie Sewell

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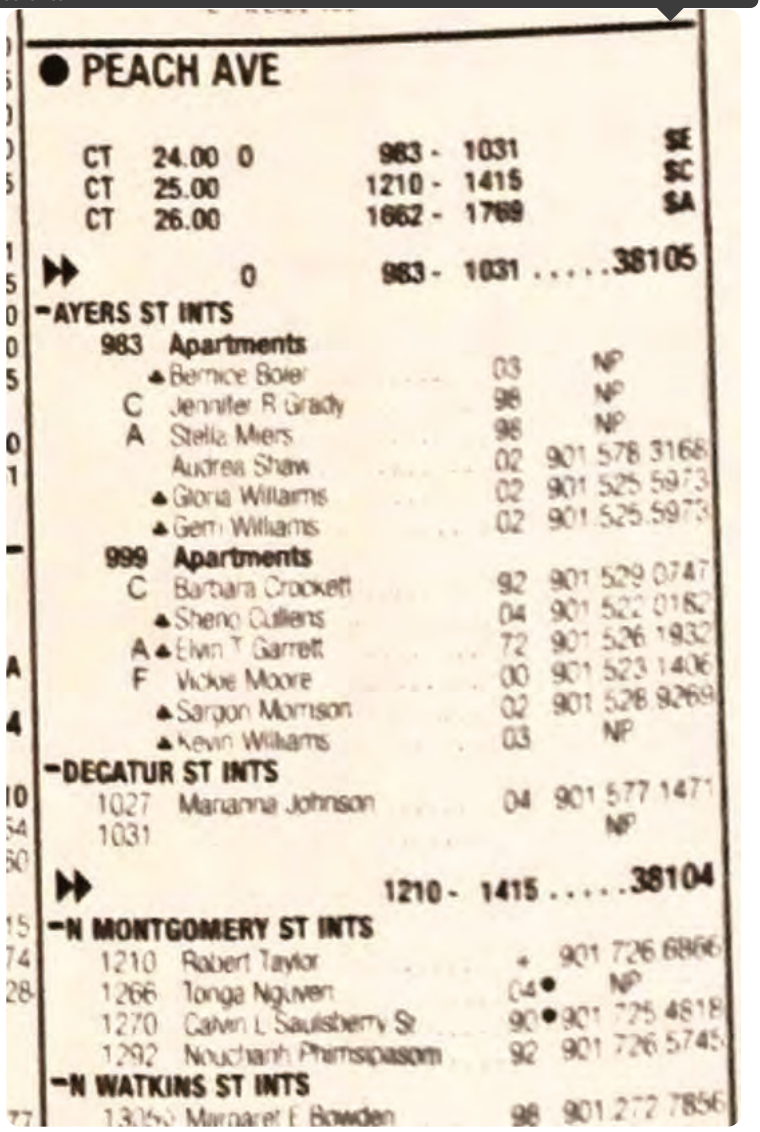

PEACH AVE

CT 24.00 0 983 - 1031 SE
CT 25.00 1210 - 1415 SC
CT 26.00 1662 - 1769 SA

0 983 - 1031 38105

AYERS ST INTS

983 Apartments
▲ Bernice Boler 03 NP
C Jennifer R Grady 98 NP
A Stella Myers 98 NP
Audrea Shaw 02 901 578 3168
▲ Gloria Williams 02 901 525 5973
▲ Gerri Williams 02 901 525 5973

999 Apartments
C Barbara Crockett 92 901 529 0747
▲ Sheno Quillens 04 901 522 0182
A ▲ Elvin T Garrett 72 901 526 1932
F Vickie Moore 00 901 523 1406
▲ Sargon Morrison 02 901 528 9269
▲ Kevin Williams 03 NP

DECATUR ST INTS

1027 Marianna Johnson 04 901 577 1471
1031 NP

1210 - 1415 38104

N MONTGOMERY ST INTS

1210 Robert Taylor ▲ 901 726 6866
1266 Tonga Nguyen 04 ● NP
1270 Calvin L Saulsberry Sr 90 ● 901 725 4818
1292 Nouchanh Phamsipasom 92 901 726 5745

N WATKINS ST INTS

1305 Margaret E Bowden 98 901 272 7856

AVON RD

38122

695 ★ Action Corner .92 901-680-9423
698 Eric E Farmer .94 901-683-1368
— TUTWILER AVE INTS
714 Walter W Gould Jr .87 901-683-4588
724 C M Shaw .95 • 901-767-7385
725 Omer Tucker .65 901-685-7303
730 Matt Cordner .98 • 901-818-9543
731 Robert Deaville .H 901-767-8272
740 NP
— BOWEN AVE INTS
741 Dwight T Hale .H • 901-374-9541
750 NP
759 Larry D Harber .97 901-821-0638
769 NP
777 Ben Stamford .95 • 901-681-9464
780 Harry A McLeod .55 • 901-685-1716
785 B F Martin . • 901-685-9793
792 Pstr C A Coleman .94 901-681-9508
Pstr C A Coleman .96 • 901-767-8399
★ Oasis Ch God In .95 901-681-9508
795 Apartments
M Edwin A Deas .87 • 901-767-4723
Melinda Deas .98 901-767-5440
804 807 813 NP
819 Andrew N Nabors .78 • 901-683-7093
820 Sam Barsanti .57 • 901-685-6696
825 Sam Lamberth . 901-818-9574
830 Paul Patey .84 • 901-683-7857
831 NP
— LYNN AVE INTS
— MARCEL AVE INTS
836 A A Massa .67 • 901-683-8939
Cheryl Massa .97 901-685-2903
849 Wayne Gestring .H • 901-818-0814
Wayne H Gestring .91 901-761-1917
850 NP
855 Doug Broughton .H 901-685-7037
— OWEN RD INTS
880 Robert Peattie .98 • 901-766-1698
888 M Horton .98 • 901-763-4510
889 N D Samuels .89 • 901-767-1588
894 NP
— DURBIN AVE INTS
915 Franklin R Miller . • 901-685-6818
916 E S Walkowiak .88 • 901-761-3916
924 Sam Okelley .98 901-761-9299
925 Andrew Jones . • 901-761-0120
— GIVEN AVE INTS
939 Rod Smith .98 • 901-818-0729
945 Kieran OHagan . 901-761-1106
— VIOLET AVE INTS
953 NP
965 C W Nichols .84 • 901-683-1614
975 976 NP
980 A L Dunning .69 • 901-685-8316
981 David C Fulton .55 • 901-685-0093
986 NP
991 Robert Paeschke .97 • 901-683-9876
995 Davis M Gullett .62 • 901-685-1282
— MACON RD INTS
1018 David N Schultz .56 • 901-685-5861
1019 W E Smith Jr .69 • 901-685-5642
1026 NP
1027 Richard Honeycutt .98 • 901-763-1373
1030 Jimmy Jordan .92 • 901-682-5965
1035 NP
1036 S S Moore .94 • 901-761-7997
1042 John W Countess .73 • 901-683-1371
1043 A T Roberts .59 • 901-685-9877
1047 NP
1048 W P Lloyd .89 • 901-682-3602
1053 NP
1058 Page Daniels .H 901-682-5817
1063 P A Daniels .96 • 901-682-2316
1070 Kenneth M Luse .55 • 901-685-8366
1071 Brian Little .93 • 901-767-4732
131 RESIDENCE 14 BUSINESS

AVON WOODS CV 38117
New Street-1978
300- 499 CT 85 $A..D20
● HANDY MAP LOC M 39-B
395 Jerry Allison Cpa .79 • 901-682-9275
403 NP
404 Thos L Jackson Jr .86 • 901-767-6455
409 Jim Wages .88 • 901-682-0148
415 NP
418 George Steffens .91 • 901-761-1819
419 Carl R Williams . 901-818-1219
422 Scotty Snead .94 • 901-763-2818
423 Stephen C Nelson .83 • 901-683-7751
426 D A Thornton Atty . • 901-685-6825
427 NP
11 RESIDENCE

AYERS ST 38105
From 914 Poplar Ave N
100- 611 CT 24 $E..D15
600- 611 CT 24 $E..D15
O 613- 985 CT 20 $E..C14
E 614- 986 CT 19 $E..C15
987- 1199 CT 3 $E..B14
● HANDY MAP LOC M 20-L,P
● HANDY MAP LOC M 29-C,G,L,P
203 205 207 209 NP
211 Howard Kelsie .86 • 901-526-8742
217 NP
219 Apartments
Larry Batts .98 901-527-8569
½ Bobbi Brazen .H 901-578-8283
221 NP
225 Apartments
4 Viola Armstrong .95 901-525-0545
Carpenter Warren .79 901-526-7080
233 NP
— EXCHANGE AVE INTS
234 Garry F Burnett .H 901-578-9383
Carlton Campbell .H 901-526-3922
Carrie L Davis . 901-525-2678
Kim R McWilliams .H 901-525-6863
Asta Pamoore . 901-526-6119
Natasha Williams .H 901-525-2258
235 NP
245 ★ Emmanuel Bapt Ch 901-527-3243
— MOSBY AVE INTS
249 Brenda Bell .98 901-527-0701
Brenda Brim .H 901-578-4527
C Forrest . 901-525-6505
Verretta Houston .H 901-522-8770
250 Deborah Brown . 901-523-1943
Ronald Leavy .H 901-578-5677
Arnata Wrigley .H 901-578-7584

252 NP
261 Apartments
20 Elma Clark .72 901-526-5766
Linda R Coleman .H 901-529-8453
Sherine Felix .H 901-578-7798
25 Barbara L Green .98 901-523-7946
Luther Hall .H 901-529-1390
Bobbie Newby .H 901-523-9786
26 Annie Shine .83 901-523-2948
Lavester Vance .97 901-529-1343
Lashunda Willis .H 901-529-1218
275 Apartments
Christey Braden .98 901-579-9400
Jeremias Cruz . 901-529-1814
16 Charles E Deener .70 901-526-5624
1 A O Dunlap .80 901-529-8884
Luther M Hill .H 901-526-7090
Prince Jones .H 901-578-5847
Dorothy Jordan .H 901-578-5323
Kelly Sanders .H 901-526-4881
Cash Williams Jr .H 901-521-0033
282 Labrigette Adams .H 901-527-8612
292 301 303 NP
305 Bernice Taylor .71 • 901-523-7176
306 Raynard Parks .98 901-526-9669
Melissa Smith . 901-525-8346
307 NP
315 ★ Hunts Beauty Shop 73 901-527-0600
317 ★ Braswells Styl Shp 81 901-527-6167
319 ★ Browns Grocery .91 901-526-3436
— PEACH AVE INTS
325 Apartments
Kenneth Waller .H 901-527-5985
J Nancy Wills .94 901-528-1624
329 331 333 335 NP
337 341 373 NP
379 Tarves Burks .92 • 901-525-5876
383 NP
— JW WILLIAMS LN INTS
— LANE AVE INTS
409 ★ Shelby Co Govt .96 901-523-7518
★ Shelby Co Govt .96 901-523-7551
★ Shelby Co Govt WIC . 901-525-4426
★ Collins Cpl Hosp 901-523-0312
★ Mid-S Fmly Hlth .91 901-525-4395
★ Mid-S Fmly Hlth .H 901-544-7982
412 414 424 NP
426 Jim Banks .91 901-525-6924
— GALLOWAY AVE INTS
— FORREST AVE INTS
— FAXON AVE INTS

● 38107
602 630 638 640 NP
642 644 646 NP
— JACKSON AVE INTS
— ORPHANAGE AVE INTS
— BARGIN PL INTS
650 Barbra A Turner .70 • 901-523-2834
652 Edna Fletcher .91 • 901-525-8545
Ronnie Fletcher .93 901-528-9793
658 660 NP
662 R M Payne .96 • 901-523-7504
664 666 NP
668 Florida Reynolds .93 • 901-523-7672
669 670 672 NP
674 Cecelia A Steele .93 • 901-527-8759
675 676 678 680 NP
682 684 NP
685 Geneva Kendell .98 • 901-523-8587
686 691 NP
692 Catherine Rawlings .95 901-527-4259
693 Shirley M White .96 • 901-525-6658
694 695 NP
696 Ruby Lee . • 901-529-9920
697 698 699 700 NP
701 702 703 705 NP
706 708 NP
711 Perry Watson Jr . • 901-578-5681
712 713 715 NP
716 Christine Jackson .95 • 901-522-0049
717 NP
718 Vanessa Gray .97 901-526-2896
724 Litton Davidson .98 901-527-6611
727 Celia Harvey .98 901-527-7390
728 Gladys Neal .74 • 901-525-4836
— CRUMP CT INTS
734 James P Ivy .75 • 901-527-1497
— LOONEY AVE INTS
752 758 NP
759 Dorothy Cartwright .96 • 901-525-4020
762 763 NP
767 Emma Golden .82 • 901-527-7057
768 Henry R Allen .84 • 901-526-4317
769 772 775 NP
777 Michael D Morrow .97 • 901-521-9773
778 Alberta Burt .94 901-527-8161
779 Mary D Cole .62 • 901-526-1672
781 Sara F Brown .63 901-527-0883
782 NP
784 A Baskerville .H 901-522-1755
785 786 NP
— GRIFFITH AVE INTS
788 NP
— KEEL AVE INTS
791 ★ Ayers Grocery .96 901-529-9929
794 795 NP
799 Alice Watkins .95 901-526-4856
800 NP
802 Donald Donaldson .H 901-529-8754
805 NP
809 Alice Watkins .64 • 901-527-0516
Luther Watkins .64 901-527-0516
815 NP
819 Jesse J Grandberry .69 • 901-525-3482
823 Jerrold Irvin . 901-529-9232
825 Linda R Polk .H 901-529-0512
826 Lewis Maxwell .78 901-525-4316
827 Fred Polk .83 901-526-0341
829 832 834 NP
835 Johnnie M Lester .68 • 901-526-2208
838 840 843 844 NP
845 W Burton .98 901-526-2551
Washington Burton .89 901-523-2381
846 847 NP
— LEON PL INTS
848 849 NP
855 N Leavy .98 • 901-526-9673
858 ★ Ayers Street Ch God 91 901-525-5054
859 Willard Ayers .96 901-525-1399
860 NP
863 Lonshan Ferrell .79 • 901-522-1681
864 865 870 NP
871 Martha L Davis .97 901-522-8560

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DECATUR ST

3180 Mary Benson .97 • 901-358-
— DEBBY CV INTS
3186 NP
3190 Catrice D Porter .98 • 901-354-
3200 NP
3210 Raymond Reynolds .94 • 901-358-
3211 Maynne S Brown .89 • 901-358-
Michael Brown .92 901-358-
3217 NP
3219 Peter D Beaver Sr .67 • 901-357-
3220 3235 3240 NP
3245 Delouse M Price .H 901-357-
— NUNNELEE AVE INTS
— SANDPIPER AVE INTS
3251 NP
3277 Carolyn Boyd . 901-358-
3278 NP
3280 ★ MCA Mtg Corp Amer .H 901-352-
3283 3290 NP
3291 T M Cummings .82 901-357-
3297 Billy H Brown .67 • 901-358-
3298 3303 NP
3307 Steven Chambers . • 901-358-
3308 Moenecia Miller .H 901-353-
3314 3321 3324 NP
3331 M Thomas .98 • 901-357-
3337 Nicholas Gardner .98 • 901-351-
3338 NP
3346 Tonya L Dickson .90 • 901-358-
3347 Leon Robinson .62 • 901-357-
3358 NP
3370 Barry C Richenback .94 • 901-352-
— HARGROVE AVE INTS
3380 Daisy F Berryhill .79 • 901-352-
3381 Carl M Hood .91 • 901-353-
3390 Brandon Walker .98 • 901-353-
Brian Walker .98 901-358-
3391 Rodney L Daniels .H 901-353-
52 RESIDENCE 2 BUSINESS

DEB DR 38127
New Street-1974
Pvt Dr-Frayser Manor Apts-913
Frayser Blvd
800- 999 CT 99 $E..D
● HANDY MAP LOC M 7-L
887 NP
891 Tracy Rainey . 901-358-
902 Jennifer Kirk .98 901-358-
906 Apartments
1 Mary Thigpen .90 901-357-
915 NP
— BRAD DR INTS
— PAT DR INTS
925 NP
929 Apartments
1 P W Beam .90 901-351-
D Hasler .H 901-353-
935 Apartments
1 Sharon Benton .H 901-357-
939 Lamekia R Hopkins .H 901-353-
Sandra McCray .H 901-357-
11 RESIDENCE

DEBORAH AVE 38108
From 1677 Wells Sta Rd E
4300- 4499 CT 91 $D..B2
● HANDY MAP LOC M 24-E
4337 Bernice M Jones .94 901-683-
4338 Rob Harden .H 901-818-
4343 Paul M Bourque .86 • 901-761-
4347 Teresa Brazier .98 • 901-685-
— WEINER RD INTS
4353 4359 4365 NP
4368 Ruby Shouk .87 • 901-682-
4371 Waymon Horton .71 • 901-685-
4375 Carolyn Leonard .93 • 901-682-
4381 D Green .98 • 901-767-
4384 Warren Elliott .79 • 901-767-
4385 Freeman S Hunt .66 • 901-685-
13 RESIDENCE

DECATUR CV 38101
New Street-1992
900- 999 CT 19 $E..C15
● HANDY MAP LOC M 28-D
971 Little A Galloway .92 • 901-527-
972 Linda Cain .92 • 901-527-
978 Jacqueline Todd .98 • 901-527-
979 Nellie Ealy .97 • 901-529-
984 NP
987 Betty Jones .98 • 901-523-
990 Rosie Stokes .93 • 901-527-
993 G L Turner .93 • 901-529-
8 RESIDENCE

DECATUR ST 38105
From 1116 Washington Ave N
100- 598 CT 24 $E..D15
600- 608 CT 19 $E..C15
609- 628 CT 24 $E..D15
629- 1038 CT 19 $E..C15
1039- 1499 CT 4 $E..B15
● HANDY MAP LOC M 20-H,M,R
● HANDY MAP LOC M 28-D,H
Mary Hopkins .96 901-526-
— POPLAR AVE INTS
215 Apartments
Narvel Green .H 901-578-
John B Hunt .97 901-526-
Ruby N McKinney .97 901-526-
A Willie M Morehead .97 901-527-
Frank L Vaughns .H 901-524-
230 ★ Mosbys Olv Bty Shp 901-525-
— MOSBY AVE INTS
233 Apartments
Tamika Davis .H 901-578-
Charles Hardeman .98 901-523-
Tony Hollis .97 901-527-
Tandra Johnson .H 901-523-
Alexandria Morris .98 901-526-
Mary Perrow .98 901-522-
Lonell Weeks .H 901-522-
A Flonnie Wilson .97 901-523-
236 242 246 NP
249 Lakrita Gill .97 901-526-
Vernita Harper .H 901-529-
— MERRIWETHER AVE INTS
251 Mildred Rogers .H 901-578-
262 ★ Louie Grocery .82 901-527-
270 James M Franklin .85 • 901-526-
274 Geraldine Lebron .65 • 901-523-

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DECATUR ST

38105

278 Louise Davis .H 901-527-4003
Louise Davis .83 901-527-9579
283 NP
289 Ethel R Hooks .66 • 901-523-2296
290 Henry Woods .H 901-521-7108
291 Apartments
Quita Blackburn .H 901-523-8275
C B Duckett .97 901-524-1039
Stephanie Love .97 901-525-8099
Shawn Taylor .97 901-527-5952
Belinda Tyler .97 901-526-9951
292 NP
293 Apartments
Bessie A Bibbs .96 901-523-2117
C Charlotte F Branch .H 901-578-9237
295 Tonya L Albright .98 901-572-7283
L Dean .98 901-527-6526
D L Sturdivant . 901-525-1394
296 Ida Thompson .81 • 901-525-9872
298 ★ L & L Supermarket 94 901-523-1383
300 ★ Turning Pt Snack .98 901-578-3913
303 Apartments
E Bernice Connor .97 901-579-9705
— DELMAR AVE INTS
310 312 314 320 NP
322 NP
324 ★ Columbus Bapt Ch 901-523-1656
— PEACH AVE INTS
327 Renee Gunter .H 901-521-6827
Betty J Wells .91 901-527-4641
328 NP
331 Judith E Dobbs .H 901-527-6759
Jolie A Henry .98 901-578-7261
332 NP
333 Apartments
D Gregory Clark .87 901-527-3726
F Dollie M Hearn .94 901-526-2004
C Debra L Johnson .93 901-525-5141
A Susie Swaincy .90 901-523-9364
Annie P Thompson .H 901-527-3592
334 NP
337 Apartments
C Barbara Reed .90 901-525-4380
343 Apartments
C Myrtis L Causey .90 901-526-0720
Ethel L Williams . 901-524-1064
346 348 NP
350 Debbie Simms .H 901-525-2149
376 381 383 NP
384 ★ Providence AME Ch 901-523-1248
387 T L Gooch .97 901-524-0805
390 NP
391 Edward Vaughn .H 901-526-9962
395 NP
397 Pearlie Collin .H 901-527-1525
— LANE AVE INTS
— JW WILLIAMS LN INTS
456 ★ Cotton St Wnnlsn 901-522-1105
462 ★ Insltn&Rfrctrs .97 901-522-4300
★ Insltn&Rfrctrs .92 901-523-2284
467 Jennie Howard .95 • 901-526-4405
— GALLOWAY AVE INTS
— FORREST AVE INTS
— FAXON AVE INTS
— GREENLAW AVE INTS

● 38107
643 644 645 647 NP
648 NP
651 Felicia M Williams .H 901-523-1315
653 Joe Raines .H 901-522-1679
655 NP
656 ODella Jones .72 901-525-1929
657 NP
659 Nora Bolar .64 • 901-523-0377
660 Tommy L Davis .96 901-524-0714
661 Clarence Hobson .97 • 901-522-1183
665 Eric Ragland .88 • 901-526-8749
Peggie Ragland .62 901-523-1708
666 Aaron Burrows .62 • 901-525-3071
669 Louise Jackson .97 • 901-525-9862
— JACKSON AVE INTS
670 Erma Jones .98 901-526-5092
675 677 NP
678 Melvin Bratcher .93 • 901-526-9373
683 684 687 NP
688 Ruby J Thompson .87 • 901-523-2083
691 NP
692 Daisy M Miller . 901-527-5941
695 696 NP
700 Georgia M Mosley .76 • 901-526-5471
— DECATUR CV INTS
— LAGRANGE AVE INTS
701 704 706 707 NP
709 710 NP
712 Jewell Sims .78 901-523-0383
Leslie Sims .70 901-523-0383
713 715 NP
715 George Campbell .98 • 901-526-2027
717 NP
718 Linda Jackson .93 • 901-527-3717
721 724 725 NP
726 Roosevelt Dobson . • 901-527-3675
727 729 NP
730 Alice Coleman .H 901-578-7190
735 Barbara Williams .96 • 901-527-7419
741 742 743 NP
— LOONEY AVE INTS
751 James A King .90 901-523-2059
755 NP
— KEEL AVE INTS
763 Apartments
12 Dons Amosteng .97 901-522-8591
Pamela D Galloway .98 901-572-7114
Stevelt Rollen .98 901-526-0073
Yvonne Williams .98 901-522-8460
Rosie Williamson . 901-529-1408
770 779 NP
780 ★ Memphis Cty Schls 85 901-579-3212
782 NP
783 B Doggett .H 901-527-8204
785 NP
787 T Moss .H 901-527-9290
808 809 NP
815 Christine Ray .H • 901-578-8893
829 ★ Greater Blh Lnd .98 901-523-1232
832 Vivian Scott . 901-527-9115
837 NP
841 Louise Wright .79 • 901-523-2829
844 Nytrica Jones .96 901-527-6264
Laora Person .98 901-527-5151
Tamera S Taylor .H 901-523-1616
845 NP

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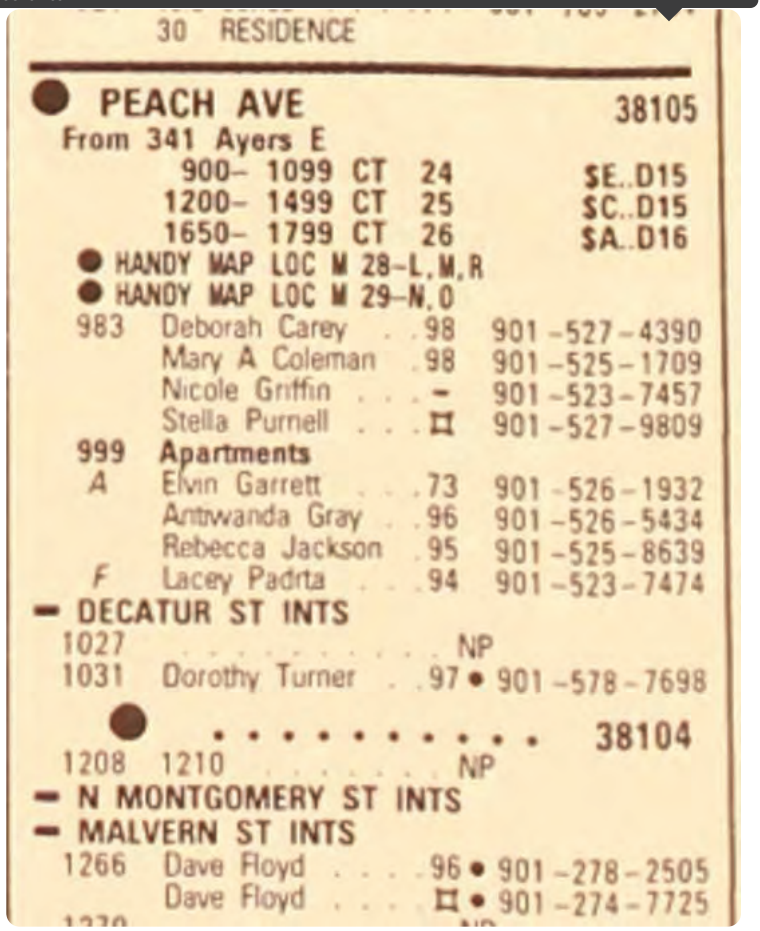


30 RESIDENCE

PEACH AVE 38105

From 341 Ayers E

900– 1099 CT 24 $E..D15
1200– 1499 CT 25 $C..D15
1650– 1799 CT 26 $A..D16

HANDY MAP LOC M 28–L,M,R
HANDY MAP LOC M 29–N,O

983 Deborah Carey . . 98 901-527-4390
Mary A Coleman . 98 901-525-1709
Nicole Griffin . . . – 901-523-7457
Stella Purnell . . . ⌗ 901-527-9809

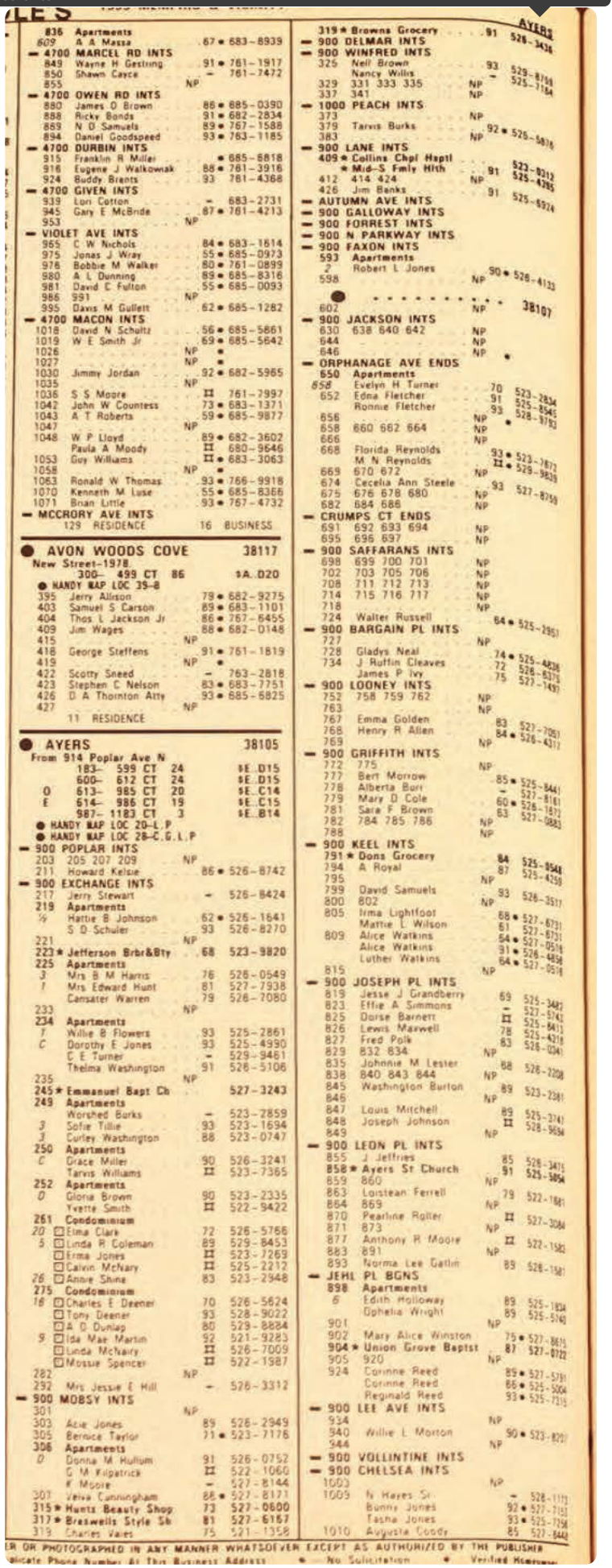
999 Apartments
A Elvin Garrett . . . 73 901-526-1932
Antwanda Gray . 96 901-526-5434
Rebecca Jackson . 95 901-525-8639
F Lacey Padrta . . . 94 901-523-7474

– DECATUR ST INTS
1027 . . . . . NP
1031 Dorothy Turner . . 97 • 901-578-7698

• 38104
1208 1210 . . . . . NP

– N MONTGOMERY ST INTS
– MALVERN ST INTS
1266 Dave Floyd . . . 96 • 901-278-2505
Dave Floyd . . . ⌗ • 901-274-7725

1995 *SOURCE: COLE* — **AYERS**



836 **Apartments**
609 A A Massa . 67 • 683-8939
– 4700 **MARCEL RD INTS**
849 Wayne H Gesting . 91 • 781-1917
850 Shawn Cayce . – 761-7472
855 NP
– 4700 **OWEN RD INTS**
880 James O Brown . 86 • 685-0390
888 Ricky Bonds . 91 • 682-2834
889 N D Samuels . 89 • 767-1588
894 Daniel Goodspeed . 93 • 763-1185
– 4700 **DURBIN INTS**
915 Franklin R Miller . • 685-6818
916 Eugene J Walkowiak . 88 • 761-3916
924 Buddy Brants . 93 761-4368
– 4700 **GIVEN INTS**
939 Lori Cotton . – 683-2731
945 Gary E McBride . 87 • 761-4213
953 NP
– **VIOLET AVE INTS**
965 C W Nichols . 84 • 683-1614
975 Jonas J Wray . 55 • 685-0973
976 Bobbie M Walker . 80 • 761-0899
980 A L Dunning . 89 • 685-8316
981 David C Fulton . 55 • 685-0093
986 991 NP
995 Davis M Gullett . 62 • 685-1282
– 4700 **MACON INTS**
1018 David N Schultz . 56 • 685-5861
1019 W E Smith Jr . 69 • 685-5642
1026 NP •
1027 NP •
1030 Jimmy Jordan . 92 • 682-5985
1035 NP
1036 S S Moore . ⌗ 761-7997
1042 John W Countess . 73 • 683-1371
1043 A T Roberts . 59 • 685-9877
1047 NP
1048 W P Lloyd . 89 • 682-3602
Paula A Moody . ⌗ 680-9646
1053 Guy Williams . ⌗ • 683-3063
1058 NP •
1063 Ronald W Thomas . 93 • 766-9918
1070 Kenneth M Luse . 55 • 685-8366
1071 Brian Little . 93 • 767-4732
– **MCCRORY AVE INTS**
129 RESIDENCE 16 BUSINESS

AVON WOODS COVE 38117

New Street–1978.
300– 499 CT 86 $A..D20
HANDY MAP LOC 39–B
395 Jerry Allison . 78 • 682-9275
403 Samuel S Carson . 89 • 683-1101
404 Thos L Jackson Jr . 86 • 767-6455
409 Jim Wages . 88 • 682-0148
415 NP
418 George Steffens . 91 • 761-1819
419 NP •
422 Scotty Sneed . – 763-2818
423 Stephen C Nelson . 83 • 683-7751
426 D A Thornton Atty . 93 • 685-6825
427 NP
11 RESIDENCE

AYERS 38105

From 914 Poplar Ave N
183– 599 CT 24 $E..D15
600– 612 CT 24 $E..D15
O 613– 985 CT 20 $E..C14
E 614– 986 CT 19 $E..C15
987– 1183 CT 3 $E..B14
HANDY MAP LOC 20–L,P
HANDY MAP LOC 28–C,G,L,P
– 900 **POPLAR INTS**
203 205 207 209 NP
211 Howard Kelsie . 86 • 526-8742
– 900 **EXCHANGE INTS**
217 Jerry Stewart . – 526-8424
219 **Apartments**
½ Hattie B Johnson . 62 • 526-1641
S D Schuler . 93 526-8270
221 NP
223★ **Jefferson Brbr&Bty** . 68 523-9820
225 **Apartments**
3 Mrs B M Harris . 76 526-0549
1 Mrs Edward Hunt . 81 527-7938
Carnsater Warren . 79 526-7080
233 NP
234 **Apartments**
1 Willie B Flowers . 93 525-2861
C Dorothy E Jones . 93 525-4990
C E Turner . – 529-9481
Thelma Washington . 91 526-5106
235 NP
245★ **Emmanuel Bapt Ch** . 527-3243
249 **Apartments**
Worshed Burks . – 523-2859
3 Sofie Tillie . 93 523-1694
3 Curley Washington . 88 523-0747
250 **Apartments**
C Grace Miller . 90 526-3241
Tarvis Williams . ⌗ 523-7365
252 **Apartments**
D Gloria Brown . 90 523-2335
Yvette Smith . ⌗ 522-9422
261 **Condominium**
20 ☐ Elma Clark . 72 526-5766
5 ☐ Linda R Coleman . 89 529-8453
☐ Erma Jones . ⌗ 523-7269
☐ Calvin McNary . ⌗ 525-2212
26 ☐ Annie Shine . 83 523-2948
275 **Condominium**
18 ☐ Charles E Deener . 70 526-5624
☐ Tony Deener . 93 528-9022
☐ A D Dunlap . 80 529-8884
9 ☐ Ida Mae Martin . 92 521-9283
☐ Linda McNairy . ⌗ 526-7009
☐ Mossie Spencer . ⌗ 522-1987
282 NP
292 Mrs Jessie E Hill . – 526-3312
– 900 **MOBSY INTS**
301 NP
303 Acie Jones . 89 526-2949
305 Bernice Taylor . 71 • 523-7176
306 **Apartments**
D Donna M Hullum . 91 526-0752
C M Kilpatrick . ⌗ 522-1060
F Moore . – 527-8144
307 Velva Cunningham . 86 • 527-8171
315★ **Hunts Beauty Shop** . 73 527-0600
317★ **Braswells Style Sh** . 81 527-6167
319 Charles Vales . 75 521-1358

319★ **Browns Grocery** . 91 526-3436
– 900 **DELMAR INTS**
– 900 **WINFRED INTS**
325 Nell Brown . 93 529-8769
Nancy Willis . – 525-7184
329 331 333 335 NP
337 341 NP
– 1000 **PEACH INTS**
373 NP
379 Tarvis Burks . 92 • 525-5876
383 NP
– 900 **LANE INTS**
409★ **Collins Chpl Hsptl** . 523-0312
★ **Mid-S Fmly Hlth** . 91 525-4295
412 414 424 NP
426 Jim Banks . 91 525-6924
– **AUTUMN AVE INTS**
– 900 **GALLOWAY INTS**
– 900 **FORREST INTS**
– 900 **N PARKWAY INTS**
– 900 **FAXON INTS**
593 **Apartments**
2 Robert L Jones . 90 • 526-4133
598 NP
• 38107
602 NP
– 900 **JACKSON INTS**
630 638 640 642 NP
644 NP
646 NP •
– **ORPHANAGE AVE ENDS**
650 **Apartments**
858 Evelyn H Turner . 70 523-2834
652 Edna Fletcher . 91 525-8545
Ronnie Fletcher . 93 528-9793
656 NP •
658 660 662 664 NP
666 NP
668 Florida Reynolds . 93 • 523-7872
M N Reynolds . ⌗ • 529-9839
669 670 672 NP
674 Cecelia Ann Steele . 93 527-8759
675 676 678 680 NP
682 684 686 NP
– **CRUMPS CT ENDS**
691 692 693 694 NP
695 696 697 NP
– 900 **SAFFARANS INTS**
698 699 700 701 NP
702 703 705 706 NP
708 711 712 713 NP
714 715 716 717 NP
718 NP
724 Walter Russell . 64 • 525-2951
– 900 **BARGAIN PL INTS**
727 NP
728 Gladys Neal . 74 • 525-4836
734 J Ruffin Cleaves . 72 526-6376
James P Ivy . 75 527-1497
– 900 **LOONEY INTS**
752 758 759 762 NP
763 NP
767 Emma Golden . 83 527-7051
768 Henry R Allen . 84 • 526-4317
769 NP
– 900 **GRIFFITH INTS**
772 775 NP
777 Bert Morrow . 85 • 525-8441
778 Alberta Burr . – 527-8181
779 Mary D Cole . 60 • 526-1672
781 Sara F Brown . 63 527-0883
782 784 785 786 NP
788 NP
– 900 **KEEL INTS**
791★ **Dons Grocery** . 84 525-9548
794 A Royal . 87 525-4259
795 NP
799 David Samuels . 93 526-3517
800 802 NP
805 Irma Lightfoot . 88 • 527-6731
Mattie L Wilson . 61 527-6731
809 Alice Watkins . 54 • 527-0518
Alice Watkins . 91 • 526-4858
Luther Watkins . 64 • 527-0518
815 NP
– 900 **JOSEPH PL INTS**
819 Jesse J Grandberry . 69 525-3487
823 Effie A Simmons . – 527-5743
825 Dorse Barnett . ⌗ 525-8413
826 Lewis Maxwell . 78 525-4218
827 Fred Polk . 63 526-0341
829 832 834 NP
835 Johnnie M Lester . 68 526-2208
838 840 843 844 NP
845 Washington Burton . 89 523-2381
846 NP
847 Louis Mitchell . 89 525-3741
848 Joseph Johnson . ⌗ 528-9654
849 NP
– 900 **LEON PL INTS**
855 J Jeffries . 85 528-3476
858★ **Ayers St Church** . 91 525-5854
859 860 NP
863 Loistean Ferrell . 79 522-1861
864 869 NP
870 Pearline Roller . ⌗ 527-3084
871 873 NP
877 Anthony R Moore . ⌗ 522-1582
883 891 NP
893 Norma Lee Gatlin . 89 526-1581
– **JEHL PL BGNS**
898 **Apartments**
6 Edith Holloway . 89 525-1834
Ophelia Wright . 89 525-5743
901 NP
902 Mary Alice Winston . 75 • 527-8615
904★ **Union Grove Baptst** . 87 527-0722
905 920 NP
924 Corinne Reed . 89 • 527-5791
Corinne Reed . 86 • 525-5004
Reginald Reed . 93 • 525-7215
– 900 **LEE AVE INTS**
934 NP
940 Willie L Morton . 90 • 523-8201
944 NP
– 900 **VOLLINTINE INTS**
– 900 **CHELSEA INTS**
1003 NP
1009 N Hayes St . – 528-1171
Bunny Jones . 92 • 527-7153
Tasha Jones . 93 • 525-7258
1010 Augusta Coody . 85 527-8448

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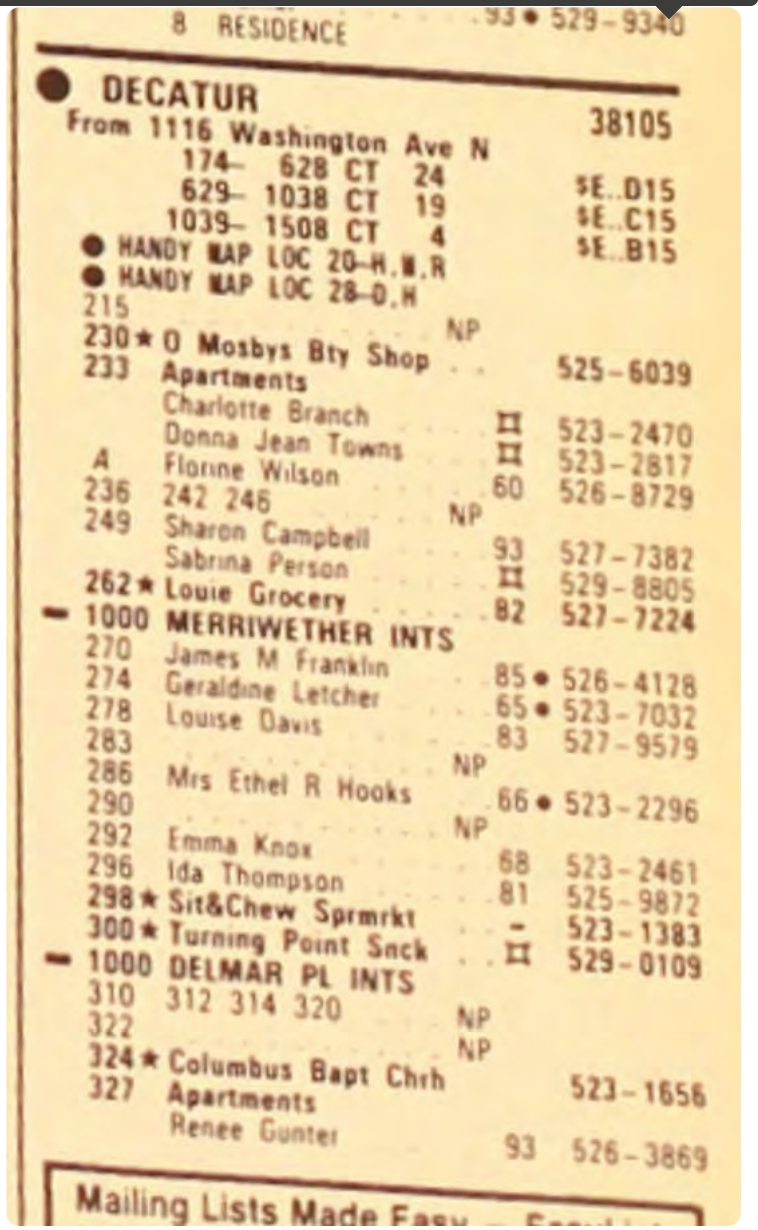
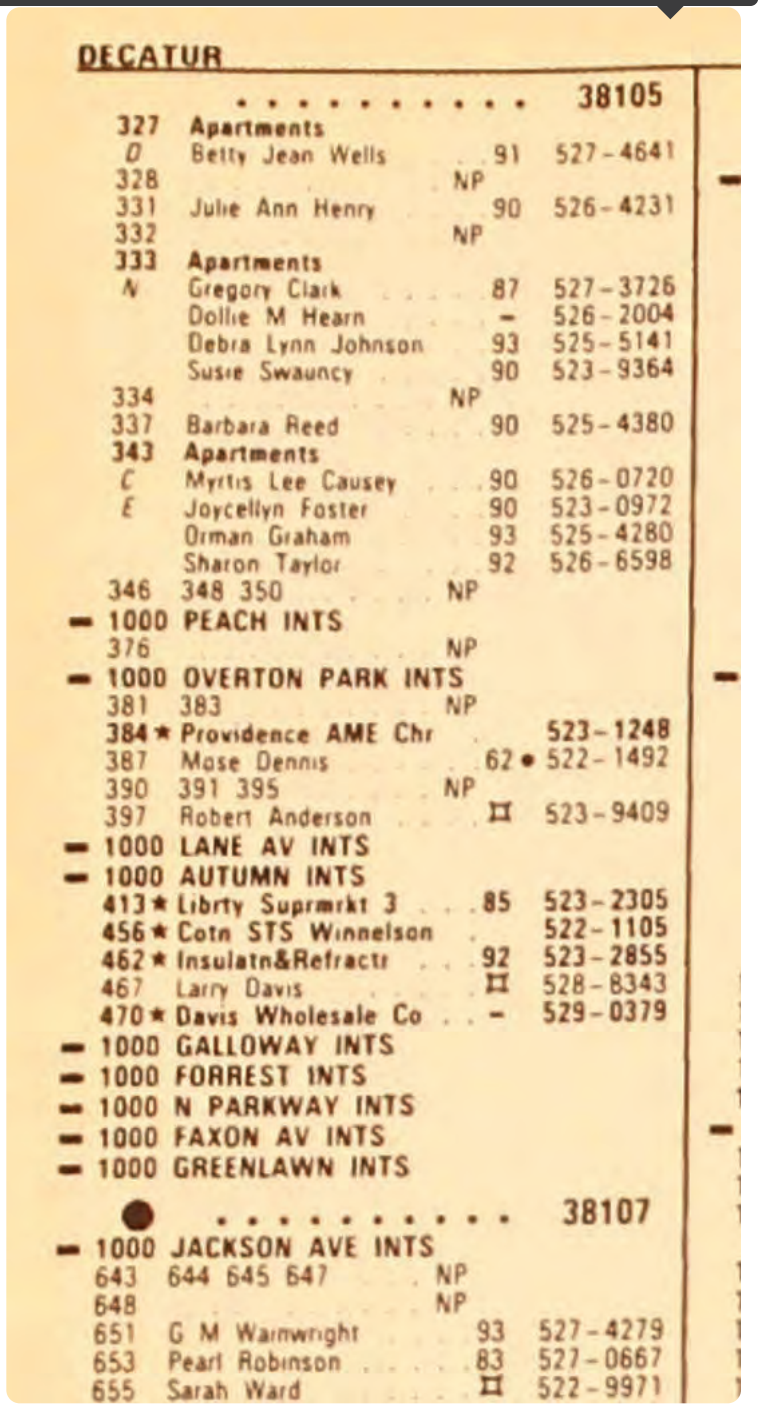


8 RESIDENCE 93 • 529-9340

DECATUR 38105

From 1116 Washington Ave N
174– 628 CT 24 $E..D15
629– 1038 CT 19 $E..C15
1039– 1508 CT 4 $E..B15
• HANDY MAP LOC 20-H.M.R
• HANDY MAP LOC 28-D.H
215 NP
230 ★ O Mosbys Bty Shop 525-6039
233 Apartments
Charlotte Branch ⌗ 523-2470
Donna Jean Towns ⌗ 523-2817
A Florine Wilson 60 526-8729
236 242 246 NP
249 Sharon Campbell 93 527-7382
Sabrina Person ⌗ 529-8805
262 ★ Louie Grocery 82 527-7224
– 1000 MERRIWETHER INTS
270 James M Franklin 85 • 526-4128
274 Geraldine Letcher 65 • 523-7032
278 Louise Davis 83 527-9579
283 NP
286 Mrs Ethel R Hooks 66 • 523-2296
290 NP
292 Emma Knox 68 523-2461
296 Ida Thompson 81 525-9872
298 ★ Sit&Chew Sprmrkt – 523-1383
300 ★ Turning Point Snck ⌗ 529-0109
– 1000 DELMAR PL INTS
310 312 314 320 NP
322 NP
324 ★ Columbus Bapt Chrh 523-1656
327 Apartments
Renee Gunter 93 526-3869

Mailing Lists Made Easy



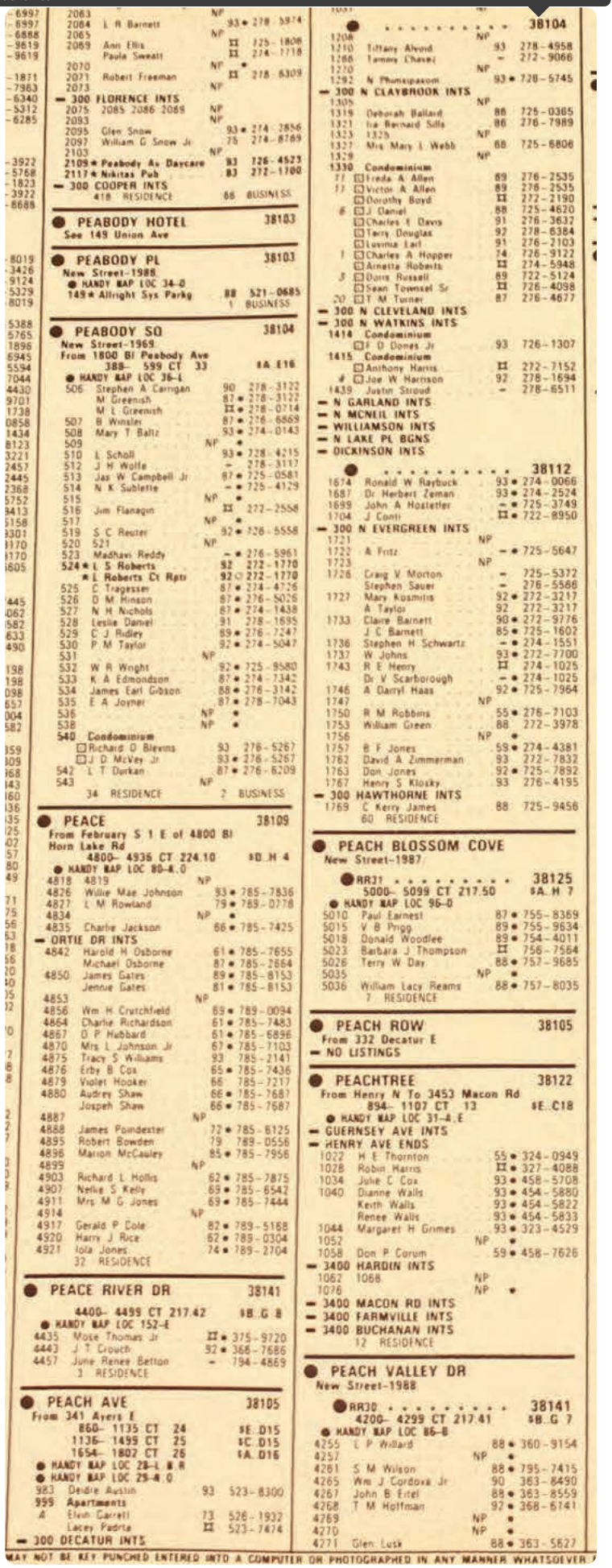
DECATUR

38105

327 Apartments
D Betty Jean Wells 91 527-4641
328 NP
331 Julie Ann Henry 90 526-4231
332 NP
333 Apartments
N Gregory Clark 87 527-3726
Dollie M Hearn – 526-2004
Debra Lynn Johnson 93 525-5141
Susie Swauncy 90 523-9364
334 NP
337 Barbara Reed 90 525-4380
343 Apartments
C Myrtis Lee Causey 90 526-0720
E Joycellyn Foster 90 523-0972
Orman Graham 93 525-4280
Sharon Taylor 92 526-6598
346 348 350 NP
– 1000 PEACH INTS
376 NP
– 1000 OVERTON PARK INTS
381 383 NP
384 ★ Providence AME Chr 523-1248
387 Mose Dennis 62 • 522-1492
390 391 395 NP
397 Robert Anderson ⌗ 523-9409
– 1000 LANE AV INTS
– 1000 AUTUMN INTS
413 ★ Librty Suprmrkt 3 85 523-2305
456 ★ Cotn STS Winnelson 522-1105
462 ★ Insulatn&Refractr 92 523-2855
467 Larry Davis ⌗ 528-8343
470 ★ Davis Wholesale Co – 529-0379
– 1000 GALLOWAY INTS
– 1000 FORREST INTS
– 1000 N PARKWAY INTS
– 1000 FAXON AV INTS
– 1000 GREENLAWN INTS

38107

– 1000 JACKSON AVE INTS
643 644 645 647 NP
648 NP
651 G M Warnwright 93 527-4279
653 Pearl Robinson 83 527-0667
655 Sarah Ward ⌗ 522-9971



2063 NP
2084 L R Barnett 93 • 278-3974
2065 NP
2069 Ann Ellis H 725-1808
Paula Sweatt H 274-1718
2070 NP •
2071 Robert Freeman H 278-6309
2073 NP
— 300 FLORENCE INTS
2075 2085 2086 2089 NP
2093 NP
2095 Glen Snow 93 • 274-2856
2097 William G Snow Jr 75 274-8789
2103 NP
2109 • Peabody Av Daycare 83 726-4523
2117 • Nikitas Pub 83 272-1700
— 300 COOPER INTS
418 RESIDENCE 88 BUSINESS

PEABODY HOTEL 38103
See 149 Union Ave

PEABODY PL 38103
New Street-1988
● HANDY MAP LOC 34-D
149 • Allright Sys Parkg 88 521-0685
1 BUSINESS

PEABODY SQ 38104
New Street-1969
From 1800 Bl Peabody Ave
388- 599 CT 33 #A.E16
● HANDY MAP LOC 36-L
506 Stephen A Carrigan 90 278-3122
M Greenish 87 • 278-3122
M L Greenish H 278-0714
507 B Winsler 87 • 276-6869
508 Mary T Baltz 93 • 274-0143
509 NP •
510 L Scholl 93 • 728-4215
512 J H Wolfe - 278-3117
513 Jas W Campbell Jr 87 • 725-0581
514 N K Sublette - • 725-4129
515 NP •
516 Jim Flanagin H 272-2558
517 NP •
519 S C Reuter 92 • 726-5558
520 521 NP
523 Madhavi Reddy - • 276-5961
524 • L S Roberts 92 272-1770
• L Roberts Ct Rptr 92 ○ 272-1770
525 C Tragesser 87 • 274-4726
526 D M Hinson 87 • 276-5026
527 N H Nichols 87 • 274-1438
528 Leslie Daniel 91 278-1695
529 C J Ridley 89 • 276-7247
530 P M Taylor 92 • 274-5047
531 NP
532 W R Wright 92 • 725-9580
533 K A Edmondson 87 • 274-7342
534 James Earl Gibson 88 • 276-3142
535 E A Joyner 87 • 278-7043
536 NP •
538 NP •
540 Condominium
☐ Richard D Blevins 93 276-5267
☐ J D McVey Jr 93 • 276-5267
542 L T Durkan 87 • 276-6209
543 NP
34 RESIDENCE 2 BUSINESS

PEACE 38109
From February S 1 E of 4800 Bl
Horn Lake Rd
4800- 4936 CT 224.10 #D.H 4
● HANDY MAP LOC 80-A.D
4818 4819 NP
4826 Willie Mae Johnson 93 • 785-7836
4827 L M Rowland 79 • 789-0778
4834 NP •
4835 Charlie Jackson 66 • 785-7425
— ORTIE DR INTS
4842 Harold H Osborne 61 • 785-7655
Michael Osborne 87 • 785-2664
4850 James Gates 89 • 785-8153
Jennie Gates 81 • 785-8153
4853 NP
4856 Wm H Crutchfield 65 • 789-0094
4864 Charlie Richardson 61 • 785-7483
4867 D P Hubbard 61 • 785-6896
4870 Mrs L Johnson Jr 67 • 785-7103
4875 Tracy S Williams 93 785-2141
4876 Erby B Cox 65 • 785-7436
4879 Violet Hooker 66 785-7217
4880 Audrey Shaw 66 • 785-7687
Joseph Shaw 66 • 785-7687
4887 NP
4888 James Poindexter 72 • 785-6125
4895 Robert Bowden 79 789-0556
4896 Marion McCauley 85 • 785-7956
4899 NP
4903 Richard L Hollis 62 • 785-7875
4907 Nellie S Kelly 69 • 785-6542
4911 Mrs M G Jones 69 • 785-7444
4914 NP
4917 Gerald P Cole 82 • 789-5168
4920 Harry J Rice 62 • 789-0304
4921 Iola Jones 74 • 789-2704
32 RESIDENCE

PEACE RIVER DR 38141
4400- 4499 CT 217.42 #B.G 8
● HANDY MAP LOC 152-E
4435 Mose Thomas Jr H • 375-9720
4443 J T Crouch 92 • 368-7686
4457 June Renee Betton - 794-4869
3 RESIDENCE

PEACH AVE 38105
From 341 Ayers E
860- 1135 CT 24 #E.D15
1136- 1499 CT 25 #C.D15
1654- 1802 CT 26 #A.D16
● HANDY MAP LOC 28-L & R
● HANDY MAP LOC 29-A.D
983 Deidre Austin 93 523-8300
999 Apartments
A Elvin Garrett 73 526-1932
Lacey Padrta H 523-7474
— 300 DECATUR INTS

38104
1208 NP
1210 Tiffany Alvord 93 278-4958
1268 Tammy Chavez - 272-9066
1270 NP
1292 N Phimsipasom 93 • 726-5745
— 300 N CLAYBROOK INTS
1305 NP
1319 Deborah Ballard 86 725-0385
1321 Ira Bernard Sills 86 276-7989
1323 1325 NP
1327 Mrs Mary L Webb 88 725-6806
1329 NP
1330 Condominium
77 ☐ Freda A Allen 89 276-2535
77 ☐ Victor A Allen 89 276-2535
☐ Dorothy Boyd H 272-2190
6 ☐ J Daniel 88 725-4620
☐ Charles E Davis 91 276-3632
☐ Terry Douglas 92 278-6384
☐ Lavinia Earl 91 276-2103
1 ☐ Charles A Hopper 74 726-9122
☐ Annette Roberts H 274-5948
3 ☐ Doris Russell 89 722-5124
☐ Sean Townsel Sr H 726-4098
20 ☐ T M Turner 87 276-4677
— 300 N CLEVELAND INTS
— 300 N WATKINS INTS
1414 Condominium
☐ F D Domes Jr 93 726-1307
1415 Condominium
☐ Anthony Harris H 272-7152
4 ☐ Joe W Harrison 92 278-1694
1439 Justin Stroud - 278-6511
— N GARLAND INTS
— N MCNEIL INTS
— WILLIAMSON INTS
— N LAKE PL BGNS
— DICKINSON INTS

38112
1674 Ronald W Rayburk 93 • 274-0066
1687 Dr Herbert Zeman 93 • 274-2524
1699 John A Hostetler - • 725-3749
1704 J Conti H • 722-8950
— 300 N EVERGREEN INTS
1721 NP
1722 A Fritz - • 725-5647
1723 NP
1726 Craig V Morton - 725-5372
Stephen Sauer - 276-5566
1727 Mary Kosmitis 92 • 272-3217
A Taylor 92 272-3217
1733 Claire Barnett 90 • 272-9776
J C Barnett 85 • 725-1602
1736 Stephen H Schwartz - • 274-1551
1737 W Johns 93 • 272-7700
1743 R E Henry H 274-1025
Dr V Scarborough - • 274-1025
1746 A Darryl Haas 92 • 725-7964
1747 NP
1750 R M Robbins 55 • 276-7103
1753 William Green 88 272-3978
1756 NP •
1757 B F Jones 59 • 274-4381
1762 David A Zimmerman 93 272-7832
1763 Don Jones 92 • 725-7892
1767 Henry S Klosky 93 276-4195
— 300 HAWTHORNE INTS
1769 C Kerry James 88 725-9456
60 RESIDENCE

PEACH BLOSSOM COVE
New Street-1987
RR31 38125
5000- 5099 CT 217.50 #A.H 7
● HANDY MAP LOC 96-D
5010 Paul Earnest 87 • 755-8369
5015 V B Prigg 89 • 755-9634
5018 Donald Woodlee 89 • 754-4011
5023 Barbara J Thompson H 756-7564
5026 Terry W Day 88 • 757-9685
5035 NP •
5036 William Lacy Reams 88 • 757-8035
7 RESIDENCE

PEACH ROW 38105
From 332 Decatur E
— NO LISTINGS

PEACHTREE 38122
From Henry N To 3453 Macon Rd
894- 1107 CT 13 #E.C18
● HANDY MAP LOC 31-A.E
— GUERNSEY AVE INTS
— HENRY AVE ENDS
1022 H E Thornton 55 • 324-0949
1028 Robin Harris H • 327-4088
1034 Julie C Cox 93 • 458-5708
1040 Dianne Walls 93 • 454-5880
Keith Walls 93 • 454-5822
Renee Walls 93 • 454-5833
1044 Margaret H Grimes 93 • 323-4529
1052 NP •
1058 Don P Corum 59 • 458-7626
— 3400 HARDIN INTS
1062 1068 NP
1076 NP •
— 3400 MACON RD INTS
— 3400 FARMVILLE INTS
— 3400 BUCHANAN INTS
12 RESIDENCE

PEACH VALLEY DR
New Street-1988
RR30 38141
4200- 4299 CT 217.41 #B.G 7
● HANDY MAP LOC 86-B
4255 L P Willard 88 • 360-9154
4257 NP •
4261 S M Wilson 88 • 795-7415
4265 Wm J Cordova Jr 90 363-8490
4267 John B Fitel 88 • 363-8559
4268 T M Hoffman 92 • 368-6141
4269 NP •
4270 NP •
4271 Glen Lusk 88 • 363-5627

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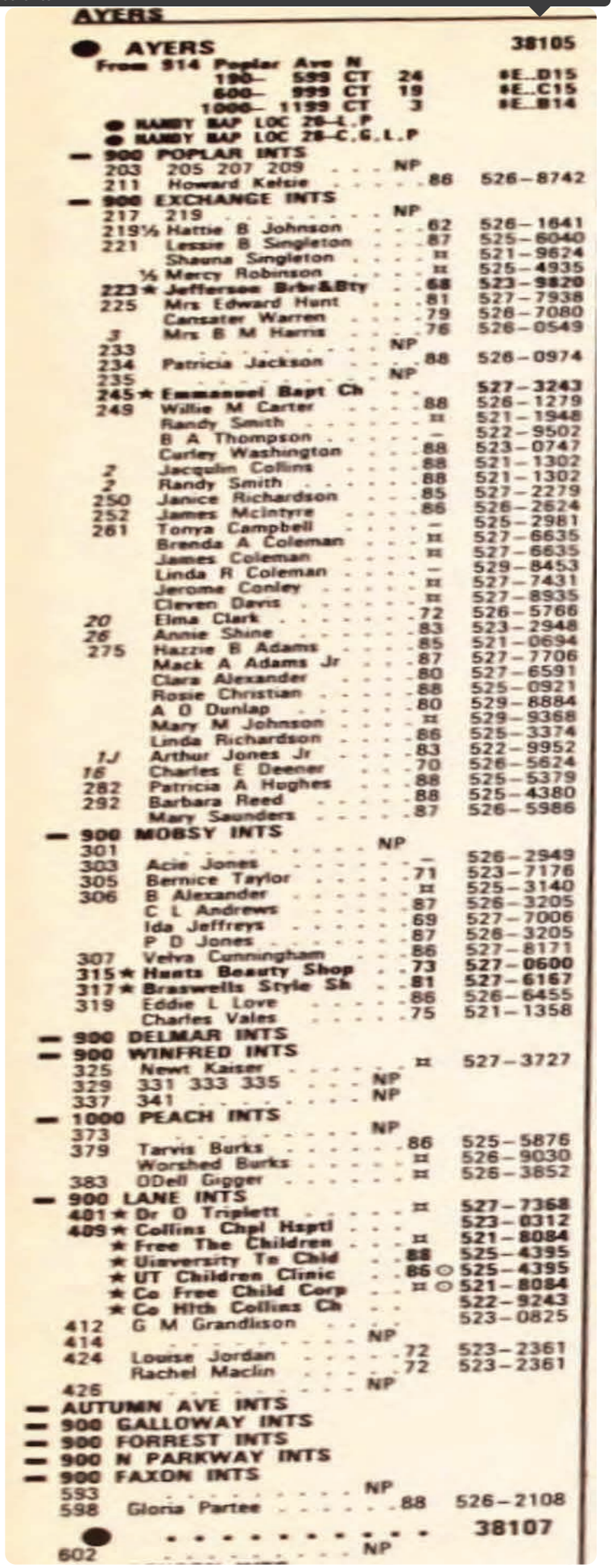
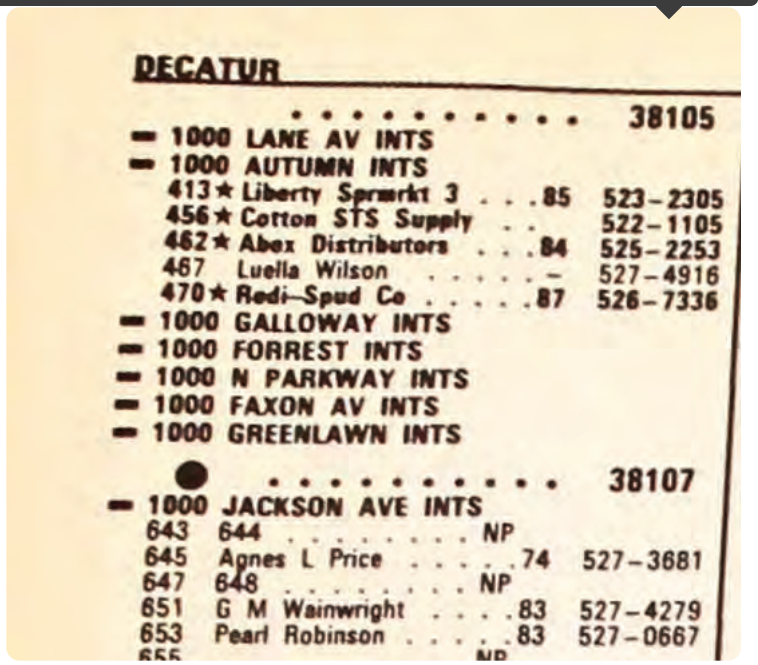


AYERS

AYERS 38105
From 914 Poplar Ave N
190- 599 CT 24 #E..D15
600- 999 CT 19 #E..C15
1000- 1199 CT 3 #E..B14
● HANDY MAP LOC 28-L.P
● HANDY MAP LOC 28-C.G.L.P
— 900 POPLAR INTS
203 205 207 209 NP
211 Howard Kelsie 88 526-8742
— 900 EXCHANGE INTS
217 219 NP
219½ Hattie B Johnson 62 526-1641
221 Lessie B Singleton 87 525-6040
Shauna Singleton H 521-9624
½ Mercy Robinson H 525-4935
223 • Jefferson Brbr&Bty 68 523-9820
225 Mrs Edward Hunt 81 527-7938
Cansater Warren 79 528-7080
3 Mrs B M Harris 76 526-0549
233 NP
234 Patricia Jackson 88 526-0974
235 NP
245 • Emmanuel Bapt Ch 527-3243
249 Willie M Carter 88 526-1279
Randy Smith H 521-1948
B A Thompson - 522-9502
Carley Washington 88 523-0747
2 Jacquiln Collins 88 521-1302
2 Randy Smith 88 521-1302
250 Janice Richardson 85 527-2279
252 James McIntyre 86 526-2624
261 Tonya Campbell - 525-2981
Brenda A Coleman H 527-6635
James Coleman H 527-6635
Linda R Coleman - 529-8453
Jerome Conley H 527-7431
Cleven Davis H 527-8935
20 Elma Clark 72 526-5766
26 Annie Shine 83 523-2948
275 Hazzie B Adams 85 521-0694
Mack A Adams Jr 87 527-7706
Clara Alexander 80 527-6591
Rosie Christian 88 525-0921
A O Dunlap 80 529-8884
Mary M Johnson H 529-9368
Linda Richardson 86 525-3374
1J Arthur Jones Jr 83 522-9952
16 Charles E Deener 70 526-5624
282 Patricia A Hughes 88 525-5379
292 Barbara Reed 88 525-4380
Mary Saunders 87 526-5986
— 900 MOBSY INTS
301 NP
303 Acie Jones - 526-2949
305 Bernice Taylor 71 523-7176
306 B Alexander H 525-3140
C L Andrews 87 526-3205
Ida Jeffreys 69 527-7006
P D Jones 87 526-3205
307 Velva Cunningham 86 527-8171
315 • Hunts Beauty Shop 73 527-0600
317 • Braswells Style Sh 81 527-6167
319 Eddie L Love 86 526-6455
Charles Vales 75 521-1358
— 900 DELMAR INTS
— 900 WINFRED INTS
325 Newt Kaiser H 527-3727
329 331 333 335 NP
337 341 NP
— 1000 PEACH INTS
373 NP
379 Tarvis Burks 86 525-5876
Worshed Burks H 526-9030
383 ODell Gigger H 526-3852
— 900 LANE INTS
401 • Dr O Triplett H 527-7368
409 • Collins Chpl Hsptl 523-0312
• Free The Children H 521-8084
• University To Child 88 525-4395
• UT Children Clinic 86 ○ 525-4395
• Co Free Child Corp H ○ 521-8084
• Co Hlth Collins Ch 522-9243
412 G M Grandison 523-0825
414 NP
424 Louise Jordan 72 523-2361
Rachel Maclin 72 523-2361
426 NP
— AUTUMN AVE INTS
— 900 GALLOWAY INTS
— 900 FORREST INTS
— 900 N PARKWAY INTS
— 900 FAXON INTS
593 NP
598 Gloria Partee 88 526-2108

38107
602 NP



DECATUR

38105

- 1000 LANE AV INTS
- 1000 AUTUMN INTS
  - 413★ Liberty Spmrkt 3 . . . 85 523-2305
  - 456★ Cotton STS Supply . . 522-1105
  - 462★ Abex Distributors . . . 84 525-2253
  - 467 Luella Wilson . . . . . – 527-4916
  - 470★ Redi-Spud Co 87 526-7336
- 1000 GALLOWAY INTS
- 1000 FORREST INTS
- 1000 N PARKWAY INTS
- 1000 FAXON AV INTS
- 1000 GREENLAWN INTS

● 38107

- 1000 JACKSON AVE INTS
  - 643 644 . . . . . NP
  - 645 Agnes L Price 74 527-3681
  - 647 648 . . . . . NP
  - 651 G M Wainwright 83 527-4279
  - 653 Pearl Robinson 83 527-0667
  - 655 NP

4 RESIDENCE

● PEACH AVE 38105

From 341 Ayers E

- 900- 1099 CT 24 ★E_D15
- 1200- 1449 CT 25 ★B_D15
- 1550- 1849 CT 26 ★B_D16

● HANDY BAP LOC 28-L,B,B

● HANDY BAP LOC 29-B,B

- 983 Loretta Kizer 525-5810
- Albert Richardson . . . 87 526-2405
- Queen E Richardson . . 88 526-2405
- 999 Elvin Garrett 73 526-1932
- Peggy Ann Garrett . . . 73 526-1932

- 300 DECATUR INTS
  - 1027 S M Jones 68 523-2480
  - 1031 . . . . . NP

● 38104

- 1208 Joe L Jackson . . . . . – 274-3866
- 300 N CLAYBROOK INTS
  - 1305 Bill Brashier 68 725-0390
  - 1319 Deborah Ballard . . . 86 725-0365
  - 1321 Ira Bernard Sills . . . 86 276-7989
  - 1323 1325 . . . . . NP
  - 1327 Mrs Mary L Webb . . . 68 725-6806
  - 1329 . . . . . NP

1985 AYERS
SOURCE: COLE

MEMPHIS **COLE'S** PAGE 33

4800 AVON CV INTS
400 David B Boone 79 767-7788
401 E H Harrison 69 683-8833
408 James Ward Donnell 79 685-7845
411 L Scott Dunn 78 682-1850
412 NP
413 M S Clifton 83 682-6768
421 Earl C Ford 685-7720
424 Robert A Walker 63 683-4603
431 Thomas A Thompson 81 682-9248
434 Forrest White 62 683-5163
441 George M Grimes 80 685-0036
450 Raymond L Tanner 68 682-9731
451 Dr Nathan Salky 61 683-7564
461 Emerson H Vandame 63 685-5677
PRINCETON INTS
INTERSTATE 40 INTS
4700 SUMMER INTS

● 38122
663★The Gun Works 683-2586
665★Neighbrhd Lgl Clnc ¤ 761-0774
667★Kay Bakeries 767-0780
671★Babyland 767-4350
679★Womans World 685-0741
681★Barney&Martin Brbr 767-9610
685★Discount Grocery 682-8596
688★Memphis Chain SW C 685-6880
689★T Js School Dance - 761-9281
691★Aquarium Entrprs - 683-4508
693★Lieselottes Deli 685-8602
695★B Davis Electric 683-3767
698 A A Comella 82 683-0302
4700 TUTWILER INTS
714 C Curlow ¤ 683-4600
★Gould Svc Co 683-2203
★Walter Gould Jr 683-2203
724 Mrs Martha D Jones 78 683-1496
725 Omer Tucker 65 685-7303
730 731 NP
740 Johnny Bickerstaff - 767-3958
741 Walter A Rodry Jr 685-0970
4700 BOWEN INTS
750 NP
759 Willard M Lindsey 74 767-4176
763 Lurline Patterson 63 685-6119
777 J L Allen 682-6124
780 Harry A McLeod 685-1716
785 B F Martin 685-9793
4700 LYNN RD INTS
792★East Gate Fellwshp ¤ 682-8710
795 Sharon King - 685-6726
804 NP
807 Tony Caccamasi 83 761-3102
813 B C Joyner 695-8073
819 Andrew N Nabors 78 683-7093
820 Mrs Sam Barsami 685-6898
825 NP
830 Paul Pates ¤ 683-7857
831 NP
836 A A Massa 67 683-8938
4700 MARCEL RD INTS
849 NP
850 Mrs Flos Mobberly 72 767-5095
855 NP
4700 OWEN RD INTS
880 898 NP
894 Belinda Watkins ¤ 767-0810
4700 DURBIN INTS
915 Franklin R Miller 685-6818
916 NP
924 Leslie M King 69 682-5856
4700 GIVEN INTS
939 E Bradley 82 767-8439
945 Kenneth R Gulley 76 683-7734
953 NP
VIOLET AVE INTS
965 C W Nichols ¤ 683-1614
975 Jonas J Wray 685-0973
978 Bobbie M Walker 80 761-0899
980 C Richard Smith 82 683-8767
981 David C Tatton 685-0093
988 John D Boulton 65 682-2713
991 J Shuler Griffin ¤ 761-4615
995 Davis M Gullett 685-1282
4700 MACON INTS
1018 David N Schultz 685-5861
1019 W E Smith Jr 69 685-5642
1026 Sherry Freeman 79 761-3478
1027 Mark Fanes 83 685-1968
1030 Richard G Kesler ¤ 767-0719
1035 1036 NP
1042 John W Countess 73 683-1371
1043 A T Roberts 685-9877
1047 Jane Garrard 80 761-9704
1053 Mrs D H Williams 71 682-5884
1058 Pete Kondilenis 83 761-0748
1063 NP
1070 Kenneth M Luse 685-8366
1071 Lonel Howard 685-1578
MCCRORY AVE INTS
119 RESIDENCE 19 BUSINESS

● AVON WOODS COVE 38117
New Street-1978
300- 499 TZ 66 $A.D20
902700
395 Jerry Allison 79 682-9275
403 John T Jordan 79 685-2403
404 NP
409 Dr Clyde H Kuen 79 683-2801
415 Darryl Johnson 83 683-5963
418 Michael E Mireles 79 767-1659
419 Michael Kuen 82 685-7851
422 George H Garner 79 685-7796
J H Garner 83 767-9033
423 Stephen C Nelson 83 683-7751
426 S L Akins 81 761-2167
427 NP
12 RESIDENCE

● AYERS 38106
From 914 Poplar Ave N
100- 599 TZ 24 $E.D15
600- 999 TZ 19 $E.C15
1000- 1199 TZ 3 $E.B14
900710
900 POPLAR INTS
203 205 207 209 NP
900 EXCHANGE INTS
217 George E Seay 77 526-3062
219 Cliff Lee Smith 82 522-8835
½Hattie B Johnson 526-1641

221 Ida B Jones 60 526-1386
½Myrna Poplar 81 521-0031
223★Jefferson Brbr&Bty 523-3820
225 Mrs B M Harris 76 526-0549
Mrs Edward Hunt 81 527-7938
Canester Warren 79 526-7080
233 NP
234 Teress A Bowman ¤ 523-8995
Debra L Darden ¤ 527-5653
Hattie Felton 75 526-2015
Ludie Matilda Ivy 67 526-7045
Gregory B Johnson ¤ 526-4879
Jerome Pettus - 522-8862
B Spearman ¤ 529-1105
235 Edna Marie Walker 81 521-1398
245★Emmanuel Bapt Ch 527-3243
249 Willie Mae Bydnen ¤ 526-1279
Sohe Tillie 81 523-1694
260 Marcellius Haley ¤ 527-9317
252 Johnnie M Collins 76 523-2641
Charles E Deener 70 526-5824
Lorene Taylor ¤ 526-2465
261 Mildred Bolton 83 526-4482
Elma Clark 72 526-5765
William T King 81 527-6022
Minnie Long 83 523-1623
Earl Nichols 33 527-7941
Annie Shine 83 523-2948
Alberta Webber 83 522-8594
Fannie Yates ¤ 529-8511
275 Clara Alexander 80 527-6531
Margaret Boyd 70 525-9907
Charlie Coleman 83 521-0694
A O Dunlap 80 529-8884
Nathaniel Gully 83 523-2636
Arthur Jones Jr 83 522-9952
Sarah V Mitchell 82 522-9562
Monique Warren ¤ 523-0563
282 NP
292 Lawrence Parker Jr 77 523-0715
900 MOBSY INTS
301 Linda R Coleman 82 529-8453
303 NP
305 Bernice Taylor 71 523-7176
306 Carrie Mae Hicks 527-4683
Ida Jeffreys 69 527-7006
Dorothy Mae Warren 70 525-2159
307 Mrs Canary Pope 65 525-1527
315★Hunts Beauty Shop 523-9760
317★Braswells Style Sh 527-6167
319 Charles Yates 75 521-1358
900 DELMAR INTS
900 WINFRED INTS
325 D L Hall 82 523-0262
329 331 NP
333 Michael Lindsey - 526-5156
335 337 341 NP
1000 PEACH INTS
373 NP
379 Tarvis Burks 71 525-5876
383 NP
900 LANE INTS
401★Dr S Green Jr 525-0261
409 Areulia Russell 81 527-9887
Georgia H Thrash 82 526-2565
★Collins Chapl Clnc 522-9243
★Collins Chapel 523-0312
412 G M Grandilson 523-0825
414 NP
424 Louise Jordan 72 523-2361
Rachel Maclin 72 523-2361
426 NP
AUTUMN AVE INTS
900 GALLOWAY INTS
900 FORREST INTS
900 N PARKWAY INTS
900 FAXON INTS
593 Christine Owens ¤ 526-4149
598 NP

● 38107
602 Webster A Mills 65 525-6097
900 JACKSON INTS
630 NP
638 Lula Jones 82 521-9615
640 Alvin Shelton 523-1854
642 644 NP
646 Earl Craft 80 522-8871
ORPHANAGE AVE ENDS
650 Evelyn H Turner 70 523-2834
652 Leona Morris 69 525-8545
656 Floree Silas 80 525-7710
656½658 660 662 NP
664 668 666 NP
669 Willie May Wilson 525-9893
670 672 674 675 NP
676 678 680 682 NP
684 686 NP
CRUMPS CT ENDS
691 692 693 694 NP
695 696 697 NP
900 SAFFARANS INTS
698 699 700 701 NP
702 NP
703 Lucile Shaw 80 525-6068
705 706 708 711 NP
712 713 NP
714 Edna Morgan 69 523-1137
715 NP
716 Alberta Burr - 527-8161
717 NP
718 Homer Turner 66 525-3851
724 Charles Rose 83 523-1238
Walter Russell 64 525-2957
900 BARGAIN PL INTS
722 NP
728 Gladys Neal 74 525-4836
734 J Ruffin Cleaves 72 526-6375
James P Ivy 75 527-1497
900 LOONEY INTS
746★Bethlehem Bapt Ch 527-4082
752 NP
758 James G King 526-0068
759 NP
762 Louis Kendrick - 526-1354
763 NP
767 Emma Gurden 83 527-7057
788 Henry R Allen ¤ 526-4317
769 NP
900 GRIFFITH INTS
772 775 777 NP
776 Pauline Noblin 80 526-5411
779 Mary D Cole 526-1672

781 Sara F
782 784
788
900
791★Avers
794 Tannie
795 799
800 Willie
805 Irma
Matt
809 Alice
Luth
815 Robe
900
819 Vern
823 Mary
825
826 Lew
827 Fred
829
832 Lon
834
835 Joh
838 Bul
840 84
845 Joh
848 84
849 Jo
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855 Jo
859 86
863 Le
864 Le
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873 V
877 P
883 J
891 F
893 V
898 D
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1985
SOURCE: COLE

PEACH AVENUE

PEACH AVE PA

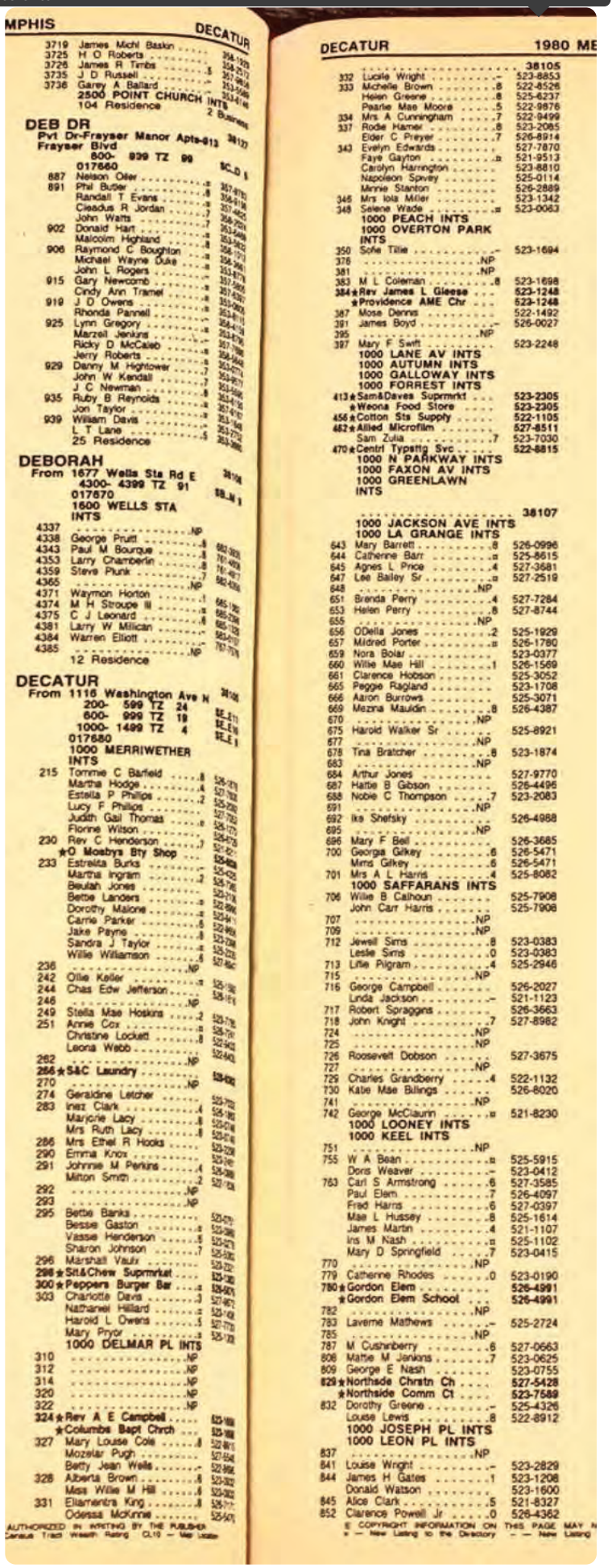
● PEACH AVE 38105
From 341 Ayers E
900- 1099 TZ 24 #E D15
1200- 1449 TZ 25 #D D15
1660- 1849 TZ 26 #B D16
053560
983 Annie Mae Royston 83 522-9815
Lillie White 83 529-9554
999 Elvin Garrett 73 526-1932
Peggy Ann Garrett 73 526-1932
Willie Hester 83 525-5229
Gean Tribbitt 70 522-8398
300 DECATUR INTS
1027 S M Jones 68 523-2460
1031 Jimmie Howard 82 523-9354

● 38104
1208 Jeff Jackson - 274-8527
1210 B M Mobley 60 278-3834
1266 NP
1270 Mike C Cooper 83 274-5733
1292 ★Sisters of Mercy 272-3685
300 N CLAYBROOK INTS
1305 Jay W Parker 83 278-4306
1319 Lana Daugherty 82 726-9475
1321 Versie Smith ¤ 725-9252
1323 M W Walls ¤ 725-7999
1325 NP
1327 Mrs Mary L Webb 68 725-6806
1329 Joe Stewart 74 725-0780

1980
SOURCE: COLE

AYERS

AYERS 38105
From 914 Poplar Ave N
190- 599 TZ 24 $E_E11
600- 999 TZ 19 $E_E10
1000- 1199 TZ 3 $E_D 9
003550
900 POPLAR INTS
203 .....NP
205 .....NP
207 .....NP
209 .....NP
900 EXCHANGE INTS
217 George E Seay 7 526-3062
219 Gert Chalmers 526-1264
½Hattie B Johnson 526-1641
221 Ida B Jones 526-1386
½Howard O Johnson 8 522-1161
223 ★Jefferson Brbr&Bty 523-9820
225 Mrs B M Harris 6 526-0549
Walter Lloyd 6 527-5693
Cansater Warren .....¤ 526-7080
233 .....NP
234 John W G Bowen Jr .....¤ 525-4711
Corinta Cooper 0 525-7964
Louise Davis 3 526-2781
Hattie Felton 5 526-2015
Johnnie Gilliam .....- 526-4210
Essie Mae Graves 525-2640
Alice Green 2 527-8707
Author Lee Hooker 8 521-1176
Ludie Matilda Ivy 526-7045
Lucille Parks 3 527-4751
235 .....NP
245 ★Emmanuel Bapt Ch 527-3243
249 Aaron Hugghis 8 523-7688
Annie Ruth Pittman 7 527-6205
250 Willie C R Burrus 527-8617
Mary T Johnson 527-8955
252 Johnnie M Collins 6 527-2641
Charles E Deener 0 526-5624
261 Carolyn Butler 5 521-1814
Jacquelyn Butler 8 523-9442
Elma Clark 2 526-5766
Florence Harrell 8 527-8106
Mary Jackson 7 522-8606
Earl Nichols 3 527-7941
Leotha Williams 0 527-0557
275 Annie Anderson 6 523-2636
Margaret Boyd 0 525-9907
Dorothy Cullens .....¤ 526-3726
Geneva Jefferson 8 525-7715
Robert E Jones 8 523-2863
Jackie Miller 8 525-6852
O Porter 7 527-0178
Mrs Annie B Ware 0 525-2189
282 Magdalene Wilson 1 522-8403
292 Lawrence Parker Jr 7 523-0715
Mary E Tribbitt 6 522-9529
900 MOBSY INTS
301 .....NP
303 Harold Exom .....¤ 526-5798
305 Bernice Taylor 1 523-7176
306 Mrs Lula Adams 525-8004
Amanda Banks 5 521-1626
Carrie Mae Hicks 527-4683
Ida Jeffreys 527-7006
Nedria Johnson 3 523-9596
Dorothy Mae Warren 0 525-2159
307 Mrs Canary Pope 525-1527
900 DELMAR INTS
315 ★Hunts Beauty Shop 523-9760
319 .....NP
325 Clareatha Turner .....¤ 526-2013
329 .....NP
900 WINFRED INTS
331 .....NP
333 Tommy Banks 8 526-5614
335 Charles Vales 5 521-1358
341 Pinkie Ransom 527-3375
1000 PEACH INTS
373 L Childress Sr 0 526-7672
900 LANE INTS
379 Tarvis Burks 1 525-5876
383 .....NP
401 ★Collins Chapl Hosp 522-9243
★N Memphs Cmnty Hlth 522-9243
409 Betty Blue .....- 526-1272
★Collins Chapel 523-0312
Finely Curry .....¤ 525-7432
Emma Harper .....- 525-5819
Mattie Mays .....- 525-1028
Althea Phyles .....¤ 522-8362
Rev E Rhodes 8 527-0105
Charles J Shannon 8 527-6819
412 G M Grandison 523-0825
414 Fred Espig 2 523-1987
424 Louise Jordan 2 523-2361
Rachel Maclin 2 523-2361
426 James Venzant .....¤ 521-0654
900 GALLOWAY INTS
900 FORREST INTS
900 N PARKWAY INTS
900 FAXON INTS
593 J L Bruce 7 526-8857
Cecil Littlefield 5 526-0702
398 .....NP



MPHIS DECATUR

3719 James Michl Baskin
3725 H O Roberts
3726 James R Timbs
3735 J D Russell
3736 Garry A Ballard
2500 POINT CHURCH INTS
104 Residence

DEB DR
Pvt Dr-Frayser Manor Apts-813 Frayser Blvd
800- 939 TZ 99
017660
887 Nelson Oller
891 Phil Butler
Randall T Evans
Cleadus R Jordan
John Watts
902 Donald Hart
Malcolm Highland
906 Raymond C Boughton
Michael Wayne Duke
John L Rogers
915 Gary Newcomb
Cindy Ann Tramel
919 J D Owens
Rhonda Pannell
925 Lynn Gregory
Marzell Jenkins
Ricky D McCaleb
Jerry Roberts
929 Danny M Hightower
John W Kendall
J C Newman
935 Ruby B Reynolds
Jon Taylor
939 William Davis
L T Lane
25 Residence

DEBORAH
From 1677 Wells Sta Rd E
4300- 4399 TZ 91
017670
1600 WELLS STA INTS
4337
4338 George Pruitt
4343 Paul M Bourque
4353 Larry Chamberlin
4359 Steve Plunk
4365
4371 Waymon Horton
4374 M H Stroupe III
4375 C J Leonard
4381 Larry W Millican
4384 Warren Elliott
4385
12 Residence

DECATUR
From 1116 Washington Ave N
200- 599 TZ 24
600- 999 TZ 19
1000- 1499 TZ 4
017680
1000 MERRIWETHER INTS
215 Tommie C Barfield
Martha Hodge
Estella P Phillips
Lucy F Phillips
Judith Gail Thomas
Florine Wilson
230 Rev C Henderson
★O Moabys Bty Shop
233 Estrelita Burks
Martha Ingram
Beulah Jones
Bettie Landers
Dorothy Malone
Carrie Parker
Jake Payne
Sandra J Taylor
Willie Williamson
236
242 Ollie Keller
244 Chas Edw Jefferson
246
249 Stella Mae Hoskins
251 Annie Cox
Christine Lockett
Leona Webb
262
256 ★S&C Laundry
270
274 Geraldine Letcher
283 Inez Clark
Marjorie Lacy
Mrs Ruth Lacy
286 Mrs Ethel R Hooks
290 Emma Knox
291 Johnnie M Perkins
Milton Smith
292
293
295 Bettie Banks
Bessie Gaston
Vassie Henderson
Sharon Johnson
296 Marshall Vaulx
298 ★Sit&Chew Suprmrkt
300 ★Peppers Burger Bar
303 Charlotte Davis
Nathaniel Hilliard
Harold L Owens
Mary Pryor
1000 DELMAR PL INTS
310
312
314
320
322
324 ★Rev A E Campbell
★Columbs Bapt Chrch
327 Mary Louise Cole
Mozelar Pugh
Betty Jean Wells
328 Alberta Brown
Miss Willie M Hill
331 Eliamentra King
Odessa McKinnie

AUTHORIZED IN WRITING BY THE PUBLISHER
Census Tract Wealth Rating CL10 — Map Locator

DECATUR 1980 ME

38105
332 Lucile Wright
333 Michelle Brown
Helen Greene
Pearlie Mae Moore
334 Mrs A Cunningham
337 Rodie Hamer
Elder C Preyer
343 Evelyn Edwards
Faye Gayton
Carolyn Harrington
Napoleon Spivey
Minnie Stanton
345 Mrs Iola Miller
348 Selena Wade
1000 PEACH INTS
1000 OVERTON PARK INTS
350 Sofie Tillie
378
381
383 M L Coleman
384 ★Rev James L Gleese
★Providence AME Chr
387 Mose Dennis
391 James Boyd
395
397 Mary F Swift
1000 LANE AV INTS
1000 AUTUMN INTS
1000 GALLOWAY INTS
1000 FORREST INTS
413 ★Sam&Daves Suprmrkt
★Weona Food Store
456 ★Cotton Sts Supply
462 ★Allied Microfilm
Sam Zulia
470 ★Centrl Typstg Svc
1000 N PARKWAY INTS
1000 FAXON AV INTS
1000 GREENLAWN INTS

38107
1000 JACKSON AVE INTS
1000 LA GRANGE INTS
643 Mary Barrett
644 Catherine Barr
645 Agnes L Price
647 Lee Bailey Sr
648
651 Brenda Perry
653 Helen Perry
655
656 ODella Jones
657 Mildred Porter
659 Nora Bolar
660 Willie Mae Hill
661 Clarence Hobson
665 Peggie Ragland
666 Aaron Burrows
669 Mezina Mauldin
670
675 Harold Walker Sr
677
678 Tina Bratcher
683
684 Arthur Jones
687 Hattie B Gibson
688 Nobie C Thompson
691
692 Ike Shefsky
695
696 Mary F Bell
700 Georgia Gilkey
Mrs Gilkey
701 Mrs A L Harris
1000 SAFFARANS INTS
706 Willie B Calhoun
John Carr Harris
707
709
712 Jewell Sims
Leslie Sims
713 Lillie Pilgram
715
716 George Campbell
Linda Jackson
717 Robert Spraggins
718 John Knight
724
725
726 Roosevelt Dobson
727
729 Charles Grandberry
730 Katie Mae Billings
741
742 George McClaurin
1000 LOONEY INTS
1000 KEEL INTS
751
755 W A Bean
Doris Weaver
763 Carl S Armstrong
Paul Elam
Fred Harris
Mae L Hussey
James Martin
Iris M Nash
Mary D Springfield
770
779 Catherine Rhodes
780 ★Gordon Elem
★Gordon Elem School
782
783 Laverne Mathews
785
787 M Cushinberry
808 Mattie M Jenkins
809 George E Nash
829 ★Northside Christn Ch
★Northside Comm Ct
832 Dorothy Greene
Louise Lewis
1000 JOSEPH PL INTS
1000 LEON PL INTS
837
841 Louise Wright
844 James H Gates
Donald Watson
845 Alice Clark
852 Clarence Powell Jr

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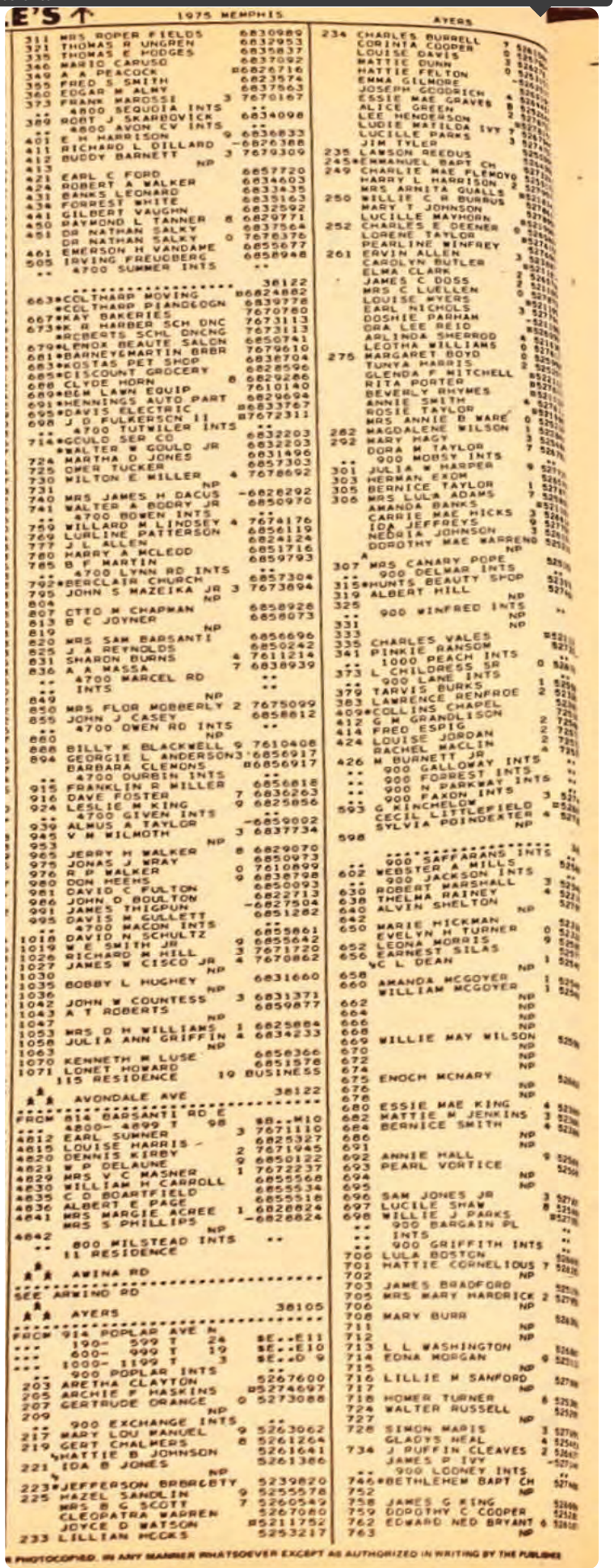
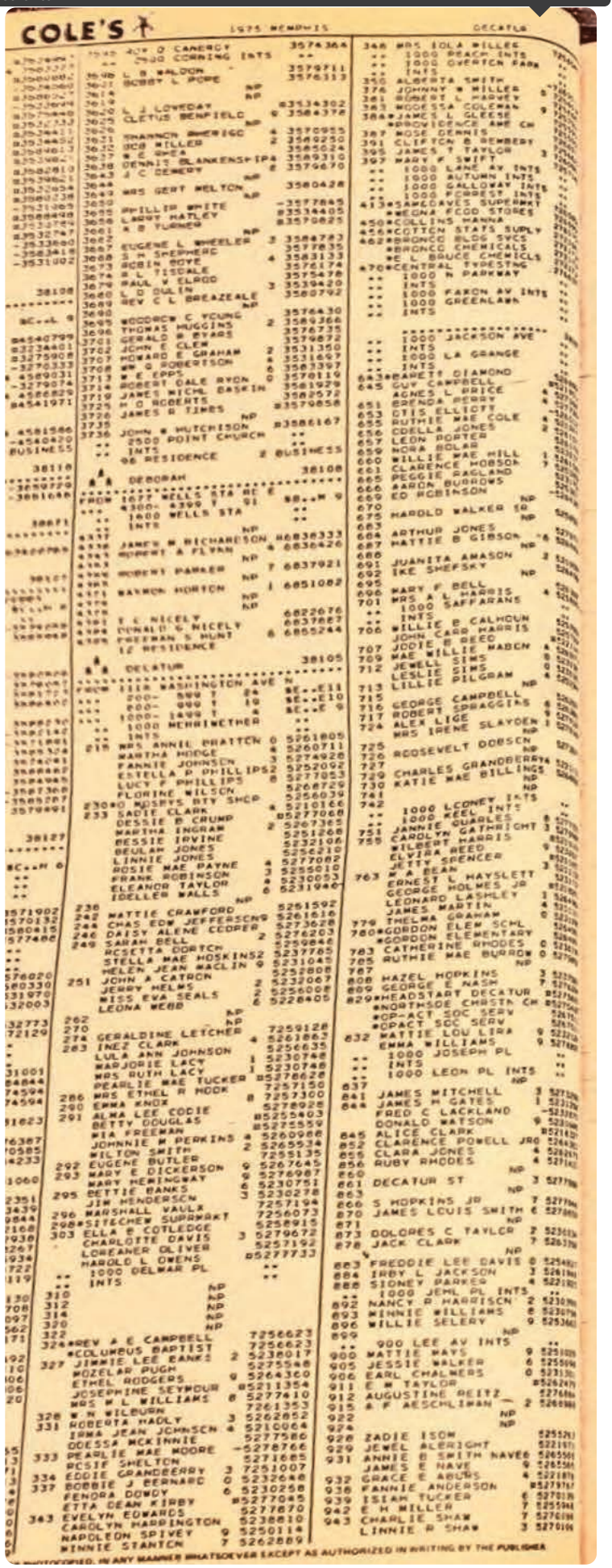
★ — New Listing to the Directory — — New Listing

1 Residence

PEACH AVE 38105
From 341 Ayers E
900- 1099 TZ 24 **$E_E11**
1200- 1449 TZ 25 **$D_E11**
1660- 1849 TZ 26 **$B_F11**
048940
983 Mae Alice Harris 523-0706
Charlene Horton 522-9816
Vernetha Malone 522-8365
999 Pearl B Davis 523-9333
Elvin Garrett 526-1932
Peggy Ann Garrett 526-1932
Albert Hunt 525-4040
Gean Triboti 522-8398
300 DECATUR INTS
1027 S M Jones 523-2460
1031 Mattie L Richmond 525-8056

38104
1208
1210 B M Mobley 276-3834
1266 James Wiseman 276-0931
1270 Mrs D W Canale 276-2500
Pat McHugh 276-2650
1282 J D Price 278-5654
300 N CLAYBROOK INTS
1305

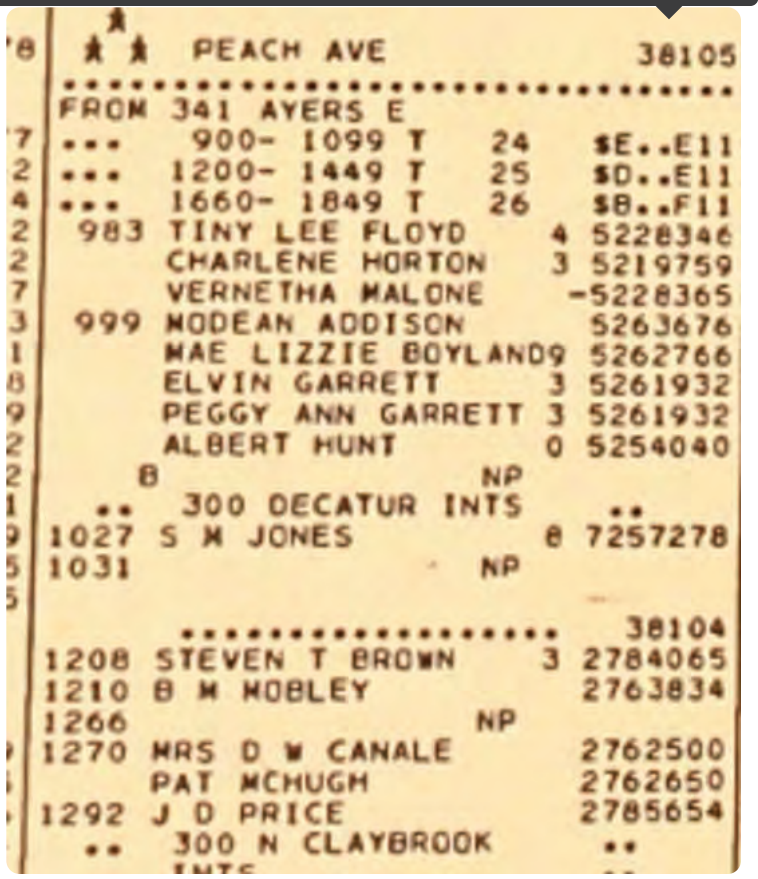




Report ID: 21112200240 - 12/2/2021
www.erisinfo.com

1975
SOURCE: COLE

PEACH AVENUE



PEACH AVE 38105

FROM 341 AYERS E

	900- 1099 T	24		$E..E11
	1200- 1449 T	25		$D..E11
	1660- 1849 T	26		$B..F11
983	TINY LEE FLOYD		4	5228346
	CHARLENE HORTON		3	5219759
	VERNETHA MALONE			-5228365
999	MODEAN ADDISON			5263676
	MAE LIZZIE BOYLAND	9		5262766
	ELVIN GARRETT		3	5261932
	PEGGY ANN GARRETT		3	5261932
	ALBERT HUNT		0	5254040
8		NP		
	300 DECATUR INTS			
1027	S M JONES		8	7257278
1031		NP		
				38104
1208	STEVEN T BROWN		3	2784065
1210	B M MOBLEY			2763834
1266		NP		
1270	MRS D W CANALE			2762500
	PAT MCHUGH			2762650
1292	J D PRICE			2785654
	300 N CLAYBROOK INTS			

1970-71
SOURCE: COLE

AYERS

AYON RD 1970-1971 MEMPHIS **COLE'S**

836 A A MASSA 7 6838939
4700 MARCEL RD
INTS
849 L C DAVIS JR 9 6831300
850 JERRY L GUY 9 6842064
855 JOHN J CASEY 5 6850812
4700 OWEN RD INTS
880 E D LACKEY 6839904
888 BILLY K BLACKWELL 9 6841721
894 WILLIAM C ANDERSON 4 6851760
4700 DURBIN INTS
915 FRANKLIN R MILLER 6856818
MISS MARY A MILLER 6851215
916 DAVE FOSTER 7 6836263
924 LESLIE M KING 9 6825856
4700 GIVEN INTS
945 E P WILMOTH 6837734
953 DONALD K CASEY 3 6838153
965 JERRY M WALKER 8 6829070
975 JONAS J WRAY 6850973
976 R P WALKER -6842286
980 DON HEEHS 9 6838798
981 DAVID C FULTON 6850093
986 JOHN D BOULTON 5 6822713
991 WAYNE CALDER 8 6820253
995 DAVIS M GULLETT 6851282
4700 MACON INTS
1018 DAVID N SCHULTZ 6855861
1019 W E SMITH JR 9 6855642
1026 RUSSELL B BAKER 9 6833673
1027 GRACE MCNEILL 9 6827567
1030 MRS C W HARLAN -6825354
1035 BOBBY L HUGHEY 6831660
1036 MRS E M JOHNSTON 6821452
1042 J T BOND -6835905
1043 A T ROBERTS 6859877
1047 KAY REASONS 06830933
1053 M M BRUMLEY JR -6830519
1058 S A BARBARO JR 6858388
FORREST E BARTLETT 9 6858388
1063 D F NICHOLS 6 6839328
1070 KENNETH M LUSE 6858366
1071 LONET HOWARD 6851578
111 RESIDENCE 22 BUSINESS

AVONDALE AVE 38122

FROM 814 BARSANTI RD E
4600- 4899 TZ 98 $B..N11
4812 V B BEASLEY 6855392
4815 LOUISE HARRIS 6825327
4820 MRS C J BAILEY -6845306
4821 W P DELAUNE 9 6850122
4830 WILLIAM H CARROLL 6855568
4835 C D BOARTFIELD 6855534
4836 ALBERT E PAGE 6855518
4841 CAROLYN M PHILLIPS 06828624
4842 LOUISE FLIPPIN 7 6859031
800 MILSTEAD INTS
9 RESIDENCE

AWINA RD 38128

SEE ARWIND RD

AYERS 38105

FROM 914 POPLAR AVE N
190- 599 TZ 24 $E..E11
600- 999 TZ 19 $D..E10
1000- 1199 TZ 3 $D..E 9
900 POPLAR INTS
203 ARETHA CLAYTON 5267600
207 GERTRUDE ORANGE -5273088
JAMES C DOSS 9 5273702
900 EXCHANGE INTS
217 MARY LOU MANUEL 9 5263062
219 GERT CHALMERS 8 5261264
BHATTIE B JOHNSON 5261641
221 IDA B JONES 5261386
BLUCILLE HARRIS -5279110
223*JEFFERSON BARBER 5269479
225 MATTIE HUNT -5274247
CLEOPATRA WARREN 5267080
HAZEL SANDLIN 9 5255578
MRS B G SCOTT 7 5260549
233 LILLIAN HOOKS 5253217
234 ALLEAN BRADFORD 8 5264557
MARIE MARSHALL 5 5260021
JIM TYLER 1 5250095
LUDIE MATILDA IVY 7 5267045
VIOLA JOHNSON 4 5265720
LILLIAN POPE 8 5260935
EMMA GILMORE 5260195
ESSIE MAE GRAVES 8 5252640
CHAS F WILLIAMSON 9 5267296
ANNIE HUNTER 9 5272524
CHARLES BURRELL 7 5261586
MATTIE DUNN 05253153
CORINTA COOPER 05257964
235 LAWSON REEDUS 5264392
245*EMMANUEL BAPT CH 5273243
249 LULA H TAYLOR 7 5261778
CHARLIE MAE FLEMOY -5255178
C L BERRYHILL JR 05263466
250 DEWITT NEVILLE 5277876
250 MARY M EASON 5255077
MARY T JOHNSON 5278955
WILLIE C R BURRUS 5278617
WILLIE MAE BYRDEN 9 5273729
252 PEARLINE WINFREY 9 5276943
CHARLES E DEENER 05265624
261 ROBERT J MATHEWS 05252953
CATHERINE JOHNSON 05263429
CHARLIE JOHNSON -5265500
FRANCES JONES -5262079
JACK E JACKSON 05252259
MILDRED WYNN -5275133
HAROLD E ARMSTRONG -5262936
AARON LOTT -5253093
MICHAEL C LOVE 05278114
MRS C LUELLEN -5278704
RENA COX 05278168
LENORIA DAVIS -5267449
MELVIN HERRING -5257040
MRS DOROTHY HOLMES 05270081
WILL WALLS -5273278
JAMES H TAYLOR -5275147
LEOTHA WILLIAMS -5276171
275 ERNESTINE MARSHALL 05266125
RACHAEL MASON -5231132
GEORGIA NELSON -5274903
IOLA PATTERSON 05263876
JIMMIE LEE STEWART -5267135
CORA LEE WOODSON -5256265
CORA ADDISON -5250953
LEE A DYE 05260992
MARGARET BOYD -5259907
CHARLES HARPER -5274137
MRS JOYCE WALKER 05256265
MRS ANNIE B WARE 05252189
282 WILLIE OWENS 05270856
LARFELT WASHINGTON 8 5263327
292 DORA M TAYLOR 7 5267013
WILHELMINA WEST 05261847
900 MOSBY INTS
301 JULIA W HARPER 9 5277276
303 HERMAN EXUM 5265798
305 BESSIE LONG 6 5278730
306 IDA JEFFREYS 9 5277006
FLORINE BLEDSOE 7 5253832
MRS LULA ADAMS 7 5258004
ADOROTHY MAE WARREN 05252159
307 MRS CANARY POPE 5 5251527
900 DELMAR INTS
319 ALBERT HILL 5274068
MAE FRANCES HILL 3 5274068
325 SHIRLEY JORDAN 9 5273953
GLORIA SMITH -5268102
OZZIE LOCKETT 9 5266040
900 WINFRED INTS
335 DOSHIE PARHAM 05274204
341 PINKIE RANSOM 5273375
1000 PEACH INTS
373 L CHILDRESS SR 05267672
900 LANE INTS
379 TARVIS BURKS 05255876
409*COLLINS CHAPEL HSP 5266871
412 GLADYS GRANDLISON 2751771
426 SUSIE WICKS 6 2761906
VIRGINIA ALLEN 7 2763817
900 GALLOWAY INTS
900 FORREST INTS
900 N PARKWAY INTS
900 FAXON INTS
593 RAYMOND JOHNSON 9 5278778
MORRIS HINTON 9 5232653
VICTOR HARDY 05255264
598 CARL L HARTIE 7 5279905
38107
900 SAFFARANS INTS
602 WEBSTER A MILLS 5 5256097
900 JACKSON INTS
640 ALVIN SHELTON 5279753
642 SAMMIE HARRIS 5231175
650 MARIE HICKMAN 5232834
EVELYN H TURNER 05232834
652 LEONA MORRIS 9 5258545
656 EARNEST SILAS 5257710
SCHANNIE B BROWN 5 5273840
658 MRS A J BUFORD 5252789
JESSE CLARK 5252789
664 JAMES GAMTRIGHT 9 5273260
666 JOSEPHINE HILLS 9 5231782
668 HENRY LOVING 5278784
669 WILLIE MAY WILSON 5259893
670 NANCY WAINWRIGHT 05266983
672 O B CHATMAN 9 5278735
674 GEORGE SHANNON 5279727
675 ENOCH MCNARY 5266280
678 LEOLA SEYMORE 5264892
686 SHIRLEY GREEN 7 5266779
691 ZENOBIA DRAKE 9 5253219
692 ANNIE HALL 9 5250650
693 PEARL VORTICE 3 5250097
694 NANCY COOLIDGE 9 5270818
695 JAMES H GATES 9 5231208
696 DORA JOHNSON 05268132
697 LUCILE SHAW 8 5256068
900 BARGAIN PL
INTS
900 GRIFFITH INTS

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3235 KERMIT MARTIN JR 5 3581823
3240 JO ANN TUCKER 3580002
RICHD S TUCKER SR5 3580002
3251 JEFF DAVID SMITH 3584095
3278 RALPH B WHITE -3570585
3280 HERBERT O HOGG 6 3584233
3283 JAMES PATRICK 8 3586530
3290 W T BRASFIELD -3583293
3291 T M CUMMINGS 6 3572143
3297 BILLY HAYES BROWN7 3582351
3298 LEONARD BRINGLE 8 3582952
3303 W F MCMILLAN 9 3579864
3307 HERBERT E BERRY JR 5 3582168
3308•JACK BARKER 3582938
JACK BARKER 8 3588267
3314 PRATHER C WILLIAMS 5 3575934
3321 RAY HURLEY 7 3584722
3324 V L GEGG 9 3588119
3331 C E RICHARDSON 3580662
3337 A W SHANNON 6 3585130
3338 HENRY C ARCHER 7 3575708
3347 LEON ROBINSON 3571562
3358 W O WOODWARD 3 3581171
3370 JAMES A CROW 3576926
3380 CARL BERRYHILL 3571492
3381 W C EUBANK -3584110
3390 SADIE J MCGREGOR 3571306
3391 ROBERT L WILBURN 5 3585120
.. 2400 FRAYSER BLVD ..
.. INTS ..
.. 2400 MILLBROOK ..
.. INTS ..
3527 LEON SUDBURY -3570265
3528 RUSSELL B DAVIS 8 3576927
3536 CHARLES E WHITE -3581144
3545 DENVER WHITEHEAD 9 3587371
3552 JERRY L CASTLEMAN5 3584078
3558 G W SCREWS SR ¤3589590
3563 KIRKLAND HUDSON -3574650
3575 BRYCE M CANERDY 3572626
.. 2500 CORNING INTS ..
3595 ROY D CANERDY 3574364
3596 L B WALDON 3579711
3601 BOBBY L POPE 3576313
3619 MABEL BENFIELD ¤3585042
3620 JAMES N JONES 8 3586094
3625 CLETUS BENFIELD 9 3584378
3626 RONALD J SCAIFE ¤3585773
3631 MARVIN L BEASLEY 9 3586302
3637 FRANCES L RHEA ¤3583133
W E RHEA 3585024
3643 MRS HELEN DEMERY 8 3579670
3649 MRS G MELTON 3580428
3650 DAVID R HUGHEY -3586755
3661 MRS RUTH TURNER 8 3570825
3662 WAYNE PITTS 9 3575608
3667 RONALD R CASH -3582777
3668 S H SHEPHERD 3577035
3673 EUGENE ANGEL SR 7 3585705
3674 R L TISDALE 3576174
3679 PAUL V ELROD 3575478
3689 REV C L BREAZEALE4 3580792
3695 WOODROW C YOUNG 3576430
3696 RUBY BOX ¤3589366
3701 GERALD R BYARS 3576735
3702 JOHN E CLEM 3579872
3707 KENNETH MARTIN -3585445
3708 TOMMY PREUETT 8 3583805
3713 W E EPPS 6 3583397
3714 ROBERT DALE RYON -3570119
3719 JAMES MICHL BASKIN 5 3581929
3725 H G ROBERTS 3 3582572
3726 JAMES M TIMBS 9 3579858
3735 J C BYARS 8 3581675
3736 WM B TURNER JR -3584879
.. 2500 POINT CHURCH ..
.. INTS ..
82 RESIDENCE 2 BUSINESS

DEBORAH 38108

FROM 1677 WELLS STA RD E
..... 4300- 4399 TZ 91 $B..M 9
.. 1600 WELLS STA ..
.. INTS ..
4338 JAMES M RICHARDSON¤6829583
4359 ROBERT PARKER 7 6837921
4365 ARLIE A STEWART 3 6833086
4381 T C NICELY 6822676
4384 DONALD G NICELY 6837887
4385 FREEMAN S HUNT 6 6855244
6 RESIDENCE

DECATUR 38105

FROM 1116 WASHINGTON AVE N
..... 200- 599 TZ 24 $E..E11
..... 600- 999 TZ 19 $D..E10
..... 1000- 1499 TZ 4 $D..E 9
.. 1000 MERRIWETHER ..
.. INTS ..
215 MRS ANNIE BRATTON ¤5261805
FLORINE WILSON 5268729
EDDIE MASON 9 5277767
LUCY F PHILLIPS 8 5277053
215 TEMPLE JACOB 9 5258297
230•D MOSBYS BTY SHOP 5256039
233 LINNIE JONES 5 5256210
LEONA DUNCAN 5268673
ROSIE MAE JOHNSON9 5277082
BEULAH JONES 5232106
GEORGIA WOODARD 5268673
REED SHARP 8 5262854
PEGGY HAMPTON 4 5264922
IDELLER WALLS 6 5231946
TREADWELL PERRY 8 5263054
BESSIE IRVINE 5251268
FANNIE DOUGLASS 7 5274839
BEATRICE SIMMONS 8 5251652
236 MARTHA ATKINS 5254083
242 MATTIE CRAWFORD 5251592
244 CHAS EDW JEFFERSON 9 5261616
PALLEE CLAYTON 8 5267912
246 JAMES EDW SHELTON 5264737
DAISY ALENE COOPER 3 5273628
MARTHA L SHELTON 5264737
249 CORA LEE HUNT 5276104
BARBARA LESTER 5274738
TOM H LESTER 3 5274738
JOSEPHINE BRADLEY9 5268706
ROSETTA DORTCH 5259846
251 JOHN A CATRON 5252808
LEONA WEBB 6 5262478
BONNIE LOU CATRON ¤5268029
LILLIE B WEBBER 7 5266090
262 STELLA LEACH 2745683
W D LEACH 6 2745683
266•SWISS LAUNDRY 2769528
270 ROY WAINWRIGHT 2767902
274 GERALDINE LETCHER5 2768085
283 LULA ANN JOHNSON 5256635
VIOLA WOODS 7 5253224
ABE PERRY 8 5257128
PEARLIE MAE PERRY ¤5257128
286 MRS ETHEL R HOOKS 2760061
290 EMMA KNOX 8 2761370
291 JAMES CODIE 4 5278928
292 EUGENE BUTLER 2752562
293 CLARENCE BURTON ¤5266170
MRS WILLIE BURTON ¤5266170
MARY HEMINGWAY 9 5276987
MARY E DICKERSON 9 5267570
295 BETTIE BANKS 6 5262452
HELEN JEAN MACLIN9 5251208
JIM HENDERSON 3 5273849
T J GOLDEN 9 5252408
296 MARSHALL VAULX 2759919
298•SIT&CHEW SUPERMRKT 2755607
300•SAMS RANCHBURGERS ¤2785838
303 LOREANER OLIVER 5257192
ELLA B COTLEDGE 5 5258915
HAZEL HOUSTON 9 5279695
.. 1000 DELMAR PL ..
.. INTS ..
310 F M HINES 8 2785641
312 ROBERT CHAMPION 2760984
314 W C WALLS ¤2780111
320 ODELL THOMPSON -2755642
324•COLUMBUS BAPT CH 2762096
•REV A E CAMPBELL 2762096
327 ETHEL RODGERS 9 5264360
NATHAN TEMPLE JR 6 5274605
MOZELAR PUGH 3 5275548
WILLIAM HERRON JR7 5275605
MRS M L WILLIAMS 8 5277410
328 W N WILBURN 2723871
331 ETHEL BELLE BARTON 3 5275496
SHIRLEY D DAVIS 7 5276472
HENRY MCKINNIE 4 5277586
ODESSA MCKINNIE 5277586
333 DAISY R COLEMAN 4 5270411
MRS LOIS THOMAS 7 5272639
ROSIE SHELTON 5271685
MARY ALBRIGHT 5 5260468
CORA WILLIAMS 6 5265146
334 EDMONIA PARKER 8 2756629
337 BOBBIE J BERNARD ¤5232648
FENORA DOWDY 6 5267680
BLANCH MOTEN 7 5265870
343 NAPOLEON SPIVEY 9 5250114
MINNIE STANTON 7 5262889
RUBY RHODES 6 5271433
LOUISE ROSS 8 5273337
CAROLYN HARRINGTON 5272585
EVELYN EDWARDS 5270304
346 MRS IOLA MILLER 2755400
.. 1000 PEACH INTS ..
.. 1000 OVERTON PARK ..
.. INTS ..
376 JOHNNY W MILLER ¤2755352
381 ROBERT L HARVEY 2756783
383 MODESSA COLEMAN 9 2766888
384•PROVIDENCE AME CH 2754431
•JAMES L GLEESE 2754431
387 MOSE DENNIS 2748508
391 CLIFTON B REMBERT5 2756922
395 J C DONOHO 2760067
397 MARY F SWIFT 2760053
.. 1000 LANE AV INTS ..
.. 1000 AUTUMN INTS ..

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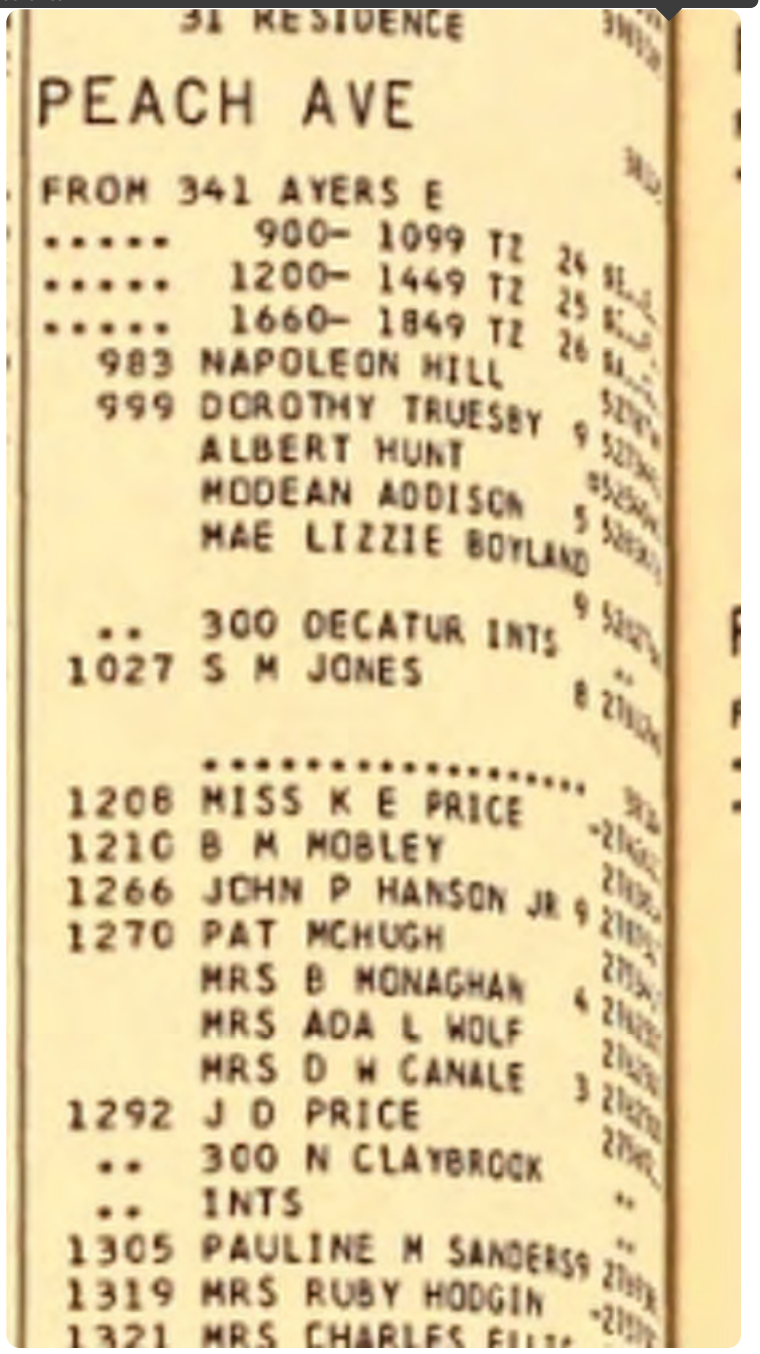
TZ = Trading Zone

.. 1000 GALLOWAY INTS ..
.. 1000 FORREST INTS ..
413•GIBSON FOOD PLAN 2745144
•WEONA FD STRE 128 2745144
•SAMCOAVES SPRMRKET 2745144
419•BLUFF CITY WRECKNG 2785661
•THOMPSON WRECKG CO 2785661
456•COTTON STATS SUPLY 2721642
462•E L BRUCE CHEMICLS 2721736
•BRONCO BLDG&MAINT 2721736
•BRONCO CHEMICALS 2721736
470•CENTRAL TYPESTNG -2766377
.. 1000 N PARKWAY ..
.. INTS ..
.. 1000 FAXON AV INTS ..
.. 1000 GREENLAWN ..
.. INTS ..

..... 38107
.. 1000 JACKSON AVE ..
.. INTS ..
.. 1000 LA GRANGE ..
.. INTS ..
643•BARRETT DIAMOND 5260996
651 JOHN SMITH 9 5274260
653 CARRIE MAE NICKSON 9 5231021
655 RODSEVELT NEWSON ¤5253034

1970-71
SOURCE: COLE

PEACH AVENUE



31 RESIDENCE

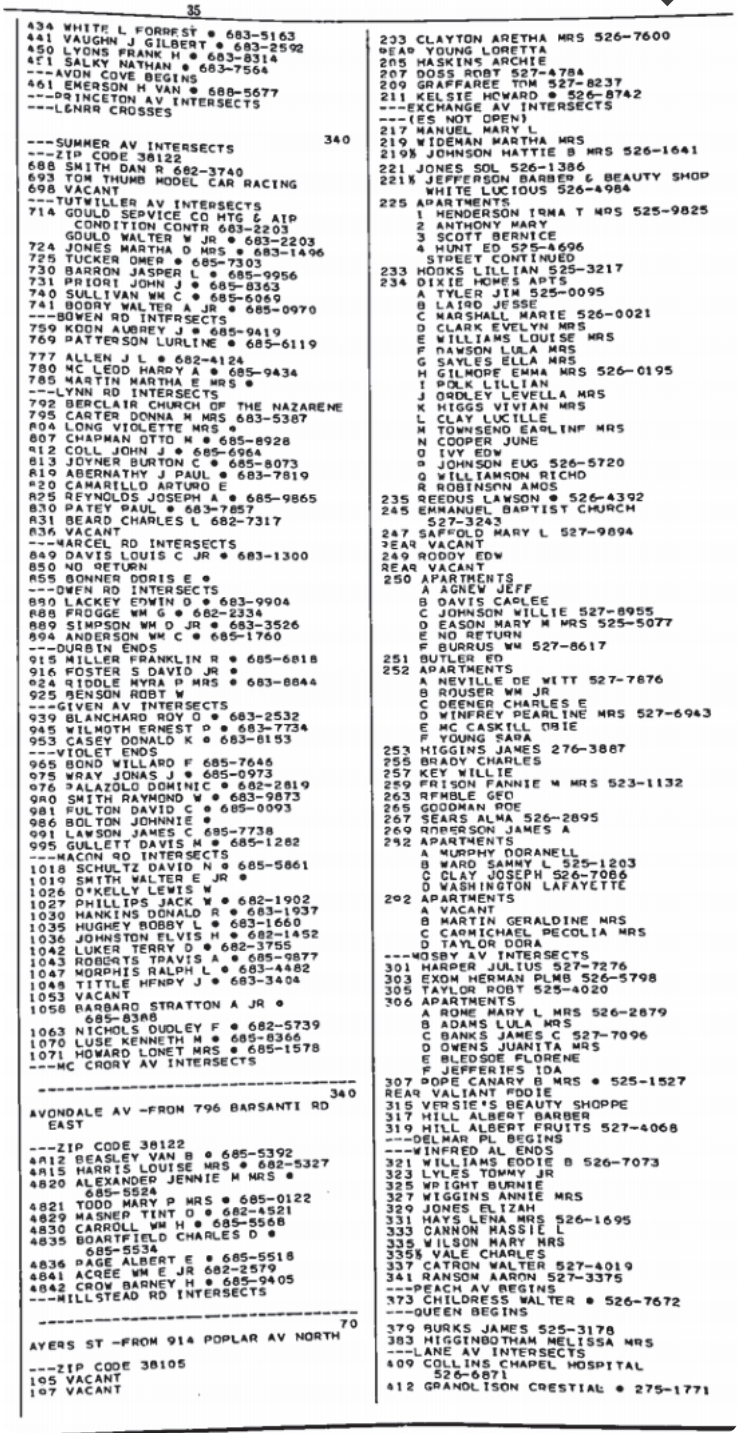
PEACH AVE

FROM 341 AYERS E

..... 900- 1099 TZ 24
..... 1200- 1449 TZ 25
..... 1660- 1849 TZ 26
983 NAPOLEON HILL
999 DOROTHY TRUESBY 9
ALBERT HUNT
MODEAN ADDISON 5
MAE LIZZIE BOYLAND
9
.. 300 DECATUR INTS
1027 S M JONES
8
.....
1208 MISS K E PRICE
1210 B M MOBLEY
1266 JOHN P HANSON JR 9
1270 PAT MCHUGH
MRS B MONAGHAN 4
MRS ADA L WOLF
MRS D W CANALE 3
1292 J D PRICE
.. 300 N CLAYBROOK
.. INTS
1305 PAULINE M SANDERS
1319 MRS RUBY HODGIN
1321 MRS CHARLES

1966
SOURCE: POLKS

AYERS - A



35

434 WHITE L FORREST • 683-5163
441 VAUGHN J GILBERT • 683-2592
450 LYONS FRANK H • 683-8314
451 SALKY NATHAN • 683-7564
---AVON COVE BEGINS
461 EMERSON H VAN • 688-5677
---PRINCETON AV INTERSECTS
---LENRR CROSSES

340

---SUMMER AV INTERSECTS
---ZIP CODE 38122
688 SMITH DAN R 682-3740
693 TOM THUMB MODEL CAR RACING
698 VACANT
---TUTWILLER AV INTERSECTS
714 GOULD SERVICE CO HTG & AIR CONDITION CONTR 683-2203
GOULD WALTER W JR • 683-2203
724 JONES MARTHA D MRS • 683-1496
725 TUCKER OMER • 685-7303
730 BARRON JASPER L • 685-9956
731 PRIORI JOHN J • 685-8363
740 SULLIVAN WM C • 685-6069
741 BODRY WALTER A JR • 685-0970
---BOWEN RD INTERSECTS
759 KOON AUBREY J • 685-9419
769 PATTERSON LURLINE • 685-6119

777 ALLEN J L • 682-4124
780 MC LEOD HARRY A • 685-9434
785 MARTIN MARTHA E MRS •
---LYNN RD INTERSECTS
792 BERCLAIR CHURCH OF THE NAZARENE
795 CARTER DONNA M MRS 683-5387
804 LONG VIOLETTE MRS •
807 CHAPMAN OTTO M • 685-8928
812 COLL JOHN J • 685-6964
813 JOYNER BURTON C • 685-8073
819 ABERNATHY J PAUL • 683-7819
820 CAMARILLO ARTURO E
825 REYNOLDS JOSEPH A • 685-9865
830 PATEY PAUL • 683-7857
831 BEARD CHARLES L 682-7317
836 VACANT
---MARCEL RD INTERSECTS
849 DAVIS LOUIS C JR • 683-1300
850 NO RETURN
855 BONNER DORIS E •
---DWEN RD INTERSECTS
880 LACKEY EDWIN O • 683-9904
888 FROGGE WM G • 682-2334
889 SIMPSON WM O JR • 683-3526
894 ANDERSON WM C • 685-1760
---DURBIN ENDS
915 MILLER FRANKLIN R • 685-6818
916 FOSTER S DAVID JR •
924 RIDDLE MYRA P MRS • 683-8844
925 BENSON ROBT W
---GIVEN AV INTERSECTS
939 BLANCHARD ROY O • 683-2532
945 WILMOTH ERNEST P • 683-7734
953 CASEY DONALD K • 683-8153
---VIOLET ENDS
965 BOND WILLARD F 685-7646
975 WRAY JONAS J • 685-0973
976 PALAZOLO DOMINIC • 682-2819
980 SMITH RAYMOND W • 683-9873
981 FULTON DAVID C • 685-0093
986 BOLTON JOHNNIE •
991 LAWSON JAMES C 685-7738
995 GULLETT DAVIS M • 685-1282
---MACON RD INTERSECTS
1018 SCHULTZ DAVID N • 685-5861
1019 SMITH WALTER E JR •
1026 O'KELLY LEWIS W
1027 PHILLIPS JACK W • 682-1902
1030 HAWKINS DONALD R • 683-1937
1035 HUGHEY BOBBY L • 683-1660
1036 JOHNSTON ELVIS H • 682-1452
1042 LUKER TERRY D • 682-3755
1043 ROBERTS TRAVIS A • 685-9877
1047 MORPHIS RALPH L • 683-4482
1048 TITTLE HENRY J • 683-3404
1053 VACANT
1058 BARBARD STRATTON A JR • 685-8388
1063 NICHOLS DUDLEY F • 682-5739
1070 LUSE KENNETH M • 685-8366
1071 HOWARD LONET MRS • 685-1578
---MC CRORY AV INTERSECTS

340

AVONDALE AV -FROM 796 BARSANTI RD EAST

---ZIP CODE 38122
4812 BEASLEY VAN B • 685-5392
4815 HARRIS LOUISE MRS • 682-5327
4820 ALEXANDER JENNIE M MRS • 685-5524
4821 TODD MARY P MRS • 685-0122
4829 MASNER TINT O • 682-4521
4830 CARROLL WM H • 685-5568
4835 BOARTFIELD CHARLES D • 685-5534
4836 PAGE ALBERT E • 685-5518
4841 ACREE WM E JR 682-2579
4842 CROW BARNEY H • 685-9405
---HILLSTEAD RD INTERSECTS

70

AYERS ST -FROM 914 POPLAR AV NORTH

---ZIP CODE 38105
105 VACANT
107 VACANT

233 CLAYTON ARETHA MRS 526-7600
REAR YOUNG LORETTA
205 HASKINS ARCHIE
207 DOSS ROBT 527-4784
209 GRAFFAREE TOM 527-8237
211 KELSIE HOWARD • 526-8742
---EXCHANGE AV INTERSECTS
---(ES NOT OPEN)
217 MANUEL MARY L
219 WIDEMAN MARTHA MRS
219½ JOHNSON HATTIE B MRS 526-1641
221 JONES SOL 526-1386
221½ JEFFERSON BARBER & BEAUTY SHOP WHITE LUCIOUS 526-4984
225 APARTMENTS
1 HENDERSON IRMA T MRS 525-9825
2 ANTHONY MARY
3 SCOTT BERNICE
4 HUNT ED 525-4696
STREET CONTINUED
233 HOOKS LILLIAN 525-3217
234 DIXIE HOMES APTS
A TYLER JIM 525-0095
B LAIRD JESSE
C MARSHALL MARIE 526-0021
D CLARK EVELYN MRS
E WILLIAMS LOUISE MRS
F DAWSON LULA MRS
G SAYLES ELLA MRS
H GILMORE EMMA MRS 526-0195
I POLK LILLIAN
J ORDLEY LEVELLA MRS
K HIGGS VIVIAN MRS
L CLAY LUCILLE
M TOWNSEND EARLINE MRS
N COOPER JUNE
O IVY EDW
P JOHNSON EUG 526-5720
Q WILLIAMSON RICHD
R ROBINSON AMOS
235 REEDUS LAWSON • 526-4392
245 EMMANUEL BAPTIST CHURCH 527-3243
247 SAFFOLD MARY L 527-9894
REAR VACANT
249 RODDY EDW
REAR VACANT
250 APARTMENTS
A AGNEW JEFF
B DAVIS CARLEE
C JOHNSON WILLIE 527-8955
D EASON MARY M MRS 525-5077
E NO RETURN
F BURRUS WM 527-8617
251 BUTLER ED
252 APARTMENTS
A NEVILLE DE WITT 527-7876
B ROUSER WM JR
C DEENER CHARLES E
D WINFREY PEARLINE MRS 527-6943
E MC CASKILL OBIE
F YOUNG SARA
253 HIGGINS JAMES 276-3887
255 BRADY CHARLES
257 KEY WILLIE
259 FRISON FANNIE M MRS 523-1132
263 RAMBLE GEO
265 GOODMAN ROE
267 SEARS ALMA 526-2895
269 ANDERSON JAMES A
292 APARTMENTS
A MURPHY DORANELL
B WARD SAMMY L 525-1203
C CLAY JOSEPH 526-7066
D WASHINGTON LAFAYETTE
292 APARTMENTS
A VACANT
B MARTIN GERALDINE MRS
C CARMICHAEL PECOLIA MRS
D TAYLOR DOR
---MOSBY AV INTERSECTS
301 HARPER JULIUS 527-7276
303 EXUM HERMAN PLMB 526-5798
305 TAYLOR ROBT 525-4020
306 APARTMENTS
A ROME MARY L MRS 526-2879
B ADAMS LULA MRS
C BANKS JAMES C 527-7096
D OWENS JUANITA MRS
E BLEDSOE FLORENE
F JEFFERIES IDA
307 POPE CANARY B MRS • 525-1527
REAR VALIANT EDDIE
315 VERSIE'S BEAUTY SHOPPE
317 HILL ALBERT BARBER
319 HILL ALBERT FRUITS 527-4068
---DELMAR PL BEGINS
---WINFRED AL ENDS
321 WILLIAMS EDDIE B 526-7073
323 LYLES TOMMY JR
325 WRIGHT BURNIE
327 WIGGINS ANNIE MRS
329 JONES ELIZAH
331 HAYS LENA MRS 526-1695
333 CANNON HASSIE L
335 WILSON MARY MRS
335½ VALE CHARLES
337 CATRON WALTER 527-4019
341 RANSON AARON 527-3375
---PEACH AV BEGINS
373 CHILDRESS WALTER • 526-7672
---QUEEN BEGINS
379 BURKS JAMES 525-3178
383 HIGGINBOTHAM MELISSA MRS
---LANE AV INTERSECTS
409 COLLINS CHAPEL HOSPITAL 526-6871
412 GRANDLISON CRESTIAL • 275-1771

AYERS ST--CONTD

414 VACANT
416 VACANT
424 TIDWELL MARY MRS
426 WICKS HENRY 276-1906

96

---AUTUMN AV INTERSECTS (NOT
---OPEN)
---L&NRR CROSSES
---GALLOWAY AV INTERSECTS
---(NOT OPEN)
593 APARTMENTS
A 1 LE BOUFF WAYNE A
B 2 BATEMAN CLYDE 526-1003
C 3 CASTLE BUFORD F 526-4736
D 4 HODGES LEDFORD W 525-4127

137

3607 CRENSHAW MORRIS A ●
3608 BICKERSTAFF ARTHUR L ●
3613 GOELITZ ELIN M ● 357-7635
3614 VACANT
3619 HUTCHERSON AUBREY G ●
3620 NO RETURN
3621 FLYNN HOWARD C
3625 BENFIELD CLETUS I ●
3626 VACANT
3631 BEASLEY MARVIN L 358-2929
3632 MILLER ROBT J ●
3637 RHEA WM E ● 358-5024
3638 POLK AMOS A ● 357-6007
3643 DEMERY JASPER C ●
3644 VACANT
3649 MELTON GILBERT ● 358-0428
3650 VACANT
3655 FLEMING ROBT A ● 357-0538
3656 VACANT
3661 TURNER ANDREW B ● 357-1449
3662 ROGERS JAMES D ●
3667 EMERSON THOS E ● 358-2783
3668 SHEPHERD STANLEY ● 357-7835
3673 NO RETURN
3674 TISDALE ROBT L ● 357-6174
3679 ELROD PAUL V ● 357-5478
3680 COMBS BILLY C 358-2204
3689 BREAZEALE CHARLES L ● 358-0792
3690 FIELDS VERNON ● 358-0112
3695 YOUNG WOODROW ● 357-6430
3696 WHITEHEAD ANTHONY J
3701 BYARS GERALD R ● 357-6735
3702 CLEM JOHN E ● 357-9872
3707 HALL FRANK P ● 358-3327
3708 RAPP CHARLES R ●
3713 SIBLEY HERSCHEL R ● 357-1798
3714 ROBERTS WM A ● 358-1041
3719 BASKIN JAMES ● 358-1929
3720 TODD TOMMY L 357-0564
3725 ROBERTS HENRY O ● 358-2572
3726 TIMBS JAMES M ● 357-9858
3735 HARRIS LAWRENCE W ● 358-3560
3736 PARKER ELIZ MRS ● 357-9634
---POINT CHURCH AV INTERSECTS

312

DEBBY STREET COVE -EAST TO DEBBY

---ZIP CODE 38127
3217 JONES LYDLE A ● 357-9998
3219 BEAVER PETER D ● 357-4041
3221 BURNETT WM C ● 358-2203
3223 NEMEC EMIL F JR ● 357-9640
3225 THORNTON HOMER D ● 357-9491
---DEBBY INTERSECTS

208

DEBORAH ST -FROM 1677 WELLS STATION RD EAST

---ZIP CODE 38108
4337 EMERY HORACE G ●
4338 ARMSTRONG BOBBY R ● 683-8386
4343 LOGAN ROBT T JR 683-5434
4347 WILBANKS THURMON ● 683-1422
4353 HOWELL HUBERT A ● 683-6976
4359 PARKER ROBT L 683-7921
4365 STEWART ARLIE A ● 683-3086
4368 TURNER FRED A JR ●
4371 COLVILLE A D ● 682-7496
4374 CROW DAVID C 682-2963
4375 ARCHACKI THEO J ●
4381 NICELEY TANDY C ● 682-2676
4384 NICELY DONALD G ● 683-7887
4385 HUNT FREEMAN S ● 685-5244
---NORVELL AV INTERSECTS

110

DECATUR ST -FROM 116 WASHINGTON AV NORTH

215 DIXIE HOMES APTS
A NASH DORTHY MRS
B HUNT JOHN B 526-7149
C JOHNSON FANNIE MRS
D HOLMES LOUVENIA MRS
E MACKLIN WILLIE MRS
F LEE CHARLIE
G PERKINS CORA MRS
H THOMPSON MARY B MRS
I WILSON FLORINE MRS 526-8729
J MONTGOMERY BRATTON
230 MOSBY BEAUTY SHOP 525-6039
MOSBY OLIVIA MRS ● 525-6039
233 APARTMENTS
A WOODARD GEORGIA MRS 526-6873
B PETTUS HENRY
C JONES JOHN 523-2106
D HORTON CALVIN E
E HAYS HOLLIS
F JACKSON MARY
G IRVINE BUSTER 525-1268
H DAY CASSIE MRS
I BROTHERS MATTIE
J BROWN KATIE MRS
K WHITE ANNIE L MRS
L WILLIAMS ELLA
M WALLS IDELLER L 523-1946
N DOUGLAS FANNIE 527-4839
O JONES CHARLIE 525-6210
P WEEKS THEOLA 526-4922
Q RHYMES MARGT MRS
R GROVE JAMES O 525-6090
236 ATKINS HERBERT ● 525-4083
242 CRAWFORD MATTIE MRS ● 525-1592
244 TAYLOR LULA 526-1778
246 SHELTON JAMES 526-4737
249 APARTMENTS
A DORTCH MATTIE MRS
B MILLER EDDIE
C BRADLEY VAN
D WARD CORA L 525-0931
E LESTER THOS H 527-4738
F HARRIS GLADYS
250 B & S GROCERY 274-6583
251 APARTMENTS
A CATRON JOHN A 525-2808
B JONES WILLIE
C COSTON MARVIN
D WEBB NELSON
E HOOPER IDA M MRS 526-2476
F WEBBER LILLIE B MRS
261 BIG BUNDLE LAUNDERETTE
---MERRIWETHER AV BEGINS
270 WAINWRIGHT ROY ● 276-7982
274 LETCHER MAMIE MRS ● 527-6966
278 COOK WILLIE ●
283 APARTMENTS
A JACKSON CARL
B SMITH ANNIE B MRS
C JOHNSON LULA A MRS 525-6635
D WOODS VIOLA
E PERRY ABE
286 HOOKS ETHEL R MRS ● 276-0061
290 WHITFIELD CALVIN J 276-4958
291 APARTMENTS
A HARRIS BOBBY P
B SANDERS ANNIE V
C SPENCER KATH MRS
D MACK WILLIE L
E CODIE JAMES 527-8928
F TRAYLOR WILLIE E
292 BUTLER EUG ● 275-2562
293 APARTMENTS
A HEMINGWAY MARY MRS 527-9710
B MARTIN DANL L
C BOLING JUANITA
D BOWDEN ANGELA
295 APARTMENTS
A HENDERSON JAMES 527-3849
B BANKS BETTY MRS
C BARBER EDDIE D
D GASTON BESSIE MRS
E GOLDEN T J
F SMITH MILTON
296 VAULX MARSHALL ● 275-9919
298 LUCKY FOOD STORES 276-9579
300 RANCH BURGER RESTR 276-2100
303 APARTMENTS
A HOUSTON FRANCES M MRS
B OLIVER LULA MRS 525-7192
C DAVIS CHARLOTTIE MRS 527-7993
D COTLEDGE ELLABELL 525-8915
E MACKLIN ERNESTINE MRS 527-7786
---DELMAR PL INTERSECTS
310 HUDSON FELIX
312 CHAMPION ROBT 276-0984
314 MILLER MOSE
316 WATSON ABR
320 JONES MILDRED MRS
322 WILLIS FRED
324 COLUMBUS BAPTIST CHURCH 276-2096
326 STARKS PAULINE MRS
327 APARTMENTS
A HERRON WM JR
B TEMPLE NATHAN
C PUGH MOZELLA MRS 278-0379
D LACY RUTHIE M
E WILLIAMS MACYLEAN MRS 274-3953
F BLAYDE RUTH A
328 WILBURN WILLIE N 272-3871
331 APARTMENTS
A BARTON ETHEL MRS 276-6550
B MC KINNEY HENRY
C BARRINGER ALVIN 276-9936
D VACANT
332 NEWBORN CHARLIE 274-6890
333 APARTMENTS
A THOMAS LOIS MRS
B ALLEN ROSEANNA MRS
C ALBRIGHT MARY L MRS 276-9954
D JONES CURTIS
E COLEMAN DAISY R
F SHELTON ROOSEVELT 275-6365
334 BYARS MAXINE MRS 274-0488
337 APARTMENTS
A TILLY SOPHIA
B GALES RAYMOND L
C DONALDSON DAVID 272-2838
D PREYER CHARLES E
343 APARTMENTS
A HARRINGTON CALLIE MRS 274-9463
B WILLIAMS IRENE E MRS
C EDWARDS EVELYN MRS 276-9994
D RHODES RUBY MRS
E JOHNSON ADA
F SMITH MINNIE MRS
346 MILLER ROSA I MRS ● 275-5400
348 WILLIS DOROTHY M MRS 278-0235
354 VACANT
---PEACH DR INTERSECTS
362 ROSS VIOLA MRS 274-2725
364 VACANT
366 VACANT
378 FOSTER CHARLIE
---OVERTON PARK AV BEGINS
381 HARVEY ROBT L 275-6783
383 HAMILTON EVA L MRS 275-7967
384 PROVIDENCE A M E CHURCH
387 DENNIS MOSE 274-8508
390 GLEESE JAMES L REV 276-5148
391 REMBERT CLIFTON B 527-6922
394 VACANT
395 DONOHO WILLIE M MRS 276-0067
397 SWIFT MARY F MRS ● 276-0053
398 BARNETT LEMORA MRS ● 276-0031
REAR VACANT
---LANE AV INTERSECTS
413 SAM & DAVE'S SUPER MARKET 884-5441
415 BLUFF CITY WRECKING CO 275-5706
REAR VACANT
422 MEMPHIS LIGHT GAS & WATER (SUB STA) 276-1512
---AUTUMN AV INTERSECTS
---(NOT OPEN)

96

---L&NRR CROSSES
456 COTTON STATES SUPPLY CO INC PLMB SUPS 272-1642
462 TUBE LIGHT ENGINEERING CO NEON SIGNS 276-4416

DECATUR ST--CONTD
467 GALLINI RALPH D • 527-6954
470 LUTTRELL BELTING & SUPPLY CO
278-0844
---GALLOWAY AV INTERSECTS
---FORREST AV INTERSECTS
---NORTH PKWY INTERSECTS
---FAXON AV INTERSECTS
---GREENLAWN AV INTERSECTS
---ZIP CODE 38107
599 NO RETURN
622 VACANT

98

---JACKSON AV INTERSECTS

70

PEACH AV -FROM 370 AYERS EAST

110

---DECATUR INTERSECTS
1027 BUTLER LOZIE B 276-2140
1031 WILLIAMS HELEN 274-3898
1208 NICKELS LESLIE A MRS •
275-5147
1210 MOBLEY ANNA L MRS • 276-3834
1266 NO RETURN
1270 WOLF ADA L MRS • 276-2500
MC HUGH MARGT MRS 275-3419
1292 PRICE JAMES D • 275-8011

411 H W Halsey MU3-5513
413 Delbert M Auten MU3-6813
421 Earl C Ford MU5-7720
431 E E McAteer MU5-6542
434 B H Kubik DDS MU3-7002
441 Mark Robertson MU3-8388
450 Frank H Lyons MU3-8314
451 J F Scully MU3-6234
461 Chester G Allen MD MU3-8152
PRINCETON INTERSECTS
SUMMER AVE INTERSECTS
688 J Arch McMahan MU3-7683
690 Wm R Mitchell MU2-2963
TUTWILER AVE INTERSECTS
714 C E Clayton Jr MU3-1482
724 Grady Jones MU3-1496
725 E H Gregory Jr MU3-0076
730 Mrs Ruth Barron MU5-9956
731 Jno Priori MU5-8363
740 Wm C Sullivan MU5-6069
741 Walter A Bodry Jr MU5-0970
BOWEN RD INTERSECTS
759 Aubrey J Koon MU5-9419
777 E E Matthews Jr MU5-5273
780 Harry A McLeod MU5-9434
785 B F Martin MU5-9793
LYNN RD INTERSECTS
792 Berclair Church of The Nazarene MU2-6969
795 Nelson Ishmael MU2-5364
804 Wm S Ford MU5-0897
807 Otto M Chapman MU5-8928
812 Jno J Coll MU5-1049
813 B C Joyner MU5-8073
819 Jno S Pitts MU5-0793
820 Mrs Sam Barsanti MU5-6696
825 J A Reynolds MU5-9865
830 Paul Patey MU3-4171
831 Milton Kyle MU5-5039
836 T K Marshall MU5-0557
MARCEL RD INTERSECTS
849 L C Davis Jr MU3-1300
850 J D Boladz MU3-8567
855 Jesse H Land MU3-1520
OWEN RD INTERSECTS
880 E D Lackey MU3-9904
888 Jos M Hightower MU5-7504
894 Geo R Haynes MU5-9658
DURBIN ENDS
915 Franklin R Miller MU5-6818
916 S Dave Foster Jr MU3-1913
924 Frank Riddle MU3-8843
925 Claude G Turner MU2-3249
GIVEN AVE INTERSECTS
939 Roy Blanchard MU3-2532
945 E P Wilmoth MU3-7734
953 Mary Ann Anderson MU5-6747
VIOLET ENDS
965 Perry W Nelson MU5-1641
975 Jonas J Wray MU5-0973
976 C Lawrence Hawkins MU3-9456
980 Wanda Gambill MU3-9423
981 David C Fulton MU5-0093
986 J E Brown MU3-7470
991 C C Ritchie MU2-6918
995 Davis M Gullett MU5-1282
1018 David N Schultz MU5-5861
1019 W E Smith Jr MU5-1293
1026 Raymond C Long MU3-3608
1027 J R Wales MU5-1139
1030 Don R Hankins MU3-1937
1035 Bobby L Hughey MU3-1660
1042 Saml C Simms Jr MU3-9877
1043 Roger G Canada MU3-9441
1047 R L O'Bannon MU5-8858
1049 Mrs Billy Patillo MU3-1449
1053 Wm L Hall MU5-8096
1058 Mrs S A Barbaro Jr MU5-8388
1070 Kenneth M Luse MU5-8166
1071 Marvin Howard MU5-1578
MCCRORY INTERSECTS

AVONDALE ROAD 17

796 BARSANTI RD, EAST TO MILSTEAD RD

4812 V B Beasley MU5-5392
4815 Paul B Stubblefield MU5-5378
4820 M H Alexander MU5-5524
4821 Jno N Dickey MU5-0122
4821 Mrs Mary Todd MU5-0122
4829 Mrs Virginia Masner MU2-4521
4830 Wm H Carroll MU5-5568
4835 C D Boartfield MU5-5534
4836 Albert E Page MU5-5518
MILSTEAD RD INTERSECTS
4841 J M Avanzi MU3-0150
4842 B H Crow MU5-9405

AWINA ROAD

3239 Nolen Byrden FA7-2071
3239 Mary Hubbard FA7-2071

AYERS 5

FROM 914 POPLAR AVE NORTH

203 Aretha Clayton JA6-7600
207 Robt Doss JA7-4784
209 Tom Graffaree JA5-6002
211 Howard Kelsie JA6-5480
EXCHANGE AVE INTERSECTS
219 Hattie B Johnson JA6-6336
219 Laverne Watkins JA7-8294
219 Martha Wideman JA7-8294
221 Ida B Jones JA6-1386
221 Lucious White JA6-4984
225 Erma Henderson JA5-9835
225 Lawrence Spicer JA6-3570
225 Willie Tate JA7-9814
225 Cannater Warren JA6-2893
225 Cleopatra Warren JA6-2893
233 Lillian Hooks JA5-3217
234 Helen R Cole JA6-6053
234 Mildred Crittenden JA6-2304
234 Emma Gilmore JA6-1463
234 Madie Jones JA7-7230
234 Elizabeth McKinney JA6-1389
234 Amos Robinson JA5-1191
234 Mattie S Stewart JA6-1602
234 Earline Townsend JA7-4556
234 Jan Williamson JA6-2579
234 Irene Young JA7-4855
235 Lawson Reedus JA6-4392
245 Emmanuel Bapt Ch JA7-3243
247 O G Barbee JA5-0093
250 Willie C R Burrus JA7-8617
250 Mary M Eason JA5-5079
250 Edw D Smith JA3-2789
250 Stella Mae Smith JA3-2789
251 Clardell Hayes JA7-1938
252 Irene King JA5-8814
252 Dewitt Neville JA7-7876
252 Emma Lee Rome JA5-1991
252 Eugene Rome JA5-1991
253 Julia Duncan JA7-7276
259 Fannie M Frison JA7-4114
265 Mary Lou Tucker JA5-3930
267 Zula Green JA7-7898
282 Rosa B Clay JA6-7086
282 C E Freeman JA5-9802
282 Margaree McWilliams JA7-8169
292 Walter A Anderson JA5-4091
292 Dorothy Watkins JA7-0632
292 Franklin R Watkins JA7-0632
MOSBY AVE INTERSECTS
301 Susie Bell Jones JA5-6141
303 Herman Exom JA6-5798
305 Walter Russell JA5-2957
306 Mary Ann Anderson JA6-8061
306 Mary L Finley FA6-8061
306 Jerry Kinsey JA5-6166
307 Mrs Canary Pope JA5-1527
DELMAR PL BEGINS
WINFRED AL ENDS
331 Mary A Patton JA6-1695
335 Jno H Townsend JA7-0678
337 Walter Catron JA7-4019
341 Pinkie Ransom JA7-3375
345 Clifton B Rembert JA6-1648
351 Willie M Allbritton JA7-4812
351 Willie M Barnett JA6-5919
351 Jewell Smith JA6-5919
355 Jas P Hunt JA5-0320
359 Marie Marshall JA6-0021
361 Mary Sargent JA5-7219
361 Elnora Smiley JA5-7219
365 Posey M Hill JA5-4972
367 Steve H Childress JA6-7672
PEACH AVE BEGINS
LANE AVE INTERSECTS
409 Collins Chapel Hosp JA6-6871
412 Gladys M Grandlison BR5-1771
414 Wm Tibbs BR6-2387
424 Rosa B Warren BR5-2835
426 Richard Smith BR5-6300
L & N RR CROSSES
GALLOWAY AVE INTERSECTS
FORREST AVE BEGINS
N PARKWAY AVE INTERSECTS
FAXON AVE INTERSECTS
POSTAL ZONE 7
598 Carl L Hartie JA7-9985
602 A M Hudspeth JA7-9759
602 Miss Sarah Woolley JA7-9759
JACKSON AVE INTERSECTS
631 Mrs Estelle Howard JA7-7074
638 Pearl L Johnson JA7-5598
640 Mary L Shelton JA7-9753
640 Mattie Towns JA7-9753
642 Sammie Harris JA3-1179
644 Ada Lay JA7-3295
648 Johnnie Bankhead JA6-5386
ORPHANAGE AVE ENDS
650 Evelyn H Turner JA3-2838
652 Marie Hickman JA5-8546
656 Earnest Silas JA5-7730
656 Mrs Ruth H Watson JA6-3915
658 Mrs Armelda J Buford JA5-2789
658 Jesse Clark JA5-2789
660 Lucy Lee Thomas JA7-0621
662 Mrs Carrie D Ellis JA6-4615
664 Amos McClendon JA6-8533
666 Jeanie Mae Bowles JA6-7216

3558 Wm T Hurst EL7-
3563 Mrs Nolen Powers EL7-
3575 Bryce M Canerdy EL7-
CORNING AVE INTERSECTS
3576 Barbara Jean Cook EL7-
3595 Roy D Canerdy EL7-
3596 T E Barber EL7-
3601 Bobby L Pope EL7-
3608 Charlie E Dial EL7-
3613 Elim M Goelitz EL7-
3619 Wallace S Witham EL7-
3620 Jesse Lewis EL7-
3625 Cletus Benfield EL7-
3626 Franklin P Jones Jr EL7-
3631 Joe McKinney Jr EL7-
3632 Mrs Eliz McCormick EL7-
3637 V E Forsythe EL7-
3638 Amos Polk EL7-
3644 Ruby Lee Rainey EL7-
3649 Arnold H Reiske EL7-
3650 Chas Rutherford EL7-
3655 Jas C Garland EL7-
3662 Sam S Davis EL7-
3667 Chas H Lipe EL7-
3668 W H Stobing EL7-
3673 Mrs S Nick Finzo EL7-
3674 R L Tisdale EL7-
3679 Paul V Elrod EL7-
3680 Edw W Conrad EL7-
3689 Jack L Sanders EL7-
3695 Woodrow C Young EL7-
3696 Chas E Stovall EL7-
3701 Gerald R Byars EL7-
3702 Jno E Clem EL7-
3707 Jno R Champion EL7-
3713 Jno H Rice EL7-
3714 Wm R Roberts EL7-
3719 Roy Dunbar EL7-
3720 Nadine Collier EL7-
3720 O O Collier EL7-
3735 Jno J Foster EL7-
3736 A J Coppola Jr EL7-
POINT CHURCH AVE INTERSECTS

DEBORAH

FROM 1677 WELLS STA RD EAST

4337 Jas A Jenkins MU3-
4338 Bobby Armstrong MU3-
4343 Leslie Sexton MU3-
4347 Henry L Richardson MU2-
4353 Hubert A Howell MU3-
4359 Billy H Garrett MU3-
4365 Jose S Barajas MU2-
4371 Jack W Warren MU3-
4374 Floyd Young MU3-
4381 C E Whitman MU2-
4384 Donald G Nicely MU3-
4385 C J Preston MU3-
NORVELL AVE INTERSECTS

DECATUR

FROM 1116 WASHINGTON AVE NORTH

143 Eldr Leon A Thomas JA6-
146 Vee Poole JA5-
147 Kid Marshall JA6-
147 Lottie May Marshall JA6-
151 Clara Davis JA5-
151 Frank Davis JA5-
157 Cleveland Arnold JA7-
POPLAR AVE INTERSECTS
212 Douglas B Hall JA6-
DIXIE HOMES
215 Leroy Johnson JA3-
215 Joe Jones JA3-
215 Florine Wilson JA6-
230 Olivia Mosby JA5-
233 Marguerite Armstrong JA5-
233 Kattie Bell JA6-
233 Mrs Ida H Brooks JA5-
233 Doris Clift JA6-
233 Leona Duncan JA6-
233 Anna Evans JA6-
233 Ida Evans JA6-
233 Jas O Grove JA7-
233 Hattie Hostom JA6-
233 Bessie Irvine JA5-
233 Annie C Johnson JA6-
233 Ossie Thompson JA6-
233 Ideller Walls JA3-
233 Rosie Winbush JA5-
233 Georgia Woodard JA6-
236 Martha Atkins JA5-
242 Mattie Crawford JA5-
244 Lillie Mae Ewell JA6-
244 Doris Winters JA3-
246 Eva Kate Gaines JA5-
249 Chas Buford JA6-
250 W H Rounsaville JA5-
251 Jno A Catron JA5-
251 Mrs Ida M Hooper JA6-
251 Lizzie McNeal JA5-
251 Mamie Suewell JA5-
251 Minnie Williams JA7-

DECATUR (CONT)

262 Dixie Mms Snack Bar BR6-9145
MERRIWETHER AVE BEGINS
270 Roy Wainwright BR6-7982
MOSBY AVE INTERSECTS
274 Jas Letcher BR5-6329
278 Willie Cook BR5-7125
283 Lula Ann Johnson JA5-6635
286 Mrs Ethel R Hooks BR6-0061
290 Calvin J Whitfield BR6-4958
291 Mrs Norma Carter JA6-1500
291 Jas Codie JA3-3001
291 Mrs Marie Horton JA7-9754
292 Eugene Butler BR5-2562
295 Hamp Marzett JA7-0891
296 Marshall Vaulx BR5-9919
298 Lucky Food Stores BR6-9579
300 Patty-Kream BR5-5789
303 Jessie Bradford JA6-3563
303 Charlottie Davis JA7-7993
303 Willie Mae Holloway JA6-4975
303 Loreaner Oliver JA5-7192
DELMAR PL INTERSECTS
310 Harold Tucker BR5-7310
312 Estella Champion BR6-7580
314 Jimmie Mathews BR6-7169
320 Annie Burks BR4-7988
324 Columbus Bapt Church BR6-2096
326 Ollie Hart BR4-6542
331 Alvin Barringer BR6-9936
331 Vera Z Peterson BR6-7546
331 Herman T Shelton BR5-2238
332 Charlie Newborn BR4-6890
333 Emma Mae Mason BR2-3829
333 Emma L Richmond BR5-3768
334 Elige Cheathom BR6-7473
336 Alberta Davis BR5-6322
336 Limmie Davis BR5-4418
336 Louis Macklin BR5-9082
337 Jas A Fain BR4-8022
337 Margaret E Thompson BR2-3687
337 Chas Edna Walls BR5-4906
343 Evelyn Edwards BR6-9994
343 Fannie Larry BR5-1012
346 Mrs Iola Miller BR5-5400
348 Dorothy Mae Willis BR5-4966
350 Carl Smith BR5-4347
357 Elijah Cleaves BR5-1065
357 Clarence Daniel BR4-8344
357 Fred Harmon BR6-6769
PEACH DR INTERSECTS
362 Corinne Reed BR6-7762
364 Eliza Williams BR5-9876
366 Rosie Moore BR5-4298
366 Louella Wilson BR5-4298
368 Ora Lee Davis BR5-2891
370 Elton A Moss BR5-3357
373 B L Watson JA5-1768
376 Essie Seward BR5-2456
377 West A Webb Jr BR6-0569
OVERTON PARK AVE BEGINS
381 Robt L Harvey BR5-6783
383 Eva Hamilton BR5-7967
387 Mose Dennis BR4-8508
390 Rev J C Miller BR5-2861
391 Rev W M Fields BR6-0592
394 Arthur Morris BR5-1503
395 J C Donoho BR6-0067
397 Mary F Swift BR6-0053
398 G W Barnett Sr BR6-0031
LANE AVE INTERSECTS
413 Bluff City Wreckng Co BR5-5706
413 B & P Groc BR5-5706
413 Weona Food Stores BR5-5706
417 W J Rigg Cut Stone Co BR6-2871
456 Cotton States Supl Co BR2-1642
467 Ralph Gallini Jr JA7-6954
470 Lamatt Agcy Inc BR6-2732
470 Southern Heater Co BR6-2732
GALLOWAY AVE INTERSECTS
FORREST AVE INTERSECTS
N PARKWAY AVE INTERSECTS
FAXON AVE INTERSECTS
GREENLAW AVE INTERSECTS
599 Dorothy G Wilson JA7-7057
599 Mitchell Wilson JA7-7057
POSTAL ZONE 7
609 Gus Pittman JA6-3517
622 W C McMillen JA5-3910
JACKSON AVE INTERSECTS
641 Mrs Ellie Phillips JA6-4302
642 Robt Ford JA5-2963
643 Diamond Barrett JA6-0996
644 Annie Graves JA6-3021
645 Anna Coleman JA7-7766
645 Agnes L Price JA7-4292
647 Tom Gooden JA6-1331
648 A A Britton JA6-5416
649 Bertha C Thomas JA7-7709
655 Theresa Smith JA3-2813
656 B H Fuller JA6-6377
657 Leon Porter JA6-1780
657 Mildred Porter JA6-1780
659 Ira S Humphrey JA5-2097
660 Oscar C Willey JA6-1741
661 Chester Mitchell JA5-4152
665 Clarence R Holt Sr JA5-3185

1960-61

SOURCE: DIRECTORY PUBLISHING CO

PEACH AVENUE

PEABODY AVE CONT
1953 W H Flautt BR5-1453
1955 Mrs E M Simmons BR4-1199
1955 Mrs W W Simmons BR4-1199
1958 Jos F Strebel BR6-5183
1959 Thos D Moss BR4-6727
1961 K W Goodman BR6-7073
1962 Miss Laurie Cash BR5-9930
1962 Mrs Dabney H Lea BR5-9930
1963 W B Bridgeforth BR4-0512
1978 Kenneth Larkey Jr BR6-4301
1980 Mrs Thelma Seymour BR5-1883
S REMBERT INTERSECTS
1993 Mrs Tillie Copeland BR6-8900
1998 Jack H Artman BR5-7657
1999 Mrs D H Hager BR5-3830
2003 Frankie Lou Bryant BR4-1378
2009 W J Reynolds BR6-5226
2011 Mrs K M Coleman BR6-8401
2013 Ralph Rehm BR4-8487
2017 Fraser Aylesworth BR4-4361
2023 Wilbur Fowler BR6-3715
DIANA INTERSECTS
2030 Ida L Crail BR4-8430
2034 Mrs Marie Barrow BR5-9145
2037 J C Romeo BR4-1749
2039 Dave D Costin BR6-0774
2043 Rudell Forrest BR6-6625
2043 Jean Wessell BR2-2200
2046 Frank Grasmick BR4-4393
2046 Mrs P G McClure BR4-4393
2047 Melvin Kendall BR4-4466
2050 Mrs Virginia Loving BR4-5581
2051 Annette Williams BR6-7856
2051 Billy G Williams BR6-7856
2056 Mrs Tom Stewart BR4-7027
2062 Roy Hodge BR4-7439
2062 Miss Jean Smith BR4-8030
2063 Jas J Morris BR6-8740
2064 Mrs C A Jones BR4-0384
2065 Bradley Driving Schl BR4-2913
2065 Broadway Safe Drvng School BR4-2913
2065 Leonard S Newbill Sr BR2-3576
2065 Leonard S Newbill Sr BR4-2913
2070 Otis Barnett BR6-2961
2071 W W Franklin BR2-1407
2073 W E Webb BR2-2828
S FLORENCE ENDS
2075 J R Foote BR6-6911
2080 A L Aydelott & Assoc BR2-1702
2085 Mrs W L Williams BR5-5724
2089 Mrs Fay Kramer BR4-7362
2093 Jno A Vann BR4-4732
2095 Chas J Johnson BR4-4549
2095 Robt A Johnson BR4-4549
2103 Edw C Haynie BR4-1407
2103 Miss Verlon Strickland BR5-5992
2105 Mrs Hattie Coopwood BR6-1528
2107 Herman G Joyner BR5-9005
2113 Mrs S A Meltzer BR5-5704
S COOPER INTERSECTS

PEACH AVE

FROM 370 AYERS EAST

945 DIXIE HOMES
945 Martha N Lee JA5-5991
945 Georgia L Walker JA7-3838
947 Jas Cox JA6-1024
947 Elsa Ingram JA6-8671
947 Lexola Townsend JA6-1610
947 Cora Williams JA7-7080
949 Bessie B Ealy JA5-1791
949 Dorothy Jones JA5-4990
949 Alsady Wilkins JA5-9959
949 Lee L Wilkins JA5-9959
DIXIE MALL ENDS
970 Dorothy Green JA6-6977
972 Clifton Satterfield JA6-6298
976 Golden Leaf Bapt Ch JA5-8695
981 Frank Herron JA7-8951
981 Callie Stewart JA6-1832
981 Mattie Wright JA5-0029
982 Alberta Brown JA7-7236
983 Irene Burford JA5-7913
983 Inez I Coston JA5-2252
983 Lovia Rodgers JA7-9659
985 Mary E Gilmore JA5-3824
985 Aline Thomas JA6-4964
986 Jas E Shelton JA6-1687
990 Blanche Owens JA5-4178
997 Ben Thos Adams BR5-9854
997 Jas Willie Hill BR5-9958
997 Corrie Smith BR4-9727
999 Sally A Brown BR5-8863
999 Lula Crutchfield BR6-0870
999 Geo T James BR4-8236
999 Geo Jenkins BR4-8943
1001 Clara V Davis BR4-5537
1001 Ruby Jean Davis BR4-5537
1001 Willie P Ford BR3-1745
1001 Jas Edw Higgins BR6-5887
1001 Minnie Stanton BR5-0038
1002 Sylvia L Rice JA6-4508
DECATUR INTERSECTS
1032 Calvin Gipson BR5-7938
1033 Ivory McIntyre BR5-7938
BR5-7493
1037 Leo F Hall BR4-1467
1038 Turner Armstrong BR4-5741
1038 Claude Littlejohn BR5-7001
1041 Charlie Shaw BR5-2050
1042 Lee J Gordon BR5-6159
1046 Miss Willie M Webb BR5-0700
1049 Sallie Griffin BR5-2654
1050 Rev E V Toney BR4-6723
1055 Charlie Rivers BR5-4022
1055 Isiah Tucker BR2-2010
1063 Alice M Brown BR5-6347
1064 Mrs F E Malone BR4-5241
1065 Addie Everett BR5-0900
1073 Robt Edw Lee BR2-7002
1080 Wm Godfrey Smith BR6-0051
1081 J L Ezekiel
POSTAL ZONE 4
N WALDRAN INTERSECTS
LEWIS INTERSECTS
BELLEVUE INTERSECTS
1208 Mrs W B Nickels BR5-5147
1210 B M Mobley BR6-3834
N MONTGOMERY INTERSECTS
MALVERN INTERSECTS
1266 Eaculin Crick BR4-9847
1266 Cleatus B Houston BR2-1168
1270 Pat McHugh BR5-3419
1270 Mrs B Monaghan BR6-2500
1270 Mrs Ada L Wolf BR6-2500
1292 Mrs L M Gentry BR4-7311
1292 J D Price BR5-8011
N CLAYBROOK INTERSECTS
1305 Mrs Owen R Lively BR6-0744
1319 W J Newhouse BR5-6218
1321 Chas Ellis BR5-2458
1325 Bobby Lambert BR4-0992
1327 Myrna Emerson BR5-3707
N CLEVELAND INTERSECTS
N WATKINS INTERSECTS
N MCNEIL INTERSECTS
N WILLETT INTERSECTS
DICKINSON INTERSECTS
POSTAL ZONE 12
1662 Mrs Ernestine Lacy BR4-2667
1662 Paul R Wilkins BR2-2255
1663 G S McIntyre Sr BR4-7747
1668 Rev Robt G Lee BR5-8120
1669 Mrs Ramelle Rutland BR5-9819
1675 W B Wylie BR6-0794
1679 Albert S Kyle BR5-4787
1683 Rev Jos P Colvin BR2-7688
1684 Geo Wishart BR6-4929
1687 T A Canale Jr BR5-2862
1687 Jno B Nagaoki BR5-2862
1688 Mrs Karen C Wishart BR4-8093
1694 Alvin M Cone BR5-9800
1694 Elizabeth Cone BR5-9800
1695 E H Poor BR5-2445
1698 V J Eschmann BR4-1575
1699 Peyton L Noshall BR5-4014
1704 M V Dickert BR6-9057
1705 E H Hart BR5-6721
N EVERGREEN INTERSECTS
1716 Bernice Smith BR5-7418
1717 Carolyn Lewis BR4-2940
1717 Mildred Siak BR4-0347
1722 Carl E Hookings MD BR4-4672
1723 Mrs Edna S Baker BR5-4181
1723 Blanche S Pollard BR5-4181
1723 C H Riley BR5-1329
1726 Hudson B Holmquist BR6-8986
1727 Strother N Asquith BR6-2295
1727 Chas C Hutson MD BR4-0227
1728 Mrs Elizabeth Burton BR5-3493
1732 Bobby E Dickson BR4-7903
1732 Wm J Thomas DSC BR6-1056
1733 Mrs David M Davis BR4-7481
1736 Mrs J C Prichard BR2-2920
1737 Harold B Thompson BR4-6913
1737 Irene Thompson BR4-6913
1742 Lester C Scott BR6-3869
1743 T M Lowry Jr BR5-7227
1746 Dan C Mitchell BR6-7231
1747 Rev Robt Goddard BR4-4457
1750 R M Robbins BR5-3679
1753 E W Goessling BR6-0230
1756 Harry Panduward BR5-6562
1757 B F Jones BR5-5347
1762 R F Miller BR4-5688
1763 E T Cruse BR5-4761
1767 Margaret Patterson BR4-5792
1769 Wm I McLain BR6-6934
HAWTHORNE INTERSECTS

PEACHTREE

FROM HENRY NORTH TO 3453 MACON RD

1022 N E Thornton FA4-0949
1028 Andrew L Durbin FA7-3910
1034 Blake Cornatzar FA4-8997
1040 Mrs Louise C Stanley GL2-2324
1044 H L Archer Jr FA3-6153
1052 Harry B Daniels GL2-6355
1058 Don P Corum GL8-7626
1062 Ronald D Murray GL8-9383
1068 Mrs Harry Griggs FA3-8785

1954

SOURCE: DIRECTORY PUBLISHING CO

AYERS

394 Arthur Campbell 5-6708
396 Tommie Hebron 5-4655
396 Mollie Ann Jackson 5-3877
396 Harry Paige 8-7898
398 Dot Lowe 5-5942
402 Pariloe Crawford 37-3278
E Butler Ave Intersects
406 Precious Christian 37-5177
518 Mary Julia Williams 5-5795
523 Wm H Johnson 8-8047
525 Mattie Britton 8-0558

AVERY AVE

(E Parkway, S., east, 1 Bl south of Union)

2371 Maurice L Caldwell 33-1607
2395 Wm L Gaylor 48-3910
2399 Mrs W S Douglas 34-0595
2405 Mrs Theo N Neal 4-3805
2411 Roy F Story 48-5147
2415 Emmett N Swepston 62-5513
2421 Mrs Courtney Miller 4-1467
2461 William F George 33-1509
2469 Mrs Agness Wood 34-5023
2487 Mrs M F Cavallo 33-3963
St Agnes Ends
2491 Kristi Bevan 34-1109
2501 A V Jones 33-1467
2505 R M Collier Sr 33-2107
2509 B V Edwards 33-4247
Prescott Begins
2521 Hubert F Poteete 33-1483
Bunlyn Intersects
2524 US Marine Corps 34-9425

AVON ROAD

(4738 Walnut Grove Rd north)

33 Elmer C Schultz MD 34-7550
47 William D Jemison Jr 33-0983
65 Wm F Murrah Jr MD 33-7158
73 Walter G Wunderlich 34-7327
80 Thomas J Bradley 4-4278
81 Jno Galella Jr 4-0793
91 R E Shubert 34-4043
Normandy Ave Intersects
110 S J Falazolo 34-0320
130 E L Diamond 62-4515
Barfield Rd Intersects
168 R G C Kraemer 48-0836
171 G C Tashie 34-1612
178 R E Fears 33-4604
181 Geo W Bush 62-6917
186 John C Cameron 33-6566
196 Glenn C Carpenter 33-4204
197 Mrs Mildred Freeze 33-8881
207 Philip N Saliba 34-2444
225 J C Ellis 34-6423
225 Albert W Lyles 34-6423
241 Henry E Frey 4-5739
336 Henry B Schmoller 33-5181
346 Mario Caruso 33-7956
360 Edgar N Almy 33-3648
389 Philip E Pierini 34-2364
401 E H Harrison 34-9802
411 Richard M Humphrey 4-5759
412 Emmel B Holden 33-2333
413 Delbert M Auten 34-1745
Princeton Intersects
688 Everett J Dollar 34-6315
698 F R Casey 34-1217
714 C E Clayton Jr 34-4234
724 H Grady Jones 34-0306
725 H M White 48-2536
731 Jno Priori 33-4985
740 Wm C Sullivan 62-6026
741 Walter A Bodry Jr 62-2604
759 Aubrey J Koon 34-5430
769 W J West 33-0525
777 E E Matthews Jr 48-8765
807 Otto M Chapman 33-4019
812 Mrs B Blankenship 34-3559
812 Jno J Coll 34-3559
813 B C Joyner 33-3137

AYERS

(Poplar Blvd, north, 2 bl east of N Dunlap)

197 Wirt's Barber Shop 5-9189
203 Alice Pamplin 8-7600
207 Robert Doss 37-4784
209 Tom Graffarce 8-4614
211 Howard Kelsie 8-5480
Exchange Intersects
217 Leon Clemons 37-4573
219 Allean Griffin 37-0395
219½ Hattie B Johnson 8-6336
221 Mrs Verna J Ward 8-3681
221½ Jefferson Barber & Beauty Shop 8-9695
Dixie Homes
234 Gussie Bond 5-7597
234 Annie Mae Cross 5-1371
234 Pearl Jefferson 5-4161
234 Grace Jones 38-1696
234 Isabelle Moseley 5-4761
234 Natalie Robinson 5-1583
234 Mozella Smith 5-2034
234 Lucille Steels 5-5964
234 Mattie Smith Stewart 5-7633
234 Odessa Winter 8-2511
235 Lawson Reeders 8-4392
239 Allie V Edwards 37-9588
247 Walter Russell 8-6239
250 Carrie Lee Muse 5-1816
250 Mary Jane Walker 5-4094
252 Beatrice Helem 37-1856
252 Irene King 5-8814
Street Continued
245 Emmanuel Baptist Ch 37-3243
249 Claradel McCulley 37-3938
251 John Etta Simpson 8-1520
253 Julia Duncan 37-7276
259 Fannie May Frison 37-1778
267 Martha Berry 8-4236
282 Augusta Lee 5-2266
282 J A Rowan 8-6212
292 Lenna Cramp 5-4091
292 Coley Woodfork 37-6722
Mosby Ave Intersects
301 Susie Bell Ivy 5-6141
303 Herman Exom 8-5798
303 Imogene Exom 8-5798
305 Wm M Henderson 8-8098
306 Henry Anderson Jr 37-2285
306 Bobbie Jean Dillard 5-1351
306 Jerry Kinsey 37-6472
307 Mrs Canary Pope 5-1527
315 Jerry T Newsom 5-9725
317 Hill's Barber Shop 38-9619
319 Frances Hill 5-2991
Delmar Pl Begins
Winfred Alley Ends
323 Mary G Edwards 5-1892
327 Mattie Rand Horton 8-7005
331 Mary A Shelton 8-1695
335 Willie Hatch 8-2446
335½ John H Townsend 37-0678
341 Zillah McKinney 8-2557
345 Louis G Sutton Jr 5-2826
351 Georgia Williams 5-3707
355 Blanche R Hunt 8-6325
359 Marie Marshall 8-0021
361 Mary Sargent 5-7219
363 Mary Chambers 37-1188
367 Steve H Childress 8-7672
Peach Ave Intersects
379 Daisy Woodard 5-0024
383 Edna Whitmore 5-5024
Lane Ave Intersects
403 Winnie Tracy 36-0962
409 Joe Davies 36-6573
412 Gladys M Grandilson 36-8371
414 Robt Lee Webb 36-7706
416 M Higginbottom 36-3506
418 Anna Winston 36-4829
426 Vera Stevenson 36-1331
Autumn Ave Intersects
Galloway Ave Intersects
N Parkway Intersects
598 Carl L Hartle 37-9905
602 Everett T Reid 8-2968
Jackson Ave Intersects
631 Robert Jamieson 37-3169
632 Jas Pugh 5-8907
638 Pearl Leaner Wilson 37-5598
642 Sammie Harris 38-1175
Orphanage Ave Intersects
652 Marie Hickman 5-8545
656 Earnest Silas 5-7710
656½ A W Fitzhugh 5-9869
656½ Okie Gloss 5-9869
660 Lucy Lee Thomas 37-0525
662 Carrie Elsa 8-4415
664 Amos McClendon 8-8523
666 Jeanie Mae Bowles 8-7294
668 Henry Loving 37-8784
672 Jas N Walker 37-9294
674 George Bowers 37-0647
675 Sidney H Murray 5-1350
676 Doris Lee Henry 5-6504
680 Charles H Jackson 5-2960
682 Will L Johnson 5-2615
684 Robt Starks 8-6184
686 James A Price 8-6215
688 Richard McNamee 5-1984
691 Zenobia Drake 5-3219
692 Carrie Buchanan 8-5690
693 Oscar Lee Jackson 8-4664
694 L B Smith 5-5921
695 Eliza Williamson 5-3036
696 Ora Wilson 5-9893
Saffarans Ave Intersects
700 Lula Boston 8-8947
702 Anthony Robinson 5-7729
703 James Bradford 5-1965
711 Alice McKay 8-0688
712 David Smith 5-5923
713 L L Washington 8-8672
714 Mitchell's Cash Groc 8-9338
717 Irene Collins 8-4921
718 Joe Raynor 5-3851
723 Richard Kearney Jr 37-8877
724 Mrs E H Page 5-3849
727 Bruce Hill 5-3143
728 Gladys Neal 5-4836
734 Wiley H Walton 37-4951
Looney Ave Intersects
746 Bethlehem Bpts Ch 37-4082
752 Mrs Mary D King 8-3691
758 James G King 8-0068
759 Dorothy Cooper 5-2853
762 Janie Belle Johnson 8-1075
765 Mable Taylor 8-6162
767 Roy Lee Davis 37-7738
768 Henry R Allen 8-4317
769 Robert Tidwell 37-3206
772 Minnie M Jones 37-4242
775 Bert M Morrow 37-9213
778 Harrison Macklin 8-2988
779 Mary D Cole 8-1672
781 Walter H Richard 37-8181
785 Mrs Wm C Porter 5-8519
786 Mattie Cleaves 37-0102
788 Haywood W Bailey 37-0254
Keel Ave Intersects
791 WeOna Food Stores 5-0548
791 A M Perry Gro & Mkt 5-0548
794 Wm Walter Smith 37-4238
795 Andy Chitwood 5-1990
799 G A Brunner 8-0913
800 Wm E Burton 5-1656
802 R L Rhinehardt 5-1904
805 R E Smith 5-8611
809 Roy Hardwick Sr 5-3638
815 Mrs B E Eisenbise 8-2836
E Joseph Place Begins
823 E E Loft 8-8941
825 Miss Dixie Mayfield 5-7042
826 Eugene Ryan 5-1554

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3538 Henry L Kee 4-7515
3541 Kermit Y Hurst 34-6259
3547 Lamar Dancy 62-5103
3550 Howard S White 4-4137
3551 Jas M Hill 4-4688
3558 W S Petty 4-5719
3559 G T Pierce 4-4431
3562 F J Gauthier 33-1417
3570 R E McDermott 33-9933
3571 James T Mixon 33-4337
3577 J W B McMillian 48-6212
3580 T D Walls 34-0364
3583 Mrs R W McDonald 33-4086
3587 Anthony L Shassere 48-8412
3594 Julius McGaughy 33-1913
3607 Mike McDurmon 62-4074
3610 Mrs Neal Dickson 48-2121
3611 Mrs M McDurmon 34-1345
3615 S M Lowdermilk 4-0745
3616 Mrs E W Barnard 4-9952
3616 Miss Birdie L Ware 4-9952
3619 Audrain Chitwood 34-6793
3620 H M Orman 4-0143
3621 W K Hall 4-9483
3625 Fred F Gay 48-6159
3630 S Hall Williams 48-8768
3635 J C Wooten 4-1618
3644 Austin M Statler Jr 33-0346
3645 I T Brown 34-1594
3651 Roy S Warnock 33-3587

DEBORAH
(Wells Station Rd, between Macon and Chelsea)
(Thrift Haven Sub Div)

4337 Jas A Jenkins 48-3316
4338 Bobby Armstrong 34-9521
4343 Geo R Hollomon 62-4234
4353 W G Treadway Jr 33-1447
4359 W R Stephenson 62-4986
4365 Jose S Barajas 62-3053
4368 Fred A Turner Jr 48 6561
4371 Walter M Haney 62-6212
4374 Saml C Wilson 48-1832
4381 L A Floyd 62-0959
4384 Donald G Nicely 33-4888
4385 W R Hodges 62-1712

DECATUR
(Washington Ave, north, 2 bl east of Dunlap)

143 Rev Eddie Thomas 8-1264
143 Leon A Thomas 8-1264
146 Will McCullum 8-2562
146 Balfour M Wilkes 37-1089
147 Willie B Sesley 37-2615
148 Willie D Jones 37-6123
150 Mrs Aline Redd 8-0387
151 William Sims Jr 5-5063
154 Lewis Causey 33-3189
157 Cleveland Arnold 37-6096
160 Sarah Pates 37-3749
196 Herbert Silverson 37-2206

Poplar Blvd Intersects
Exchange Intersects
Dixie Homes

215 Beulah Barnes 8-0156
215 Mary L Brooks 5-3092
215 Alma Nailor 5-2277
215 Robt Wilkerson 8-1037
215 Verley Williams 5-7837
233 Tom Bolden 8-7693
233 Doris Cliff 8-7098
233 Ella Mae Coe 5-9739
233 James O Grove 37-4725
233 Bessie Irvine 5-1268
233 Mozetta Johnson 5-2350
233 Ossie Thompson 8-6879
233 Chas Turner 8-2807
233 Selene Wade 5-8749
249 Chas Buford 8-3010
249 Willie Page 8-0420
249 Beatrice Parker 8-2760
251 Ida Mae Hooper 5-5232
283 Rev T C Anderson 5-2835
283 Susie L Cleaves 37-7453
283 Mrs Mary Idom 5-6028
283 Bonnie Rhodes 37-0907
291 Jose Acexander 37-7501
291 Mrs Doris Brown 8-2621
291 Mrs Marie Horton 37-9754
291 Carrie Mae Jones 5-5012
291 Juanita Yarbrough 8-3618
293 Clementine Nelms 5-6971
293 Sallie Louise Oliver 5-4564
294 Alvesa Lee 36-1809
295 Jno Evans Jr 5-1493
295 Sam Franklin Jr 8-7624
295 Jim Henderson 37-5422
295 Sylvester Jefferson 37-3853
295 Hamp Marzett 8-0016
296 Ruth Nell Garrett 36-9829
303 Jessie Bradford 8-3563
303 Ethel Drain 5-6238
303 Willie Mae Holloway 37-2792
303 Jesse J Webster 8-7681

Decatur Continues

230 Olivia Jones 5-4778
230 James Mosby 8-6343
236 Martha Atkins 5-4083
242 Mattie Crawford 5-1592
250 W H Rounsaville 32-2507
262 Graystone Grill 36-9567
270 Roy Wainwright 36-7982
274 Marcellous Jones 36-7956
278 Willie Cook 36-8594
286 Mrs Ethel R Hooks 36-0061
290 Clarence Morgan 36-1094
292 Eugene Butler 36-5362
298 Big Star Fd Stores 36-9579

Delmar Ave Intersects

310 Marvin Holbrook 36-9940
312 Estella Champion 36-7580
314 Jimmie Mathews 36-7204
316 Maebelle Houston 36-1506

320 Mozelle Williamson 36-7572
322 Ulysses Johnson 32-2961
324 Columbus Baptist Ch 36-2096
327 Fannie Mae Brooks 7-6911-J
327 Tyler Gassmon 36-4671
328 Hawkins White 36-0158
331 Alvin Barringer 32-3766
331 Jno Bledsoe 36-9055
331 Delores Gilmore 36-4201
331 A L White 32-2812
332 Minnie Carter 36-7850
333 Jas Davis Brown 36-8848
333 Carson Dickerson 36-0042
333 Frank Mason 32-3829
334 Elige Cheathom 36-7473
336 Martha Carter 36-7870
336 Percy J Hines 32-1138
336 Louis Macklin 36-7873
337 Hattie Lee Houston 36-3052
337 Lawrence Straughter 36-6289
337 Albert Thompson 32-2069
337 Chas Edna Walls 32-2963
338 Albert Little 36-5616
340 Pearl Newell 36-7620
340 Minnie Walt 36-8128
343 Corinne Catron 36-2798
343 Mrs Frank Johnson 32-3768
343 Fannie Larry 36-8191
346 Mrs Iola Miller 36-7704
354 Jas Prudent 36-3431
357 Wm H Brown 36-1681
357 Linnie Lee Lowery 36-8256
357 Jas Thomas 36-3607
357 Minnie Mae Young 32-1056

Peach Ave Intersects

362 Julius Reed 36-7762
364 Eliza Williams 36-8332
366 Walter Catron 36-9954
368 Ora Lee Davis 36-8284
370 Elton A Moss 36-8308
373 B L Watson 5-1768
374 Hugh Jones 36-7987
376 Charlie Johnson 2-7416
377 West A Webb Jr 36-0569
378 Robt Lee Mitchell 2-7084

Overton Park Ave Intersects

381 Robert L Harvey 36-7205
383 Eva Hamilton 36-7465
387 Ortie Carr 36-7224
387 Mrs Carrie M Smith 36-7224
390 Rev J C Miller 2-2861
391 Rev W M Fields 36-0592
394 Josie Wiley 2-6809
395 J C Donoho 36-0067
397 Mary F Swift 36-0053
398 G W Barnett Sr 36-0031

Lane Ave Intersects

409 WeOna Food Stores 36-9435
409 B & P Gro 36-9435
417 W J Rigg Cut Stone 36-2871

Autumn Ave Intersects

440 Cotton States Supl Co 32-3713
467 John A Boyd 37-5480
470 Lamatt Agency Inc 36-2733
470 Sou Heater Co Inc 36-2733

Galloway Ave Intersects
Forrest Ave Intersects
North Parkway Intersects
Faxon Ave Intersects
Greenlaw Ave Intersects

599 Dorothy G Wilson 37-7057
603 George N Carter 8-1671
609 John A Cutler 8-7588
615 Elizabeth Watson 8-1914

Jackson Ave Intersects

641 Forrest Jones 8-7222
642 Willie B Robertson 8-2785
643 Diamond Barrett 37-1316
645 Anna Coleman 37-2246
646 Josephine Harper 8-5551
647 Tom Gooden 8-1331
648 H A Britton 8-5416
648 Irene Crutchfield 8-2280
651 Lucille Robinson 5-7336
653 Willie M Dandridge 37-1145
656 B H Fuller 8-6377
657 Leon Porter 8-1780
659 Ira S Humphrey 5-2097
660 C A Canerdy 8-0253
661 Chester Mitchell 5-4152
665 Paul O Croce 5-3104
666 Mrs Virginia Nolan 8-1406
669 Thos J Downs Jr 8-2927

LaGrange Ave Begins

675 Wm R Costello 37-8193
675 W M Culpepper 5-2344
677 A H Terry 8-0932
678 Mrs Gene Gray 8-0920
683 O F Walters 8-6150
684 T C Young 5-3107
687 Mrs Gino Pierotti 5-1296
688 Roy Caldwell 8-0891
691 N B Biiger 5-1956
692 Mrs Ethel C Graves 8-4504
695 L D Cruze 5-1959
700 Mrs Ida Drayer 8-5591
701 James O Cobb 37-2833

Saffaran Intersects

706 Wm M Gateley 37-3305
707 Betty Foster 5-3637
710 Mrs Estelle Howard 38-1774
712 H L Dellinger Flr Co 8-4492
712 H L Dellinger 8-4492
713 Addie Watson 37-4103
713 G W Yarbrough 37-0129
716 C V Snipes Trans Co 5-2109
717 Lula Jackson 8-6142
718 M E Wilson 5-4854
721 Robert L Galloway 8-6750
724 Jas D Holland 5-5040
725 Emma Lou Hardy 37-6886
726 Mrs G E Wilson 37-3450
729 Virginia F Brown 37-3519
730 Elmer C Winter 8-2509
740 Rhodes Sundries 5-0469
741 E E Dunn Gro & Mkt 8-4866

1901 L F Young 7-2748
1908 Chas Mednikow 7-1708
1908 Jno Mednikow 7-7501
1912 Esther Lincoln 7-5078R
1915 C Douglas Moss 2-3704
1918 Erle W Elrod 7-2733
1922 C S Lancaster 7-2563W
1925 John M Fox Jr 36-6072
1930 R C Dickerson 2-8873
1935 Earl E Hawkes 32-1534
1937 Jno H Josey 36-1474
1938 Dr H E Atherton 2-0695
1943 Robert W James 7-0945J
1943 C Schultz Sullivan 2-0459
1947 Elmo Boutwell 7-1182J
1947 S Griffin Walker 2-5297
1948 W H Bagwell 7-3520
1952 John McKinney 36-8679
1953 Howard Hester Jr 7-0300
1955 Mrs Ella M Simmons 7-1199
1955 Mrs W W Simmons 7-1199
1958 H R Altick 36-2612
1958 Claire Paden 36-2612
1959 E T Kinney 7-0324
1961 O F Waller 32-2768
1962 Clint Cleaves 36-6353
1962 F H Crump 7-1704
1963 W B Bridgeforth 7-0512
1967 Mrs J C Cason 7-4233M
1967 Charles McKinnie 36-1129
1967 Joe Lloyd Thomas 32-1651

S Rembert Intersects

1993 Chas W McConnell 7-0181J
1999 Mrs Della Artman 2-6370
1999 Gaylen Weaver 7-2849J
2003 Frankie Lou Bryant 7-1378
2009 W J Reynolds 2-7651
2011 K I Gary 7-0244J
2011 Joe Lewis 32-1379
2011 S Earl Sadler 7-3742R
2015 Mrs C H Smallwood 7-1594W
2017 Miss Edith Pirtle 7-5361
2029 WeOna Food Store 7-0922
2029 George Lenow 36-8903
2029 Geo E Lenow Jr 7-0922
2030 Ben S Corbin 7-7726

S Diana Intersects

2034 Mrs Marie Barrow 36-8244
2037 J C Romeo 7-2395J
2039 Frank Cervetti Jr 32-1962
2041 Mrs Florence Bryant 36-3574
2042 Cornucopia Club Inc 2-4825
2042 Enterprise Adv Agcy 2-4825
2043 Mrs Sallie Durbin 7-2233J
2046 Frank Grasmick 7-6652W
2047 Margaret Waycaster 36-8184
2050 Mrs Virginia Loving 7-7776J
2056 Mrs Tom Stewart 7-7027
2063 Jas J Morris 36-8740
2064 Mrs C A Jones 7-4080W
2065 Leonard S Newbill Sr 7-2913
2069 Clifford Johnson 32-3178
2069 W S Kelly 7-2395W
2070 O A Piercey 7-2511W
2071 Wilson O Forrest 36-7426

S Florence Intersects

2073 W W Franklin 32-2401
2075 Virgil Reams 2-8612
2080 Gary Albertine 36-6369
2080 A L Avdelott&Assoc 32-1702
2085 Mrs W L Williams 36-4168
2089 Boyd H Mills 36-0006
2095 Clint R Reaves 2-4476
2097 John Redwine 32-2246
2103 Mrs W C Cook 7-3229
2105 Elbert D Stough 7-2233M
2107 LaVert Wade 7-6494W
2107 Ray Whiting 7-6494R
2111 Mrs Ann Cummings 2-8893

PEACH AVE
(Ayers, east, 2 bl south of Autumn Ave)

945 Mary Blanchard 37-2364
945 Lillie Mae Ewell 8-0209
945 Willie Bell Moore 37-1040
945 Georgia Lee Walker 37-3838
947 James C Mitchell 8-6297
947 Lexola Townsel 8-6282
949 Carolyn Cash 5-6900
949 Classie Mae Lowery 5-0650

Peach Ave Continues

956 Eddie Wade 8-0449
956 Willie Walker 5-4170
958 Frank W Hill 5-6212
958 Margaret Thompson 5-5900
962 Mrs Hettie Phillips 8-8761
968 Mary Burrows Harris 8-0731
970 Isom Wilson 8-0855
972 Clifton Satterfield 8-6298
976 Golden Leaf Bapt Ch 5-8695
981 Maggie Hearon 5-7327
981 Mattie Wright 5-0029
982 Horace E Bell 8-4663
983 Cleveland D Peete 37-7954
983 Arthur Roberson 37-1596
983 Anderson Woodard 5-2384
984 J C Brown 37-7236
985 Susie Mae Conner 37-3083
986 Ella B Coburn 5-6580
986 Sallie Cox 37-3366
986 Bernice Dortch 37-8965
990 Blanche Owens 5-6125
994 Fannie Mathes 37-6116
994 Catherine Newsom 37-9961
994 Robt T Newsom 37-9961
997 Albert D Davis 32-2894
998 Jno Everett Jr 5-3847
999 Annie Bell Brown 36-2332
999 Freddie Lee Jones 36-1551
999 Freeman McChriston 32-1088
1001 Thelma Evans 36-4144
1001 Clarence McDaniel 32-3961
1001 Helen Miller 36-9948

N Dunlap Intersects

Decatur Intersects

1032 Calvin Gipson
1038 Alice Littlejohn
1041 Charlie Shaw
1041 Eddie Lee Williams
1042 Lee J Gordon
1046 Alex Webb
1046 Miss Willie Mae Wi
1049 Johnie Griffin
1050 Rev E V Toney
1055 Isiah Tucker
1056 Willard P McGe
1063 Alice M Brown
1064 F E Malone
1064 Mary R Spence
1065 Ruth Parker
1070 Mrs F R McCune
1073 H M Van Eaton
1080 Wm G Smith
1081 J L Ezekiel
1082 Thomas S McGee
1082 John H Moore

N Waldran Intersects
Lewis Intersects

1163 T L Anglin
1163 Elida Hilton Bel

N Bellevue Intersects

1208 W B Nickels
1210 B M Mobley

N Montgomery Intersects
Malvern Intersects

1266 Paul C Lamb
1266 M A Stephenson Sr
1270 Pat McHugh
1270 Mrs Ada L Wolf
1292 Mrs Blanche Hoss
1305 Owen K Lively
1319 Wilbur H Joyner
1321 J Robt Campbell
1325 H G Sanders
1327 Chas Ellis
1329 Miss Mary Quinn

N Claybrook Intersects
N Watkins Intersects
N Willett Intersects

1439 Chas L Adams Jr
1662 Mrs A L Bell Jr
1662 Mrs Ernestine Lacy
1663 G S McIntyre Sr
1668 Rev Robt G Lee
1674 Jerry Stamson
1675 W L Green
1678 Maurice B Silverm
1679 Albert S Kyle
1683 Mrs Lillian H Cole berg
1684 George Wishart
1687 T A Canale Jr
1687 J B Nagoski
1688 Miss Edith Wheat
1694 Mrs M D Crawford
1695 John L Scruggs
1698 Mrs V J Exchaus
1699 Lyman B Hollis
1699 Peyton L Hollis
1704 H V Dickert
1705 E H Hart

N Evergreen Intersects

1716 Richard B Jones
1717 G D Melton
1717 Frank J Nottle
1717 George M Walke
1722 John L Jones
1723 Catherine Bottle
1723 Elizabeth Dowdy
1723 Helen Downing
1723 Billie Hipp
1723 L Y Newman
1723 Helen Parham
1726 H B Holmquist
1727 Strother M Ascott
1728 Freeman E May
1732 R S Diggs
1732 Eugene Hood
1732 Miss Rita Mills
1732 Cecil L Osbirn
1733 J F Ragland
1736 Mrs J C Prichard
1737 Harold B Thomps
1737 Irene Thompson
1742 Lester C Scott
1743 T M Lowry Jr
1746 Francis H Ferrell
1747 Hobson Vandiver
1750 R M Robbins
1753 O O Ivie
1756 Harry W Brenne
1756 Harry Fandwrick
1757 Wray E McLain
1762 R F Miller
1763 E T Cruse
1767 Mrs J R Hillyer
1769 Wm T McLain

PEACHTREE
(Farmville Rd, north of National)

1034 J M Cartwright
1040 Mrs Louise C Sto
1044 J E Thompson
1052 H B Daniels
1058 Ralph Dickerson
1062 Ronald D Murry
1068 Mrs E Littlejohn
1076 Robt E Miller Sr

PEAR AVE
(From 1486 N Broad ICRR)

364 Ivory Brown
364 Annie Gillum
366 Doris Brooks
510 North Mfg Lbr Co
510 North Mfg Lbr Co

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AYERS—From 914 Poplar av north beyond Chelsea av
195 Graffarie Thos
197 Brumley Wade barber
201 Madon Ardel
203ΔSharp L C
rear Phillips Edith
205 Haskins Archie
rearΔMason Ardell
207 Miller Esther
209ΔJones G Green
211 Vacant
Exchange av intersects (es not open)
217ΔBrown Sol
219 Griffin Allean
219½ΔJohnson Fannie
221ΔWard Jos R Ⓒ
221½ΔDixie Homes Cafe
233 Jones Eug
234-52 Dixie Homes
(A)ΔArnold Martha
(B)ΔRivers Rachel
(C) Kendrick Robt
(D)ΔHarris Wm
(E)ΔTaylor Jas T
(F) Donson Leroy
(G) Johnson Eddie
(H) Knox Warren
(I) Adair Eddie
(J) Hobbs Clara
(K) Smith Mattie
(L) Evans Donnie Y
(M) Jackson Lula M
(N)ΔJones Sol
(O) Hester Jas
(P) Bright Beatrice
(Q)ΔJefferson Miles
(R) Burke McDoloh
235 Pate Nannie
239ΔPeete Floyd
241ΔThomas Henry A med
245 Emmanuel Baptist Ch
247 Washington Annie M
Williamson Winnie
249 Stewart Matthew
rear Harper John
250 Dixie Homes
(A) Thomas Roscoe
(B)ΔHouston Rufus
(C)ΔHughes Wesley
(D) Terry Sol
(E) Cunningham Calvin
(F) Thompson Riley
251 Simpson Will
252 Dixie Homes
(A) Vaughn Leedell
(B)ΔWilliams Gus
(C)ΔHughes Wesley R
(D)ΔFord O T
(E) Barnes Frank
(F)ΔHill Dave E
253 Stewart Wm
255 Baldwin Marjorie
257 Tucker Mary
259 Frison Louis
263 Coffey Fred
265ΔLiggins Evelyn
267 Berry Martha
269 Neil Bert
Mosby av intersects
301 Levy Dock
303 Exom Herman
305ΔHenderson Wm Ⓒ
307ΔPope Will E Ⓒ
315 Bates Richd
317 Reed Lena
319 Hill Albert fruits
Delmar pl begins
Winfred al ends
321 White Bertha Mrs
323ΔGraham Burrel
325 Gillum Martha
327 Rand Mattie
329 Shears Gillie M
331ΔHays Lena
333ΔSmith Stephe
335ΔOhatch Willie
335½ Townsend John H
337 Washington Wm
341 Bradley John
345ΔSutton Louis G jr Ⓒ
351ΔWilliams Georgia M mus tchr
Williams Virginia Ⓒ
355 Hunt Jas Ⓒ
359 Marshall Marie
361ΔSargent Mary
363 Lowe Thos
365ΔMcKinney Ulysses S
367ΔChildress Walter C
369 Isabell Mose
Peach av begins
373 Williams Ella Ⓒ
375 More John W
379ΔWoodard Robt

AYERS AV—Contd
383 Whitmore Edna
Lane av intersects
403 Porter Jas
405 Polk Arizona
407ΔJefferson Palmer Ⓒ barber
409 Jefferson Palmer restr
412 Granderson Chris C Ⓒ
414ΔHunt Rayfield
416 Higginbotham Malissa
418 Winston Annie
423ΔColeman Chester
426ΔWard Ralph
96
Autumn av intersects (not open)
L&NRR crosses
Galloway av intersects (ws not open)
Forrest av begins
North Parkway intersects
Faxon av intersects
598ΔFachini Martin J
602 Watley John C
Jackson av intersects
630 Epps Moses
631 Day Jennie Mrs Ⓒ
632 Vacant
638ΔButler Annie B Mrs
640 Magsby Claude
642ΔJackson Edw
644 Williams Rachel Mrs
646ΔBrodnax Harrison
648ΔJones Viola
Orphanage av ends
650ΔGlover Luther Ⓒ
652 Morris Leona
656ΔReed Hime
656½ΔWilkerson Henry
658ΔCrittenden Jos
660ΔWalls John
662ΔCleaves Harvey
664 McClendon Amos
666ΔJones Ernest
Jones Portia Mrs beauty shop
668ΔLoving Henry
669 Stephens Lazarus
670ΔLindsey Jos
672ΔWalker Cato T
674ΔBruno Johnson
675ΔMurray Sidney Ⓒ
ΔMurray Truck Line
676ΔChapman Ernest
678ΔGreen Bennie
680ΔJackson Eliza Mrs
682 Johnson Will
684ΔShelton Leanna
686ΔHarris Columbus
688ΔWilliams Drucilla
690 Shegogg Henry
Crumps ct ends
691ΔDrake Alvin
692ΔBuchanan Alex
693ΔRodman Alf
694ΔSmith Jas
695ΔWilliams Wm
696ΔWilson John
697ΔWright J W
Saffarans av intersects (es not open)
698 McFarland Margt Mrs
699ΔMyers Emma Mrs
700 Barton Walter
701ΔBrooks John A
702ΔRobinson Anthony
703ΔFields Lester V
704ΔPeterson Russell
705ΔSettles Mark
706ΔDandridge Sarah Mrs
708ΔHopkins Ernest
710ΔRichards John
711ΔMcKay Elijah
712ΔSmith David
713ΔWashington Leland
715ΔKirk Sidney
716ΔMitchell Andrew J Ⓒ
717ΔCollins John
718ΔRaynor Jos D Ⓒ
719 Braxton Joella
723ΔHall Jack
724 Johnson Jas M
725ΔSmith John W
ΔTaylor Geo
727 West Robt D Ⓒ
728ΔIngram Aaron Ⓒ
rearΔIngram Bertha
734 Macklin Wm J
Looney av intersects
746 Davis Roy
752ΔKing Mary D Mrs Ⓒ
758ΔKing Jas G Ⓒ
759ΔStrong Bevy C Ⓒ
762ΔJohnson Janie B Mrs Ⓒ
763ΔLewis Suluenos
765ΔWooley Henry

DECATUR — From 1116 Washington av north beyond StCharles av, intersecting 1021 Poplar av (not open between Molder av and Firestone av)
143 Thomas Edw D
144 Boone Bert
Evans Robt
146ΔWebb Frances
147ΔWinston Amos
Winston Beulah beauty shop
148 Robinson Fred
rear Smith John O
150 Redd Willis
151 Davis Frank
152 Smith Ellis
153 Crawford Rubie
154 Causey Lewis
157ΔJohnson Leroy
158 Pates Sarah
160 Lewis Manual
rearΔWilliams Callie
161 Howard Willie
Progressive av intersects (es not open)
164 Mitchell Wade
166 Haynes Robt
170 Foster John Ⓒ
171ΔJackson Louis restr
196ΔMills & Owens jwlrs
110
Poplar av intersects
215-303 Dixie Homes
215—
(A)ΔWard Percy
(B)ΔStroud Wm
(C) Montgomery Alice
(D)ΔHarris Genoa
(E)ΔPittman Blanchie
(F)ΔDouglass C J
(G) Green Adrian
(H)ΔNalls Isom
(I) Evans Wilbur
(J) Johnson Henry
230 Jones Olivia beauty shop
ΔMosby Jas
233—
(A) Oliver Mattie R Mrs
(B)ΔSmith General L
(C) Stewart Wm
(D) Hoff Geo
(E)ΔGreenwood Gladys P
(F)ΔParrish Arth L
(G)ΔBuster Irvine
(H)ΔManning Jake
(I) Little Clarence
(J)ΔLewis Herman L
(K)ΔMcCulley Jimmy L
(L) Smith Frank
(M) Richard Carson
(N)ΔWhite Lucius
(O)ΔNoel Jefferies
(P)ΔKing Monroe
(Q)ΔRedingfield Thos
(R)ΔSnipes Wm M
236ΔClaxton Nathan
242ΔCrawford Frank Ⓒ
249—
(A)ΔJones Newberger
(B)ΔDowney Robt
(C)ΔLane Louis
(D) Carpenter Willie A
(E) Rogers Danl
(F) Haley John
250 Vacant
251—
(A) Hicks Chas
(B) Poston Jos
(C) Kemp Jesse
(D)ΔFranklin Julius
(E)ΔField Virginia
(F)ΔWinston Everett
262 Graystone Grill
Merriweather av begins
266ΔBuckmanan Willie Mrs
270ΔWainwright Roy
Mosby av intersects (es not open)
274-76ΔJones Marcellous
278 Cook Willie Ⓒ
283—
(A)ΔHayes Saml
(B)ΔBratcher J D jr
(C) Campbell Henry
(D) Craig Thos
(E)ΔWashington Jonas
286ΔJones Julius

DECATUR—Contd
290 Redmond Fannie
291—
(A) ΔHorton Marie
(B) ΔLockhart Frank H
(C) ΔCampbell Wiley L
(D) ΔKilpatrick Frank R
(E) ΔCross Huley E
(F) McGee T C
292Δ Fields Lillie
293—
(A) Addison Ernestine C
(B) Walker Ida
(C) ΔThompson Hattie W
(D) ΔTaylor Osie T
295—
(A) ΔDumas Calvin
(B) Williams Carrie
(C) Burns Saml P
(D) ΔHill Walter A
(E) ΔMcLemore Jas
(F) ΔWright Rufus C
296Δ Robinson Blanche
300Δ Goodrich Sallie
303—
(A) ΔMcVey Alphonso
(B) ΔStokes Clyde
(C) ΔWebster Jesse
(D) ΔCrowley Celestia O
(E) Bradford Jesse

Delmar pl intersects

310Δ Holbrook Marvin
312Δ Champion Wm
314 Matthews Jas
316 Shotwell Susie
320 Williams Lonnie
322Δ Johnson Della
324 Columbus Baptist Ch
328Δ Williams Lizzie
332 Cheatham Louis
334Δ Cheatham Elige
336 Sewell Ozie
rear Carter Martha
Bush Ella
Redmond Vina
338 Block Lester
340 Cook Mattie
346Δ Miller Rosa I Mrs ⓪

Peach av intersects

362Δ Reed Julius
Dent Frank
364 Williams Eliza B Mrs
366Δ Catron Walter
368Δ Taylor Minnie
Wilson Vera nurse
370 Moss Elton
372 Rainey Dollie
373Δ Watson Benj L ⓪
374 Jones Hugh
376Δ Jackson Lee M
377Δ Webb West A jr ⓪
378 Mitchell Robt L

Overton Park av begins

381Δ Harvey Robt L ⓪
383Δ Hamilton Eva ⓪
387Δ Smith Carrie M ⓪
391Δ Fields Wm M Rev ⓪
394Δ Bennett Minnie
395Δ Doncho Jas C ⓪
397Δ Swift Mary F Mrs ⓪
398Δ Barnett Lamora Mrs ⓪

Lane av intersects

ne cor Mem P & L Co (sub sta)
409Δ B & P Grocery
ΔNobin Woodrow W
413Δ Anderson Mattie Mrs
417Δ Liberty Coal Co
Erwin Alvin

Autumn av intersects (not open)

96

L&NRR crosses

440-70 Vacant

Galloway av intersects
Forrest av intersects
North Parkway intersects
Faxon av intersects
Greenlawn av intersects

599Δ Wilson Mitchell
603Δ Carter Emma Mrs
607 Morris Ruby Mrs

1953Δ Otey Bedford T
1957Δ Scott Juanita M Mrs

158

S Rembert intersects

1993 McConnell Chas W
1999Δ Brooks John J
2003Δ Downs Mary Mrs
2007Δ Gill Florence ⓪
2009Δ Marquis Jas N
2011Δ Warren Maude drsmkr
ΔGary Carrie B ⓪
rear Lewis Aaron
2015Δ Gary Oscar H
2017Δ Gary Kirk I ⓪
2023Δ Cox Wm R
2029Δ Lenow Geo E jr
ΔWeOna Food Stores No 73

Diana intersects (ns not open)

2030Δ Carter Henry T
2032Δ Thomas Lee D ⓪
2034Δ Wolfe G Maurice
2036 Wolfe Jos C
2037Δ Romeo Jos C ⓪
2039Δ Crumby Eckford M
2041Δ Bryant Herman C ⓪
2042Δ Knight Justus L ⓪
2043Δ Windham Jack C ⓪
2046Δ Grasmick Frank ⓪
2047Δ Frye Felton W ⓪
2050Δ Loving Elliot E
2056Δ Stewart Jennie Mrs ⓪
2061Δ Pierce Joe V
2062Δ Dacus Walter E ⓪
2063Δ Fralix Tillman F
2064Δ Jones Chas A ⓪
2065Δ Newbill Leonard S
2069Δ Holloway Wm N ⓪
2070Δ Horton Tommy D ⓪

S Florence ends

2071Δ Renfro Lauren W ⓪
2073Δ Bausch Chas T
2075Δ Dickson Marion F
2085Δ Williams Mary Mrs ⓪
2089Δ Mills Boyd H ⓪
2093Δ Pierce Wm G ⓪
2103Δ Cook Wm C ⓪
2105Δ Shillings Charlotte Mrs
2107Δ George Thelma
2111Δ Parrish Bessie Mrs ⓪
2113Δ Wilson Jas R
2117Δ Gurley Robt D ⓪

S Cooper intersects

70

PEACH AV — From 370 Ayers east to Hawthorne (not open between N McNeil and Williamson, also between Lake pl and Dickinson)

ne cor Lee Tom Swimming Pool
945-95 **Dixie Homes**
945—
(A) ΔCurtis L B
(B) ΔCorley Hiram C
(C) ΔRoberts Roy
(D) ΔBingham Edw
947—
(A) ΔGarrett Floyd P
(B) ΔHill Simon
(C) ΔThomas Wm J
(D) ΔMitchell Jas C
949—
(A) Hoskins Armella
(B) ΔHarmon Benny
(C) ΔBecton Louis
(D) ΔBailey F T

Street continued

952 Payne Georgia
954 Branch Joe
956 Vacant
958Δ Brooks Henry L
962Δ Easley Chas

Dixie Mall ends

968 Harris Mary
970Δ Green Mattie
972Δ Satterfield Clifton H ⓪
976 Golden Leaf Baptist Church
981—
(A) ΔMurphy Thos W paper hngr
(B) ΔThomas Sam
(C) Hicks L V
(D) Joe Cynthia
982—
1 White Canary
2 Bell Margt Mrs
3 Harwell John
4 Isabel Lem
983—
(A) ΔTate Andrew
(B) ΔTravis Alonza J

PEACH AV—Contd
Dixie Homes—Contd
(C) ΔSmith Britton jr
(D) ΔJohnson C B
985—
(A) ΔMason Frank
(B) ΔRobetson Arth
(C) Easley Sam
(D) ΔRobinson Lucile
986—
1 ΔShelton Roosevelt
2 Dortch Lenon
3 Taylor Roland
4 McKenzie Mary
990—
1 Cleades Willie
2 Owens Queenie
3 Jennings John
4 Lewis Emanuel
994—
1 Lynch Roosevelt
2 Johnson Willie
3 ΔBell Mary
4 Mathis Fannie Mrs
998—
1 ΔSwift Harvey
2 Everette John T
3 Sullivan Mary
4 Smith Thedocia
1002—
1 ΔHarris Katie
2 Stewart Will
3 Scott Bertha
4 Jones Victoria

110

Decatur intersects

1032Δ Gipson Calvin ⓪
1038Δ Littlejohn Claude ⓪
1041Δ Shaw Chas ⓪
1042Δ Gordon Lee J
1046Δ Webb Thos A ⓪
Webb Alex ⓪
1049Δ Griffin Johnny ⓪
1050Δ Hardy Willie ⓪
1055Δ Tucker Isaiah
1056Δ Wells Robt F
1063 Taylor Ada
Harwell Thos J
1064Δ Malone Evelyn C ⓪
1065 Parker Jos
1072Δ Kinkade Walter J
1073Δ VanEaton Hobart M ⓪
1080 Smith John G ⓪
1081Δ Cates Willie V ⓪
1082Δ Moore John H ⓪

N Waldran blvd intersects
Lewis intersects

1163Δ Choats Lewis ⓪

Bellevue blvd intersects

1208Δ Nickels Wm B ⓪
1210Δ Mobley Ben M ⓪

N Montgomery intersects
Malvern intersects

1266Δ Stepherson Melmoth A ⓪
1270Δ Wolf Ada L Mrs ⓪
1292Δ Houston Blanche F Mrs ⓪
1305Δ Pipkin Sidney L
1319Δ Joyner Martha F Mrs
1321Δ Pence Robt L
1323Δ Jackson Leonard A
1325Δ Sanders Hoyle G
1327Δ Ferguson E Don
1329Δ Trotter Wm T

112

N Claybrook intersects
N Cleveland intersects
N Watkins intersects
Garland intersects
N McNeil intersects
(Not open between N McNeil and Williamson)

114

Williamson intersects
N Willett interescts
Lake place begins
(Not open between Lake pl and Dickinson)
Dickinson intersects (not open)

1662Δ Lacy Ernestine Mrs ⓪
ΔBrough John C jr
1663Δ Harmon Eliza L ⓪
1668Δ Lee Robt G Rev ⓪
1669Δ Bailey Edw O jr ⓪
1674Δ Grims Jasper W
1675Δ Challan Jas J jr ⓪
1678Δ Etter C Barton ⓪
1679Δ Kyle Albert S
1683Δ Underberg Lillian H Mrs ⓪
1684Δ Wishart Geo ⓪
1687Δ Nagoski John B ⓪
1688Δ Wishart Edith E ⓪
1694Δ Crawford Michl D ⓪
1695Δ Scruggs John L ⓪

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377 Harris Lula
379 Hatten Jas
380 Hartwell Alex
381ΔRobinson Thos
386ΔHoward Etta T
387ΔGreganti Armond
392ΔCarter Walter
394ΔTaylor Austin
396ΔHebrun Thos
398 Thomas Chas
400 Early Rosie
402ΔJones Ora
404ΔBaker Estella
406 Ratliff Ellen Mrs
E Butler av intersects
518 Williams Hattie
519ΔCurley Wm
520 Edmiston Felix
523 Edwards Chas
625 Britton Mabel
E Calhoun av intersects

AVERY AV — From 530 S East Parkway east to Buntyn, i south of Union av (not open between 2521 and Buntyn)
2371ΔVanHorn Paul W (r)
NC&StLRR crosses
2461 George Wm F
Finlay begins (not open)
2487ΔCavallo Peter J (r)
2491ΔGuess Egbert A M (r)
2501ΔJones Alden V (r)
2505ΔCollier Robt M (r)
2509ΔScott Chas L (r)
Prospect begins (not open)
2521ΔSimmons Wm H
(Not open between 2521 and Buntyn)
Buntyn intersects

AVON ROAD—From Walnut Grove rd north to Macon rd, i east of Perkins rd (not open between Walnut Grove rd and NC&StL RR)

AYERS—From 914 Poplar av north beyond Chelsea av
195 Brumley Wade barber
203 Sharpe L C
rear Phillips Edith
205 Haskins Wm
rearΔParker Carnie
207 Miller Esther
209ΔNelson Isaiah
211ΔMiller Wm H
Exchange av intersects (es not open)
217ΔMosby Viola beauty shop
219ΔGriffin Saml
219½ Chandlers Gert
221ΔWard Jos (r)
Westbrook Cleveland
221½ Dixie Homes Cafe
233 Jones Stella Mrs
234-52 Dixie Homes
(A) Arnold Robt
(B)ΔRivers Rachel
(C) Kendrick Robt
(D) Conway Oscar
(E)ΔTaylor Jas T
(F) Robinson Frank R jr
(G) Baker Willie
(H) Harris Wm
(I) Montgomery Willie
(J) Hobbs Oakland
(K) Holt Owen
(L) Evans Donnie V
(M)ΔBrooks Nathaniel
(N) Jones Sol
(O)ΔRobinson Wm
(P) James Davis
(Q) Boone Arth
(R)ΔRussell Willie B
Street continued
235 Pate Nannie
239 Peete Floyd
241ΔThomas Henry A phys
247 Williamson Ashbury paper hanger
rear Washington Annie
249 Trent Thos L
rear Harper John
250 (A)ΔHill Jesse
(B) Houston Rufus
(C)ΔCraft Marvin
(D)ΔGaston Clifton J
(E) Watts Clinton
(F) Parks Thos H
251 Dixon John
252 (A) Mebane Richd
(B)ΔWilliams Gus
(C) Strong A B
(D) Johnson Walter M
(E) Dickson Annie M
(F) Hill Edw
253 Stewart Wm
255 Baldwin Marjorie
257 Tucker Mary
259 Frierson Louis
263 Coffey Fred
265 Mabone Evelyn
267 Berry Robt
269 Miles Blanche
Mosby av intersects
301 Levy Dock
303 Powers Richd S (r)
305 Henderson Wm (r)
307ΔPope Will E (r)
315 Bates Ann
317 Reed Lena
319 Vacant
rear Hill Bettie
Delmar pl begins
Winfred al ends
321 Ford Perry M
323 Banks Rosa L
325 Gillum Martha Mrs
327ΔPhillips Wm
329 Shears Gillie M
331 Hays Lena
333 Smith Steph
335 Hutchins Bessie J
335½ Durham Jos
337 Washington Wm
341 Bradley John
345 Sutton Louis G jr (r)
351ΔWilliams Georgia M mus tchr
Williams Virginia
355 Pierce Rosie
359 Marshall Marie
361 Sargent Mary
365 McKinney Ulysses S
367 Childress Walter C
368 McRee Ollie J
369 Isabelle Mose
Peach av begins
373 Williams Ella (r)
rear Moore John
379 Woodard Robt
383 Whitman Edna
Lane av intersects
403 Carter John
405 Mitchell Albert
407ΔJefferson Palmer (r) barber
409 Brumley Katie Mrs (r)
412 Granderson Chris C (r)
414 Hunt Rayfield
416 Smith Mary
418ΔWard Ralph
423ΔIrvin John H hauling
426ΔWirt Chas
Autumn av intersects (not open)
L&NRR crosses
Galloway av intersects (ws not open)
Forrest av begins
North Parkway intersects
Faxon av intersects
598ΔFachini Martin J
602 Watley John C
Jackson av intersects
630 Epps Moses
631ΔDay Jennie J Mrs (r)
632ΔWinfrey Lilly Mrs
638ΔButler Annie B Mrs
640ΔTate Wm P Rev
642 Jackson Edw
644 Williams Rachel Mrs
646ΔBrodnax Harrison
648ΔJones Drew jr
Orphanage av ends
650 Glover Luther (r)
652ΔHickman David
656 Reed Hime
656½ΔWilkerson Henry
658 Ewing Jesse
660 Walls John
662ΔCleaves Harvey

DEADRICK AV—Contd
2252 Bogard Ashford W
2257ΔStacey Wynne F (r)
2258ΔByars Robt W
2260 Cunningham John H
2268ΔKinslow John (r)
2270ΔBrown Andrew C (r)
2272 Coleman Milton K (r)
2273ΔPhilbeck Forrest S (r)
2275 Cannon John H
2276ΔTrumbo L Clyde (r)
2280ΔNolen Henry F (r)
Airways blvd intersects
(Not open between Airways blvd and Lamar av)
Lamar av intersects
2342ΔTroutt Jas M barber
Troutt Hermie L Mrs
beauty shop
2344ΔBursi Chas L liquors
2346ΔForman Wm (r) bakery
Thurman pl ends
2370 Randolph Alder (r)
Ethel ends
2384ΔPruitt Georgia M (r)
2390 Jones Elijah (r)
2394ΔStaves Emmett
Grand ends
2402ΔGreen Ruth (r)
2412ΔCochran Ezra L (r)
Raymond ends
2428 Threatt Wisdom (r)
2434 Harris Robt L
2440 Briggs Roy
2448ΔCochran Clarence
Walford ends
2452 London Arth L (r)
Tunstall ends
2470 Frances Albert
2474 Faulkner Lillie
2478ΔSpillars Curtis (r)
2481ΔStanback Clint (r)
2482 Shipp Walter Rev
2485 Woods Jos W
2486 Humphrey Otis (r)
Marechal Neil ends
2498 Burrow Daisy Mrs
2506 StJohn's Baptist Church
Celia ends
2516ΔHughes Edmond jr (r)
2522 Walker Clarence (r)
2524 Driver Henry
Hamilton intersects
Hugenot intersects (ns not open)
David intersects
2686 Williams Fannie (r)
2690 Jones Maggie (r)
Buntyn intersects (ss not open)
2716 Brown Augusta (r)
2726ΔPerry Gene (r)
2730 Bryant Cora Mrs (r)
2736 Haley Susianna (r)
2748 Haley Beulah (r)
2752ΔJoyner Jake
2756 Pilcher Alex
2760 Jones Chas
2766 Woods Clinton
2770 Edwards Frank
Pendleton intersects

DECATUR — From Washington av north beyond StCharles av, intersecting 1021 Poplar av (not open between Molder av and Firestone av)
143 Thomas Edw D
146 Thomas Earnest
rear Wilkes Roy
147 Winston Amos
148 Robinson Fred
rear Red Willis
150 Brazzell Henry
rear Williams Thos
151 Davis Frank
152 Jones Steve
153 Crawford Roosevelt
154 Beasley Oscar
157ΔArnold Wm
158 Pates Sarah
160 Turner Pleas
rearΔWilliams Callie
161 Redmar Sylvia
Progressive av intersects (es not open)
164 Finney Joe
rear Hanes Robt
166 Vacant
170 Foster John
171 No Name Cafe
Poplar av intersects
215-303 Dixie Homes
215—
(A) Ward Percy
(B)ΔStroud Wm
(C) Peques Jas
(D)ΔHenderson Jas
(E) Ramsey Katie
(F)ΔArmstrong Reuben T
(G) Green Adren
(H)ΔNalls Isom
(I) McCoy Carrie
(J) Sherman Jos
230 Moore Hortense Mrs
233—
(A) Williams John E
(B) Smith General L
(C) West Melinda
(D) Hoof Geo
(E) Brown Christine
(F) Smalley Jas
(G)ΔIrving Buster
(H) Dunlap Arth
(I) Ingram Wm
(J) Vacant
(K)ΔMcCullough Jas
(L) Noel Jeffrie
(M) Julian Clarence
(N) White Lucious
(O) Jackson John
(P) King Monroe
(Q) Beddingfield Thos
(R)ΔSnipes Wm M
236ΔClaxton Nathan
242ΔCrawford Frank (r)
249—
(A) Jones Newberger
(B)ΔJohnson Frank S
(C)ΔLane Lewis E
(D) Jackson Harrison
(E)ΔJohnson Alex
(F) Holmes Jas
251—
(A)ΔHicks Chas H
(B)ΔRutledge Louis
(C) Kemp Jesse
(D)ΔFranklin Julius
(E) Franklin Earl
(F) Winston Everett
262 Brown Lunch Room
Merriwether av begins
266 Toler Rose
270ΔRyans Leroy
Mosby av intersects (es not open)
274 Harwell Viola
276ΔWainwright Roy
278 Brooks Gertrude
283—
(A) McDonald Julia
(B) Clark Virtner
(C)ΔWatkins Horace
(D) Craig Thos
(E)ΔHouston Wm
286 Jones Julius
290 Redmon David
291—
(A) Vacant
(B) Lockhart H Frank
(C) Campbell Wiley L
(D)ΔKilpatrick Frank R
(E)ΔCross Huley E
(F)ΔHaley Joe T
292ΔFields Thos
293—
(A Addison Percy L
(B) Walker Ida
(C)ΔGordon Wm
(D)ΔTaylor Osie T
295—
(A)ΔDumas Calvin
(B)ΔJackson John
(C) Miller Herman C
(D)ΔHill Walter
(E) Davis Claude S
(F)ΔWilliams Z P
Street continued
296 Robinson Blanche
300ΔGoodrich Sallie

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303—
(A)ΔMcVey Alphonso
(B) Briggs Garland
(C)ΔWebster Jesse
(D)ΔHarris John B
(E)ΔDuncan Geo
Delmar pl intersects
310 Robinson Culley
312 Champion Wm
314 Matthews Jas
316 Jones Armetha
320 Jones Chas
322 Johnson Della
324 Columbus Baptist Church
328ΔWilliams Lizzie
332 Taylor Wm
334 Cleaves Wm E
336 Cheatam Elige
338 Block Lester
340 Harris Wm
346ΔMiller Rosa I Mrs ⓒ
rear Brown Thos
Peach av intersects
364 Williams Eliza Mrs
366 Catron Walter
368 (1)ΔHolliday Estelle ⓒ
368 (2) Taylor Mamie
370 Bleakley Ella
372 Watkins Willie
373ΔWatson Benj L ⓒ
374 Jones Hugh
376 Jackson Lee M
377ΔBuckner Wilbur ⓒ
378 Mitchell Robt L
Overton Park av begins
381ΔHarvey Robt L ⓒ
383ΔHamilton Eva ⓒ
387ΔSmith Carrie M ⓒ
391ΔFields Wm M Rev ⓒ
394ΔBennett Minnie
395ΔDonoho Jas C ⓒ
397ΔSwift Mary ⓒ
398ΔBarnett Lamora Mrs ⓒ
Lane av intersects
ne cor Mem P & L Co (sub sta)
409-11ΔB & P Grocery
2d flΔNoblin Woodrow W
413ΔAnderson Jas R
417ΔLiberty Coal Co
Autumn av intersects (not open)
L&NRR crosses
440-70ΔCook & Nichol Inc bldg materials
443ΔHunt Berlin Coal Co (br)
ΔGalloway-Eberhart Coal Co
451 Vacant
Galloway av intersects
Forrest av intersects
North Parkway intersects
Faxon av intersects
Greenlaw av intersects
599ΔSpellman Dorothy
603ΔCarter Emma
607 Morris Ruby
609 Davenport Lucius
611 Gillespie Ira
615 Watson Geo H
617ΔYoung Wm
622 Lyles Ernest
Jackson av intersects
640 Lynch Bettie beauty shop
641 Hardin Annie R Mrs
642 Davis Alex
643 Bridgeforth Thos
rear Townsend Richd
644 Coward John
rear Harper Josephine
645 Davis Martha
rear Vacant
647 Williams Beverly W
rear Dee Angeline Mrs
648 Crutchfield Baltin
Harper Josephine
Montague Allen
649 Thompson Ossie
rearΔBrown Ada Mrs
650 Wyman Hence
651 Robinson Walter L
rear Williams Irene
653 Brown Harrison
rear Hunter Edw L
655 Porter John D
rear Kelley Jas
656ΔPass Mollie B Mrs ⓒ
657ΔPorter Leon

PEABODY AV—Contd
2039ΔCrumby Eckford M
2041ΔTurner Evy Mrs
2042ΔKnight Fredonia S Mrs ⓒ
2043ΔJohnson Otis B
2046ΔGrasmick Frank ⓒ
2047ΔCaldwell Rupert E
2050ΔApplebury Iva F
2060ΔStewart Jennie Mrs ⓒ
2061 Pierce Joe V
2062ΔDacus Walter E ⓒ
2063ΔMcKinney Amverlee
2064ΔJones Chas A ⓒ
2065ΔNewbill Leonard S
2069 Wilson Loye H
2070ΔCanfield Robt W
S Florence ends
2071 Etheridge E Dick
2073 Shearin Patk J
2075ΔDickson Marion F
2085 Lewis Cornelia E ⓒ
2089 Holder Wm B
2093 Vacant
2103 Cook Wm C ⓒ
2103 Dix Lacey L
2105ΔLedbetter A Frank ⓒ
2107ΔHardaway Cleo F ⓒ
2111 Maxwell Wm K
2113ΔMaltzer Aaron ⓒ
2117ΔBradford Harry P ⓒ
S Cooper intersects

PEACH AV—From 370 Ayers east to Hawthorne (Not open between N McNeil and Williamson, also between Lake pl and Dickinson)
ne cor Lee Tom Swimming Pool
945-85 Dixie Homes
945—
(A)ΔShivers Anthony
(B)ΔCorley Hiram C
(C) Morgan Robt
(D) Bingham Ed
947—
(A) Garrett Floyd
(B) Bohanan Howard
(C) Thomas Wm J
(D)ΔMcClaren Henry
949—
(A) Alexander Emma
(B) Woods Jas R
(C) Becton Louis
(D)ΔDowns J Wesley
Street continued
952 Payne Georgia
954 Davis Myrtle
956 Wilkes Andrew
958ΔBrooks L Henry
962 Easley Chas
Dixie Mall ends
968 Harris Mary
970ΔGreen Mattie
972ΔSatterfield Clifton H ⓒ
976 Golden Leaf Baptist Church
978—
1 Davis Watt
2 Lewis Ines
3 Chisom Mamie
4 Crump Clifton
981—
(A)ΔMurphy Thos W
(B)ΔDean Henry
(C) Lewis Jack
(D) Seay Ransom
982—
1 Westley Josh
2 Bell Margt
3 Harwell John
4 Isabel Lem
983—
(A)ΔTate Andrew
(B)ΔHervey Jos
(C) Smith Britton jr
(D) Johnson C B
985—
(A)ΔLewis Mercie D
(B) Prudent Jas jr
(C) Easley Sam
(D) Hearns Elzie
986—
1 Shelton Roosevelt
2 Robertson Florida
3 Jett Willie
4 Jackson John

990—
1 Wright John H
2 Owens Queenie
3 Mitchell Florence
4 Guthrie Jesse
994—
1 Anderson Grace
2 Lowe Tommie
3 Bell Mary
4 Harris Colonius
998—
1 Swift Harvey
2 Seay John L
3 Sullivan Mary Mrs
4 Pruitt Frank
1002—
1 Harris Katie
2 Stewart Will
3 Scott Jas
4 Jones Chester
Decatur intersects
1032ΔGipson Calvin ⓒ
1038 Arnold Cloria
1041ΔShaw Chas ⓒ
1042ΔGordon Lee J ⓒ
1046 Taylor Lucinda ⓒ
1049ΔWright Sallie
1050ΔWaters Mary
1055ΔPrudent Ozia B Mrs
1056ΔSmith Finis
1063ΔJarrett Otis H
1064ΔMalone Evelyn Mrs ⓒ
1065ΔFeibish Misha
1072ΔVanEaton Leonard W ⓒ
Barker Murphy
1073 VanEaton Hobart M
ΔBarker Wm E
1080ΔCarroll Wm D
1081ΔMelton Jas
1082ΔMoore John H
N Waldran blvd intersects
Lewis intersects
1163 Rowland Hiram
ΔReeves Geo W
N Bellevue blvd intersects
1208ΔNickels Wm
1210ΔButler Frank
N Montgomery intersects
Malvern intersects
1266ΔStephenson Melmoth A
1270ΔWolf Ada L Mrs ⓒ
ΔMcHugh Patk A
1292ΔCrownrick Jos R
1305ΔPipkin Sidney L
1319ΔJoyner Martha Mrs
1321ΔGrose Allie L
1323ΔQuarles Jas W
1325 Sanders Hoyte G
1327ΔSallie Frank M
1329ΔTrotter Wm T
N Claybrook intersects
N Cleveland intersects
N Watkins intersects
Garland intersects
N McNeil intersects
(Not open between N McNeil and Williamson)
Williamson intersects
N Willett intersects
Lake place begins
(Not open between Lake pl and Dickinson)
Dickinson intersects (not open)
1662ΔLacy Ernestine Mrs ⓒ nurse
rear Johnson Emma
1663ΔSloan Jas B jr
1668ΔLee Robt G Rev ⓒ
1669ΔBailey E Oliver jr ⓒ
1674ΔPond Russell C ⓒ
1675ΔWallace John R ⓒ
1678ΔEtter C Barton ⓒ
1679ΔKyle Albert S
1683ΔUnderberg Lillian H Mrs
1684ΔFain Wm R ⓒ
1687ΔNagoski John B ⓒ
1688ΔWishart Karen C Mrs ⓒ
1694ΔCrawford Kath Mrs ⓒ
1695ΔRudy Chas A
1698ΔEschmann Victor J ⓒ
1699ΔHoshall Benj R ⓒ
1704ΔHumbrecht Howard A ⓒ
1705ΔAmis Freida R Mrs ⓒ
N Evergreen intersects
1716ΔHobbs Herbert S ⓒ

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1009ΔBrugge Arno A ⓞ
1015ΔBresnahan Phil R
1019ΔPlatt Maury H ⓞ
1025ΔMorfield Claude E ⓞ
1035ΔKester Geo ⓞ
1041 Vacant
1047ΔHudson Clyde ⓞ

Chelsea av intersects

1281 Shadden Jas H

AVALON S — From Madison av south to Eastmoreland av, 1 east of S Willett

5ΔTrotter Coban R ⓞ
9ΔGreen Herschel D
17ΔButler Jos ⓞ
18ΔBailey Geo T ⓞ
19ΔTrezevant Evie V ⓞ
23ΔLavender Robt A

Monroe av intersects

29ΔDeLap Hugh T
31ΔMcGinty Geo W
35ΔHurst Lucille Mrs
45 Cox Clara B ⓞ
rear Newton Scott
46ΔAtchison Wm C
49ΔCatron Jos ⓞ
rear Hailey Louis

Union av intersects

169ΔLobb Archie
171ΔKerr Leroy E
177ΔHouston Vernon L

AVERY — From Vance av south to E Calhoun av, 1 east of S Third

343ΔMonte Vera
347 Hammond Mary
351 Banks Chas
354 Pettis Wm
355ΔHarris Rosa
356 Franklin Arie Mrs
2d flΔMiles Edw
361 Breckenridge Wm
364 Holmes Barnes L
364½ΔWilliams Roosevelt
366 Gillespie John B
367 Benton Saml
367½ Vacant
370ΔBrownlee Wm
373 Maceri Saml ⓞ
374ΔBovan Mansfield
377 King Levi
379 Hatten Jas
380 Hartwell Alex
381ΔRobinson Thos
386ΔHoward Etta Mrs
387 Greganti Armando
rear Vacant
392ΔHumphries Wm
394 Loyd Vernon
396ΔWinters Julia
398 Thomas Chas
400 Early Rosie
402 Jones Arth
404ΔBaker Estella
406 Ratliff Ellen Mrs

E Butler av intersects

518ΔJohnson Mary
519ΔCurley Wm
520ΔEdmiston Felix
523 Clay Evelina
525 Britton Mabel Mrs
525½ Wallace Bailey
529 Lewis Spencer

Calhoun av intersects

AVERY AV—From East Parkway S east, 1 south of Union av

2371ΔVanHorn Paul W ⓞ

NC&StLRR crosses

2461 George Wm F
2487ΔCavallo Peter J ⓞ
2491ΔGuess Wm G ⓞ
2501ΔJones Alden V ⓞ
2505ΔCollier Robt M ⓞ
2509ΔScott Chas L ⓞ
2515ΔSimmons Wm H

AVON—From Summer av north, 2 east of Godwin

es 1 nΔCanale Nicola G ⓞ
es 2 nΔMaestri Lawrence
es 3 n Orange Rose
ws 1 nΔHecht Leon ⓞ

AXIE AV—(Changed to Person av)

AYERS—From Poplar blvd north to Union RR, 2 east of N Dunlap

195 Brumley Wade barber
205 Bean Austin
rear Vacant
207 Miller Esther
209 Woolfall Alphonza
211ΔMiller Wm

Exchange av intersects

217ΔMosby Viola beauty shop
Mosby Edw
219 Merriwether Henry
219½ Chandler Gert
221ΔWard Jos ⓞ
221½ Westbrooks Nellie restr
Westbrooks Cleveland
233 Vacant
234-52 **Dixie Homes**
(A) Arnold Robt
(B)ΔRivers Rachel
(C) Kendrick Robt
Artry Frank
(D) Conway Oscar
(E)ΔTaylor Jas T
(F) Robinson Frank
(G) Baker Willie W
(H) Harris Wm
(I) Reed Sylvester
(J) Sanford Elmer
(K) Bowen Joe
(L) Evans Danie
(M)ΔBrooks Nathaniel
(N)ΔJones Sol
(O)ΔRobinson Wm
(P) Davis A Jas
(Q) Boone Arth
(R)ΔRussell Jos
235 Pate Nannie
239 Tucker Odessa
241ΔThomas Henry A phys

Columbus intersects

247 Levy Dock
rear Washington Annie
249 Green Zellner
rear Harper John
250 (A)ΔHill Jesse
(B) Houston Rufus
(C)ΔCraft Marvin
(D)ΔGaston Clifton J
(E)ΔWilliams Wm C
(F)ΔParks Thos H
251 Dixon John
252 (A) Mable Richd
(B)ΔWilliams Gus
(C) Vacant
(D) Johnson Walter M
(E) Dickson Quinlin
(F) Hill Edw
253 Stewart Will
255 Baldwin Marjorie
257 Marshall Saml
259 Payne John
263 Coffey Fred
265 Lovitt Emma
267 Berry Robt
269 Miles Blanche

Mosby av intersects

301 Taylor Aaron
303 Powers Richd S
305 Henderson Wm ⓞ
307ΔEvans Belle ⓞ
315 Bates Ann
317 Ellis Annie
319ΔLee's Cafe
rear Lee Thos H

E Winfred al intersects

321 Seymore Geo
323 Thomas Mary
325 Moore Guy
327 Green Jerry
329 Shears Gillie M
331 Hays Lena
333 Smith Steph
335 Hutchins Fletcher
335½ Durham Jos
337 Washington Wm
341 Bradley John
345 Sutton Louis G jr ⓞ
351ΔWilliams Georgia M mus tchr
Williams Virginia
355 Vacant
359 Thompson Morris
Thompson Ruby mus tchr
361 Jolly Lee
363 Cole Annie
365 Wright Chas
369 Childress Walter C
369½ Isabelle Mose
373 Williams Ella ⓞ
rear Smith Emma

Peach av intersects

379 Woodard Robt
383ΔDukes Bethel M

Lane av intersects

403 Carter Jack
405 Mitchell Albert
407ΔJefferson Palmer ⓞ barber
409 Brumley Katie
412 Granderson Chris C ⓞ
414 Hunt Rayfield
416 Price Willie
418 Taylor Herbert

AYERS—Contd

423ΔIrvin John H
426 Gram Mary E

Autumn av intersects
Galloway av intersects
Summer av intersects
North Parkway intersects
Greenlaw av intersects

598ΔFachini Martin J
602 Watley John C

Jackson av intersects

630 Brown Jos
631 Day Jennie J Mrs
632 Winfrey Ras

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DEADRICK AV—Contd
2452 London Arth L ⓪
Tunstall intersects
2470 Vacant
2474 Vacant
2478 Spillars Curtis ⓪
2481 Stanback Clint ⓪
Stanback Eliehue W
2482 Harden Van
2485 Smith Easter
2486 Humphrey Otis ⓪
Marechal Neil intersects
2498 Dixon Jas
nw cor StJohns Baptist Church
Celia intersects
2516 Hughes Edmond jr
rear Hughes Modena
2522 Walker Clarence ⓪
2524 Brownlee Richd
Hamilton intersects
David intersects
2686△Williams Ernest ⓪
2690 Jones Maggie ⓪
Buntyn intersects
2716 Brown Augusta ⓪
2726 Perry Gene ⓪
2730 Vacant
2736 Haley Susianna ⓪
2742 Haley Beulah ⓪
2752 Parker Arth
2756 Pilcher Alex
2760 Jones Amanda
2766 Woods Clinton
2770 Vacant
Pendleton intersects
S Highland intersects
3509△Welch Noan G
3545 Williams John L
3564△Herod Silas E ⓪
3566△Kee Henry L ⓪
3567 Shassere Anthony L
3570△White Howard S ⓪
3571△Pierce Gerald T ⓪
3572 Williams S Hall
3600 Albright Harvey L D ⓪
3604△Vess Alvia C ⓪
3611 McDurmon Mittie Mrs ⓪
3615△Lowdermilk Steph M ⓪
3616 Barnard Edna W Mrs ⓪
3620△Orman H Marlin ⓪
end△Swift & Co mill
△Swift & Co refinery

DECATUR—From Washington av north to city limits, 2 east of N Dunlap
143 Thomas Edw D
146 Jones Walter
rear Manuel Theo
147△Wilbert Maymon
148 Little Albert
rear Red Willis
150 Hill Floyd
rear Swift Goldie
151 Davis Frank
152 McKinney Edw
153 Newbern Hugh
154 Murphy Jordan
157 Kirk Umie
158 Flowers Nellie
160 Graffed Olivia
rear Vacant
161 Johnson Wm
164 Mitchell Alex
166 Mitchell Wade
172 Foster John
Poplar blvd intersects
215-303 **Dixie Homes**
215—
(A) Ward Percy
(B)△Stroud Wm
(C) Dixon Robt
(D)△Henderson Jas
(E) Burton Jas B
(F) Armstrong Rubin
(G) Green Adren
(H)△Nalls Isom
(I) McCoy Clara
(J) Peeler Fred
Exchange av intersects
230△Coleman Louis
233—
(A) Williams John
(B) Smith Jas T
(C) West Melinda
(D) Hoof Geo
(E) Brown Milos
(F) Smalley Jas
(G)△Irving Buster
(H) Dunlap Ather
(I) Ingram Wm
(J) Boyd Sloan
(K) Houston Wm A
(L) Ford Robt H
(M) Julian Clarence
(N) White Lucious
(O) Jackson John
(P) King Monroe
(Q) Beddingfield Thos
(R)△Snipes Wm M
236△Cummings Mamie
242 Crawford Frank
249—
(A) Jones Newberger
(B)△Johnson Frank S
(C)△Lane Lewis
(D) Jackson Harrison
(E) Waugh Surgeon
(F) Holmes Jas
251—
(A)△Hicks Chas H
(B)△Rutledge Louis
(C) Kemp Jesse
(D)△Franklin Julius
(E) Franklin Earl
(F)△Blackman Wm
262 Brown Arrie Mrs restr
262½ Toler Rose
270 Walker Alonzo
274 Miller Lesley
276 Jackson Beatrice
278 Washington Gertrude
283—
(A) McDonald Julia
(B)△Gholson Wm T
(C) Ferguson Hurel
(D) Coulter Richd
(E) Butler Adee C
286 Jones Julius
290 Redmon David
291—
(A) Johnson Ernest F
(B) Wright Rufus
(C) Campbell Wylie
(D) Kilpatrick Frank
(E)△Cross Huley E
(F) Brooks Leon
292△Bracey Andrew
293—
(A)△Artison Edw
(B) Walker Ida
(C) Gordon Wm
(D)△Taylor Ossie T
295—
(A)△Dumas Calvin
(B)△Jackson John
(C) Miller A C
(D) Doris Wilburn
(E) Davis Claude
(F)△Williams Z P
Street continued
296 Harwell Viola
300 Goodrich Sallie
Delmar av intersects
303—
(A)△Miller Sadie
(B) Johnson Louis
(C) Webster Jesse
(D) Harris John
(E)△Newsom Lillian
310 Buchanan Alex
312 Champion Wm
314 Houston Wm
316 Coppige Leroy
320 Houston Jos
322△Johnson Della
324 Columbus Baptist Ch
328 Dorsey Blanche
332 Taylor Wm
334△Cleaves Wm E
366 Cheatham Elijah
rear Brown Thos
346△Miller Iola ⓪
Peach av intersects
364 Williams Eliza
w368△Holliday Estelle ⓪
rear Meeks Mattie
366 Stewart Ella M
368 (2) Taylor Wrayphield
370 Jones Robt
372 Rainey Dolly
373△Watson Benj L ⓪
374 Walton David
376 Jackson Lee M
377△Buckner Wilbur
378△Mitchell Robt
381△Harvey Robt L ⓪
383△Hamilton Jefferson
Green Richd
387△Smith Carrie M ⓪
Overton Park av intersects
391△Fields Wm M Rev ⓪
394△Bennett Minnie
395△Donoho Jas C ⓪
397△Swift Mary ⓪
398△Barnett Geo W ⓪ contr
Lane av intersects
ne cor Mem P & L Co (sub sta)
409-11△B & P Grocery
2d fl Baldi Mary Mrs
413△Anderson Jas R

415-21△Liberty Coal Co
Autumn av intersects
L&NRR crosses
440-70△Cook & Nichol Inc bldg materials
443△Hunt Berlin Coal Co
451 Vacant
Galloway av intersects
Forrest av intersects
N Parkway intersects
Faxon av intersects
Greenlaw av intersects
599 Wirt Chas P
603 Carter Emma
607 Jones Clarence

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PEABODY AV—Contd
Peabody Court Apts—Contd
9ΔReeves Kath Mrs
10ΔChampion Robt G
11ΔLeFils Frank W
12ΔMednikow Marcella Mrs
14 Regenold Dorothy T Mrs
15ΔRaby Richd M
16ΔCrawford Jas N
17 Fite Beaulah W
rear Robertson Gus
Street continued
1897ΔCreson Etta Mrs ⓞ
rear Vacant
1900ΔLamb Spence H ⓞ
1901ΔLamb L Frazier
S Barksdale intersects
1908ΔMednikow John H ⓞ
rear Threlkeld Edna
1912ΔHumphreys Jas A ⓞ
rear Smith Booker T
1918ΔGlasgow Ben E
1922ΔLancaster Caruthers S ⓞ
rear Taylor Bessie
1925ΔGilmore Harold A ⓞ
1930ΔDickerson R Carl ⓞ
1938ΔDumas Dudley D ⓞ
rear Vacant
1935ΔJoyner Geo B
1937ΔLowry O Raymond
1943ΔTurner Ruth P Mrs ⓞ
ΔBondurant Reid
1947ΔWalker S Griffin ⓞ
1948ΔRagwell W Henry ⓞ
1952ΔMoore Robt I ⓞ
1953 Meredith H
rear Martin Aaron
1955ΔPrichard Bailey
1958ΔLong Ben J
1959ΔNeptune Jos C
1961ΔJones Mason C ⓞ
rear Williams Rose L
1962ΔCrump Edw H Hon ⓞ
rear Cleve Clint
1963ΔPayne Bledsoe ⓞ
1967ΔScott Juanita M Mrs
S Rembert intersects
1993ΔSanders Onie D ⓞ
rear Terrell Irene
1999 Brooks John J
2003ΔHild Mattie Mrs
2007 Campbell John J
2009ΔGills Roy G ⓞ
2011ΔGary Carrie B ⓞ
rear Lewis Aaron
2017ΔGary Kirk I
2023 Maffer Bee Mrs
2029ΔRomeo Jos C gro
S Diana intersects
2030 Riley Grover
2032ΔJohnson Blanche Mrs
2034ΔMcRae Marion L
2036ΔSchmidt Chas
2037ΔFriday John B
2039ΔCrumby Eckford M
2041ΔLindsey Benj W
2042ΔKnight Fredonia S Mrs ⓞ
2043 Kirby Perkins K
2046ΔGrasmick Frank ⓞ
2047 Fienberger Yetta Mrs
2050ΔSauls Irene Mrs
2056ΔJohnson Albert ⓞ
2061 Cooper Jesse
2062 Dacus Walter E ⓞ
2063 McKinney Amverlee
2064ΔJones Chas A ⓞ
2065 Plummer Hermey C
2069 Wilson Lloyd H
2070ΔRidout Nettie B Mrs ⓞ
S Florence intersects
2071ΔRosson Guy H
2073 Sills Lloyd
2075ΔCunningham John L
2085 Lewis Cornelia E ⓞ
2089 Owen Herbert B
2093ΔBarnett Willard S
2103ΔMcCullough Adolphus ⓞ
2105ΔLedbetter Andrew F ⓞ
2107ΔJenkins Viola Mrs ⓞ
2111 Maxwell Kenneth
2117ΔBradford Harry P ⓞ
Rogers Lita Mrs

PEACH (Changed to Minnie)

PEACH AV — From Ayers east to N McLean blvd, 2 south of Autumn av
945-85 Dixie Homes
945 (A)ΔShivers Anthony
(B)ΔJohnson Robt
(C) Thomas Wm
(D) Thomas Eug E
947 (A)ΔSpain Robt
(B) Bohanan Howard
(C)ΔMorgan Robt
(D) McClaren Henry
949 (A) Hiram Julia
(B)ΔHines Robt
(C) Warren Saml
(D)ΔDowns J Wesley
Queen intersects
952 Payne Georgia
954 Davis Myrtle
946 Tracey Winnie
958ΔLane S Grant ⓞ
Lane Daisy nurse
962 Hicks Elberta
968 Harris Mary
970ΔGreen Chas
972ΔSatterfield Clifton ⓞ
976 Golden Leaf Baptist Church
980 (1) Rogers Dani
(2) Hood Laura
(3) Dukes Betty
(4) Dukes Robt
981 (A)ΔMurphy Thos W
(B)ΔDean Henry
(C) Lewis Jack
(D) Seay Ransom
983Δ(A) Tate Andrew
(B)ΔHervey Jos
(C) Smith Britton jr
(D) Johnson C B
984Δ(1) Hunter Mary L
(2) Bell Margt
(3) Harvey John barber
(4) Brookins Saml
985 (A) Lewis Mercie D
(B) Robinson John
(C)ΔTowsel Wm B
(D) Hearns Elzie
986 (1)ΔOsbin John
(2) Lewis Thos
(3) Waldron Florence
(4) Walton Florence A
990 (1) Richard Jas
(2) Owens Queenie
(3) Mitchell Florence
(4) Coleman Jasper
994 (1) Watkins Roosevelt
(2) Pruit Horace
(3) Austin Alberta
(4) McFerren Bettie
998 (1) Swift Harvey
(2) White Freddie
(3) Sullivan Dani
(4) Pruitt Frank
1000 (1) Harris Katie
(2) Miller Laura
(3) Keath Ernest
(4) Jones Chester
N Dunlap intersects
Decatur intersects
1032ΔGipson Calvin ⓞ
1038ΔLittlejohn Claude ⓞ
1041ΔShaw Chas ⓞ
1042ΔGordon Lee J ⓞ
1046 Taylor Lucinda ⓞ
1049ΔGriffin John ⓞ
1050ΔWaters Mary
1055ΔMiller John R
1056 Dahin Maybelle Mrs
Burns Emmett
1063 Wells Jas W
1064ΔMalone Evelyn Mrs ⓞ
1065 Feibish Misha
1072ΔGresham Hattie L Mrs
1073 VanEaton Hobart M
VanEaton Leonard W
1080ΔO'Byrnes Harry ⓞ
1081 Moorman Geo R
1082ΔVaughan Wm P
ΔMoore John H
N Waldran blvd intersects
Lewis intersects
1163ΔSanders Elevian G ⓞ
N Bellevue blvd intersects
1208ΔNorment Jas W
1210ΔFisher Jos L
N Montgomery intersects
Malvern intersects
1266ΔStephenson Melmoth A
1270ΔWolf Ada L Mrs ⓞ
ΔMcHugh Patk A
1292 Liggett Mary Mrs
N Claybrook intersects
N Watkins intersects
Baker intersects
N Willett intersects
1662 Ellis S Richmond nurse
ΔLacy Wm M ⓞ
1663ΔSloan Jas B jr
1668ΔLee Robt G Rev ⓞ
1669ΔBailey E Oliver jr ⓞ
1674ΔCaden John G
1675ΔWallace John R ⓞ
1678ΔEtter C Barton ⓞ
1679ΔKyle Albert S
1683ΔHefter Esther Mrs ⓞ

AYERS ST
EXCHANGE AVE ENDS
(1) 221 Ward Verna J Mrs r.....2-5992
MOSBY AVE CROSSES
(1) 307 Evans J J r.....2-7301
PEACH AVE BEGINS
(1) 351 Williams Virginia r 2-9779
(1) 392 Cummings Mamie r.....2-4664
LANE AVE CROSSES
(PS) 400 Barnett Willie Mae restr ..7-9145
(1) 407 Dixon Ruby Mae r 2-9417
(1) 423 Irvin Minetta r.....2-4027
AUTUMN AVE CROSSES
GALLOWAY AVE BEGINS
FORREST AVE BEGINS
PARKWAY N CROSSES
FAXON AVE CROSSES
JACKSON AVE CROSSES
(1) 638 Reams E L r 5-1877
ORPHANAGE AVE ENDS
(1) 664 McCrary Louise r 8-6297
(1) 688 Williams Drucilla r 5-1984
(1) 691 Drake E W r 5-3219

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DECATUR ST

POPLAR AVE CROSSES
EXCHANGE AVE ENDS
MERIWETHER AVE CROSSES

(1) 147 Wilbert M r 2-7933
(1) 230 Moore Kathryn r.....7-1474-J
(1) 236 Frost Alice r.....2-5182
(1) 242 Crawford Mattie r 2-6306
(1) 292 Shaw Edna r.....7-1474-W
(1) 296 Williams Rose r.....2-9581

DELMAR PL CROSSES

(1) 346 Daniels Emma Mrs r.....2-4488
(1) 368 Holliday Estelle r.....2-3736

PEACH AVE CROSSES
OVERTON PARK AVE BEGINS

(1) 373 Watson B L r 2-1473
(1) 381 Harvey Robert r 2-0975
(1) 383 Hamilton Eva r 2-9734
(1) 387 Smith Carrie r 2-4271
(1) 391 Fields W M Rev r 7-6683
(1) 394 Whitehead Ella r 2-8420
(1) 395 Donoho J C r 2-5518
(1) 397 Swift Mary F r 2-5970
(1) 398 Barnett G W Sr r 2-4667

LANE AVE CROSSES

(1) 409 Baldi Mary r.....7-1905
(PS) 409 B & P Grocery 8-9137
(1) 417 Liberty Coal Co 2-7040

AUTUMN AVE CROSSES

(3) 440 Cook & Nichol Inc bldg mtrl.2-8134
(4) 443 Galloway-Eberhart Coal Co..6-1533
451 Eberhart Coal Co.....6-1667
(6) 451 Galloway-Eberhart Coal Co...6-1667
(3) 451 Latura-Whitten Coal Co.....6-2531

GALLOWAY AVE CROSSES
FORREST AVE CROSSES
PARKWAY N CROSSES
FAXON AVE CROSSES
GREENLAW AVE CROSSES
JACKSON AVE CROSSES

(1) 641 Gilbert Mary Sue Miss r...8-6245
(1) 656 Pass Esther Miss r.....8-6377
(1) 659 Humphrey Ida S r 5-2097
(1) 660 Pirtle E C r 8-6267
(1) 665 Croce Paul O r 5-3104
(1) 666 Nolan G W r.....6-7749-J

PEACH AVE

(1) 958 Lane Grant r.....2-7537
(1) 970 Green Mattie Mrs r.....2-4111
(1) 972 Satterfield Clifton r 2-2474

DECATUR ST CROSSES

(1) 1032 Gipson Calvin r.....2-7938
(1) 1038 Arnold Cloria r.....2-9977
(1) 1049 Gordon Sarah r.....2-7671
(1) 1050 Waters Mary r 2-2550

WALDRAN BLVD N CROSSES

(1) 1055 Griffin H B r.....2-7753

LEWIS ST CROSSES

(1) 1064 Jones Lela Miss r 2-3351
(1) 1064 Malone F E Mrs r 2-6347
(1) 1072 Blackmon D r 2-4046
(1) 1073 Morris Joe H r.....2-1963
(1) 1080 Lawrence N W r.....2-5053
(1) 1081 Phillips C B r 2-4680
(1) 1082 Vaughan W P r 2-2518

BELLEVUE ST N CROSSES
MONTGOMERY ST N CROSSES
MALVERN ST CROSSES

(1) 1210 Moody M Ottoway r 2-6157
(1) 1266 Stepherson M A Sr r.....2-4847
(1) 1270 Wolf P S r 2-9969
(1) 1292 Rodgers A C r 7-3688-J

CLAYBROOK ST N CROSSES
CLEVELAND ST N CROSSES
WATKINS ST N CROSSES
GARLAND ST N CROSSES
McNEIL ST N CROSSES

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Other numbers not preceded by a or r are street numbers

AYERS ST

EXCHANGE AVE ENDS

(1) 221 Ward Verna J Mrs r.....2-5992
(PS) 229 Anderson B B rest.....6-9996
(PS) 280 Turner Geo W & Co contr....6-9177

MOSBY AVE CROSSES

(1) 307 Evans J J r.....2-7301
(1) 319 Zellner Abe H r.....2-7209
(1) 320 Hill Ella r.....2-2076
(1) 329 Shears Gillie Mae r.....2-3985
(1) 330 Walker F r.....2-6344
(1) 335 Barham Nathan r.....2-9096
(1) 345 Sutten Louis r.....2-4142
(1) 348 Adams Leathia r.....2-4593
(1) 351 Williams Virginia r.....2-5040

PEACH AVE BEGINS

(1) 379 Espig Fred r.....2-7123
(1) 392 Cummings Mamie r.....2-4664
(PS) 400 Fields C rstr.....6-9709

LANE AVE CROSSES

(1) 418 Winston Elijah r.....2-5853

AUTUMN AVE CROSSES
GALLOWAY AVE BEGINS
FORREST AVE BEGINS
PARKWAY N CROSSES
FAXON AVE CROSSES
JACKSON AVE CROSSES

(1) 650 Glover Luther r.....6-1370-W
(1) 652 Thomas Emmett r.....6-7744-J
(1) 656 Ross Juanita Gallagher r...6-7744-W

ORPHANAGE AVE ENDS

(1) 666 Norfleet E M r.....6-5455-W
(1) 669 Stephens C L r.....8-4429

DECATUR ST

POPLAR AVE CROSSES
EXCHANGE AVE ENDS

(1) 237 Nethery Herbert Mrs r.....
(1) 245 Schinnerer Bessie Mrs r.....
(1) 251 Ray Mary Mrs r.....

MERIWETHER AVE CROSSES

(1) 273 Gibson Calvin r.....
(1) 275 Parker Luttie r.....
(1) 290 Peyton Will r.....
(1) 296 Jones Fred r.....
(1) 300 Goodrich Sallie r.....
(1) 301 Sodini & Coda gro.....

DELMAR PL CROSSES

(1) 311 Gordon Clnrs & Dyers.....
(1) 316 Mitchell John r.....
(1) 319 Gordon Sarah r.....
(1) 320 Bennett Bertha r.....
(1) 333 Holliday Estelle r.....
(1) 346 Daniels Emma Mrs r.....
(1) 351 Rankins Joe r.....
(PS) 367 Torri A & Co gro.....
(1) 368 Bindom Luvinia r.....
(1) 368 Wilson Morgan D r.....

PEACH AVE CROSSES
OVERTON PARK AVE BEGS

(1) 373 Watson B L r.....
(1) 383 Hamilton Eva r.....
(1) 387 Smith Carrie r.....
(1) 391 Williams Harvey P r.....
(1) 395 Donoho J C r.....

LANE AVE CROSSES

(PS) 409 Washer Fannie Mrs delctsn.....
(1) 413 Anderson Mattie r.....
(1) 417 Liberty Coal Co.....

AUTUMN AVE CROSSES

(1) 440 Cook & Nichol Inc bldg mtrl.....
440 Cook Lime & Cement Co.....
(1) 443 Galloway-Eberhart Coal Co.....
451 Eberhart Coal Co.....
(4) 451 Galloway-Eberhart Coal Co.....
(3) 451 Latura-Whitten Coal Co.....

GALLOWAY AVE CROSSES
FORREST AVE CROSSES
PARKWAY N CROSSES
FAXON AVE CROSSES
GREENLAW AVE CROSSES

(1) 599 Hays G W Rev r.....

JACKSON AVE CROSSES

(1) 641 Gilbert Mary Sue Miss r.....
(1) 656 Pass Esther Miss r.....

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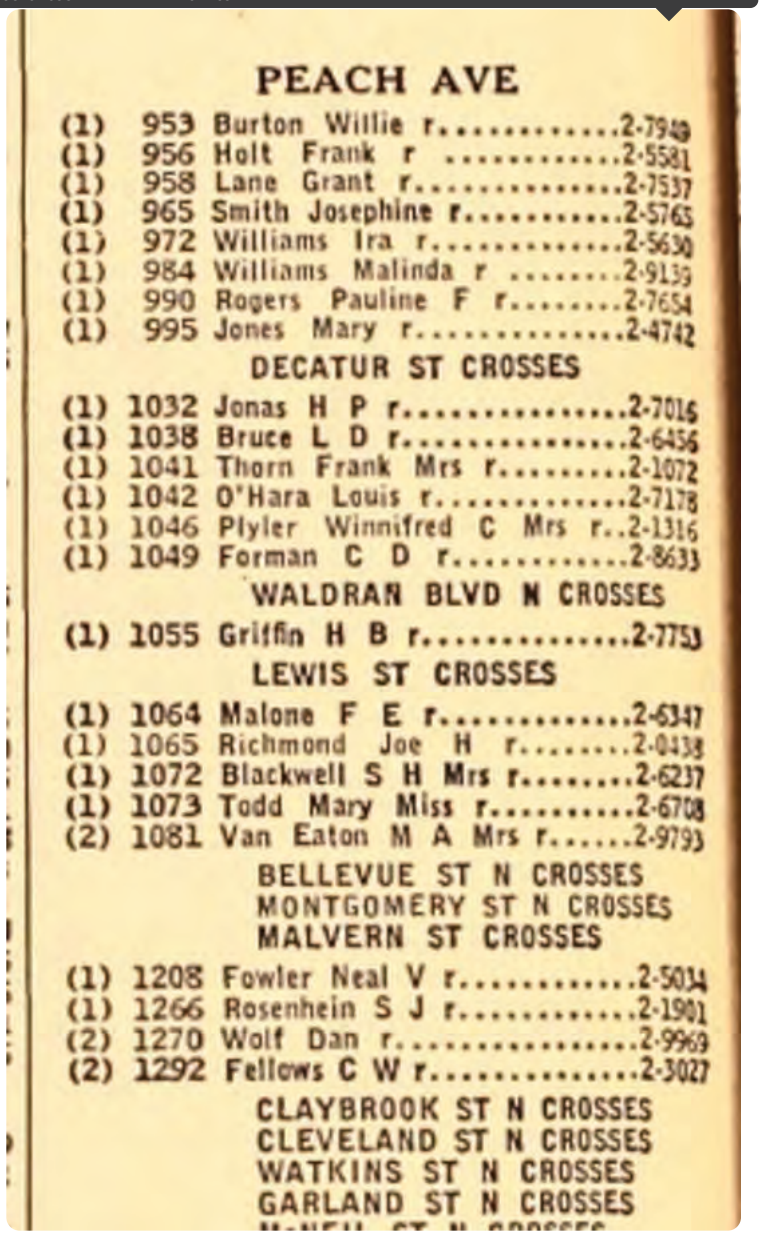

PEACH AVE

(1) 953 Burton Willie r.....2-7949
(1) 956 Holt Frank r 2-5581
(1) 958 Lane Grant r.....2-7537
(1) 965 Smith Josephine r.....2-5765
(1) 972 Williams Ira r.....2-5630
(1) 984 Williams Malinda r 2-9139
(1) 990 Rogers Pauline F r.....2-7654
(1) 995 Jones Mary r.....2-4742

DECATUR ST CROSSES

(1) 1032 Jonas H P r.....2-7016
(1) 1038 Bruce L D r.....2-6456
(1) 1041 Thorn Frank Mrs r.....2-1072
(1) 1042 O'Hara Louis r.....2-7178
(1) 1046 Plyler Winnifred C Mrs r..2-1316
(1) 1049 Forman C D r.....2-8633

WALDRAN BLVD N CROSSES

(1) 1055 Griffin H B r.....2-7753

LEWIS ST CROSSES

(1) 1064 Malone F E r.....2-6347
(1) 1065 Richmond Joe H r.....2-0438
(1) 1072 Blackwell S H Mrs r.....2-6237
(1) 1073 Todd Mary Miss r.....2-6708
(2) 1081 Van Eaton M A Mrs r.....2-9793

BELLEVUE ST N CROSSES
MONTGOMERY ST N CROSSES
MALVERN ST CROSSES

(1) 1208 Fowler Neal V r.....2-5034
(1) 1266 Rosenhein S J r.....2-1901
(2) 1270 Wolf Dan r.....2-9969
(2) 1292 Fellows C W r.....2-3027

CLAYBROOK ST N CROSSES
CLEVELAND ST N CROSSES
WATKINS ST N CROSSES
GARLAND ST N CROSSES

--- END REPORT ---

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Appendix E
Physical Setting Documents

PSR
PHYSICAL SETTING REPORT

Property Information

Order Number:	21112200240p
Date Completed:	November 22, 2021
Project Number:	0888830988
Project Property:	Legends Park - Block A Legends Park - Block A Memphis TN
Coordinates:	
Latitude:	35.14930744
Longitude:	-90.02724027
UTM Northing:	3893647.73439 Meters
UTM Easting:	770816.865342 Meters
UTM Zone:	UTM Zone 15S
Elevation:	259.99 ft
Slope Direction:	S

Topographic Information....2
Hydrologic Information....4
Geologic Information....7
Soil Information....9
Wells and Additional Sources....12
Summary....13
Detail Report....16
Radon Information....84
Appendix....85
Liability Notice....87

The ERIS ***Physical Setting Report - PSR*** provides comprehensive information about the physical setting around a site and includes a complete overview of topography and surface topology, in addition to hydrologic, geologic and soil characteristics. The location and detailed attributes of oil and gas wells, water wells, public water systems and radon are also included for review.

The compilation of both physical characteristics of a site and additional attribute data is useful in assessing the impact of migration of contaminants and subsequent impact on soils and groundwater.

Disclaimer

This Report does not provide a full environmental evaluation for the site or adjacent properties. Please see the terms and disclaimer at the end of the Report for greater detail.

Topographic Information

Current USGS Topo (2016)

Miles
0 0.2 0.4 0.8

N

Quadrangle(s): Northwest Memphis, TN

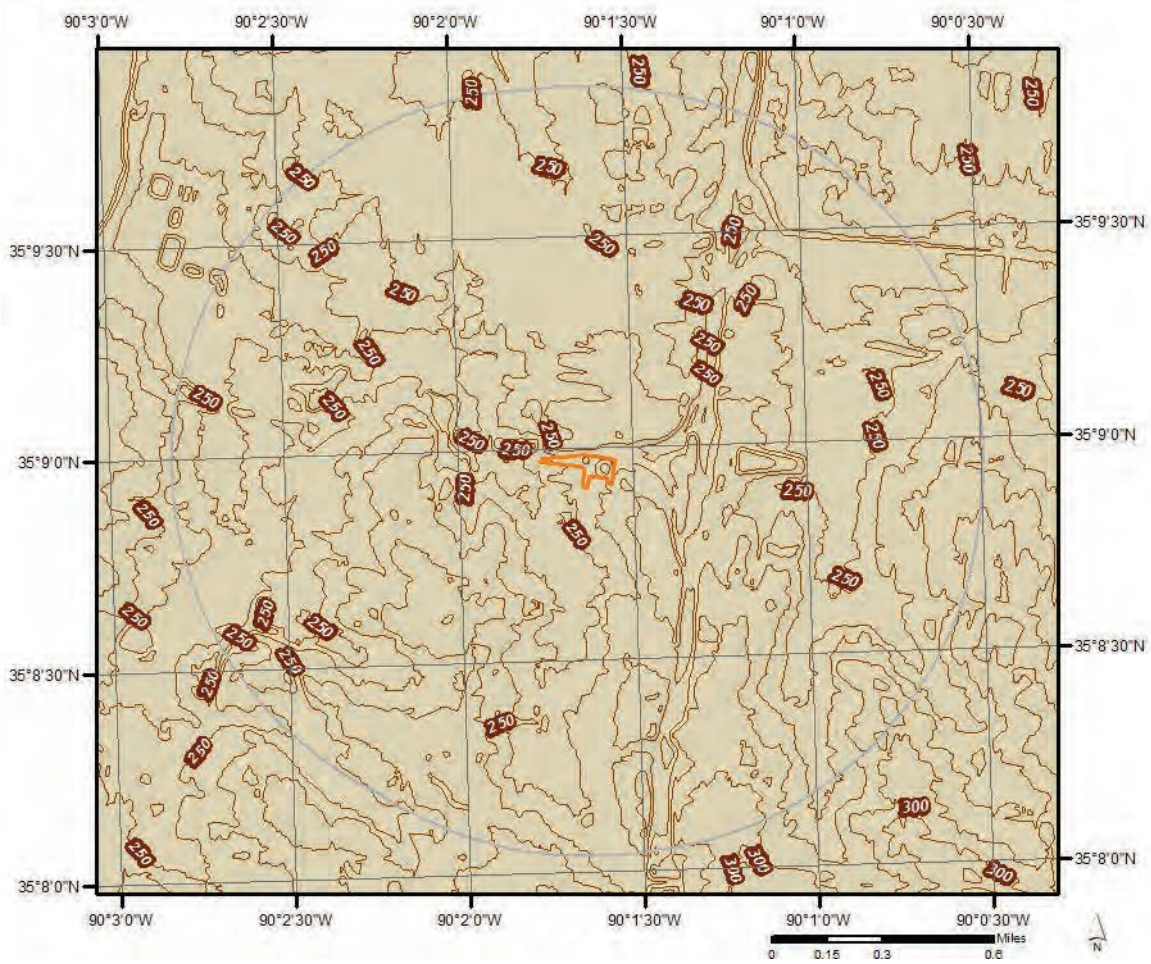
Source: USGS 7.5 Minute Topographic Map

Topographic Information

The previous topographic map(s) are created by seamlessly merging and cutting current USGS topographic data. Below are shaded relief map(s), derived from USGS elevation data to show surrounding topography in further detail.

Topographic information at project property:

Elevation:	259.99 ft
Slope Direction:	S



Hydrologic Information

Wetland

Miles
0 0.075 0.15 0.3

N

This map shows wetland existence using data from US Fish & Wildlife.
Data coverage is shown to the right. Gray indicates no data available in the area.

- Estuarine and Marine Deepwater
- Estuarine and Marine Wetland
- Freshwater Emergent Wetland
- Freshwater Forested/Shrub Wetland
- Freshwater Pond
- Lake
- Other
- Riverine

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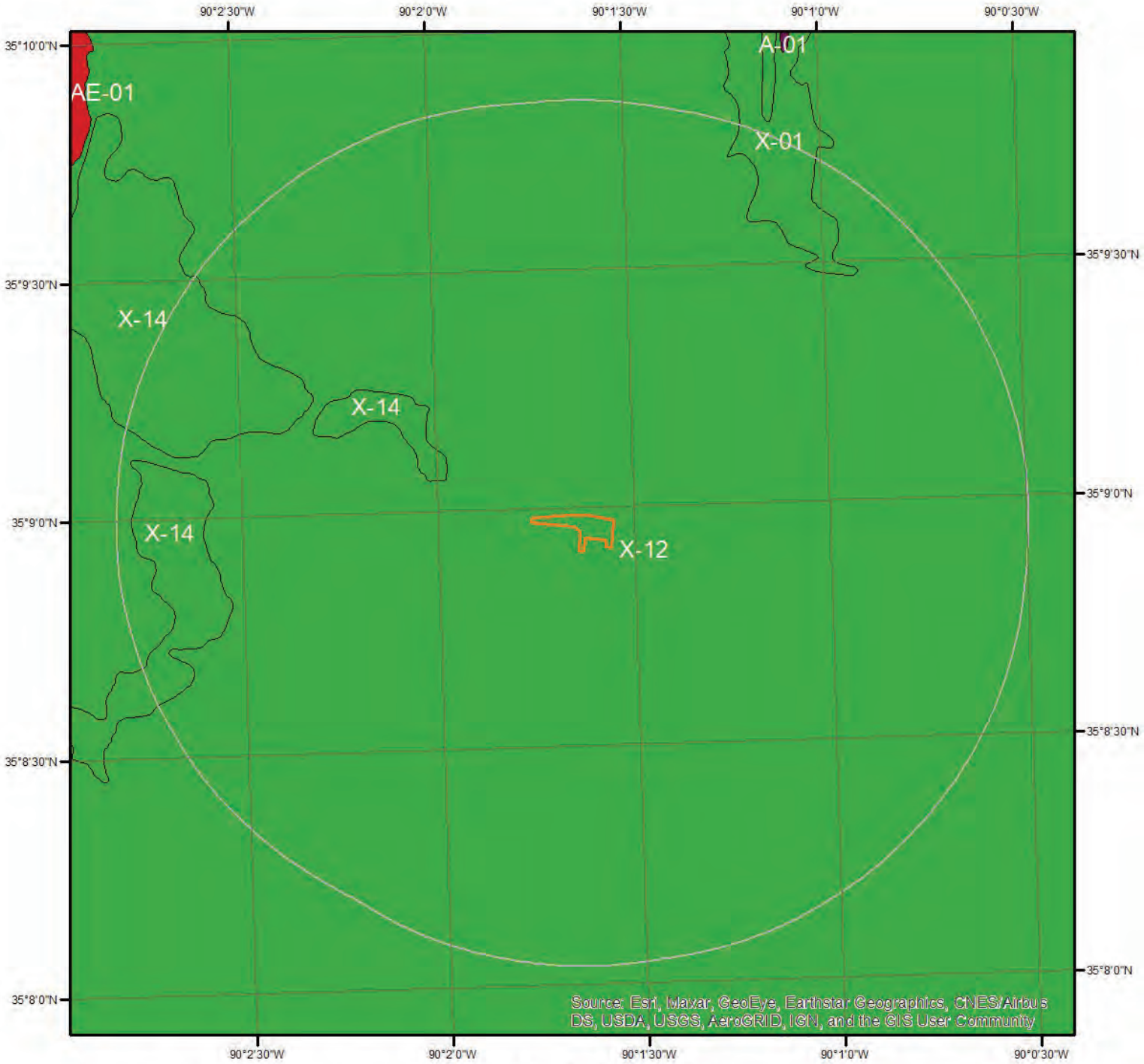
Hydrologic Information



Flood Hazard Zones

This map shows FEMA flood hazard zones. FIRM panels are shown to the right, and blank indicates no data is available.

Miles
0 0.2 0.4

N

47157C0270F
05035C0375E

A	AO	X
A99	V	OPEN WATER
AE	VE	NOT POPULATED
AH	D	AREA NOT INCLUDED

ERIS

Hydrologic Information

The Wetland Type map shows wetland existence overlaid on an aerial imagery. The Flood Hazard Zones map shows FEMA flood hazard zones overlaid on an aerial imagery. Relevant FIRM panels and detailed zone information is provided below.
For detailed Zone descriptions please click the link: https://floodadvocate.com/fema-zone-definitions

Available FIRM Panels in area:	47157C0270F(effective:2007-09-28) 05035C0375E(effective:2011-05-03)

Flood Zone X-01

Zone:	X
Zone subtype:	0.2 PCT ANNUAL CHANCE FLOOD HAZARD

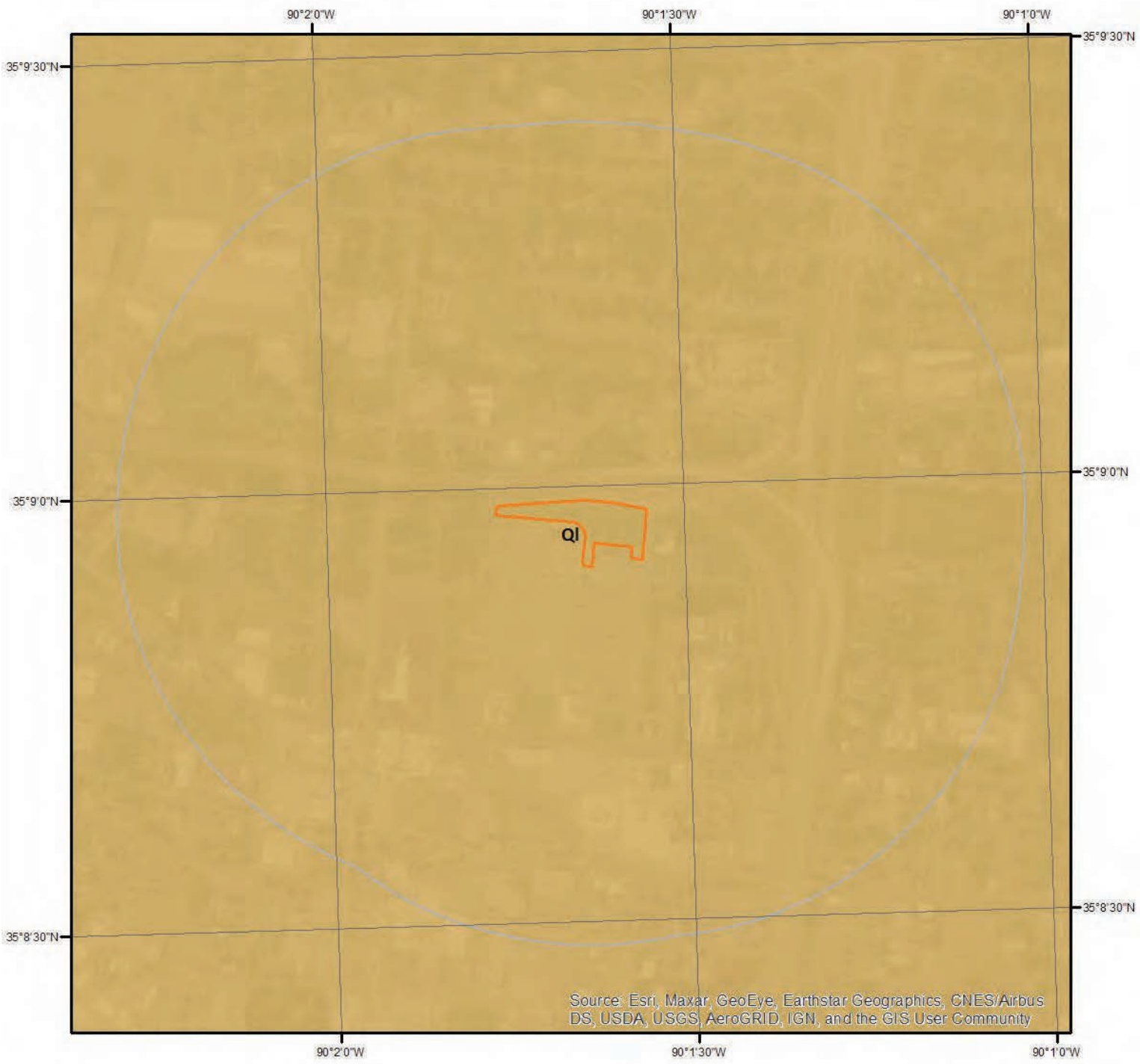
Flood Zone X-12

Zone:	X
Zone subtype:	AREA OF MINIMAL FLOOD HAZARD

Flood Zone X-14

Zone:	X
Zone subtype:	AREA WITH REDUCED FLOOD RISK DUE TO LEVEE

Geologic Information



Miles
0 0.2 0.4
N

Geologic Units

This maps shows geologic units in the area. Please refer to the report for detailed descriptions.

ERIS

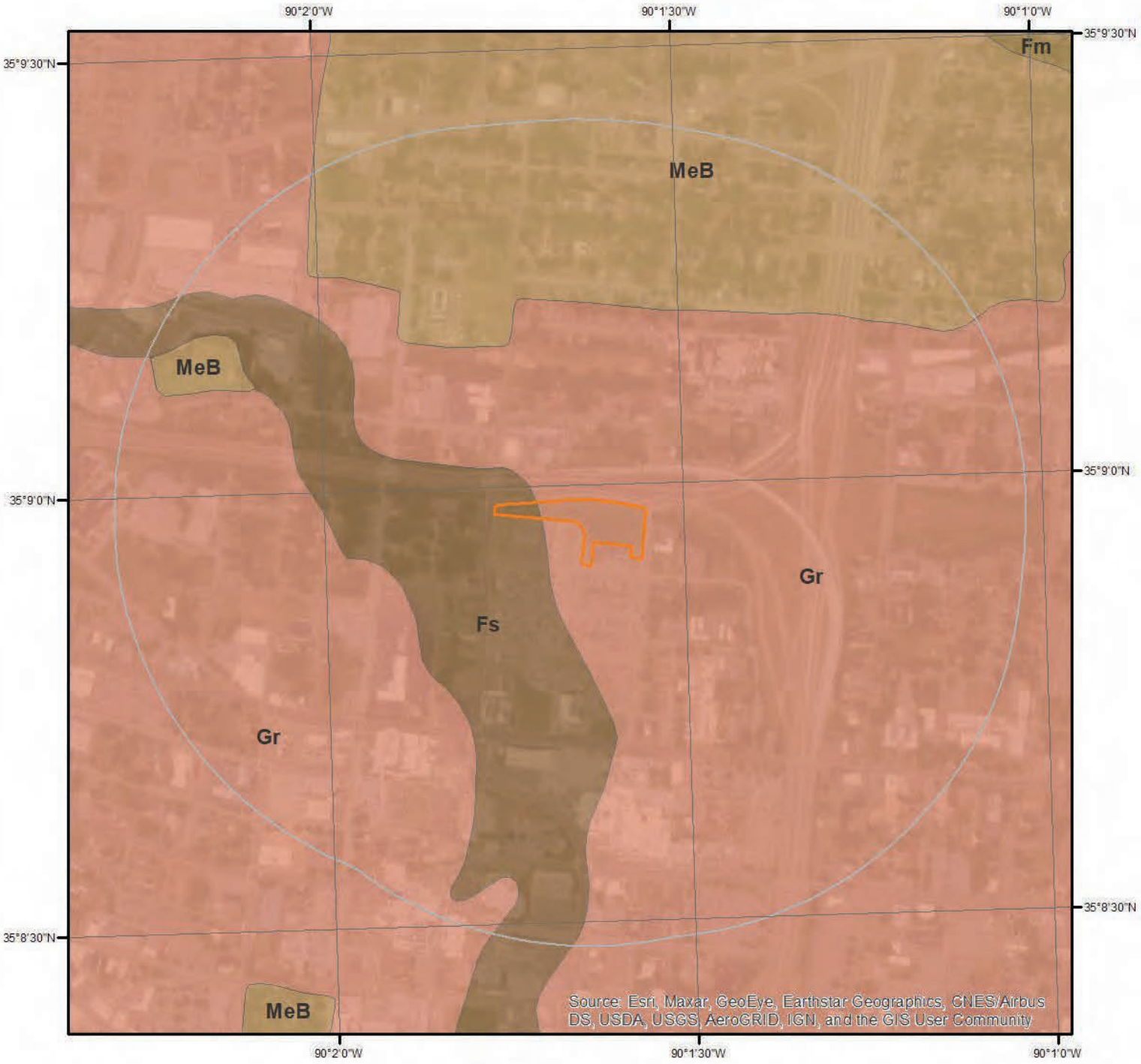
Geologic Information

The previous page shows USGS geology information. Detailed information about each unit is provided below.

Geologic Unit Ql

Unit Name:	Loess
Unit Age:	Quaternary
Primary Rock Type:	silt
Secondary Rock Type:	
Unit Description:	Loess - Clayey and sandy silt, gray to brown, massive. Maximum thickness about 100 feet along bluffs of Mississippi River; thins eastward. (Minimum mapped thickness 4 feet.)

Soil Information



SSURGO Soils

0 0.2 0.4 Miles

N

This maps shows SSURGO soil units around the target property. Please refer to the report for detailed soil descriptions.

ERIS

Soil Information

The previous page shows a soil map using SSURGO data from USDA Natural Resources Conservation Service. Detailed information about each unit is provided below.

Map Unit Fs (4.2%)

Map Unit Name:	Filled land, silty (udorthent, silty)
Bedrock Depth - Min:	null
Watertable Depth - Annual Min:	null
Drainage Class - Dominant:	Well drained
Hydrologic Group - Dominant:	null
Major components are printed below	
Udorthents, silty(100%)	
horizon H1(0cm to 152cm)	Silt loam

Component Description:

Minor map unit components are excluded from this report.

Map Unit: Fs - Filled land, silty (udorthent, silty)

Component: Udorthents, silty (100%)
Generated brief soil descriptions are created for major soil components. The Udorthents, silty is a miscellaneous area.

Map Unit Gr (36.61%)

Map Unit Name:	Graded land, silty materials(udorthent, silty)
Bedrock Depth - Min:	null
Watertable Depth - Annual Min:	null
Drainage Class - Dominant:	Well drained
Hydrologic Group - Dominant:	null
Major components are printed below	
Udorthents, silty(100%)	
horizon H1(0cm to 152cm)	Silt loam

Component Description:

Minor map unit components are excluded from this report.

Map Unit: Gr - Graded land, silty materials(udorthent, silty)

Component: Udorthents, silty (100%)
Generated brief soil descriptions are created for major soil components. The Udorthents, silty is a miscellaneous area.

Map Unit MeB (59.19%)

Map Unit Name:	Memphis silt loam, 2 to 5 percent slopes
Bedrock Depth - Min:	null
Watertable Depth - Annual Min:	null
Drainage Class - Dominant:	Well drained
Hydrologic Group - Dominant:	B - Soils in this group have moderately low runoff potential when thoroughly wet. Water transmission through the soil is unimpeded.
Major components are printed below	

Soil Information

Memphis(100%)

horizon Ap(0cm to 18cm)	Silt loam
horizon Bt1(18cm to 46cm)	Silty clay loam
horizon Bt2(46cm to 188cm)	Silt loam
horizon C(188cm to 274cm)	Silt loam

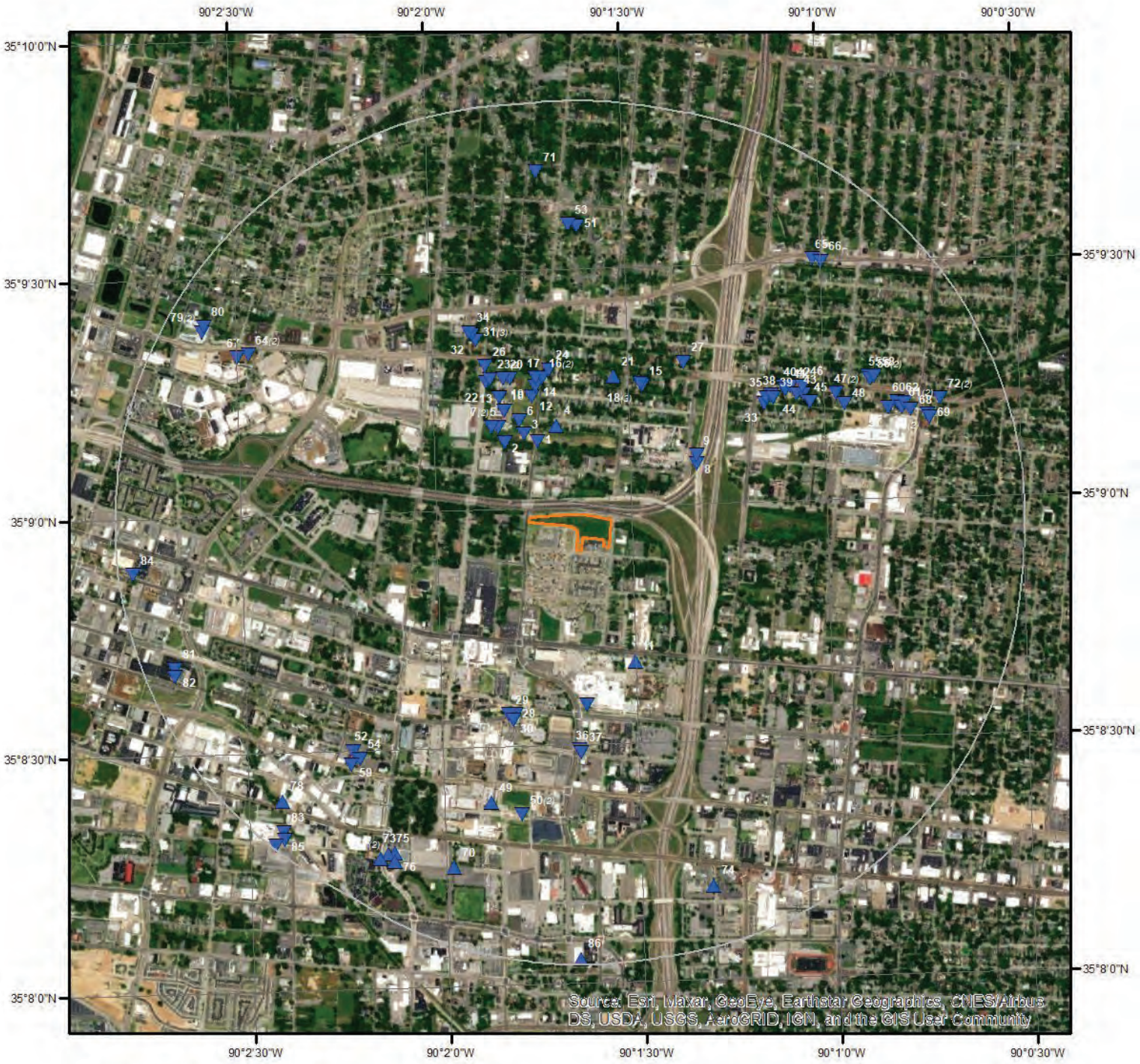
Component Description:

Minor map unit components are excluded from this report.

Map Unit: MeB - Memphis silt loam, 2 to 5 percent slopes, northern phase

Component: Memphis (100%)
The Memphis component makes up 100 percent of the map unit. Slopes are 2 to 5 percent. This component is on loess hills on plains. The parent material consists of fine-silty noncalcareous loess. Depth to a root restrictive layer is greater than 60 inches. The natural drainage class is well drained. Water movement in the most restrictive layer is moderately high. Available water to a depth of 60 inches (or restricted depth) is very high. Shrink-swell potential is low. This soil is not flooded. It is not ponded. There is no zone of water saturation within a depth of 72 inches. Organic matter content in the surface horizon is about 2 percent. This component is in the F134XY002AL Northern Deep Loess Summit - Provisional ecological site. Nonirrigated land capability classification is 2e. This soil does not meet hydric criteria.

Wells and Additional Sources



Wells & Additional Sources

N

0 0.15 0.3 0.6 Miles

- Sites with Higher Elevation
- Sites with Same Elevation
- Sites with Lower Elevation
- Sites with Unknown Elevation
- OGW Sites with Higher Elevation
- OGW Sites with Same Elevation
- OGW Sites with Lower Elevation
- OGW Sites with Unknown Elevation

ERIS

Wells and Additional Sources Summary

Federal Sources

Public Water Systems Violations and Enforcement Data

Map Key	PWS ID	Distance (ft)	Direction
74	TN0008230	4523.96	SSE

Safe Drinking Water Information System (SDWIS)

Map Key	ID	Distance (ft)	Direction
	No records found		

USGS National Water Information System

Map Key	Monitoring Loc Identifier	Distance (ft)	Direction
1	USGS-350908090014401	956.78	NNW
2	USGS-350908090014901	1008.98	NW
3	USGS-350909090014601	1066.02	NNW
4	USGS-350910090014101	1146.58	NNW
5	USGS-350910090015001	1227.00	NW
7	USGS-350910090015101	1255.14	NW
7	USGS-350910090015102	1255.14	NW
10	USGS-350912090014901	1400.59	NNW
11	USGS-350840090013001	1501.66	SSE
14	USGS-350915090014401	1664.02	NNW
16	USGS-350916090014302	1760.96	NNW
16	USGS-350916090014301	1760.96	NNW
17	USGS-350916090014401	1765.06	NNW
18	USGS-350915090012800	1774.36	NNE
18	USGS-350915090012801	1774.36	NNE
18	USGS-350915090012804	1774.36	NNE
19	USGS-350916090014801	1786.04	NNW
20	USGS-350916090014901	1797.97	NNW
21	USGS-350916090013201	1801.31	NNE
23	USGS-350916090015100	1832.93	NNW
23	USGS-350916090015101	1832.93	NNW
24	USGS-350917090014201	1857.91	NNW
27	USGS-350917090012000	2208.67	NNE
30	USGS-350833090014901	2319.75	SSW
31	USGS-350921090015300	2364.56	NNW
31	USGS-350921090015301	2364.56	NNW
31	USGS-350921090015302	2364.56	NNW
33	USGS-350912090010901	2456.71	NE
34	USGS-350922090015401	2484.80	NNW
36	USGS-350829090013901	2543.61	S
38	USGS-350913090100801	2583.24	NE
40	USGS-350914090010601	2777.14	NE
42	USGS-350914090010503	2844.91	ENE
43	USGS-350913090010401	2858.21	ENE
44	USGS-350913090010302	2928.81	ENE
45	USGS-350914090010501	2949.92	ENE
46	USGS-350914090010301	2982.74	ENE
47	USGS-350913090005801	3290.58	ENE
47	USGS-350913090005802	3290.58	ENE
50	USGS-350821090014800	3452.54	SSW
50	USGS-350821090014801	3452.54	SSW

51	USGS-350935090013701	3672.41	N
53	USGS-350936090013901	3698.78	N
55	USGS-350915090005302	3752.49	ENE
57	USGS-350911090005001	3817.03	ENE
58	USGS-350915090005201	3826.44	ENE
59	USGS-350829090021401	3826.75	SW
61	USGS-350911090004801	3973.33	ENE
61	USGS-350911090004803	3973.33	ENE
62	USGS-350912090004801	4034.11	ENE
64	USGS-350920090022800	4145.42	WNW
64	USGS-350920090022801	4145.42	WNW
65	USGS-350930090010101	4199.72	NE
68	USGS-350910090004401	4258.02	ENE
71	USGS-350942090014301	4387.84	N
72	USGS-350912090004200	4477.63	ENE
72	USGS-350912090004201	4477.63	ENE
77	USGS-350816090021000	4674.16	SSW
77	USGS-350816090021001	4674.16	SSW
79	USGS-350923090023500	4799.73	WNW
79	USGS-350923090023501	4799.73	WNW
87	USGS-350818090022600	5240.00	SW

State Sources

County Water Wells

Map Key	Well No	Distance (ft)	Direction
6	15709711	1239.18	NNW
8	15709519	1307.78	ENE
9	15709518	1363.41	ENE
12	15709671	1533.18	NNW
13	15709675	1578.46	NNW
15	15709726	1749.75	NNE
22	15709712	1816.45	NNW
25	15709576	1967.19	S
26	20171720	2011.26	NNW
28	15709563	2246.11	SSW
29	15709564	2279.18	SSW
32	15709720	2445.76	NNW
35	20161087	2518.65	NE
37	15709690	2575.35	S
39	15709722	2586.10	NE
41	15709727	2780.37	NE
48	15709715	3330.51	ENE
49	15709504	3403.60	SSW
52	15709549	3676.98	SW
54	15709548	3705.25	SW
56	15709719	3761.79	ENE
56	15709723	3761.79	ENE
60	15709714	3944.13	ENE
63	20161086	4066.76	ENE
63	15709581	4066.76	ENE
66	15709600	4245.79	NE
67	15709496	4247.42	WNW
69	15709729	4274.79	ENE
70	15709517	4340.00	SSW
73	15709514	4510.39	SSW
75	15709512	4555.70	SSW
76	15709513	4595.90	SSW
78	15709547	4736.04	SW
80	15709681	4812.86	WNW
81	15709575	4884.26	WSW

82	15709574	4921.23	WSW
83	15709495	5039.15	SW
84	15709515	5089.68	W
85	15709591	5117.19	SW
86	15709569	5206.69	S

Oil and Gas Wells

Map Key	ID	Distance (ft)	Direction
	No records found		

Public Water Systems Violations and Enforcement Data

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
74	SSE	0.86	4,523.96	289.68	PWSV

Address Line 2:
State Code: TN
Zip Code: 38104
City Name: MEMPHIS
Address Line 1: 205 PASADENA PLACE
PWS ID: TN0008230
PWS Type Code: CWS
PWS Type Description: Community Water System
Primary Source Code: GWP
Primary Source Desc: Purchased groundwater
PWS Activity Code: I
PWS Activity Description: Inactive
PWS Deactivation Date: 19/04/2007
Phone Number:

--Details--
Population Served Count: 572
City Served:
County Served: Shelby
State Served: TN
Zip Code Served:

USGS National Water Information System

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
1	NNW	0.18	956.78	252.77	FED USGS

Organiz Identifier: USGS-TN
Organiz Name: USGS Tennessee Water Science Center
Well Depth: 1389
Well Depth Unit: ft
Well Hole Depth: 1389
W Hole Depth Unit: ft
Construction Date:
Source Map Scale:
Monitoring Loc Name: SH:O-172
Monitoring Loc Identifier: USGS-350908090014401
Monitoring Loc Type: Well
Monitoring Loc Desc:
HUC Eight Digit Code: 08010100
Formation Type: Fort Pillow Sand of Wilcox Group
Aquifer Name: Mississippi embayment aquifer system
Aquifer Type:
Country Code: US
Provider Name: NWIS
County: SHELBY
Latitude: 35.1523119
Longitude: -90.0289795

Drainage Area:	
Drainage Area Unit:	
Contrib Drainage Area:	
Contrib Drainage Area Unit:	
Horizontal Accuracy:	1
Horizontal Accuracy Unit:	seconds
Horizontal Collection Mthd:	Interpolated from MAP.
Horiz Coord Refer System:	NAD83
Vertical Measure:	254.00
Vertical Measure Unit:	feet
Vertical Accuracy:	5
Vertical Accuracy Unit:	feet
Vertical Collection Mthd:	Interpolated from topographic map.
Vert Coord Refer System:	NGVD29

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
2	NW	0.19	1,008.98	249.02	FED USGS

Organiz Identifier:	USGS-TN	Formation Type:	Memphis Sand
Organiz Name:	USGS Tennessee Water Science Center	Aquifer Name:	Mississippi embayment aquifer system
Well Depth:	477	Aquifer Type:	
Well Depth Unit:	ft	Country Code:	US
Well Hole Depth:		Provider Name:	NWIS
W Hole Depth Unit:		County:	SHELBY
Construction Date:		Latitude:	35.1523119
Source Map Scale:		Longitude:	-90.0303685
Monitoring Loc Name:	Sh:O-129 DUP		
Monitoring Loc Identifier:	USGS-350908090014901		
Monitoring Loc Type:	Well		
Monitoring Loc Desc:			
HUC Eight Digit Code:	08010100		
Drainage Area:			
Drainage Area Unit:			
Contrib Drainage Area:			
Contrib Drainage Area Unit:			
Horizontal Accuracy:	Unknown		
Horizontal Accuracy Unit:	Unknown		
Horizontal Collection Mthd:	Interpolated from MAP.		
Horiz Coord Refer System:	NAD83		
Vertical Measure:			
Vertical Measure Unit:			
Vertical Accuracy:			
Vertical Accuracy Unit:			

Vertical Collection Mthd:
Vert Coord Refer System:

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
3	NNW	0.20	1,066.02	254.00	FED USGS

Organiz Identifier:	USGS-TN	Formation Type:	McNairy Formation
Organiz Name:	USGS Tennessee Water Science Center	Aquifer Name:	Southeastern Coastal Plain aquifer system
Well Depth:	2634	Aquifer Type:	Confined single aquifer
Well Depth Unit:	ft	Country Code:	US
Well Hole Depth:	2656	Provider Name:	NWIS
W Hole Depth Unit:	ft	County:	SHELBY
Construction Date:		Latitude:	35.1525897
Source Map Scale:	24000	Longitude:	-90.0295351
Monitoring Loc Name:	SH:O-169		
Monitoring Loc Identifier:	USGS-350909090014601		
Monitoring Loc Type:	Well		
Monitoring Loc Desc:			
HUC Eight Digit Code:	08010100		
Drainage Area:			
Drainage Area Unit:			
Contrib Drainage Area:			
Contrib Drainage Area Unit:			
Horizontal Accuracy:	1		
Horizontal Accuracy Unit:	seconds		
Horizontal Collection Mthd:	Interpolated from MAP.		
Horiz Coord Refer System:	NAD83		
Vertical Measure:	254		
Vertical Measure Unit:	feet		
Vertical Accuracy:	5		
Vertical Accuracy Unit:	feet		
Vertical Collection Mthd:	Interpolated from topographic map.		
Vert Coord Refer System:	NGVD29		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
4	NNW	0.22	1,146.58	262.67	FED USGS

Organiz Identifier:	USGS-TN	Formation Type:	Memphis Sand
Organiz Name:	USGS Tennessee Water Science Center	Aquifer Name:	Mississippi embayment aquifer system
Well Depth:	797	Aquifer Type:	Confined single aquifer
Well Depth Unit:	ft	Country Code:	US
Well Hole Depth:	859	Provider Name:	NWIS
W Hole Depth Unit:	ft	County:	SHELBY

Construction Date:	19730821	Latitude:	35.1528675
Source Map Scale:		Longitude:	-90.0281462
Monitoring Loc Name:	SH:O-219		
Monitoring Loc Identifier:	USGS-350910090014101		
Monitoring Loc Type:	Well		
Monitoring Loc Desc:			
HUC Eight Digit Code:	08010100		
Drainage Area:			
Drainage Area Unit:			
Contrib Drainage Area:			
Contrib Drainage Area Unit:			
Horizontal Accuracy:	1		
Horizontal Accuracy Unit:	seconds		
Horizontal Collection Mthd:	Interpolated from MAP.		
Horiz Coord Refer System:	NAD83		
Vertical Measure:	255		
Vertical Measure Unit:	feet		
Vertical Accuracy:	5		
Vertical Accuracy Unit:	feet		
Vertical Collection Mthd:	Interpolated from topographic map.		
Vert Coord Refer System:	NGVD29		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
5	NW	0.23	1,227.00	249.08	FED USGS

Organiz Identifier:	USGS-TN	Formation Type:	Memphis Sand
Organiz Name:	USGS Tennessee Water Science Center	Aquifer Name:	Mississippi embayment aquifer system
Well Depth:	575	Aquifer Type:	Confined single aquifer
Well Depth Unit:	ft	Country Code:	US
Well Hole Depth:	575	Provider Name:	NWIS
W Hole Depth Unit:	ft	County:	SHELBY
Construction Date:		Latitude:	35.1528675
Source Map Scale:		Longitude:	-90.0306463
Monitoring Loc Name:	SH:O-197		
Monitoring Loc Identifier:	USGS-350910090015001		
Monitoring Loc Type:	Well		
Monitoring Loc Desc:			
HUC Eight Digit Code:	08010100		
Drainage Area:			
Drainage Area Unit:			
Contrib Drainage Area:			
Contrib Drainage Area Unit:			
Horizontal Accuracy:	1		
Horizontal Accuracy Unit:	seconds		

Horizontal Collection Mthd:	Interpolated from MAP.
Horiz Coord Refer System:	NAD83
Vertical Measure:	250
Vertical Measure Unit:	feet
Vertical Accuracy:	5
Vertical Accuracy Unit:	feet
Vertical Collection Mthd:	Interpolated from topographic map.
Vert Coord Refer System:	NGVD29

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
7	NW	0.24	1,255.14	249.64	FED USGS

Organiz Identifier:	USGS-TN	Formation Type:	McNairy Formation
Organiz Name:	USGS Tennessee Water Science Center	Aquifer Name:	Mississippi embayment aquifer system
Well Depth:		Aquifer Type:	
Well Depth Unit:		Country Code:	US
Well Hole Depth:		Provider Name:	NWIS
W Hole Depth Unit:		County:	SHELBY
Construction Date:		Latitude:	35.1528675
Source Map Scale:		Longitude:	-90.030924
Monitoring Loc Name:	SH:O-170 DUP		
Monitoring Loc Identifier:	USGS-350910090015101		
Monitoring Loc Type:	Well		
Monitoring Loc Desc:			
HUC Eight Digit Code:	08010100		
Drainage Area:			
Drainage Area Unit:			
Contrib Drainage Area:			
Contrib Drainage Area Unit:			
Horizontal Accuracy:	1		
Horizontal Accuracy Unit:	seconds		
Horizontal Collection Mthd:	Interpolated from MAP.		
Horiz Coord Refer System:	NAD83		
Vertical Measure:			
Vertical Measure Unit:			
Vertical Accuracy:			
Vertical Accuracy Unit:			
Vertical Collection Mthd:			
Vert Coord Refer System:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
7	NW	0.24	1,255.14	249.64	FED USGS

Organiz Identifier:	USGS-TN	Formation Type:	Fort Pillow Sand of Wilcox Group
Organiz Name:	USGS Tennessee Water Science Center	Aquifer Name:	Mississippi embayment aquifer system
Well Depth:	1381	Aquifer Type:	
Well Depth Unit:	ft	Country Code:	US
Well Hole Depth:	1384	Provider Name:	NWIS
W Hole Depth Unit:	ft	County:	SHELBY
Construction Date:	19251201	Latitude:	35.1528675
Source Map Scale:	24000	Longitude:	-90.030924
Monitoring Loc Name:	Sh:O-170		
Monitoring Loc Identifier:	USGS-350910090015102		
Monitoring Loc Type:	Well		
Monitoring Loc Desc:			
HUC Eight Digit Code:	08010100		
Drainage Area:			
Drainage Area Unit:			
Contrib Drainage Area:			
Contrib Drainage Area Unit:			
Horizontal Accuracy:	1		
Horizontal Accuracy Unit:	seconds		
Horizontal Collection Mthd:	Interpolated from MAP.		
Horiz Coord Refer System:	NAD83		
Vertical Measure:	255.40		
Vertical Measure Unit:	feet		
Vertical Accuracy:	0.1		
Vertical Accuracy Unit:	feet		
Vertical Collection Mthd:	Level or other surveyed method.		
Vert Coord Refer System:	NGVD29		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
10	NNW	0.27	1,400.59	247.45	FED USGS

Organiz Identifier:	USGS-TN	Formation Type:	Memphis Sand
Organiz Name:	USGS Tennessee Water Science Center	Aquifer Name:	Mississippi embayment aquifer system
Well Depth:	477	Aquifer Type:	
Well Depth Unit:	ft	Country Code:	US
Well Hole Depth:		Provider Name:	NWIS
W Hole Depth Unit:		County:	SHELBY
Construction Date:		Latitude:	35.153423
Source Map Scale:		Longitude:	-90.0303685
Monitoring Loc Name:	SH:O-129		
Monitoring Loc Identifier:	USGS-350912090014901		
Monitoring Loc Type:	Well		
Monitoring Loc Desc:			
HUC Eight Digit Code:	08010100		

Drainage Area:	
Drainage Area Unit:	
Contrib Drainage Area:	
Contrib Drainage Area Unit:	
Horizontal Accuracy:	Unknown
Horizontal Accuracy Unit:	Unknown
Horizontal Collection Mthd:	Interpolated from MAP.
Horiz Coord Refer System:	NAD83
Vertical Measure:	250.00
Vertical Measure Unit:	feet
Vertical Accuracy:	.01
Vertical Accuracy Unit:	feet
Vertical Collection Mthd:	Unknown.
Vert Coord Refer System:	NGVD29

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
11	SSE	0.28	1,501.66	261.25	FED USGS

Organiz Identifier:	USGS-TN	Formation Type:	
Organiz Name:	USGS Tennessee Water Science Center	Aquifer Name:	
Well Depth:	49	Aquifer Type:	
Well Depth Unit:	ft	Country Code:	US
Well Hole Depth:		Provider Name:	NWIS
W Hole Depth Unit:		County:	SHELBY
Construction Date:		Latitude:	35.1445343
Source Map Scale:		Longitude:	-90.0250906
Monitoring Loc Name:	SH:O-200		
Monitoring Loc Identifier:	USGS-350840090013001		
Monitoring Loc Type:	Well		
Monitoring Loc Desc:			
HUC Eight Digit Code:	08010100		
Drainage Area:			
Drainage Area Unit:			
Contrib Drainage Area:			
Contrib Drainage Area Unit:			
Horizontal Accuracy:	1		
Horizontal Accuracy Unit:	seconds		
Horizontal Collection Mthd:	Interpolated from MAP.		
Horiz Coord Refer System:	NAD83		
Vertical Measure:	280		
Vertical Measure Unit:	feet		
Vertical Accuracy:	5		
Vertical Accuracy Unit:	feet		

Vertical Collection Mthd:	Interpolated from topographic map.
Vert Coord Refer System:	NGVD29

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
14	NNW	0.32	1,664.02	254.21	FED USGS

Organiz Identifier:	USGS-TN	Formation Type:	
Organiz Name:	USGS Tennessee Water Science Center	Aquifer Name:	
Well Depth:	536	Aquifer Type:	
Well Depth Unit:	ft	Country Code:	US
Well Hole Depth:	536	Provider Name:	NWIS
W Hole Depth Unit:	ft	County:	SHELBY
Construction Date:		Latitude:	35.1542563
Source Map Scale:		Longitude:	-90.0289795
Monitoring Loc Name:	SH:O-193		
Monitoring Loc Identifier:	USGS-350915090014401		
Monitoring Loc Type:	Well		
Monitoring Loc Desc:			
HUC Eight Digit Code:	08010100		
Drainage Area:			
Drainage Area Unit:			
Contrib Drainage Area:			
Contrib Drainage Area Unit:			
Horizontal Accuracy:	1		
Horizontal Accuracy Unit:	seconds		
Horizontal Collection Mthd:	Interpolated from MAP.		
Horiz Coord Refer System:	NAD83		
Vertical Measure:	257		
Vertical Measure Unit:	feet		
Vertical Accuracy:	5		
Vertical Accuracy Unit:	feet		
Vertical Collection Mthd:	Interpolated from topographic map.		
Vert Coord Refer System:	NGVD29		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
16	NNW	0.33	1,760.96	256.25	FED USGS

Organiz Identifier:	USGS-TN	Formation Type:	Memphis Sand
Organiz Name:	USGS Tennessee Water Science Center	Aquifer Name:	Mississippi embayment aquifer system
Well Depth:	508	Aquifer Type:	
Well Depth Unit:	ft	Country Code:	US
Well Hole Depth:		Provider Name:	NWIS
W Hole Depth Unit:		County:	SHELBY

Construction Date:		Latitude:	35.1545341
Source Map Scale:		Longitude:	-90.0287018
Monitoring Loc Name:	SH:O-128		
Monitoring Loc Identifier:	USGS-350916090014302		
Monitoring Loc Type:	Well		
Monitoring Loc Desc:			
HUC Eight Digit Code:	08010100		
Drainage Area:			
Drainage Area Unit:			
Contrib Drainage Area:			
Contrib Drainage Area Unit:			
Horizontal Accuracy:	Unknown		
Horizontal Accuracy Unit:	Unknown		
Horizontal Collection Mthd:	Interpolated from MAP.		
Horiz Coord Refer System:	NAD83		
Vertical Measure:			
Vertical Measure Unit:			
Vertical Accuracy:			
Vertical Accuracy Unit:			
Vertical Collection Mthd:			
Vert Coord Refer System:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
16	NNW	0.33	1,760.96	256.25	FED USGS

Organiz Identifier:	USGS-TN	Formation Type:	Memphis Sand
Organiz Name:	USGS Tennessee Water Science Center	Aquifer Name:	Mississippi embayment aquifer system
Well Depth:	476	Aquifer Type:	
Well Depth Unit:	ft	Country Code:	US
Well Hole Depth:		Provider Name:	NWIS
W Hole Depth Unit:		County:	SHELBY
Construction Date:		Latitude:	35.1545341
Source Map Scale:		Longitude:	-90.0287018
Monitoring Loc Name:	SH:O-125		
Monitoring Loc Identifier:	USGS-350916090014301		
Monitoring Loc Type:	Well		
Monitoring Loc Desc:			
HUC Eight Digit Code:	08010100		
Drainage Area:			
Drainage Area Unit:			
Contrib Drainage Area:			
Contrib Drainage Area Unit:			
Horizontal Accuracy:	Unknown		
Horizontal Accuracy Unit:	Unknown		

Horizontal Collection Mthd:	Interpolated from MAP.
Horiz Coord Refer System:	NAD83
Vertical Measure:	
Vertical Measure Unit:	
Vertical Accuracy:	
Vertical Accuracy Unit:	
Vertical Collection Mthd:	
Vert Coord Refer System:	

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
17	NNW	0.33	1,765.06	254.04	FED USGS

Organiz Identifier:	USGS-TN	Formation Type:	Fort Pillow Sand of Wilcox Group
Organiz Name:	USGS Tennessee Water Science Center	Aquifer Name:	Mississippi embayment aquifer system
Well Depth:	1391	Aquifer Type:	
Well Depth Unit:	ft	Country Code:	US
Well Hole Depth:	1395	Provider Name:	NWIS
W Hole Depth Unit:	ft	County:	SHELBY
Construction Date:		Latitude:	35.1545341
Source Map Scale:		Longitude:	-90.0289795
Monitoring Loc Name:	SH:O-173		
Monitoring Loc Identifier:	USGS-350916090014401		
Monitoring Loc Type:	Well		
Monitoring Loc Desc:			
HUC Eight Digit Code:	08010100		
Drainage Area:			
Drainage Area Unit:			
Contrib Drainage Area:			
Contrib Drainage Area Unit:			
Horizontal Accuracy:	1		
Horizontal Accuracy Unit:	seconds		
Horizontal Collection Mthd:	Interpolated from MAP.		
Horiz Coord Refer System:	NAD83		
Vertical Measure:	256.00		
Vertical Measure Unit:	feet		
Vertical Accuracy:	5		
Vertical Accuracy Unit:	feet		
Vertical Collection Mthd:	Interpolated from topographic map.		
Vert Coord Refer System:	NGVD29		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
18	NNE	0.34	1,774.36	258.12	FED USGS

Organiz Identifier:	USGS-TN	Formation Type:	Claiborne Group
Organiz Name:	USGS Tennessee Water Science Center	Aquifer Name:	Mississippi embayment aquifer system
Well Depth:	716	Aquifer Type:	Confined single aquifer
Well Depth Unit:	ft	Country Code:	US
Well Hole Depth:		Provider Name:	NWIS
W Hole Depth Unit:		County:	SHELBY
Construction Date:		Latitude:	35.1542563
Source Map Scale:		Longitude:	-90.024535
Monitoring Loc Name:	SH:O-211 DUP		
Monitoring Loc Identifier:	USGS-350915090012800		
Monitoring Loc Type:	Well		
Monitoring Loc Desc:			
HUC Eight Digit Code:	08010210		
Drainage Area:			
Drainage Area Unit:			
Contrib Drainage Area:			
Contrib Drainage Area Unit:			
Horizontal Accuracy:	Unknown		
Horizontal Accuracy Unit:	Unknown		
Horizontal Collection Mthd:	Interpolated from MAP.		
Horiz Coord Refer System:	NAD83		
Vertical Measure:	261.00		
Vertical Measure Unit:	feet		
Vertical Accuracy:	.01		
Vertical Accuracy Unit:	feet		
Vertical Collection Mthd:	Unknown.		
Vert Coord Refer System:	NGVD29		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
18	NNE	0.34	1,774.36	258.12	FED USGS

Organiz Identifier:	USGS-TN	Formation Type:	
Organiz Name:	USGS Tennessee Water Science Center	Aquifer Name:	Mississippi embayment aquifer system
Well Depth:	716	Aquifer Type:	
Well Depth Unit:	ft	Country Code:	US
Well Hole Depth:		Provider Name:	NWIS
W Hole Depth Unit:		County:	SHELBY
Construction Date:		Latitude:	35.1542563
Source Map Scale:		Longitude:	-90.024535
Monitoring Loc Name:	SH:O-211		
Monitoring Loc Identifier:	USGS-350915090012801		
Monitoring Loc Type:	Well		
Monitoring Loc Desc:			
HUC Eight Digit Code:	08010210		

Drainage Area:	
Drainage Area Unit:	
Contrib Drainage Area:	
Contrib Drainage Area Unit:	
Horizontal Accuracy:	1
Horizontal Accuracy Unit:	seconds
Horizontal Collection Mthd:	Interpolated from MAP.
Horiz Coord Refer System:	NAD83
Vertical Measure:	257
Vertical Measure Unit:	feet
Vertical Accuracy:	5
Vertical Accuracy Unit:	feet
Vertical Collection Mthd:	Interpolated from topographic map.
Vert Coord Refer System:	NGVD29

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
18	NNE	0.34	1,774.36	258.12	FED USGS

Organiz Identifier:	USGS-TN	Formation Type:	
Organiz Name:	USGS Tennessee Water Science Center	Aquifer Name:	
Well Depth:		Aquifer Type:	
Well Depth Unit:		Country Code:	US
Well Hole Depth:	829	Provider Name:	NWIS
W Hole Depth Unit:	ft	County:	SHELBY
Construction Date:		Latitude:	35.1542563
Source Map Scale:		Longitude:	-90.024535
Monitoring Loc Name:	SH:O-225		
Monitoring Loc Identifier:	USGS-350915090012804		
Monitoring Loc Type:	Well		
Monitoring Loc Desc:			
HUC Eight Digit Code:	08010210		
Drainage Area:			
Drainage Area Unit:			
Contrib Drainage Area:			
Contrib Drainage Area Unit:			
Horizontal Accuracy:	1		
Horizontal Accuracy Unit:	seconds		
Horizontal Collection Mthd:	Interpolated from MAP.		
Horiz Coord Refer System:	NAD83		
Vertical Measure:	259		
Vertical Measure Unit:	feet		
Vertical Accuracy:	5		
Vertical Accuracy Unit:	feet		

Vertical Collection Mthd:	Interpolated from topographic map.
Vert Coord Refer System:	NGVD29

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
19	NNW	0.34	1,786.04	258.38	FED USGS

Organiz Identifier:	USGS-TN	Formation Type:	Fort Pillow Sand of Wilcox Group
Organiz Name:	USGS Tennessee Water Science Center	Aquifer Name:	Mississippi embayment aquifer system
Well Depth:	1398	Aquifer Type:	
Well Depth Unit:	ft	Country Code:	US
Well Hole Depth:		Provider Name:	NWIS
W Hole Depth Unit:		County:	SHELBY
Construction Date:		Latitude:	35.1545341
Source Map Scale:		Longitude:	-90.0300907
Monitoring Loc Name:	SH:O-174		
Monitoring Loc Identifier:	USGS-350916090014801		
Monitoring Loc Type:	Well		
Monitoring Loc Desc:			
HUC Eight Digit Code:	08010100		
Drainage Area:			
Drainage Area Unit:			
Contrib Drainage Area:			
Contrib Drainage Area Unit:			
Horizontal Accuracy:	Unknown		
Horizontal Accuracy Unit:	Unknown		
Horizontal Collection Mthd:	Interpolated from MAP.		
Horiz Coord Refer System:	NAD83		
Vertical Measure:	251.00		
Vertical Measure Unit:	feet		
Vertical Accuracy:	.01		
Vertical Accuracy Unit:	feet		
Vertical Collection Mthd:	Unknown.		
Vert Coord Refer System:	NGVD29		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
20	NNW	0.34	1,797.97	256.42	FED USGS

Organiz Identifier:	USGS-TN	Formation Type:	Terrace Deposits
Organiz Name:	USGS Tennessee Water Science Center	Aquifer Name:	Other aquifers
Well Depth:	93	Aquifer Type:	
Well Depth Unit:	ft	Country Code:	US
Well Hole Depth:	107	Provider Name:	NWIS
W Hole Depth Unit:	ft	County:	SHELBY

Construction Date:		Latitude:	35.1545341
Source Map Scale:	24000	Longitude:	-90.0303685
Monitoring Loc Name:	SH:O-244		
Monitoring Loc Identifier:	USGS-350916090014901		
Monitoring Loc Type:	Well		
Monitoring Loc Desc:			
HUC Eight Digit Code:	08010100		
Drainage Area:			
Drainage Area Unit:			
Contrib Drainage Area:			
Contrib Drainage Area Unit:			
Horizontal Accuracy:	1		
Horizontal Accuracy Unit:	seconds		
Horizontal Collection Mthd:	Interpolated from MAP.		
Horiz Coord Refer System:	NAD83		
Vertical Measure:	252.0		
Vertical Measure Unit:	feet		
Vertical Accuracy:	5		
Vertical Accuracy Unit:	feet		
Vertical Collection Mthd:	Interpolated from topographic map.		
Vert Coord Refer System:	NGVD29		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
21	NNE	0.34	1,801.31	261.05	FED USGS

Organiz Identifier:	USGS-TN	Formation Type:	Fort Pillow Sand of Wilcox Group
Organiz Name:	USGS Tennessee Water Science Center	Aquifer Name:	Mississippi embayment aquifer system
Well Depth:	1357	Aquifer Type:	
Well Depth Unit:	ft	Country Code:	US
Well Hole Depth:		Provider Name:	NWIS
W Hole Depth Unit:		County:	SHELBY
Construction Date:		Latitude:	35.1545341
Source Map Scale:		Longitude:	-90.0256461
Monitoring Loc Name:	SH:O-185		
Monitoring Loc Identifier:	USGS-350916090013201		
Monitoring Loc Type:	Well		
Monitoring Loc Desc:			
HUC Eight Digit Code:	08010210		
Drainage Area:			
Drainage Area Unit:			
Contrib Drainage Area:			
Contrib Drainage Area Unit:			
Horizontal Accuracy:	Unknown		
Horizontal Accuracy Unit:	Unknown		

Horizontal Collection Mthd:	Interpolated from MAP.
Horiz Coord Refer System:	NAD83
Vertical Measure:	260.00
Vertical Measure Unit:	feet
Vertical Accuracy:	.01
Vertical Accuracy Unit:	feet
Vertical Collection Mthd:	Unknown.
Vert Coord Refer System:	NGVD29

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
23	NNW	0.35	1,832.93	254.15	FED USGS

Organiz Identifier:	USGS-TN	Formation Type:	
Organiz Name:	USGS Tennessee Water Science Center	Aquifer Name:	Mississippi embayment aquifer system
Well Depth:		Aquifer Type:	
Well Depth Unit:		Country Code:	US
Well Hole Depth:		Provider Name:	NWIS
W Hole Depth Unit:		County:	SHELBY
Construction Date:		Latitude:	35.1545341
Source Map Scale:		Longitude:	-90.030924
Monitoring Loc Name:	SH:O-220		
Monitoring Loc Identifier:	USGS-350916090015100		
Monitoring Loc Type:	Well		
Monitoring Loc Desc:			
HUC Eight Digit Code:	08010100		
Drainage Area:			
Drainage Area Unit:			
Contrib Drainage Area:			
Contrib Drainage Area Unit:			
Horizontal Accuracy:	Unknown		
Horizontal Accuracy Unit:	Unknown		
Horizontal Collection Mthd:	Interpolated from MAP.		
Horiz Coord Refer System:	NAD83		
Vertical Measure:			
Vertical Measure Unit:			
Vertical Accuracy:			
Vertical Accuracy Unit:			
Vertical Collection Mthd:			
Vert Coord Refer System:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
23	NNW	0.35	1,832.93	254.15	FED USGS

Organiz Identifier:	USGS-TN	Formation Type:	
Organiz Name:	USGS Tennessee Water Science Center	Aquifer Name:	
Well Depth:		Aquifer Type:	
Well Depth Unit:		Country Code:	US
Well Hole Depth:	854	Provider Name:	NWIS
W Hole Depth Unit:	ft	County:	SHELBY
Construction Date:		Latitude:	35.1545341
Source Map Scale:		Longitude:	-90.030924
Monitoring Loc Name:	SH:O-220 DUP		
Monitoring Loc Identifier:	USGS-350916090015101		
Monitoring Loc Type:	Well		
Monitoring Loc Desc:			
HUC Eight Digit Code:	08010100		
Drainage Area:			
Drainage Area Unit:			
Contrib Drainage Area:			
Contrib Drainage Area Unit:			
Horizontal Accuracy:	1		
Horizontal Accuracy Unit:	seconds		
Horizontal Collection Mthd:	Interpolated from MAP.		
Horiz Coord Refer System:	NAD83		
Vertical Measure:	253		
Vertical Measure Unit:	feet		
Vertical Accuracy:	5		
Vertical Accuracy Unit:	feet		
Vertical Collection Mthd:	Interpolated from topographic map.		
Vert Coord Refer System:	NGVD29		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
24	NNW	0.35	1,857.91	256.14	FED USGS

Organiz Identifier:	USGS-TN	Formation Type:	
Organiz Name:	USGS Tennessee Water Science Center	Aquifer Name:	
Well Depth:		Aquifer Type:	
Well Depth Unit:		Country Code:	US
Well Hole Depth:	555	Provider Name:	NWIS
W Hole Depth Unit:	ft	County:	SHELBY
Construction Date:		Latitude:	35.1548119
Source Map Scale:		Longitude:	-90.028424
Monitoring Loc Name:	SH:O-201		
Monitoring Loc Identifier:	USGS-350917090014201		
Monitoring Loc Type:	Well		
Monitoring Loc Desc:			
HUC Eight Digit Code:	08010100		

Drainage Area:	
Drainage Area Unit:	
Contrib Drainage Area:	
Contrib Drainage Area Unit:	
Horizontal Accuracy:	1
Horizontal Accuracy Unit:	seconds
Horizontal Collection Mthd:	Interpolated from MAP.
Horiz Coord Refer System:	NAD83
Vertical Measure:	255
Vertical Measure Unit:	feet
Vertical Accuracy:	5
Vertical Accuracy Unit:	feet
Vertical Collection Mthd:	Interpolated from topographic map.
Vert Coord Refer System:	NGVD29

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
27	NNE	0.42	2,208.67	250.67	FED USGS

Organiz Identifier:	USGS-TN	Formation Type:	Memphis Sand
Organiz Name:	USGS Tennessee Water Science Center	Aquifer Name:	Mississippi embayment aquifer system
Well Depth:	523	Aquifer Type:	Confined single aquifer
Well Depth Unit:	ft	Country Code:	US
Well Hole Depth:	557	Provider Name:	NWIS
W Hole Depth Unit:	ft	County:	SHELBY
Construction Date:	196707	Latitude:	35.1549424
Source Map Scale:	24000	Longitude:	-90.0226433
Monitoring Loc Name:	Sh:O-231		
Monitoring Loc Identifier:	USGS-350917090012000		
Monitoring Loc Type:	Well		
Monitoring Loc Desc:			
HUC Eight Digit Code:	08010210		
Drainage Area:			
Drainage Area Unit:			
Contrib Drainage Area:			
Contrib Drainage Area Unit:			
Horizontal Accuracy:	.1		
Horizontal Accuracy Unit:	seconds		
Horizontal Collection Mthd:	Differentially corrected Global Positioning System.		
Horiz Coord Refer System:	NAD83		
Vertical Measure:	251		
Vertical Measure Unit:	feet		
Vertical Accuracy:	5		
Vertical Accuracy Unit:	feet		

Vertical Collection Mthd:	Interpolated from topographic map.
Vert Coord Refer System:	NGVD29

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
30	SSW	0.44	2,319.75	255.13	FED USGS

Organiz Identifier:	USGS-TN	Formation Type:	
Organiz Name:	USGS Tennessee Water Science Center	Aquifer Name:	
Well Depth:	397	Aquifer Type:	
Well Depth Unit:	ft	Country Code:	US
Well Hole Depth:	480	Provider Name:	NWIS
W Hole Depth Unit:	ft	County:	SHELBY
Construction Date:		Latitude:	35.1425899
Source Map Scale:		Longitude:	-90.0303685
Monitoring Loc Name:	SH:O-082		
Monitoring Loc Identifier:	USGS-350833090014901		
Monitoring Loc Type:	Well		
Monitoring Loc Desc:			
HUC Eight Digit Code:	08010100		
Drainage Area:			
Drainage Area Unit:			
Contrib Drainage Area:			
Contrib Drainage Area Unit:			
Horizontal Accuracy:	1		
Horizontal Accuracy Unit:	seconds		
Horizontal Collection Mthd:	Interpolated from MAP.		
Horiz Coord Refer System:	NAD83		
Vertical Measure:	288		
Vertical Measure Unit:	feet		
Vertical Accuracy:	5		
Vertical Accuracy Unit:	feet		
Vertical Collection Mthd:	Interpolated from topographic map.		
Vert Coord Refer System:	NGVD29		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
31	NNW	0.45	2,364.56	256.03	FED USGS

Organiz Identifier:	USGS-TN	Formation Type:	Claiborne Group
Organiz Name:	USGS Tennessee Water Science Center	Aquifer Name:	Mississippi embayment aquifer system
Well Depth:	472	Aquifer Type:	Confined single aquifer
Well Depth Unit:	ft	Country Code:	US
Well Hole Depth:	482	Provider Name:	NWIS
W Hole Depth Unit:	ft	County:	SHELBY

Construction Date:		Latitude:	35.155923
Source Map Scale:	24000	Longitude:	-90.0314796
Monitoring Loc Name:	Sh:O-179		
Monitoring Loc Identifier:	USGS-350921090015300		
Monitoring Loc Type:	Well		
Monitoring Loc Desc:			
HUC Eight Digit Code:	08010210		
Drainage Area:			
Drainage Area Unit:			
Contrib Drainage Area:			
Contrib Drainage Area Unit:			
Horizontal Accuracy:	1		
Horizontal Accuracy Unit:	seconds		
Horizontal Collection Mthd:	Interpolated from map		
Horiz Coord Refer System:	NAD83		
Vertical Measure:	256.7		
Vertical Measure Unit:	feet		
Vertical Accuracy:	1		
Vertical Accuracy Unit:	feet		
Vertical Collection Mthd:	Level or other surveying method		
Vert Coord Refer System:	NGVD29		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
31	NNW	0.45	2,364.56	256.03	FED USGS

Organiz Identifier:	USGS-TN	Formation Type:	Fort Pillow Sand of Wilcox Group
Organiz Name:	USGS Tennessee Water Science Center	Aquifer Name:	Mississippi embayment aquifer system
Well Depth:		Aquifer Type:	
Well Depth Unit:		Country Code:	US
Well Hole Depth:		Provider Name:	NWIS
W Hole Depth Unit:		County:	SHELBY
Construction Date:		Latitude:	35.155923
Source Map Scale:		Longitude:	-90.0314796
Monitoring Loc Name:	SH:O-179 Observation		
Monitoring Loc Identifier:	USGS-350921090015301		
Monitoring Loc Type:	Well		
Monitoring Loc Desc:			
HUC Eight Digit Code:	08010100		
Drainage Area:			
Drainage Area Unit:			
Contrib Drainage Area:			
Contrib Drainage Area Unit:			
Horizontal Accuracy:	Unknown		
Horizontal Accuracy Unit:	Unknown		

Horizontal Collection Mthd:	Interpolated from MAP.
Horiz Coord Refer System:	NAD83
Vertical Measure:	
Vertical Measure Unit:	
Vertical Accuracy:	
Vertical Accuracy Unit:	
Vertical Collection Mthd:	
Vert Coord Refer System:	

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
31	NNW	0.45	2,364.56	256.03	FED USGS

Organiz Identifier:	USGS-TN	Formation Type:	
Organiz Name:	USGS Tennessee Water Science Center	Aquifer Name:	
Well Depth:	1349	Aquifer Type:	
Well Depth Unit:	ft	Country Code:	US
Well Hole Depth:	1387	Provider Name:	NWIS
W Hole Depth Unit:	ft	County:	SHELBY
Construction Date:		Latitude:	35.155923
Source Map Scale:		Longitude:	-90.0314796
Monitoring Loc Name:	SH:O-132		
Monitoring Loc Identifier:	USGS-350921090015302		
Monitoring Loc Type:	Well		
Monitoring Loc Desc:			
HUC Eight Digit Code:	08010100		
Drainage Area:			
Drainage Area Unit:			
Contrib Drainage Area:			
Contrib Drainage Area Unit:			
Horizontal Accuracy:	1		
Horizontal Accuracy Unit:	seconds		
Horizontal Collection Mthd:	Interpolated from MAP.		
Horiz Coord Refer System:	NAD83		
Vertical Measure:	256		
Vertical Measure Unit:	feet		
Vertical Accuracy:	5		
Vertical Accuracy Unit:	feet		
Vertical Collection Mthd:	Interpolated from topographic map.		
Vert Coord Refer System:	NGVD29		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
33	NE	0.47	2,456.71	256.02	FED USGS

Organiz Identifier:	USGS-TN	Formation Type:	
Organiz Name:	USGS Tennessee Water Science Center	Aquifer Name:	
Well Depth:	383	Aquifer Type:	
Well Depth Unit:	ft	Country Code:	US
Well Hole Depth:	574	Provider Name:	NWIS
W Hole Depth Unit:	ft	County:	SHELBY
Construction Date:		Latitude:	35.153423
Source Map Scale:		Longitude:	-90.019257
Monitoring Loc Name:	SH:O-143		
Monitoring Loc Identifier:	USGS-350912090010901		
Monitoring Loc Type:	Well		
Monitoring Loc Desc:			
HUC Eight Digit Code:	08010210		
Drainage Area:			
Drainage Area Unit:			
Contrib Drainage Area:			
Contrib Drainage Area Unit:			
Horizontal Accuracy:	1		
Horizontal Accuracy Unit:	seconds		
Horizontal Collection Mthd:	Interpolated from MAP.		
Horiz Coord Refer System:	NAD83		
Vertical Measure:	250		
Vertical Measure Unit:	feet		
Vertical Accuracy:	5		
Vertical Accuracy Unit:	feet		
Vertical Collection Mthd:	Interpolated from topographic map.		
Vert Coord Refer System:	NGVD29		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
34	NNW	0.47	2,484.80	252.25	FED USGS

Organiz Identifier:	USGS-TN	Formation Type:	
Organiz Name:	USGS Tennessee Water Science Center	Aquifer Name:	
Well Depth:		Aquifer Type:	
Well Depth Unit:		Country Code:	US
Well Hole Depth:	510	Provider Name:	NWIS
W Hole Depth Unit:	ft	County:	SHELBY
Construction Date:		Latitude:	35.1562008
Source Map Scale:		Longitude:	-90.0317574
Monitoring Loc Name:	SH:O-204		
Monitoring Loc Identifier:	USGS-350922090015401		
Monitoring Loc Type:	Well		
Monitoring Loc Desc:			
HUC Eight Digit Code:	08010100		

Drainage Area:	
Drainage Area Unit:	
Contrib Drainage Area:	
Contrib Drainage Area Unit:	
Horizontal Accuracy:	Unknown
Horizontal Accuracy Unit:	Unknown
Horizontal Collection Mthd:	Interpolated from MAP.
Horiz Coord Refer System:	NAD83
Vertical Measure:	257
Vertical Measure Unit:	feet
Vertical Accuracy:	1
Vertical Accuracy Unit:	feet
Vertical Collection Mthd:	Unknown.
Vert Coord Refer System:	NGVD29

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
36	S	0.48	2,543.61	252.19	FED USGS

Organiz Identifier:	USGS-TN	Formation Type:	Terrace Deposits
Organiz Name:	USGS Tennessee Water Science Center	Aquifer Name:	Other aquifers
Well Depth:	65	Aquifer Type:	
Well Depth Unit:	ft	Country Code:	US
Well Hole Depth:		Provider Name:	NWIS
W Hole Depth Unit:		County:	SHELBY
Construction Date:		Latitude:	35.1414788
Source Map Scale:		Longitude:	-90.0275907
Monitoring Loc Name:	SH:O-217		
Monitoring Loc Identifier:	USGS-350829090013901		
Monitoring Loc Type:	Well		
Monitoring Loc Desc:			
HUC Eight Digit Code:	08010100		
Drainage Area:			
Drainage Area Unit:			
Contrib Drainage Area:			
Contrib Drainage Area Unit:			
Horizontal Accuracy:	Unknown		
Horizontal Accuracy Unit:	Unknown		
Horizontal Collection Mthd:	Interpolated from MAP.		
Horiz Coord Refer System:	NAD83		
Vertical Measure:			
Vertical Measure Unit:			
Vertical Accuracy:			
Vertical Accuracy Unit:			

Vertical Collection Mthd:
Vert Coord Refer System:

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
38	NE	0.49	2,583.24	255.18	FED USGS

Organiz Identifier:	USGS-TN	Formation Type:	Memphis Sand
Organiz Name:	USGS Tennessee Water Science Center	Aquifer Name:	Mississippi embayment aquifer system
Well Depth:	758.5	Aquifer Type:	Confined single aquifer
Well Depth Unit:	ft	Country Code:	US
Well Hole Depth:	790	Provider Name:	NWIS
W Hole Depth Unit:	ft	County:	SHELBY
Construction Date:	19720316	Latitude:	35.1537007
Source Map Scale:	24000	Longitude:	-90.0189793
Monitoring Loc Name:	Sh:O-207		
Monitoring Loc Identifier:	USGS-350913090100801		
Monitoring Loc Type:	Well		
Monitoring Loc Desc:			
HUC Eight Digit Code:	08010210		
Drainage Area:			
Drainage Area Unit:			
Contrib Drainage Area:			
Contrib Drainage Area Unit:			
Horizontal Accuracy:	1		
Horizontal Accuracy Unit:	seconds		
Horizontal Collection Mthd:	Interpolated from MAP.		
Horiz Coord Refer System:	NAD83		
Vertical Measure:	255		
Vertical Measure Unit:	feet		
Vertical Accuracy:	5		
Vertical Accuracy Unit:	feet		
Vertical Collection Mthd:	Interpolated from topographic map.		
Vert Coord Refer System:	NGVD29		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
40	NE	0.53	2,777.14	250.69	FED USGS

Organiz Identifier:	USGS-TN	Formation Type:	Memphis Sand
Organiz Name:	USGS Tennessee Water Science Center	Aquifer Name:	Mississippi embayment aquifer system
Well Depth:	742	Aquifer Type:	
Well Depth Unit:	ft	Country Code:	US
Well Hole Depth:	760	Provider Name:	NWIS
W Hole Depth Unit:	ft	County:	SHELBY

Construction Date:		Latitude:	35.1539785
Source Map Scale:	24000	Longitude:	-90.0184237
Monitoring Loc Name:	Sh:O-212		
Monitoring Loc Identifier:	USGS-350914090010601		
Monitoring Loc Type:	Well		
Monitoring Loc Desc:			
HUC Eight Digit Code:	08010210		
Drainage Area:			
Drainage Area Unit:			
Contrib Drainage Area:			
Contrib Drainage Area Unit:			
Horizontal Accuracy:	1		
Horizontal Accuracy Unit:	seconds		
Horizontal Collection Mthd:	Interpolated from MAP.		
Horiz Coord Refer System:	NAD83		
Vertical Measure:	251		
Vertical Measure Unit:	feet		
Vertical Accuracy:	5		
Vertical Accuracy Unit:	feet		
Vertical Collection Mthd:	Interpolated from topographic map.		
Vert Coord Refer System:	NGVD29		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
42	ENE	0.54	2,844.91	249.14	FED USGS

Organiz Identifier:	USGS-TN	Formation Type:	Wilcox Group
Organiz Name:	USGS Tennessee Water Science Center	Aquifer Name:	Mississippi embayment aquifer system
Well Depth:	1373	Aquifer Type:	
Well Depth Unit:	ft	Country Code:	US
Well Hole Depth:	1373	Provider Name:	NWIS
W Hole Depth Unit:	ft	County:	SHELBY
Construction Date:		Latitude:	35.1539785
Source Map Scale:		Longitude:	-90.0181459
Monitoring Loc Name:	SH:O-181 DUP		
Monitoring Loc Identifier:	USGS-350914090010503		
Monitoring Loc Type:	Well		
Monitoring Loc Desc:			
HUC Eight Digit Code:	08010210		
Drainage Area:			
Drainage Area Unit:			
Contrib Drainage Area:			
Contrib Drainage Area Unit:			
Horizontal Accuracy:	1		
Horizontal Accuracy Unit:	seconds		

Horizontal Collection Mthd:	Interpolated from MAP.
Horiz Coord Refer System:	NAD83
Vertical Measure:	251
Vertical Measure Unit:	feet
Vertical Accuracy:	5
Vertical Accuracy Unit:	feet
Vertical Collection Mthd:	Interpolated from topographic map.
Vert Coord Refer System:	NGVD29

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
43	ENE	0.54	2,858.21	249.14	FED USGS

Organiz Identifier:	USGS-TN	Formation Type:	Memphis Sand
Organiz Name:	USGS Tennessee Water Science Center	Aquifer Name:	Mississippi embayment aquifer system
Well Depth:	517	Aquifer Type:	
Well Depth Unit:	ft	Country Code:	US
Well Hole Depth:	517	Provider Name:	NWIS
W Hole Depth Unit:	ft	County:	SHELBY
Construction Date:	19630429	Latitude:	35.1537007
Source Map Scale:	24000	Longitude:	-90.0178682
Monitoring Loc Name:	Sh:O-238		
Monitoring Loc Identifier:	USGS-350913090010401		
Monitoring Loc Type:	Well		
Monitoring Loc Desc:			
HUC Eight Digit Code:	08010210		
Drainage Area:			
Drainage Area Unit:			
Contrib Drainage Area:			
Contrib Drainage Area Unit:			
Horizontal Accuracy:	1		
Horizontal Accuracy Unit:	seconds		
Horizontal Collection Mthd:	Interpolated from MAP.		
Horiz Coord Refer System:	NAD83		
Vertical Measure:	251		
Vertical Measure Unit:	feet		
Vertical Accuracy:	5		
Vertical Accuracy Unit:	feet		
Vertical Collection Mthd:	Interpolated from topographic map.		
Vert Coord Refer System:	NGVD29		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
44	ENE	0.55	2,928.81	249.98	FED USGS

Organiz Identifier:	USGS-TN	Formation Type:	Terrace Deposits
Organiz Name:	USGS Tennessee Water Science Center	Aquifer Name:	Other aquifers
Well Depth:	120	Aquifer Type:	Unconfined single aquifer
Well Depth Unit:	ft	Country Code:	US
Well Hole Depth:	120.5	Provider Name:	NWIS
W Hole Depth Unit:	ft	County:	SHELBY
Construction Date:	1977	Latitude:	35.1537007
Source Map Scale:	24000	Longitude:	-90.0175904
Monitoring Loc Name:	Sh:O-229		
Monitoring Loc Identifier:	USGS-350913090010302		
Monitoring Loc Type:	Well		
Monitoring Loc Desc:			
HUC Eight Digit Code:	08010210		
Drainage Area:			
Drainage Area Unit:			
Contrib Drainage Area:			
Contrib Drainage Area Unit:			
Horizontal Accuracy:	1		
Horizontal Accuracy Unit:	seconds		
Horizontal Collection Mthd:	Interpolated from MAP.		
Horiz Coord Refer System:	NAD83		
Vertical Measure:	251		
Vertical Measure Unit:	feet		
Vertical Accuracy:	5		
Vertical Accuracy Unit:	feet		
Vertical Collection Mthd:	Interpolated from topographic map.		
Vert Coord Refer System:	NGVD29		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
45	ENE	0.56	2,949.92	248.38	FED USGS

Organiz Identifier:	USGS-TN	Formation Type:	Fort Pillow Sand of Wilcox Group
Organiz Name:	USGS Tennessee Water Science Center	Aquifer Name:	Mississippi embayment aquifer system
Well Depth:	1376.4	Aquifer Type:	Confined single aquifer
Well Depth Unit:	ft	Country Code:	US
Well Hole Depth:	1377	Provider Name:	NWIS
W Hole Depth Unit:	ft	County:	SHELBY
Construction Date:	19410530	Latitude:	35.1534229
Source Map Scale:	24000	Longitude:	-90.0173126
Monitoring Loc Name:	SH:O-181		
Monitoring Loc Identifier:	USGS-350914090010501		
Monitoring Loc Type:	Well		
Monitoring Loc Desc:			
HUC Eight Digit Code:	08010210		

Drainage Area:	
Drainage Area Unit:	
Contrib Drainage Area:	
Contrib Drainage Area Unit:	
Horizontal Accuracy:	1
Horizontal Accuracy Unit:	seconds
Horizontal Collection Mthd:	Interpolated from MAP.
Horiz Coord Refer System:	NAD83
Vertical Measure:	251
Vertical Measure Unit:	feet
Vertical Accuracy:	5
Vertical Accuracy Unit:	feet
Vertical Collection Mthd:	Interpolated from topographic map.
Vert Coord Refer System:	NGVD29

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
46	ENE	0.56	2,982.74	247.41	FED USGS

Organiz Identifier:	USGS-TN	Formation Type:	
Organiz Name:	USGS Tennessee Water Science Center	Aquifer Name:	
Well Depth:	1100	Aquifer Type:	
Well Depth Unit:	ft	Country Code:	US
Well Hole Depth:	1100	Provider Name:	NWIS
W Hole Depth Unit:	ft	County:	SHELBY
Construction Date:	19771020	Latitude:	35.1539785
Source Map Scale:	24000	Longitude:	-90.0175904
Monitoring Loc Name:	Sh:O-228		
Monitoring Loc Identifier:	USGS-350914090010301		
Monitoring Loc Type:	Well: Extensometer well		
Monitoring Loc Desc:			
HUC Eight Digit Code:	08010210		
Drainage Area:			
Drainage Area Unit:			
Contrib Drainage Area:			
Contrib Drainage Area Unit:			
Horizontal Accuracy:	1		
Horizontal Accuracy Unit:	seconds		
Horizontal Collection Mthd:	Interpolated from MAP.		
Horiz Coord Refer System:	NAD83		
Vertical Measure:	253		
Vertical Measure Unit:	feet		
Vertical Accuracy:	1		
Vertical Accuracy Unit:	feet		

Vertical Collection Mthd:	Reported method of determination.
Vert Coord Refer System:	NGVD29

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
47	ENE	0.62	3,290.58	242.50	FED USGS

Organiz Identifier:	USGS-TN	Formation Type:	Memphis Sand
Organiz Name:	USGS Tennessee Water Science Center	Aquifer Name:	Mississippi embayment aquifer system
Well Depth:	772	Aquifer Type:	
Well Depth Unit:	ft	Country Code:	US
Well Hole Depth:		Provider Name:	NWIS
W Hole Depth Unit:		County:	SHELBY
Construction Date:		Latitude:	35.1537007
Source Map Scale:		Longitude:	-90.0162015
Monitoring Loc Name:	SH:O-223		
Monitoring Loc Identifier:	USGS-350913090005801		
Monitoring Loc Type:	Well		
Monitoring Loc Desc:			
HUC Eight Digit Code:	08010210		
Drainage Area:			
Drainage Area Unit:			
Contrib Drainage Area:			
Contrib Drainage Area Unit:			
Horizontal Accuracy:	Unknown		
Horizontal Accuracy Unit:	Unknown		
Horizontal Collection Mthd:	Interpolated from MAP.		
Horiz Coord Refer System:	NAD83		
Vertical Measure:			
Vertical Measure Unit:			
Vertical Accuracy:			
Vertical Accuracy Unit:			
Vertical Collection Mthd:			
Vert Coord Refer System:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
47	ENE	0.62	3,290.58	242.50	FED USGS

Organiz Identifier:	USGS-TN	Formation Type:	
Organiz Name:	USGS Tennessee Water Science Center	Aquifer Name:	
Well Depth:		Aquifer Type:	
Well Depth Unit:		Country Code:	US
Well Hole Depth:	830	Provider Name:	NWIS
W Hole Depth Unit:	ft	County:	SHELBY

Construction Date:		Latitude:	35.1537007
Source Map Scale:		Longitude:	-90.0162015
Monitoring Loc Name:	SH:O-223 DUP		
Monitoring Loc Identifier:	USGS-350913090005802		
Monitoring Loc Type:	Well		
Monitoring Loc Desc:			
HUC Eight Digit Code:	08010210		
Drainage Area:			
Drainage Area Unit:			
Contrib Drainage Area:			
Contrib Drainage Area Unit:			
Horizontal Accuracy:	1		
Horizontal Accuracy Unit:	seconds		
Horizontal Collection Mthd:	Interpolated from MAP.		
Horiz Coord Refer System:	NAD83		
Vertical Measure:	245		
Vertical Measure Unit:	feet		
Vertical Accuracy:	5		
Vertical Accuracy Unit:	feet		
Vertical Collection Mthd:	Interpolated from topographic map.		
Vert Coord Refer System:	NGVD29		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
50	SSW	0.65	3,452.54	250.03	FED USGS

Organiz Identifier:	USGS-TN	Formation Type:	
Organiz Name:	USGS Tennessee Water Science Center	Aquifer Name:	Mississippi embayment aquifer system
Well Depth:		Aquifer Type:	
Well Depth Unit:		Country Code:	US
Well Hole Depth:		Provider Name:	NWIS
W Hole Depth Unit:		County:	SHELBY
Construction Date:		Latitude:	35.1392566
Source Map Scale:		Longitude:	-90.0300908
Monitoring Loc Name:	SH:O-021 DUP		
Monitoring Loc Identifier:	USGS-350821090014800		
Monitoring Loc Type:	Well		
Monitoring Loc Desc:			
HUC Eight Digit Code:	08010100		
Drainage Area:			
Drainage Area Unit:			
Contrib Drainage Area:			
Contrib Drainage Area Unit:			
Horizontal Accuracy:	Unknown		
Horizontal Accuracy Unit:	Unknown		

Horizontal Collection Mthd:	Interpolated from MAP.
Horiz Coord Refer System:	NAD83
Vertical Measure:	
Vertical Measure Unit:	
Vertical Accuracy:	
Vertical Accuracy Unit:	
Vertical Collection Mthd:	
Vert Coord Refer System:	

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
50	SSW	0.65	3,452.54	250.03	FED USGS

Organiz Identifier:	USGS-TN	Formation Type:	Memphis Sand
Organiz Name:	USGS Tennessee Water Science Center	Aquifer Name:	Mississippi embayment aquifer system
Well Depth:	490	Aquifer Type:	
Well Depth Unit:	ft	Country Code:	US
Well Hole Depth:		Provider Name:	NWIS
W Hole Depth Unit:		County:	SHELBY
Construction Date:		Latitude:	35.1392566
Source Map Scale:		Longitude:	-90.0300908
Monitoring Loc Name:	SH:O-021		
Monitoring Loc Identifier:	USGS-350821090014801		
Monitoring Loc Type:	Well		
Monitoring Loc Desc:			
HUC Eight Digit Code:	08010100		
Drainage Area:			
Drainage Area Unit:			
Contrib Drainage Area:			
Contrib Drainage Area Unit:			
Horizontal Accuracy:	Unknown		
Horizontal Accuracy Unit:	Unknown		
Horizontal Collection Mthd:	Interpolated from MAP.		
Horiz Coord Refer System:	NAD83		
Vertical Measure:			
Vertical Measure Unit:			
Vertical Accuracy:			
Vertical Accuracy Unit:			
Vertical Collection Mthd:			
Vert Coord Refer System:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
51	N	0.70	3,672.41	255.00	FED USGS

Wells and Additional Sources Detail Report

Organiz Identifier:	USGS-TN	Formation Type:	Memphis Sand
Organiz Name:	USGS Tennessee Water Science Center	Aquifer Name:	Mississippi embayment aquifer system
Well Depth:		Aquifer Type:	
Well Depth Unit:		Country Code:	US
Well Hole Depth:		Provider Name:	NWIS
W Hole Depth Unit:		County:	SHELBY
Construction Date:		Latitude:	35.1598118
Source Map Scale:		Longitude:	-90.027035
Monitoring Loc Name:	SH:O-182		
Monitoring Loc Identifier:	USGS-350935090013701		
Monitoring Loc Type:	Well		
Monitoring Loc Desc:			
HUC Eight Digit Code:	08010210		
Drainage Area:			
Drainage Area Unit:			
Contrib Drainage Area:			
Contrib Drainage Area Unit:			
Horizontal Accuracy:	1		
Horizontal Accuracy Unit:	seconds		
Horizontal Collection Mthd:	Interpolated from MAP.		
Horiz Coord Refer System:	NAD83		
Vertical Measure:			
Vertical Measure Unit:			
Vertical Accuracy:			
Vertical Accuracy Unit:			
Vertical Collection Mthd:			
Vert Coord Refer System:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
53	N	0.70	3,698.78	254.08	FED USGS

Organiz Identifier:	USGS-TN	Formation Type:	Memphis Sand
Organiz Name:	USGS Tennessee Water Science Center	Aquifer Name:	Mississippi embayment aquifer system
Well Depth:		Aquifer Type:	Confined single aquifer
Well Depth Unit:		Country Code:	US
Well Hole Depth:	1557	Provider Name:	NWIS
W Hole Depth Unit:	ft	County:	SHELBY
Construction Date:		Latitude:	35.1598889
Source Map Scale:	24000	Longitude:	-90.0274167
Monitoring Loc Name:	Sh:O-251		
Monitoring Loc Identifier:	USGS-350936090013901		
Monitoring Loc Type:	Well		
Monitoring Loc Desc:			
HUC Eight Digit Code:	08010210		

Drainage Area:	
Drainage Area Unit:	
Contrib Drainage Area:	
Contrib Drainage Area Unit:	
Horizontal Accuracy:	.5
Horizontal Accuracy Unit:	seconds
Horizontal Collection Mthd:	Mapping grade GPS unit (handheld accuracy range 12 to 40 ft)
Horiz Coord Refer System:	NAD83
Vertical Measure:	251
Vertical Measure Unit:	feet
Vertical Accuracy:	5
Vertical Accuracy Unit:	feet
Vertical Collection Mthd:	Interpolated from topographic map.
Vert Coord Refer System:	NGVD29

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
55	ENE	0.71	3,752.49	241.38	FED USGS

Organiz Identifier:	USGS-TN	Formation Type:	
Organiz Name:	USGS Tennessee Water Science Center	Aquifer Name:	
Well Depth:		Aquifer Type:	
Well Depth Unit:		Country Code:	US
Well Hole Depth:	530	Provider Name:	NWIS
W Hole Depth Unit:	ft	County:	SHELBY
Construction Date:		Latitude:	35.1542562
Source Map Scale:		Longitude:	-90.0148125
Monitoring Loc Name:	SH:O-203		
Monitoring Loc Identifier:	USGS-350915090005302		
Monitoring Loc Type:	Well		
Monitoring Loc Desc:			
HUC Eight Digit Code:	08010210		
Drainage Area:			
Drainage Area Unit:			
Contrib Drainage Area:			
Contrib Drainage Area Unit:			
Horizontal Accuracy:	1		
Horizontal Accuracy Unit:	seconds		
Horizontal Collection Mthd:	Interpolated from MAP.		
Horiz Coord Refer System:	NAD83		
Vertical Measure:	241		
Vertical Measure Unit:	feet		
Vertical Accuracy:	5		
Vertical Accuracy Unit:	feet		

Vertical Collection Mthd:	Interpolated from topographic map.
Vert Coord Refer System:	NGVD29

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
57	ENE	0.72	3,817.03	246.67	FED USGS

Organiz Identifier:	USGS-TN	Formation Type:	
Organiz Name:	USGS Tennessee Water Science Center	Aquifer Name:	
Well Depth:	1330	Aquifer Type:	
Well Depth Unit:	ft	Country Code:	US
Well Hole Depth:	1373	Provider Name:	NWIS
W Hole Depth Unit:	ft	County:	SHELBY
Construction Date:		Latitude:	35.1531451
Source Map Scale:		Longitude:	-90.0139792
Monitoring Loc Name:	SH:O-187		
Monitoring Loc Identifier:	USGS-350911090005001		
Monitoring Loc Type:	Well		
Monitoring Loc Desc:			
HUC Eight Digit Code:	08010210		
Drainage Area:			
Drainage Area Unit:			
Contrib Drainage Area:			
Contrib Drainage Area Unit:			
Horizontal Accuracy:	1		
Horizontal Accuracy Unit:	seconds		
Horizontal Collection Mthd:	Interpolated from MAP.		
Horiz Coord Refer System:	NAD83		
Vertical Measure:	250		
Vertical Measure Unit:	feet		
Vertical Accuracy:	5		
Vertical Accuracy Unit:	feet		
Vertical Collection Mthd:	Interpolated from topographic map.		
Vert Coord Refer System:	NGVD29		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
58	ENE	0.72	3,826.44	242.93	FED USGS

Organiz Identifier:	USGS-TN	Formation Type:	Terrace Deposits
Organiz Name:	USGS Tennessee Water Science Center	Aquifer Name:	Other aquifers
Well Depth:	80	Aquifer Type:	
Well Depth Unit:	ft	Country Code:	US
Well Hole Depth:	82	Provider Name:	NWIS
W Hole Depth Unit:	ft	County:	SHELBY

Construction Date:	19870501	Latitude:	35.1542562
Source Map Scale:	24000	Longitude:	-90.0145347
Monitoring Loc Name:	SH:O-245		
Monitoring Loc Identifier:	USGS-350915090005201		
Monitoring Loc Type:	Well		
Monitoring Loc Desc:			
HUC Eight Digit Code:	08010210		
Drainage Area:			
Drainage Area Unit:			
Contrib Drainage Area:			
Contrib Drainage Area Unit:			
Horizontal Accuracy:	1		
Horizontal Accuracy Unit:	seconds		
Horizontal Collection Mthd:	Interpolated from MAP.		
Horiz Coord Refer System:	NAD83		
Vertical Measure:	242		
Vertical Measure Unit:	feet		
Vertical Accuracy:	5		
Vertical Accuracy Unit:	feet		
Vertical Collection Mthd:	Interpolated from topographic map.		
Vert Coord Refer System:	NGVD29		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
59	SW	0.72	3,826.75	257.75	FED USGS

Organiz Identifier:	USGS-TN	Formation Type:	
Organiz Name:	USGS Tennessee Water Science Center	Aquifer Name:	
Well Depth:	401	Aquifer Type:	
Well Depth Unit:	ft	Country Code:	US
Well Hole Depth:	408	Provider Name:	NWIS
W Hole Depth Unit:	ft	County:	SHELBY
Construction Date:		Latitude:	35.1412011
Source Map Scale:		Longitude:	-90.0373131
Monitoring Loc Name:	SH:O-067		
Monitoring Loc Identifier:	USGS-350829090021401		
Monitoring Loc Type:	Well		
Monitoring Loc Desc:			
HUC Eight Digit Code:	08010100		
Drainage Area:			
Drainage Area Unit:			
Contrib Drainage Area:			
Contrib Drainage Area Unit:			
Horizontal Accuracy:	1		
Horizontal Accuracy Unit:	seconds		

Horizontal Collection Mthd:	Interpolated from MAP.
Horiz Coord Refer System:	NAD83
Vertical Measure:	266
Vertical Measure Unit:	feet
Vertical Accuracy:	5
Vertical Accuracy Unit:	feet
Vertical Collection Mthd:	Interpolated from topographic map.
Vert Coord Refer System:	NGVD29

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
61	ENE	0.75	3,973.33	248.57	FED USGS

Organiz Identifier:	USGS-TN	Formation Type:	Memphis Sand
Organiz Name:	USGS Tennessee Water Science Center	Aquifer Name:	Mississippi embayment aquifer system
Well Depth:	527	Aquifer Type:	
Well Depth Unit:	ft	Country Code:	US
Well Hole Depth:		Provider Name:	NWIS
W Hole Depth Unit:		County:	SHELBY
Construction Date:		Latitude:	35.1531451
Source Map Scale:		Longitude:	-90.0134236
Monitoring Loc Name:	SH:O-151		
Monitoring Loc Identifier:	USGS-350911090004801		
Monitoring Loc Type:	Well		
Monitoring Loc Desc:			
HUC Eight Digit Code:	08010210		
Drainage Area:			
Drainage Area Unit:			
Contrib Drainage Area:			
Contrib Drainage Area Unit:			
Horizontal Accuracy:	Unknown		
Horizontal Accuracy Unit:	Unknown		
Horizontal Collection Mthd:	Interpolated from MAP.		
Horiz Coord Refer System:	NAD83		
Vertical Measure:	249.00		
Vertical Measure Unit:	feet		
Vertical Accuracy:	.01		
Vertical Accuracy Unit:	feet		
Vertical Collection Mthd:	Unknown.		
Vert Coord Refer System:	NGVD29		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
61	ENE	0.75	3,973.33	248.57	FED USGS

Wells and Additional Sources Detail Report

Organiz Identifier:	USGS-TN	Formation Type:	
Organiz Name:	USGS Tennessee Water Science Center	Aquifer Name:	
Well Depth:		Aquifer Type:	
Well Depth Unit:		Country Code:	US
Well Hole Depth:	832	Provider Name:	NWIS
W Hole Depth Unit:	ft	County:	SHELBY
Construction Date:		Latitude:	35.1531451
Source Map Scale:		Longitude:	-90.0134236
Monitoring Loc Name:	SH:O-222		
Monitoring Loc Identifier:	USGS-350911090004803		
Monitoring Loc Type:	Well		
Monitoring Loc Desc:			
HUC Eight Digit Code:	08010210		
Drainage Area:			
Drainage Area Unit:			
Contrib Drainage Area:			
Contrib Drainage Area Unit:			
Horizontal Accuracy:	1		
Horizontal Accuracy Unit:	seconds		
Horizontal Collection Mthd:	Interpolated from MAP.		
Horiz Coord Refer System:	NAD83		
Vertical Measure:	249		
Vertical Measure Unit:	feet		
Vertical Accuracy:	5		
Vertical Accuracy Unit:	feet		
Vertical Collection Mthd:	Interpolated from topographic map.		
Vert Coord Refer System:	NGVD29		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
62	ENE	0.76	4,034.11	245.90	FED USGS

Organiz Identifier:	USGS-TN	Formation Type:	Memphis Sand
Organiz Name:	USGS Tennessee Water Science Center	Aquifer Name:	Mississippi embayment aquifer system
Well Depth:		Aquifer Type:	Confined single aquifer
Well Depth Unit:		Country Code:	US
Well Hole Depth:	1032	Provider Name:	NWIS
W Hole Depth Unit:	ft	County:	SHELBY
Construction Date:	20170925	Latitude:	35.1533056
Source Map Scale:	24000	Longitude:	-90.0132778
Monitoring Loc Name:	Sh:O-258		
Monitoring Loc Identifier:	USGS-350912090004801		
Monitoring Loc Type:	Well		
Monitoring Loc Desc:			
HUC Eight Digit Code:	08010210		

Drainage Area:	
Drainage Area Unit:	
Contrib Drainage Area:	
Contrib Drainage Area Unit:	
Horizontal Accuracy:	.1
Horizontal Accuracy Unit:	seconds
Horizontal Collection Mthd:	Mapping grade GPS unit (handheld accuracy range 12 to 40 ft)
Horiz Coord Refer System:	NAD83
Vertical Measure:	249
Vertical Measure Unit:	feet
Vertical Accuracy:	5
Vertical Accuracy Unit:	feet
Vertical Collection Mthd:	Interpolated from topographic map.
Vert Coord Refer System:	NGVD29

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
64	WNW	0.79	4,145.42	232.99	FED USGS

Organiz Identifier:	USGS-TN	Formation Type:	
Organiz Name:	USGS Tennessee Water Science Center	Aquifer Name:	Mississippi embayment aquifer system
Well Depth:		Aquifer Type:	
Well Depth Unit:		Country Code:	US
Well Hole Depth:		Provider Name:	NWIS
W Hole Depth Unit:		County:	SHELBY
Construction Date:		Latitude:	35.1556453
Source Map Scale:		Longitude:	-90.041202
Monitoring Loc Name:	SH:O- 13		
Monitoring Loc Identifier:	USGS-350920090022800		
Monitoring Loc Type:	Well		
Monitoring Loc Desc:			
HUC Eight Digit Code:	08010100		
Drainage Area:			
Drainage Area Unit:			
Contrib Drainage Area:			
Contrib Drainage Area Unit:			
Horizontal Accuracy:	Unknown		
Horizontal Accuracy Unit:	Unknown		
Horizontal Collection Mthd:	Interpolated from MAP.		
Horiz Coord Refer System:	NAD83		
Vertical Measure:			
Vertical Measure Unit:			
Vertical Accuracy:			
Vertical Accuracy Unit:			

Vertical Collection Mthd:
Vert Coord Refer System:

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
64	WNW	0.79	4,145.42	232.99	FED USGS

Organiz Identifier:	USGS-TN	Formation Type:	Memphis Sand
Organiz Name:	USGS Tennessee Water Science Center	Aquifer Name:	Mississippi embayment aquifer system
Well Depth:	396	Aquifer Type:	
Well Depth Unit:	ft	Country Code:	US
Well Hole Depth:		Provider Name:	NWIS
W Hole Depth Unit:		County:	SHELBY
Construction Date:		Latitude:	35.1556453
Source Map Scale:		Longitude:	-90.041202
Monitoring Loc Name:	SH:O-013		
Monitoring Loc Identifier:	USGS-350920090022801		
Monitoring Loc Type:	Well		
Monitoring Loc Desc:			
HUC Eight Digit Code:	08010100		
Drainage Area:			
Drainage Area Unit:			
Contrib Drainage Area:			
Contrib Drainage Area Unit:			
Horizontal Accuracy:	Unknown		
Horizontal Accuracy Unit:	Unknown		
Horizontal Collection Mthd:	Interpolated from MAP.		
Horiz Coord Refer System:	NAD83		
Vertical Measure:			
Vertical Measure Unit:			
Vertical Accuracy:			
Vertical Accuracy Unit:			
Vertical Collection Mthd:			
Vert Coord Refer System:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
65	NE	0.80	4,199.72	234.40	FED USGS

Organiz Identifier:	USGS-TN	Formation Type:	
Organiz Name:	USGS Tennessee Water Science Center	Aquifer Name:	
Well Depth:	108	Aquifer Type:	
Well Depth Unit:	ft	Country Code:	US
Well Hole Depth:	108	Provider Name:	NWIS
W Hole Depth Unit:	ft	County:	SHELBY

Construction Date:		Latitude:	35.1584228
Source Map Scale:		Longitude:	-90.0170348
Monitoring Loc Name:	SH:O-119		
Monitoring Loc Identifier:	USGS-350930090010101		
Monitoring Loc Type:	Well		
Monitoring Loc Desc:			
HUC Eight Digit Code:	08010210		
Drainage Area:			
Drainage Area Unit:			
Contrib Drainage Area:			
Contrib Drainage Area Unit:			
Horizontal Accuracy:	1		
Horizontal Accuracy Unit:	seconds		
Horizontal Collection Mthd:	Interpolated from MAP.		
Horiz Coord Refer System:	NAD83		
Vertical Measure:	255		
Vertical Measure Unit:	feet		
Vertical Accuracy:	5		
Vertical Accuracy Unit:	feet		
Vertical Collection Mthd:	Interpolated from topographic map.		
Vert Coord Refer System:	NGVD29		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
68	ENE	0.81	4,258.02	249.48	FED USGS

Organiz Identifier:	USGS-TN	Formation Type:	
Organiz Name:	USGS Tennessee Water Science Center	Aquifer Name:	
Well Depth:		Aquifer Type:	
Well Depth Unit:		Country Code:	US
Well Hole Depth:	800	Provider Name:	NWIS
W Hole Depth Unit:	ft	County:	SHELBY
Construction Date:		Latitude:	35.1528674
Source Map Scale:		Longitude:	-90.0123125
Monitoring Loc Name:	SH:O-216		
Monitoring Loc Identifier:	USGS-350910090004401		
Monitoring Loc Type:	Well		
Monitoring Loc Desc:			
HUC Eight Digit Code:	08010210		
Drainage Area:			
Drainage Area Unit:			
Contrib Drainage Area:			
Contrib Drainage Area Unit:			
Horizontal Accuracy:	1		
Horizontal Accuracy Unit:	seconds		

Horizontal Collection Mthd:	Interpolated from MAP.
Horiz Coord Refer System:	NAD83
Vertical Measure:	250
Vertical Measure Unit:	feet
Vertical Accuracy:	5
Vertical Accuracy Unit:	feet
Vertical Collection Mthd:	Interpolated from topographic map.
Vert Coord Refer System:	NGVD29

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
71	N	0.83	4,387.84	248.95	FED USGS

Organiz Identifier:	USGS-TN	Formation Type:	Memphis Sand
Organiz Name:	USGS Tennessee Water Science Center	Aquifer Name:	Mississippi embayment aquifer system
Well Depth:	638	Aquifer Type:	
Well Depth Unit:	ft	Country Code:	US
Well Hole Depth:		Provider Name:	NWIS
W Hole Depth Unit:		County:	SHELBY
Construction Date:		Latitude:	35.1617562
Source Map Scale:		Longitude:	-90.0287017

Monitoring Loc Name:	SH:O-190
Monitoring Loc Identifier:	USGS-350942090014301
Monitoring Loc Type:	Well
Monitoring Loc Desc:	
HUC Eight Digit Code:	08010210
Drainage Area:	
Drainage Area Unit:	
Contrib Drainage Area:	
Contrib Drainage Area Unit:	
Horizontal Accuracy:	Unknown
Horizontal Accuracy Unit:	Unknown
Horizontal Collection Mthd:	Interpolated from MAP.
Horiz Coord Refer System:	NAD83
Vertical Measure:	250.00
Vertical Measure Unit:	feet
Vertical Accuracy:	.01
Vertical Accuracy Unit:	feet
Vertical Collection Mthd:	Unknown.
Vert Coord Refer System:	NGVD29

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
72	ENE	0.85	4,477.63	228.99	FED USGS

Organiz Identifier:	USGS-TN	Formation Type:	
Organiz Name:	USGS Tennessee Water Science Center	Aquifer Name:	Mississippi embayment aquifer system
Well Depth:		Aquifer Type:	
Well Depth Unit:		Country Code:	US
Well Hole Depth:		Provider Name:	NWIS
W Hole Depth Unit:		County:	SHELBY
Construction Date:		Latitude:	35.1534229
Source Map Scale:		Longitude:	-90.0117569
Monitoring Loc Name:	SH:O-153		
Monitoring Loc Identifier:	USGS-350912090004200		
Monitoring Loc Type:	Well		
Monitoring Loc Desc:			
HUC Eight Digit Code:	08010210		
Drainage Area:			
Drainage Area Unit:			
Contrib Drainage Area:			
Contrib Drainage Area Unit:			
Horizontal Accuracy:	Unknown		
Horizontal Accuracy Unit:	Unknown		
Horizontal Collection Mthd:	Interpolated from MAP.		
Horiz Coord Refer System:	NAD83		
Vertical Measure:			
Vertical Measure Unit:			
Vertical Accuracy:			
Vertical Accuracy Unit:			
Vertical Collection Mthd:			
Vert Coord Refer System:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
72	ENE	0.85	4,477.63	228.99	FED USGS

Organiz Identifier:	USGS-TN	Formation Type:	Memphis Sand
Organiz Name:	USGS Tennessee Water Science Center	Aquifer Name:	Mississippi embayment aquifer system
Well Depth:	522	Aquifer Type:	
Well Depth Unit:	ft	Country Code:	US
Well Hole Depth:	573	Provider Name:	NWIS
W Hole Depth Unit:	ft	County:	SHELBY
Construction Date:		Latitude:	35.1534229
Source Map Scale:		Longitude:	-90.0117569
Monitoring Loc Name:	SH:O-153 DUP		
Monitoring Loc Identifier:	USGS-350912090004201		
Monitoring Loc Type:	Well		
Monitoring Loc Desc:			
HUC Eight Digit Code:	08010210		

Drainage Area:	
Drainage Area Unit:	
Contrib Drainage Area:	
Contrib Drainage Area Unit:	
Horizontal Accuracy:	1
Horizontal Accuracy Unit:	seconds
Horizontal Collection Mthd:	Interpolated from MAP.
Horiz Coord Refer System:	NAD83
Vertical Measure:	250.00
Vertical Measure Unit:	feet
Vertical Accuracy:	5
Vertical Accuracy Unit:	feet
Vertical Collection Mthd:	Interpolated from topographic map.
Vert Coord Refer System:	NGVD29

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
77	SSW	0.89	4,674.16	276.89	FED USGS

Organiz Identifier:	USGS-TN	Formation Type:	
Organiz Name:	USGS Tennessee Water Science Center	Aquifer Name:	Mississippi embayment aquifer system
Well Depth:		Aquifer Type:	
Well Depth Unit:		Country Code:	US
Well Hole Depth:		Provider Name:	NWIS
W Hole Depth Unit:		County:	SHELBY
Construction Date:		Latitude:	35.1378678
Source Map Scale:		Longitude:	-90.036202
Monitoring Loc Name:	SH:O-030 DUP		
Monitoring Loc Identifier:	USGS-350816090021000		
Monitoring Loc Type:	Well		
Monitoring Loc Desc:			
HUC Eight Digit Code:	08010100		
Drainage Area:			
Drainage Area Unit:			
Contrib Drainage Area:			
Contrib Drainage Area Unit:			
Horizontal Accuracy:	Unknown		
Horizontal Accuracy Unit:	Unknown		
Horizontal Collection Mthd:	Interpolated from MAP.		
Horiz Coord Refer System:	NAD83		
Vertical Measure:			
Vertical Measure Unit:			
Vertical Accuracy:			
Vertical Accuracy Unit:			

Vertical Collection Mthd:
Vert Coord Refer System:

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
77	SSW	0.89	4,674.16	276.89	FED USGS

Organiz Identifier:	USGS-TN	Formation Type:	Memphis Sand
Organiz Name:	USGS Tennessee Water Science Center	Aquifer Name:	Mississippi embayment aquifer system
Well Depth:	524	Aquifer Type:	
Well Depth Unit:	ft	Country Code:	US
Well Hole Depth:		Provider Name:	NWIS
W Hole Depth Unit:		County:	SHELBY
Construction Date:		Latitude:	35.1378678
Source Map Scale:		Longitude:	-90.036202
Monitoring Loc Name:	SH:O-030		
Monitoring Loc Identifier:	USGS-350816090021001		
Monitoring Loc Type:	Well		
Monitoring Loc Desc:			
HUC Eight Digit Code:	08010100		
Drainage Area:			
Drainage Area Unit:			
Contrib Drainage Area:			
Contrib Drainage Area Unit:			
Horizontal Accuracy:	Unknown		
Horizontal Accuracy Unit:	Unknown		
Horizontal Collection Mthd:	Interpolated from MAP.		
Horiz Coord Refer System:	NAD83		
Vertical Measure:			
Vertical Measure Unit:			
Vertical Accuracy:			
Vertical Accuracy Unit:			
Vertical Collection Mthd:			
Vert Coord Refer System:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
79	WNW	0.91	4,799.73	227.06	FED USGS

Organiz Identifier:	USGS-TN	Formation Type:	Claiborne Group
Organiz Name:	USGS Tennessee Water Science Center	Aquifer Name:	Mississippi embayment aquifer system
Well Depth:		Aquifer Type:	Confined single aquifer
Well Depth Unit:		Country Code:	US
Well Hole Depth:		Provider Name:	NWIS
W Hole Depth Unit:		County:	SHELBY

Construction Date:	19270501	Latitude:	35.1564786
Source Map Scale:		Longitude:	-90.0431465
Monitoring Loc Name:	SH:O-124		
Monitoring Loc Identifier:	USGS-350923090023500		
Monitoring Loc Type:	Well		
Monitoring Loc Desc:			
HUC Eight Digit Code:	08010100		
Drainage Area:			
Drainage Area Unit:			
Contrib Drainage Area:			
Contrib Drainage Area Unit:			
Horizontal Accuracy:	1		
Horizontal Accuracy Unit:	seconds		
Horizontal Collection Mthd:	Interpolated from MAP.		
Horiz Coord Refer System:	NAD83		
Vertical Measure:			
Vertical Measure Unit:			
Vertical Accuracy:			
Vertical Accuracy Unit:			
Vertical Collection Mthd:			
Vert Coord Refer System:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
79	WNW	0.91	4,799.73	227.06	FED USGS

Organiz Identifier:	USGS-TN	Formation Type:	
Organiz Name:	USGS Tennessee Water Science Center	Aquifer Name:	Mississippi embayment aquifer system
Well Depth:		Aquifer Type:	
Well Depth Unit:		Country Code:	US
Well Hole Depth:		Provider Name:	NWIS
W Hole Depth Unit:		County:	SHELBY
Construction Date:		Latitude:	35.1564786
Source Map Scale:		Longitude:	-90.0431465
Monitoring Loc Name:	SH:0-124 DUP		
Monitoring Loc Identifier:	USGS-350923090023501		
Monitoring Loc Type:	Well		
Monitoring Loc Desc:			
HUC Eight Digit Code:	08010100		
Drainage Area:			
Drainage Area Unit:			
Contrib Drainage Area:			
Contrib Drainage Area Unit:			
Horizontal Accuracy:	Unknown		
Horizontal Accuracy Unit:	Unknown		

Horizontal Collection Mthd:	Interpolated from MAP.
Horiz Coord Refer System:	NAD83
Vertical Measure:	
Vertical Measure Unit:	
Vertical Accuracy:	
Vertical Accuracy Unit:	
Vertical Collection Mthd:	
Vert Coord Refer System:	

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
87	SW	0.99	5,240.00	257.05	FED USGS

Organiz Identifier:	USGS-TN	Formation Type:	
Organiz Name:	USGS Tennessee Water Science Center	Aquifer Name:	Mississippi embayment aquifer system
Well Depth:		Aquifer Type:	
Well Depth Unit:		Country Code:	US
Well Hole Depth:		Provider Name:	NWIS
W Hole Depth Unit:		County:	SHELBY
Construction Date:		Latitude:	35.1384234
Source Map Scale:		Longitude:	-90.0406466
Monitoring Loc Name:	SH:O- 12		
Monitoring Loc Identifier:	USGS-350818090022600		
Monitoring Loc Type:	Well		
Monitoring Loc Desc:			
HUC Eight Digit Code:	08010100		
Drainage Area:			
Drainage Area Unit:			
Contrib Drainage Area:			
Contrib Drainage Area Unit:			
Horizontal Accuracy:	Unknown		
Horizontal Accuracy Unit:	Unknown		
Horizontal Collection Mthd:	Interpolated from MAP.		
Horiz Coord Refer System:	NAD83		
Vertical Measure:			
Vertical Measure Unit:			
Vertical Accuracy:			
Vertical Accuracy Unit:			
Vertical Collection Mthd:			
Vert Coord Refer System:			

County Water Wells

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
6	NNW	0.23	1,239.18	255.25	WATER WELLS

Well No:	15709711	Latitude:	350911
License Code:	29	Longitude:	900147
Well Use:	Test	Accuracy:	S
Driller Report ID:		Accuracy Desc:	Nearest second
Driller Tag No:		County Name:	SHELBY
Well No R4:	9711	Location:	
Quad No:	0404NE	Description:	
Quad Name:	NORTHWEST-MEMPHIS	Finish Type:	
Quad Nth:	9	Finish from Ft:	
Cmpltn Date:		Finish to Ft:	
Cmpltn Static Level:		Quality:	
Cmpltn Tot Depth:	855	Casing Type:	
Cmpltn Est Yield:		Latitude DD:	35.153056
Inspection Tag No:		Longitude DD:	-90.029722
Inspection Date:		Lat DD:	35
Casing Ft Bel Grnd:		Lat MM:	9
WBZ:		Lat SS:	11
Q9th Orphan:		Lon DD:	90
Form Log:	No	Lon MM:	1
Owner Name:	MEMPHIS LG & W SH:O-219	Lon SS:	47
Link ID:	15709711||||855||||||||NORTHWEST-MEMPHIS|0404NE|9|SHELBY|MEMPHIS LG & W SH:O-219|||29||S|Test|350911|900147		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
8	ENE	0.25	1,307.78	241.40	WATER WELLS

Well No:	15709519	Latitude:	350905
License Code:	29	Longitude:	900120
Well Use:	Industrial	Accuracy:	S
Driller Report ID:		Accuracy Desc:	Nearest second
Driller Tag No:		County Name:	SHELBY
Well No R4:	9519	Location:	
Quad No:	0404NE	Description:	
Quad Name:	NORTHWEST-MEMPHIS	Finish Type:	
Quad Nth:	9	Finish from Ft:	
Cmpltn Date:		Finish to Ft:	
Cmpltn Static Level:	70	Quality:	Good
Cmpltn Tot Depth:	475	Casing Type:	
Cmpltn Est Yield:		Latitude DD:	35.151389
Inspection Tag No:		Longitude DD:	-90.022222
Inspection Date:		Lat DD:	35
Casing Ft Bel Grnd:		Lat MM:	9
WBZ:		Lat SS:	5
Q9th Orphan:		Lon DD:	90
Form Log:	No	Lon MM:	1
Owner Name:	CONSUMER ICE SH:0-37	Lon SS:	20

Link ID: 15709519||||475|||||70|Good|||NORTHWEST-MEMPHIS|0404NE|9|SHELBY|CONSUMER ICE SH:0-37|||29||S|Industrial|350905|900120

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
9	ENE	0.26	1,363.41	248.60	WATER WELLS

Well No:	15709518	Latitude:	350906
License Code:	740	Longitude:	900120
Well Use:	Industrial	Accuracy:	S
Driller Report ID:		Accuracy Desc:	Nearest second
Driller Tag No:		County Name:	SHELBY
Well No R4:	9518	Location:	
Quad No:	0404NE	Description:	
Quad Name:	NORTHWEST-MEMPHIS	Finish Type:	
Quad Nth:	9	Finish from Ft:	
Cmpltn Date:		Finish to Ft:	
Cmpltn Static Level:	90	Quality:	Good
Cmpltn Tot Depth:	492	Casing Type:	
Cmpltn Est Yield:		Latitude DD:	35.151667
Inspection Tag No:		Longitude DD:	-90.022222
Inspection Date:		Lat DD:	35
Casing Ft Bel Grnd:		Lat MM:	9
WBZ:		Lat SS:	6
Q9th Orphan:		Lon DD:	90
Form Log:	No	Lon MM:	1
Owner Name:	CONSUMER ICE SH:0-36	Lon SS:	20

Link ID: 15709518||||492|||||90|Good|||NORTHWEST-MEMPHIS|0404NE|9|SHELBY|CONSUMER ICE SH:0-36|||740||S|Industrial|350906|900120

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
12	NNW	0.29	1,533.18	257.63	WATER WELLS

Well No:	15709671	Latitude:	350914
License Code:	740	Longitude:	900145
Well Use:	Test	Accuracy:	S
Driller Report ID:		Accuracy Desc:	Nearest second
Driller Tag No:		County Name:	SHELBY
Well No R4:	9671	Location:	
Quad No:	0404NE	Description:	
Quad Name:	NORTHWEST-MEMPHIS	Finish Type:	
Quad Nth:	9	Finish from Ft:	
Cmpltn Date:	9/12/1962 8:00 PM	Finish to Ft:	
Cmpltn Static Level:		Quality:	Good
Cmpltn Tot Depth:	536	Casing Type:	
Cmpltn Est Yield:		Latitude DD:	35.153889
Inspection Tag No:		Longitude DD:	-90.029167
Inspection Date:		Lat DD:	35

Casing Ft Bel Grnd:		Lat MM:	9
WBZ:		Lat SS:	14
Q9th Orphan:		Lon DD:	90
Form Log:	No	Lon MM:	1
Owner Name:	MEMPHIS LG & W SH:O-193	Lon SS:	45
Link ID:	15709671|||13-SEP-62|536|||||Good|||NORTHWEST-MEMPHIS|0404NE|9|SHELBY|MEMPHIS LG & W SH:O-193| ||740||S|Test|350914|900145		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
13	NNW	0.30	1,578.46	252.31	WATER WELLS

Well No:	15709675	Latitude:	350914
License Code:	740	Longitude:	900150
Well Use:	Test	Accuracy:	S
Driller Report ID:		Accuracy Desc:	Nearest second
Driller Tag No:		County Name:	SHELBY
Well No R4:	9675	Location:	
Quad No:	0404NE	Description:	
Quad Name:	NORTHWEST-MEMPHIS	Finish Type:	
Quad Nth:	9	Finish from Ft:	
Cmpltn Date:	4/7/1963 7:00 PM	Finish to Ft:	
Cmpltn Static Level:		Quality:	Good
Cmpltn Tot Depth:	576	Casing Type:	
Cmpltn Est Yield:		Latitude DD:	35.153889
Inspection Tag No:		Longitude DD:	-90.030556
Inspection Date:		Lat DD:	35
Casing Ft Bel Grnd:		Lat MM:	9
WBZ:		Lat SS:	14
Q9th Orphan:		Lon DD:	90
Form Log:	No	Lon MM:	1
Owner Name:	MEMPHIS LG & W SH:O-197	Lon SS:	50
Link ID:	15709675|||08-APR-63|576|||||Good|||NORTHWEST-MEMPHIS|0404NE|9|SHELBY|MEMPHIS LG & W SH:O-197| ||740||S|Test|350914|900150		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
15	NNE	0.33	1,749.75	256.99	WATER WELLS

Well No:	15709726	Latitude:	350915
License Code:	740	Longitude:	900128
Well Use:	Other	Accuracy:	S
Driller Report ID:		Accuracy Desc:	Nearest second
Driller Tag No:		County Name:	SHELBY
Well No R4:	9726	Location:	
Quad No:	0404NE	Description:	
Quad Name:	NORTHWEST-MEMPHIS	Finish Type:	
Quad Nth:	9	Finish from Ft:	
Cmpltn Date:		Finish to Ft:	

Cmpltn Static Level:		Quality:	
Cmpltn Tot Depth:	716	Casing Type:	
Cmpltn Est Yield:		Latitude DD:	35.154167
Inspection Tag No:		Longitude DD:	-90.024444
Inspection Date:		Lat DD:	35
Casing Ft Bel Grnd:		Lat MM:	9
WBZ:		Lat SS:	15
Q9th Orphan:		Lon DD:	90
Form Log:	No	Lon MM:	1
Owner Name:	MEMPHIS LG & W SH:O-211	Lon SS:	28
Link ID:	15709726||||716||||||||NORTHWEST-MEMPHIS|0404NE|9|SHELBY|MEMPHIS LG & W SH:O-211| ||740||S|Other|350915|900128		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
22	NNW	0.34	1,816.45	249.87	WATER WELLS

Well No:	15709712	Latitude:	350916
License Code:	29	Longitude:	900152
Well Use:	Test	Accuracy:	S
Driller Report ID:		Accuracy Desc:	Nearest second
Driller Tag No:		County Name:	SHELBY
Well No R4:	9712	Location:	
Quad No:	0404NE	Description:	
Quad Name:	NORTHWEST-MEMPHIS	Finish Type:	
Quad Nth:	9	Finish from Ft:	
Cmpltn Date:	6/11/1973 8:00 PM	Finish to Ft:	
Cmpltn Static Level:		Quality:	
Cmpltn Tot Depth:	820	Casing Type:	
Cmpltn Est Yield:		Latitude DD:	35.154444
Inspection Tag No:		Longitude DD:	-90.031111
Inspection Date:		Lat DD:	35
Casing Ft Bel Grnd:		Lat MM:	9
WBZ:		Lat SS:	16
Q9th Orphan:		Lon DD:	90
Form Log:	No	Lon MM:	1
Owner Name:	MEMPHIS LG & W SH:O-220	Lon SS:	52
Link ID:	15709712|||12-JUN-73|820||||||||NORTHWEST-MEMPHIS|0404NE|9|SHELBY|MEMPHIS LG & W SH:O-220| ||29||S|Test|350916|900152		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
25	S	0.37	1,967.19	245.87	WATER WELLS

Well No:	15709576	Latitude:	350835
License Code:	30	Longitude:	900138
Well Use:	Industrial	Accuracy:	S
Driller Report ID:		Accuracy Desc:	Nearest second
Driller Tag No:		County Name:	SHELBY

Wells and Additional Sources Detail Report

Well No R4:	9576	Location:	
Quad No:	0404NE	Description:	
Quad Name:	NORTHWEST-MEMPHIS	Finish Type:	
Quad Nth:	9	Finish from Ft:	
Cmpltn Date:		Finish to Ft:	
Cmpltn Static Level:	20	Quality:	
Cmpltn Tot Depth:	460	Casing Type:	
Cmpltn Est Yield:		Latitude DD:	35.143056
Inspection Tag No:		Longitude DD:	-90.027222
Inspection Date:		Lat DD:	35
Casing Ft Bel Grnd:		Lat MM:	8
WBZ:		Lat SS:	35
Q9th Orphan:		Lon DD:	90
Form Log:	No	Lon MM:	1
Owner Name:	SUCCESS CLNR SH:0-94	Lon SS:	38
Link ID:	15709576|||460||||20|||NORTHWEST-MEMPHIS|0404NE|9|SHELBY|SUCCESS CLNR SH:0-94| ||30||S|Industrial|350835|900138		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
26	NNW	0.38	2,011.26	251.41	WATER WELLS

Well No:	20171720	Latitude:	350918
License Code:	1024	Longitude:	900152
Well Use:		Accuracy:	
Driller Report ID:		Accuracy Desc:	
Driller Tag No:	BA003719	County Name:	SHELBY
Well No R4:	1720	Location:	514 N DUNLAP
Quad No:	0404NE	Description:	
Quad Name:	NORTHWEST-MEMPHIS	Finish Type:	
Quad Nth:	9	Finish from Ft:	
Cmpltn Date:	8/9/2017 8:00 PM	Finish to Ft:	
Cmpltn Static Level:	112	Quality:	
Cmpltn Tot Depth:	759	Casing Type:	
Cmpltn Est Yield:		Latitude DD:	35.155
Inspection Tag No:		Longitude DD:	-90.031111
Inspection Date:		Lat DD:	35
Casing Ft Bel Grnd:		Lat MM:	9
WBZ:		Lat SS:	18
Q9th Orphan:		Lon DD:	90
Form Log:	No	Lon MM:	1
Owner Name:	MLGW	Lon SS:	52
Link ID:	20171720|BA003719||10-AUG-17|759||||112||||NORTHWEST-MEMPHIS|0404NE|9|SHELBY|MLGW|514 N DUNLAP ||1024||||350918|900152		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
28	SSW	0.43	2,246.11	253.40	WATER WELLS

Wells and Additional Sources Detail Report

Well No:	15709563	Latitude:	350834
License Code:	740	Longitude:	900149
Well Use:	Commercial	Accuracy:	S
Driller Report ID:		Accuracy Desc:	Nearest second
Driller Tag No:		County Name:	SHELBY
Well No R4:	9563	Location:	
Quad No:	0404NE	Description:	
Quad Name:	NORTHWEST-MEMPHIS	Finish Type:	
Quad Nth:	9	Finish from Ft:	
Cmpltn Date:		Finish to Ft:	
Cmpltn Static Level:	60	Quality:	Good
Cmpltn Tot Depth:	463	Casing Type:	
Cmpltn Est Yield:		Latitude DD:	35.142778
Inspection Tag No:		Longitude DD:	-90.030278
Inspection Date:		Lat DD:	35
Casing Ft Bel Grnd:		Lat MM:	8
WBZ:		Lat SS:	34
Q9th Orphan:		Lon DD:	90
Form Log:	No	Lon MM:	1
Owner Name:	MPS STM LAUN SH:0-81	Lon SS:	49
Link ID:	15709563||||463||||60|Good|||NORTHWEST-MEMPHIS|0404NE|9|SHELBY|MPS STM LAUN SH:0-81|||740||S|Commercial|350834|900149		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
29	SSW	0.43	2,279.18	256.95	WATER WELLS

Well No:	15709564	Latitude:	350834
License Code:	740	Longitude:	900150
Well Use:	Industrial	Accuracy:	S
Driller Report ID:		Accuracy Desc:	Nearest second
Driller Tag No:		County Name:	SHELBY
Well No R4:	9564	Location:	
Quad No:	0404NE	Description:	
Quad Name:	NORTHWEST-MEMPHIS	Finish Type:	
Quad Nth:	9	Finish from Ft:	
Cmpltn Date:		Finish to Ft:	
Cmpltn Static Level:	122	Quality:	Good
Cmpltn Tot Depth:	480	Casing Type:	
Cmpltn Est Yield:		Latitude DD:	35.142778
Inspection Tag No:		Longitude DD:	-90.030556
Inspection Date:		Lat DD:	35
Casing Ft Bel Grnd:		Lat MM:	8
WBZ:		Lat SS:	34
Q9th Orphan:		Lon DD:	90
Form Log:	No	Lon MM:	1
Owner Name:	MPS STM LAUN SH:0-82	Lon SS:	50
Link ID:	15709564||||480||||122|Good|||NORTHWEST-MEMPHIS|0404NE|9|SHELBY|MPS STM LAUN SH:0-82|||740||S|Industrial|350834|900150		

Wells and Additional Sources Detail Report

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
32	NNW	0.46	2,445.76	254.04	WATER WELLS

Well No:	15709720	Latitude:	350922
License Code:	740	Longitude:	900154
Well Use:	Test	Accuracy:	S
Driller Report ID:		Accuracy Desc:	Nearest second
Driller Tag No:		County Name:	SHELBY
Well No R4:	9720	Location:	
Quad No:	0404NE	Description:	
Quad Name:	NORTHWEST-MEMPHIS	Finish Type:	
Quad Nth:	9	Finish from Ft:	
Cmpltn Date:	6/18/1969 8:00 PM	Finish to Ft:	
Cmpltn Static Level:		Quality:	
Cmpltn Tot Depth:	510	Casing Type:	
Cmpltn Est Yield:		Latitude DD:	35.156111
Inspection Tag No:		Longitude DD:	-90.031667
Inspection Date:		Lat DD:	35
Casing Ft Bel Grnd:		Lat MM:	9
WBZ:		Lat SS:	22
Q9th Orphan:		Lon DD:	90
Form Log:	No	Lon MM:	1
Owner Name:	MEMPHIS LG & W SH:O-204	Lon SS:	54
Link ID:	15709720|||19-JUN-69|510||||||||NORTHWEST-MEMPHIS|0404NE|9|SHELBY|MEMPHIS LG & W SH: O-204| ||740||S|Test|350922|900154		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
35	NE	0.48	2,518.65	256.21	WATER WELLS

Well No:	20161087	Latitude:	350913
License Code:	1024	Longitude:	900109
Well Use:	Commercial	Accuracy:	
Driller Report ID:		Accuracy Desc:	
Driller Tag No:	BA3467	County Name:	SHELBY
Well No R4:	1087	Location:	1195 N PARKWAY AVE
Quad No:	0404NE	Description:	
Quad Name:	NORTHWEST-MEMPHIS	Finish Type:	
Quad Nth:	9	Finish from Ft:	695
Cmpltn Date:	5/18/2016 8:00 PM	Finish to Ft:	795
Cmpltn Static Level:	19	Quality:	
Cmpltn Tot Depth:	145	Casing Type:	
Cmpltn Est Yield:		Latitude DD:	35.153611
Inspection Tag No:		Longitude DD:	-90.019167
Inspection Date:		Lat DD:	35
Casing Ft Bel Grnd:	644	Lat MM:	9

WBZ:		Lat SS:	13
Q9th Orphan:		Lon DD:	90
Form Log:	No	Lon MM:	1
Owner Name:	MLGW	Lon SS:	9
Link ID:	20161087|BA3467||19-MAY-16|145||695|795||19|||644|NORTHWEST-MEMPHIS|0404NE|9|SHELBY|MLGW|1195 N PARKWAY AVE ||1024|||Commercial|350913|900109		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
37	S	0.49	2,575.35	253.07	WATER WELLS

Well No:	15709690	Latitude:	350829
License Code:	212	Longitude:	900139
Well Use:	Test	Accuracy:	S
Driller Report ID:	80	Accuracy Desc:	Nearest second
Driller Tag No:		County Name:	SHELBY
Well No R4:	9690	Location:	
Quad No:	0404NE	Description:	
Quad Name:	NORTHWEST-MEMPHIS	Finish Type:	
Quad Nth:	9	Finish from Ft:	
Cmpltn Date:		Finish to Ft:	
Cmpltn Static Level:		Quality:	Good
Cmpltn Tot Depth:	80	Casing Type:	Plastic
Cmpltn Est Yield:		Latitude DD:	35.141389
Inspection Tag No:		Longitude DD:	-90.0275
Inspection Date:		Lat DD:	35
Casing Ft Bel Grnd:	80	Lat MM:	8
WBZ:		Lat SS:	29
Q9th Orphan:		Lon DD:	90
Form Log:	No	Lon MM:	1
Owner Name:	LUCCHESI CONST 0217	Lon SS:	39
Link ID:	15709690|||80|||||Good|Plastic|80|NORTHWEST-MEMPHIS|0404NE|9|SHELBY|LUCCHESI CONST 0217| ||212|80|S|Test|350829|900139		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
39	NE	0.49	2,586.10	255.14	WATER WELLS

Well No:	15709722	Latitude:	350913
License Code:	30	Longitude:	900108
Well Use:	Test	Accuracy:	S
Driller Report ID:		Accuracy Desc:	Nearest second
Driller Tag No:		County Name:	SHELBY
Well No R4:	9722	Location:	
Quad No:	0404NE	Description:	
Quad Name:	NORTHWEST-MEMPHIS	Finish Type:	
Quad Nth:	9	Finish from Ft:	
Cmpltn Date:	10/8/1971 8:00 PM	Finish to Ft:	
Cmpltn Static Level:		Quality:	

Cmpltn Tot Depth:	790	Casing Type:	
Cmpltn Est Yield:		Latitude DD:	35.153611
Inspection Tag No:		Longitude DD:	-90.018889
Inspection Date:		Lat DD:	35
Casing Ft Bel Grnd:		Lat MM:	9
WBZ:		Lat SS:	13
Q9th Orphan:		Lon DD:	90
Form Log:	No	Lon MM:	1
Owner Name:	MEMPHIS LG & W SH:O-207	Lon SS:	8
Link ID:	15709722|||09-OCT-71|790||||||||NORTHWEST-MEMPHIS|0404NE|9|SHELBY|MEMPHIS LG & W SH:O-207| ||30||S|Test|350913|900108		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
41	NE	0.53	2,780.37	250.21	WATER WELLS

Well No:	15709727	Latitude:	350914
License Code:	740	Longitude:	900106
Well Use:		Accuracy:	S
Driller Report ID:	9000	Accuracy Desc:	Nearest second
Driller Tag No:		County Name:	SHELBY
Well No R4:	9727	Location:	
Quad No:	0404NE	Description:	
Quad Name:	NORTHWEST-MEMPHIS	Finish Type:	
Quad Nth:	9	Finish from Ft:	
Cmpltn Date:		Finish to Ft:	
Cmpltn Static Level:		Quality:	
Cmpltn Tot Depth:	760	Casing Type:	
Cmpltn Est Yield:		Latitude DD:	35.153889
Inspection Tag No:		Longitude DD:	-90.018333
Inspection Date:		Lat DD:	35
Casing Ft Bel Grnd:		Lat MM:	9
WBZ:		Lat SS:	14
Q9th Orphan:		Lon DD:	90
Form Log:	No	Lon MM:	1
Owner Name:	MEMPHIS LG & W SH:O-212	Lon SS:	6
Link ID:	15709727||||760||||||||NORTHWEST-MEMPHIS|0404NE|9|SHELBY|MEMPHIS LG & W SH:O-212| ||740|9000|S||350914|900106		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
48	ENE	0.63	3,330.51	240.42	WATER WELLS

Well No:	15709715	Latitude:	350912
License Code:	29	Longitude:	900057
Well Use:	Test	Accuracy:	S
Driller Report ID:		Accuracy Desc:	Nearest second
Driller Tag No:		County Name:	SHELBY
Well No R4:	9715	Location:	

Wells and Additional Sources Detail Report

Quad No:	0404NE	Description:	
Quad Name:	NORTHWEST-MEMPHIS	Finish Type:	
Quad Nth:		Finish from Ft:	
Cmpltn Date:	7/24/1973 8:00 PM	Finish to Ft:	
Cmpltn Static Level:		Quality:	
Cmpltn Tot Depth:	818	Casing Type:	
Cmpltn Est Yield:		Latitude DD:	35.153333
Inspection Tag No:		Longitude DD:	-90.015833
Inspection Date:		Lat DD:	35
Casing Ft Bel Grnd:		Lat MM:	9
WBZ:		Lat SS:	12
Q9th Orphan:		Lon DD:	90
Form Log:	No	Lon MM:	0
Owner Name:	MEMPHIS LG & W SH:O-223	Lon SS:	57
Link ID:	15709715|||25-JUL-73|818||||||||NORTHWEST-MEMPHIS|0404NE||SHELBY|MEMPHIS LG & W SH:O-223| ||29||S|Test|350912|900057		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
49	SSW	0.64	3,403.60	263.09	WATER WELLS

Well No:	15709504	Latitude:	350823
License Code:	29	Longitude:	900153
Well Use:	Commercial	Accuracy:	S
Driller Report ID:		Accuracy Desc:	Nearest second
Driller Tag No:		County Name:	SHELBY
Well No R4:	9504	Location:	
Quad No:	0404NE	Description:	
Quad Name:	NORTHWEST-MEMPHIS	Finish Type:	
Quad Nth:	9	Finish from Ft:	
Cmpltn Date:		Finish to Ft:	
Cmpltn Static Level:	77	Quality:	Unknown
Cmpltn Tot Depth:	490	Casing Type:	
Cmpltn Est Yield:		Latitude DD:	35.139722
Inspection Tag No:		Longitude DD:	-90.031389
Inspection Date:		Lat DD:	35
Casing Ft Bel Grnd:		Lat MM:	8
WBZ:		Lat SS:	23
Q9th Orphan:		Lon DD:	90
Form Log:	No	Lon MM:	1
Owner Name:	BAPTIST HOSP SH:0-21	Lon SS:	53
Link ID:	15709504|||490||||77|Unknown|||NORTHWEST-MEMPHIS|0404NE|9|SHELBY|BAPTIST HOSP SH:0-21| ||29||S|Commercial|350823|900153		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
52	SW	0.70	3,676.98	255.39	WATER WELLS

Well No:	15709549	Latitude:	350830

License Code:	740	Longitude:	900214
Well Use:	Residential	Accuracy:	S
Driller Report ID:		Accuracy Desc:	Nearest second
Driller Tag No:		County Name:	SHELBY
Well No R4:	9549	Location:	
Quad No:	0404NE	Description:	
Quad Name:	NORTHWEST-MEMPHIS	Finish Type:	
Quad Nth:	9	Finish from Ft:	
Cmpltn Date:	5/10/2046 8:00 PM	Finish to Ft:	
Cmpltn Static Level:		Quality:	Good
Cmpltn Tot Depth:	408	Casing Type:	
Cmpltn Est Yield:		Latitude DD:	35.141667
Inspection Tag No:		Longitude DD:	-90.037222
Inspection Date:		Lat DD:	35
Casing Ft Bel Grnd:		Lat MM:	8
WBZ:		Lat SS:	30
Q9th Orphan:		Lon DD:	90
Form Log:	No	Lon MM:	2
Owner Name:	KRAUS CLEANR SH:0-67	Lon SS:	14
Link ID:	15709549|||11-MAY-46|408|||||Good|||NORTHWEST-MEMPHIS|0404NE|9|SHELBY|KRAUS CLEANR SH:0-67| ||740||S|Residential|350830|900214		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
54	SW	0.70	3,705.25	255.20	WATER WELLS

Well No:	15709548	Latitude:	350829
License Code:	740	Longitude:	900213
Well Use:	Industrial	Accuracy:	S
Driller Report ID:		Accuracy Desc:	Nearest second
Driller Tag No:		County Name:	SHELBY
Well No R4:	9548	Location:	
Quad No:	0404NE	Description:	
Quad Name:	NORTHWEST-MEMPHIS	Finish Type:	
Quad Nth:	9	Finish from Ft:	
Cmpltn Date:		Finish to Ft:	
Cmpltn Static Level:		Quality:	Good
Cmpltn Tot Depth:	473	Casing Type:	
Cmpltn Est Yield:		Latitude DD:	35.141389
Inspection Tag No:		Longitude DD:	-90.036944
Inspection Date:		Lat DD:	35
Casing Ft Bel Grnd:		Lat MM:	8
WBZ:		Lat SS:	29
Q9th Orphan:		Lon DD:	90
Form Log:	No	Lon MM:	2
Owner Name:	KRAUS CLEANR SH:0666	Lon SS:	13
Link ID:	15709548|||473|||||Good|||NORTHWEST-MEMPHIS|0404NE|9|SHELBY|KRAUS CLEANR SH:0666| ||740||S|Industrial|350829|900213		

Wells and Additional Sources Detail Report

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
56	ENE	0.71	3,761.79	241.65	WATER WELLS

Well No:	15709719	Latitude:	350915
License Code:	740	Longitude:	900053
Well Use:	Test	Accuracy:	S
Driller Report ID:		Accuracy Desc:	Nearest second
Driller Tag No:		County Name:	SHELBY
Well No R4:	9719	Location:	
Quad No:	0404NE	Description:	
Quad Name:	NORTHWEST-MEMPHIS	Finish Type:	
Quad Nth:	9	Finish from Ft:	
Cmpltn Date:		Finish to Ft:	
Cmpltn Static Level:		Quality:	
Cmpltn Tot Depth:	530	Casing Type:	
Cmpltn Est Yield:		Latitude DD:	35.154167
Inspection Tag No:		Longitude DD:	-90.014722
Inspection Date:		Lat DD:	35
Casing Ft Bel Grnd:		Lat MM:	9
WBZ:		Lat SS:	15
Q9th Orphan:		Lon DD:	90
Form Log:	No	Lon MM:	0
Owner Name:	MEMPHIS LG & W SH:O-203	Lon SS:	53
Link ID:	15709719||||530||||||||NORTHWEST-MEMPHIS|0404NE|9|SHELBY|MEMPHIS LG & W SH:O-203|||740||S|Test|350915|900053		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
56	ENE	0.71	3,761.79	241.65	WATER WELLS

Well No:	15709723	Latitude:	350915
License Code:	30	Longitude:	900053
Well Use:	Test	Accuracy:	S
Driller Report ID:		Accuracy Desc:	Nearest second
Driller Tag No:		County Name:	SHELBY
Well No R4:	9723	Location:	
Quad No:	0404NE	Description:	
Quad Name:	NORTHWEST-MEMPHIS	Finish Type:	
Quad Nth:	9	Finish from Ft:	
Cmpltn Date:	11/14/1971 7:00 PM	Finish to Ft:	
Cmpltn Static Level:		Quality:	
Cmpltn Tot Depth:	761	Casing Type:	
Cmpltn Est Yield:		Latitude DD:	35.154167
Inspection Tag No:		Longitude DD:	-90.014722
Inspection Date:		Lat DD:	35
Casing Ft Bel Grnd:		Lat MM:	9
WBZ:		Lat SS:	15

Q9th Orphan:		Lon DD:	90
Form Log:	No	Lon MM:	0
Owner Name:	MEMPHIS LG & W SH:O-203	Lon SS:	53
Link ID:	15709723|||15-NOV-71|761||||||||NORTHWEST-MEMPHIS|0404NE|9|SHELBY|MEMPHIS LG & W SH: O-203| ||30||S|Test|350915|900053		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
60	ENE	0.75	3,944.13	245.96	WATER WELLS

Well No:	15709714	Latitude:	350912
License Code:	29	Longitude:	900049
Well Use:	Test	Accuracy:	S
Driller Report ID:		Accuracy Desc:	Nearest second
Driller Tag No:		County Name:	SHELBY
Well No R4:	9714	Location:	
Quad No:	0404NE	Description:	
Quad Name:	NORTHWEST-MEMPHIS	Finish Type:	
Quad Nth:	9	Finish from Ft:	
Cmpltn Date:	6/28/1973 8:00 PM	Finish to Ft:	
Cmpltn Static Level:		Quality:	
Cmpltn Tot Depth:	830	Casing Type:	
Cmpltn Est Yield:		Latitude DD:	35.153333
Inspection Tag No:		Longitude DD:	-90.013611
Inspection Date:		Lat DD:	35
Casing Ft Bel Grnd:		Lat MM:	9
WBZ:		Lat SS:	12
Q9th Orphan:		Lon DD:	90
Form Log:	No	Lon MM:	0
Owner Name:	MEMPHIS LG & W SH:O-222	Lon SS:	49
Link ID:	15709714|||29-JUN-73|830||||||||NORTHWEST-MEMPHIS|0404NE|9|SHELBY|MEMPHIS LG & W SH: O-222| ||29||S|Test|350912|900049		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
63	ENE	0.77	4,066.76	247.46	WATER WELLS

Well No:	20161086	Latitude:	350911
License Code:	1024	Longitude:	900047
Well Use:	Commercial	Accuracy:	
Driller Report ID:		Accuracy Desc:	
Driller Tag No:	BA3466	County Name:	SHELBY
Well No R4:	1086	Location:	1377 NORTH PARKWAY AVE
Quad No:	0404NE	Description:	
Quad Name:	NORTHWEST-MEMPHIS	Finish Type:	
Quad Nth:	3	Finish from Ft:	646
Cmpltn Date:	4/21/2016 8:00 PM	Finish to Ft:	746
Cmpltn Static Level:		Quality:	
Cmpltn Tot Depth:	746	Casing Type:	

Cmpltn Est Yield:		Latitude DD:	35.153056
Inspection Tag No:		Longitude DD:	-90.013056
Inspection Date:		Lat DD:	35
Casing Ft Bel Grnd:	641	Lat MM:	9
WBZ:		Lat SS:	11
Q9th Orphan:		Lon DD:	90
Form Log:	No	Lon MM:	0
Owner Name:	MLGW	Lon SS:	47
Link ID:	20161086|BA3466||22-APR-16|746||646|746||||641|NORTHWEST-MEMPHIS|0404NE|3|SHELBY|MLGW|1377 NORTH PARKWAY AVE ||1024|||Commercial|350911|900047		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
63	ENE	0.77	4,066.76	247.46	WATER WELLS

Well No:	15709581	Latitude:	350911
License Code:	29	Longitude:	900047
Well Use:	Commercial	Accuracy:	S
Driller Report ID:		Accuracy Desc:	Nearest second
Driller Tag No:		County Name:	SHELBY
Well No R4:	9581	Location:	
Quad No:	0404NE	Description:	
Quad Name:	NORTHWEST-MEMPHIS	Finish Type:	
Quad Nth:	9	Finish from Ft:	
Cmpltn Date:		Finish to Ft:	
Cmpltn Static Level:	61	Quality:	
Cmpltn Tot Depth:	526	Casing Type:	
Cmpltn Est Yield:		Latitude DD:	35.153056
Inspection Tag No:		Longitude DD:	-90.013056
Inspection Date:		Lat DD:	35
Casing Ft Bel Grnd:		Lat MM:	9
WBZ:		Lat SS:	11
Q9th Orphan:		Lon DD:	90
Form Log:	No	Lon MM:	0
Owner Name:	SEARS SH:0-99	Lon SS:	47
Link ID:	15709581||||526||||61||||NORTHWEST-MEMPHIS|0404NE|9|SHELBY|SEARS SH:0-99| ||29||S|Commercial|350911|900047		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
66	NE	0.80	4,245.79	234.93	WATER WELLS

Well No:	15709600	Latitude:	350930
License Code:	740	Longitude:	900100
Well Use:	Industrial	Accuracy:	S
Driller Report ID:		Accuracy Desc:	Nearest second
Driller Tag No:		County Name:	SHELBY
Well No R4:	9600	Location:	

Wells and Additional Sources Detail Report

Quad No:	0404NE	Description:	
Quad Name:	NORTHWEST-MEMPHIS	Finish Type:	
Quad Nth:	9	Finish from Ft:	
Cmpltn Date:		Finish to Ft:	
Cmpltn Static Level:	4	Quality:	Good
Cmpltn Tot Depth:	108	Casing Type:	Steel
Cmpltn Est Yield:		Latitude DD:	35.158333
Inspection Tag No:		Longitude DD:	-90.016667
Inspection Date:		Lat DD:	35
Casing Ft Bel Grnd:		Lat MM:	9
WBZ:		Lat SS:	30
Q9th Orphan:	Yes	Lon DD:	90
Form Log:	No	Lon MM:	1
Owner Name:	MPS ICE CRM SH:0-119	Lon SS:	0
Link ID:	15709600|||108||||4|Good|Steel||NORTHWEST-MEMPHIS|0404NE|9|SHELBY|MPS ICE CRM SH:0-119| ||740||S|Industrial|350930|900100		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
67	WNW	0.80	4,247.42	231.60	WATER WELLS

Well No:	15709496	Latitude:	350920
License Code:	740	Longitude:	900230
Well Use:		Accuracy:	S
Driller Report ID:		Accuracy Desc:	Nearest second
Driller Tag No:		County Name:	SHELBY
Well No R4:	9496	Location:	
Quad No:	0404NE	Description:	
Quad Name:	NORTHWEST-MEMPHIS	Finish Type:	
Quad Nth:	9	Finish from Ft:	
Cmpltn Date:		Finish to Ft:	
Cmpltn Static Level:	45	Quality:	Unknown
Cmpltn Tot Depth:	396	Casing Type:	
Cmpltn Est Yield:		Latitude DD:	35.155556
Inspection Tag No:		Longitude DD:	-90.041667
Inspection Date:		Lat DD:	35
Casing Ft Bel Grnd:		Lat MM:	9
WBZ:		Lat SS:	20
Q9th Orphan:		Lon DD:	90
Form Log:	No	Lon MM:	2
Owner Name:	BANNON ICE SHS0-1313	Lon SS:	30
Link ID:	15709496|||396||||45|Unknown|||NORTHWEST-MEMPHIS|0404NE|9|SHELBY|BANNON ICE SHS0-1313| ||740||S||350920|900230		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
69	ENE	0.81	4,274.79	249.49	WATER WELLS

Well No:	15709729	Latitude:	350910

License Code:	30	Longitude:	900044
Well Use:	Test	Accuracy:	S
Driller Report ID:		Accuracy Desc:	Nearest second
Driller Tag No:		County Name:	SHELBY
Well No R4:	9729	Location:	
Quad No:	0404NE	Description:	
Quad Name:	NORTHWEST-MEMPHIS	Finish Type:	
Quad Nth:	9	Finish from Ft:	
Cmpltn Date:	6/1/1972 8:00 PM	Finish to Ft:	
Cmpltn Static Level:		Quality:	
Cmpltn Tot Depth:	614	Casing Type:	
Cmpltn Est Yield:		Latitude DD:	35.152778
Inspection Tag No:		Longitude DD:	-90.012222
Inspection Date:		Lat DD:	35
Casing Ft Bel Grnd:		Lat MM:	9
WBZ:		Lat SS:	10
Q9th Orphan:		Lon DD:	90
Form Log:	No	Lon MM:	0
Owner Name:	MEMPHIS LG & W SH:O-216	Lon SS:	44
Link ID:	15709729|||02-JUN-72|614||||||||NORTHWEST-MEMPHIS|0404NE|9|SHELBY|MEMPHIS LG & W SH:O-216| ||30||S|Test|350910|900044		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
70	SSW	0.82	4,340.00	276.76	WATER WELLS

Well No:	15709517	Latitude:	350815
License Code:	29	Longitude:	900159
Well Use:	Commercial	Accuracy:	S
Driller Report ID:		Accuracy Desc:	Nearest second
Driller Tag No:		County Name:	SHELBY
Well No R4:	9517	Location:	
Quad No:	0404NE	Description:	
Quad Name:	NORTHWEST-MEMPHIS	Finish Type:	
Quad Nth:	9	Finish from Ft:	
Cmpltn Date:		Finish to Ft:	
Cmpltn Static Level:		Quality:	Good
Cmpltn Tot Depth:	450	Casing Type:	
Cmpltn Est Yield:		Latitude DD:	35.1375
Inspection Tag No:		Longitude DD:	-90.033056
Inspection Date:		Lat DD:	35
Casing Ft Bel Grnd:		Lat MM:	8
WBZ:		Lat SS:	15
Q9th Orphan:		Lon DD:	90
Form Log:	No	Lon MM:	1
Owner Name:	MPS STM LAUN SH:0-35	Lon SS:	59
Link ID:	15709517||||450|||||Good|||NORTHWEST-MEMPHIS|0404NE|9|SHELBY|MPS STM LAUN SH:0-35| ||29||S|Commercial|350815|900159		

Wells and Additional Sources Detail Report

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
73	SSW	0.85	4,510.39	279.65	WATER WELLS

Well No:	15709514	Latitude:	350817
License Code:	29	Longitude:	900208
Well Use:	Farm	Accuracy:	S
Driller Report ID:		Accuracy Desc:	Nearest second
Driller Tag No:		County Name:	SHELBY
Well No R4:	9514	Location:	
Quad No:	0404NE	Description:	
Quad Name:	NORTHWEST-MEMPHIS	Finish Type:	
Quad Nth:	9	Finish from Ft:	
Cmpltn Date:		Finish to Ft:	
Cmpltn Static Level:		Quality:	Good
Cmpltn Tot Depth:		Casing Type:	
Cmpltn Est Yield:		Latitude DD:	35.138056
Inspection Tag No:		Longitude DD:	-90.035556
Inspection Date:		Lat DD:	35
Casing Ft Bel Grnd:		Lat MM:	8
WBZ:		Lat SS:	17
Q9th Orphan:		Lon DD:	90
Form Log:	No	Lon MM:	2
Owner Name:	CLOVER FARM SH:0-32	Lon SS:	8
Link ID:	15709514|||||||||Good|||NORTHWEST-MEMPHIS|0404NE|9|SHELBY|CLOVER FARM SH:0-32|||29||S|Farm|350817|900208		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
75	SSW	0.86	4,555.70	279.49	WATER WELLS

Well No:	15709512	Latitude:	350817
License Code:	30	Longitude:	900209
Well Use:	Farm	Accuracy:	S
Driller Report ID:		Accuracy Desc:	Nearest second
Driller Tag No:		County Name:	SHELBY
Well No R4:	9512	Location:	
Quad No:	0404NE	Description:	
Quad Name:	NORTHWEST-MEMPHIS	Finish Type:	
Quad Nth:	9	Finish from Ft:	
Cmpltn Date:		Finish to Ft:	
Cmpltn Static Level:		Quality:	Good
Cmpltn Tot Depth:	524	Casing Type:	
Cmpltn Est Yield:		Latitude DD:	35.138056
Inspection Tag No:		Longitude DD:	-90.035833
Inspection Date:		Lat DD:	35
Casing Ft Bel Grnd:		Lat MM:	8
WBZ:		Lat SS:	17

Q9th Orphan:		Lon DD:	90
Form Log:	No	Lon MM:	2
Owner Name:	CLOVER FARM SHH0-300	Lon SS:	9
Link ID:	15709512||||524|||||Good|||NORTHWEST-MEMPHIS|0404NE|9|SHELBY|CLOVER FARM SHH0-300|||30||S|Farm|350817|900209		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
76	SSW	0.87	4,595.90	278.66	WATER WELLS

Well No:	15709513	Latitude:	350816
License Code:	740	Longitude:	900208
Well Use:	Farm	Accuracy:	S
Driller Report ID:		Accuracy Desc:	Nearest second
Driller Tag No:		County Name:	SHELBY
Well No R4:	9513	Location:	
Quad No:	0404NE	Description:	
Quad Name:	NORTHWEST-MEMPHIS	Finish Type:	
Quad Nth:	9	Finish from Ft:	
Cmpltn Date:		Finish to Ft:	
Cmpltn Static Level:		Quality:	Good
Cmpltn Tot Depth:	597	Casing Type:	
Cmpltn Est Yield:		Latitude DD:	35.137778
Inspection Tag No:		Longitude DD:	-90.035556
Inspection Date:		Lat DD:	35
Casing Ft Bel Grnd:		Lat MM:	8
WBZ:		Lat SS:	16
Q9th Orphan:		Lon DD:	90
Form Log:	No	Lon MM:	2
Owner Name:	CLOVER FARM SHH0-311	Lon SS:	8
Link ID:	15709513||||597|||||Good|||NORTHWEST-MEMPHIS|0404NE|9|SHELBY|CLOVER FARM SHH0-311|||740||S|Farm|350816|900208		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
78	SW	0.90	4,736.04	262.17	WATER WELLS

Well No:	15709547	Latitude:	350824
License Code:	29	Longitude:	900225
Well Use:	Industrial	Accuracy:	S
Driller Report ID:		Accuracy Desc:	Nearest second
Driller Tag No:		County Name:	SHELBY
Well No R4:	9547	Location:	
Quad No:	0404NE	Description:	
Quad Name:	NORTHWEST-MEMPHIS	Finish Type:	
Quad Nth:	9	Finish from Ft:	
Cmpltn Date:		Finish to Ft:	
Cmpltn Static Level:	90	Quality:	Good
Cmpltn Tot Depth:		Casing Type:	

Cmpltn Est Yield:		Latitude DD:	35.14
Inspection Tag No:		Longitude DD:	-90.040278
Inspection Date:		Lat DD:	35
Casing Ft Bel Grnd:		Lat MM:	8
WBZ:		Lat SS:	24
Q9th Orphan:		Lon DD:	90
Form Log:	No	Lon MM:	2
Owner Name:	MANUFACTURER SH:0-65	Lon SS:	25
Link ID:	15709547||||||||90|Good|||NORTHWEST-MEMPHIS|0404NE|9|SHELBY|MANUFACTURER SH:0-65|||29||S|Industrial|350824|900225		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
80	WNW	0.91	4,812.86	227.42	WATER WELLS

Well No:	15709681	Latitude:	350924
License Code:	740	Longitude:	900235
Well Use:	Test	Accuracy:	S
Driller Report ID:	230	Accuracy Desc:	Nearest second
Driller Tag No:		County Name:	SHELBY
Well No R4:	9681	Location:	
Quad No:	0404NE	Description:	
Quad Name:	NORTHWEST-MEMPHIS	Finish Type:	
Quad Nth:	8	Finish from Ft:	
Cmpltn Date:		Finish to Ft:	
Cmpltn Static Level:		Quality:	
Cmpltn Tot Depth:	98	Casing Type:	
Cmpltn Est Yield:		Latitude DD:	35.156667
Inspection Tag No:		Longitude DD:	-90.043056
Inspection Date:		Lat DD:	35
Casing Ft Bel Grnd:		Lat MM:	9
WBZ:		Lat SS:	24
Q9th Orphan:		Lon DD:	90
Form Log:	No	Lon MM:	2
Owner Name:	MEMPHIS LG & W SH:O-124	Lon SS:	35
Link ID:	15709681||||98||||||||NORTHWEST-MEMPHIS|0404NE|8|SHELBY|MEMPHIS LG & W SH:O-124|||740|230|S|Test|350924|900235		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
81	WSW	0.93	4,884.26	234.15	WATER WELLS

Well No:	15709575	Latitude:	350841
License Code:	29	Longitude:	900241
Well Use:	Industrial	Accuracy:	S
Driller Report ID:		Accuracy Desc:	Nearest second
Driller Tag No:		County Name:	SHELBY
Well No R4:	9575	Location:	
Quad No:	0404NE	Description:	

Wells and Additional Sources Detail Report

Quad Name:	NORTHWEST-MEMPHIS	Finish Type:	
Quad Nth:	8	Finish from Ft:	
Cmpltn Date:	1/22/1950 7:00 PM	Finish to Ft:	
Cmpltn Static Level:		Quality:	
Cmpltn Tot Depth:	416	Casing Type:	
Cmpltn Est Yield:		Latitude DD:	35.144722
Inspection Tag No:		Longitude DD:	-90.044722
Inspection Date:		Lat DD:	35
Casing Ft Bel Grnd:		Lat MM:	8
WBZ:		Lat SS:	41
Q9th Orphan:		Lon DD:	90
Form Log:	No	Lon MM:	2
Owner Name:	UNITED ICE SH:0-93	Lon SS:	41
Link ID:	15709575|||23-JAN-50|416||||||||NORTHWEST-MEMPHIS|0404NE|8|SHELBY|UNITED ICE SH:0-93|||29||S|Industrial|350841|900241		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
82	WSW	0.93	4,921.23	234.54	WATER WELLS

Well No:	15709574	Latitude:	350840
License Code:	740	Longitude:	900241
Well Use:	Industrial	Accuracy:	S
Driller Report ID:		Accuracy Desc:	Nearest second
Driller Tag No:		County Name:	SHELBY
Well No R4:	9574	Location:	
Quad No:	0404NE	Description:	
Quad Name:	NORTHWEST-MEMPHIS	Finish Type:	
Quad Nth:	8	Finish from Ft:	
Cmpltn Date:		Finish to Ft:	
Cmpltn Static Level:		Quality:	Good
Cmpltn Tot Depth:	279	Casing Type:	
Cmpltn Est Yield:		Latitude DD:	35.144444
Inspection Tag No:		Longitude DD:	-90.044722
Inspection Date:		Lat DD:	35
Casing Ft Bel Grnd:		Lat MM:	8
WBZ:		Lat SS:	40
Q9th Orphan:		Lon DD:	90
Form Log:	No	Lon MM:	2
Owner Name:	UNITED ICE SHS0-9292	Lon SS:	41
Link ID:	15709574|||279|||||Good|||NORTHWEST-MEMPHIS|0404NE|8|SHELBY|UNITED ICE SHS0-9292|||740||S|Industrial|350840|900241		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
83	SW	0.95	5,039.15	256.06	WATER WELLS

Well No:	15709495	Latitude:	350820
License Code:	740	Longitude:	900225

Well Use:	Commercial	Accuracy:	S
Driller Report ID:		Accuracy Desc:	Nearest second
Driller Tag No:		County Name:	SHELBY
Well No R4:	9495	Location:	
Quad No:	0404NE	Description:	
Quad Name:	NORTHWEST-MEMPHIS	Finish Type:	
Quad Nth:	9	Finish from Ft:	
Cmpltn Date:		Finish to Ft:	
Cmpltn Static Level:	59	Quality:	Good
Cmpltn Tot Depth:	395	Casing Type:	
Cmpltn Est Yield:		Latitude DD:	35.138889
Inspection Tag No:		Longitude DD:	-90.040278
Inspection Date:		Lat DD:	35
Casing Ft Bel Grnd:		Lat MM:	8
WBZ:		Lat SS:	20
Q9th Orphan:		Lon DD:	90
Form Log:	No	Lon MM:	2
Owner Name:	MPS PUBLISH SHH0-122	Lon SS:	25
Link ID:	15709495|||395||||59|Good|||NORTHWEST-MEMPHIS|0404NE|9|SHELBY|MPS PUBLISH SHH0-122|||740||S|Commercial|350820|900225		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
84	W	0.96	5,089.68	236.28	WATER WELLS

Well No:	15709515	Latitude:	350853
License Code:	740	Longitude:	900247
Well Use:	Commercial	Accuracy:	S
Driller Report ID:		Accuracy Desc:	Nearest second
Driller Tag No:		County Name:	SHELBY
Well No R4:	9515	Location:	
Quad No:	0404NE	Description:	
Quad Name:	NORTHWEST-MEMPHIS	Finish Type:	
Quad Nth:	8	Finish from Ft:	
Cmpltn Date:		Finish to Ft:	
Cmpltn Static Level:	45	Quality:	Good
Cmpltn Tot Depth:	450	Casing Type:	
Cmpltn Est Yield:		Latitude DD:	35.148056
Inspection Tag No:		Longitude DD:	-90.046389
Inspection Date:		Lat DD:	35
Casing Ft Bel Grnd:		Lat MM:	8
WBZ:		Lat SS:	53
Q9th Orphan:		Lon DD:	90
Form Log:	No	Lon MM:	2
Owner Name:	COCA COLA SH 0-33-33	Lon SS:	47
Link ID:	15709515|||450||||45|Good|||NORTHWEST-MEMPHIS|0404NE|8|SHELBY|COCA COLA SH 0-33-33|||740||S|Commercial|350853|900247		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
85	SW	0.97	5,117.19	257.42	WATER WELLS

Well No:	15709591	Latitude:	350819
License Code:	30	Longitude:	900225
Well Use:	Industrial	Accuracy:	S
Driller Report ID:		Accuracy Desc:	Nearest second
Driller Tag No:		County Name:	SHELBY
Well No R4:	9591	Location:	
Quad No:	0404NE	Description:	
Quad Name:	NORTHWEST-MEMPHIS	Finish Type:	
Quad Nth:	9	Finish from Ft:	
Cmpltn Date:		Finish to Ft:	
Cmpltn Static Level:	59	Quality:	Good
Cmpltn Tot Depth:	395	Casing Type:	
Cmpltn Est Yield:		Latitude DD:	35.138611
Inspection Tag No:		Longitude DD:	-90.040278
Inspection Date:		Lat DD:	35
Casing Ft Bel Grnd:		Lat MM:	8
WBZ:		Lat SS:	19
Q9th Orphan:		Lon DD:	90
Form Log:	No	Lon MM:	2
Owner Name:	MPS PUBLISH SH:0-109	Lon SS:	25
Link ID:	15709591||||395|||||59|Good|||NORTHWEST-MEMPHIS|0404NE|9|SHELBY|MPS PUBLISH SH:0-109|||30||S|Industrial|350819|900225		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
86	S	0.99	5,206.69	268.70	WATER WELLS

Well No:	15709569	Latitude:	350803
License Code:	740	Longitude:	900140
Well Use:	Industrial	Accuracy:	S
Driller Report ID:		Accuracy Desc:	Nearest second
Driller Tag No:		County Name:	SHELBY
Well No R4:	9569	Location:	
Quad No:	0404NE	Description:	
Quad Name:	NORTHWEST-MEMPHIS	Finish Type:	
Quad Nth:	9	Finish from Ft:	
Cmpltn Date:		Finish to Ft:	
Cmpltn Static Level:		Quality:	Good
Cmpltn Tot Depth:		Casing Type:	
Cmpltn Est Yield:		Latitude DD:	35.134167
Inspection Tag No:		Longitude DD:	-90.027778
Inspection Date:		Lat DD:	35
Casing Ft Bel Grnd:		Lat MM:	8
WBZ:		Lat SS:	3
Q9th Orphan:		Lon DD:	90

Wells and Additional Sources Detail Report

Form Log:	No	Lon MM:	1
Owner Name:	MODEL LAUNDR SH:0-87	Lon SS:	40
Link ID:	15709569|||||||||Good|||NORTHWEST-MEMPHIS|0404NE|9|SHELBY|MODEL LAUNDR SH:0-87|||740||S|Industrial|350803|900140		

Radon Information

This section lists any relevant radon information found for the target property.

Federal EPA Radon Zone for *SHELBY* County: **3**

Zone 1: Counties with predicted average indoor radon screening levels greater than 4 pCi/L
Zone 2: Counties with predicted average indoor radon screening levels from 2 to 4 pCi/L
Zone 3: Counties with predicted average indoor radon screening levels less than 2 pCi/L

Federal Area Radon Information for *SHELBY* County

No Measures/Homes:	144
Geometric Mean:	0.8
Arithmetic Mean:	1
Median:	0.8
Standard Deviation:	0.8
Maximum:	4.4
% >4 pCi/L:	1
% >20 pCi/L:	0
Notes on Data Table:	TABLE 1. Screening indoor radon data from the EPA/State Residential Radon Survey of Tennessee conducted during 1986-87. Data represent 2-7 day charcoal canister measurements from the lowest level of each home tested.

Appendix

Federal Sources

FEMA National Flood Hazard Layer — **FEMA FLOOD**

The National Flood Hazard Layer (NFHL) data incorporates Flood Insurance Rate Map (FIRM) databases published by the Federal Emergency Management Agency (FEMA), and any Letters Of Map Revision (LOMRs) that have been issued against those databases since their publication date. The FIRM Database is the digital, geospatial version of the flood hazard information shown on the published paper FIRMs. The FIRM Database depicts flood risk information and supporting data used to develop the risk data. The FIRM Database is derived from Flood Insurance Studies (FISs), previously published FIRMs, flood hazard analyses performed in support of the FISs and FIRMs, and new mapping data, where available.

Indoor Radon Data — **INDOOR RADON**

Indoor radon measurements tracked by the Environmental Protection Agency(EPA) and the State Residential Radon Survey.

Public Water Systems Violations and Enforcement Data — **PWSV**

List of drinking water violations and enforcement actions from the Safe Drinking Water Information System (SDWIS) made available by the Drinking Water Protection Division of the US EPA's Office of Groundwater and Drinking Water. Enforcement sensitive actions are not included in the data released by the EPA. Address information provided in SWDIS may correspond either with the physical location of the water system, or with a contact address.

Radon Zone Level — **RADON ZONE**

Areas showing the level of Radon Zones (level 1, 2 or 3) by county. This data is maintained by the Environmental Protection Agency (EPA).

Safe Drinking Water Information System (SDWIS) — **SDWIS**

The Safe Drinking Water Information System (SDWIS) contains information about public water systems as reported to US Environmental Protection Agency (EPA) by the states. Addresses may correspond with the location of the water system, or with a contact address.

Soil Survey Geographic database — **SSURGO**

The Soil Survey Geographic database (SSURGO) contains information about soil as collected by the National Cooperative Soil Survey at the Natural Resources Conservation Service (NRCS). Soil maps outline areas called map units. The map units are linked to soil properties in a database. Each map unit may contain one to three major components and some minor components.

U.S. Fish & Wildlife Service Wetland Data — **US WETLAND**

The U.S. Fish & Wildlife Service Wetland layer represents the approximate location and type of wetlands and deepwater habitats in the United States.

USGS Current Topo — **US TOPO**

US Topo topographic maps are produced by the National Geospatial Program of the U.S. Geological Survey (USGS). The project was launched in late 2009, and the term "US Topo" refers specifically to quadrangle topographic maps published in 2009 and later.

USGS Geology — **US GEOLOGY**

Seamless maps depicting geological information provided by the United States Geological Survey (USGS).

USGS National Water Information System — **FED USGS**

The U.S. Geological Survey (USGS)'s National Water Information System (NWIS) is the nation's principal repository of water resources data. This database includes comprehensive information of well-construction details, time-series data for gage height, streamflow, groundwater level, and precipitation and water use data.

State Sources

County Water Wells — **WATER WELLS**

A list of county water well locations maintained by the Division of Water Resources at the Department of

Environment and Conservation.

Oil and Gas Wells **OGW**

Oil and Gas Well Data made available by Tennessee Department of Environment and Conservation.

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Reliance on information in Report: The Physical Setting Report (PSR) DOES NOT replace a full Phase I Environmental Site Assessment but is solely intended to be used as a review of environmental databases and physical characteristics for the site or adjacent properties.

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Appendix F
Government Records

AD^ file

TENNESSEE DEPARTMENT OF ENVIRONMENT & CONSERVATION
DIVISION OF REMEDIATION
401 CHURCH STREET
4th FLOOR L & C ANNEX
NASHVILLE, TENNESSEE 37243

February 17, 2012

Mr. Vince Bennett
McCormack Baron Salazar
1415 Olive Street, Ste 310
St. Louis, MO 63103-2334

Mr. Jonathan Goldstein
McCormack Baron Salazar
1415 Olive Street, Ste 310
St. Louis, MO 63103-2334

Mr. Robert Lipscomb
Executive Director
Memphis Housing Authority
700 Adams Avenue
Memphis, TN 38105

FEB 27 2012

Mr. Archie W. Willis, III
Community Capital, LLC
88 Union, Suite 1100
Memphis, TN 38103

Ms. Rosalyn Willis
20 South Dudley, Suite 801
Memphis, TN 38103

RE: Completion letter for Legends Park North/West [formerly a portion of Dixie Homes Housing Development [TN1-5 & TN1-9]
DoR Number 79-846

Dear Messrs. Bennett, Willis, Goldstein, and Lipscomb and Ms. Willis:

This letter certifies completion of the tasks set forth in the Brownfield Agreement entered into between the Tennessee Department of Environment and Conservation, Memphis Housing Authority and McCormack Baron Salazar to address the portion of the Dixie Homes property

known as Legends Park North/West property (see Exhibit A) in Memphis, TN. The Department shall require no further action under this Agreement.

I appreciate your efforts to address environmental impacts at this property. For additional or site specific information, please contact the Division of Remediation Memphis Environmental Field Office Manager, Jordan English at 901-371-3039. If I can be of further assistance, please contact me at 615-532-0911.

Sincerely,

Robert A. Binford
Director
Division of Remediation

cc: Memphis EFO
VOAP Files
NCO Files

EXHIBIT A

LEGAL DESCRIPTION
LEGENDS PARK NORTH/WEST SITE

BEING PART OF THE MEMPHIS HOUSING AUTHORITY PROPERTY ONCE KNOWN AS DIXIE HOMES AS RECORDED IN PARENT DEED BOOK 3094, PAGE 267 (TAX PARCEL 05101700001), AND ALSO PART OF THE MEMPHIS HOUSING AUTHORITY PROPERTY AS RECORDED IN INST. NO. H2-2047 (TAX PARCEL 05101700002), IN THE SHELBY COUNTY TAX ASSESSOR'S OFFICE, MEMPHIS, SHELBY COUNTY, TENNESSEE, MORE PARTICULARLY DESCRIBED AS FOLLOWS:

COMMENCING AT THE CENTERLINE INTERSECTION OF POPLAR AVENUE (R.O.W. VARIES) AND AYERS STREET (R.O.W. VARIES); THENCE NORTH 09°08'57" EAST, ALONG THE CENTERLINE OF SAID AYERS STREET A DISTANCE OF 483.98 FEET TO A POINT; THENCE SOUTH 80°51'03" EAST, DEPARTING SAID CENTERLINE, A DISTANCE OF 23.00 FEET TO A POINT IN THE EAST RIGHT-OF-WAY LINE OF SAID AYERS STREET, SAID POINT BEING THE POINT OF BEGINNING FOR THE PARCEL HEREIN DESCRIBED; THENCE

NORTH 09°01'23" EAST, A DISTANCE OF 397.68 FEET TO A POINT OF CURVATURE; THENCE

FOLLOWING THE ARC OF A CURVE TO THE LEFT HAVING A RADIUS OF 423.00 FEET, AN ARC LENGTH OF 127.85 FEET, A DELTA ANGLE OF 17°19'03" (CHORD BEARS NORTH 00°35'48" WEST, 127.37 FEET) TO A POINT OF REVERSE CURVATURE; THENCE

FOLLOWING THE ARC OF A CURVE TO THE RIGHT HAVING A RADIUS OF 375.00 FEET, AN ARC LENGTH OF 116.77 FEET, A DELTA ANGLE OF 17°50'29" (CHORD BEARS NORTH 00°51'31" EAST, 116.30 FEET) TO A POINT; THENCE

NORTH 09°46'45" EAST, A DISTANCE OF 444.96 FEET TO A POINT; THENCE

NORTH 49°39'08" EAST, A DISTANCE OF 10.00 FEET TO A POINT; THENCE

NORTH 89°31'31" EAST, A DISTANCE OF 497.24 FEET TO A POINT OF CURVATURE; THENCE

FOLLOWING THE ARC OF A CURVE TO THE RIGHT HAVING A RADIUS OF 1,248.24 FEET, AN ARC LENGTH OF 331.87 FEET, A DELTA ANGLE OF 15°14'00" (CHORD BEARS SOUTH 82°51'29" EAST, 330.90 FEET) TO A POINT; THENCE

SOUTH 75°14'29" EAST, A DISTANCE OF 210.78 FEET TO A POINT; THENCE

SOUTH 33°03'27" EAST, A DISTANCE OF 15.00 FEET TO A POINT IN THE WEST RIGHT-OF-WAY LINE OF DECATUR STREET (R.O.W. VARIES); THENCE

SOUTH 09°07'34" WEST, ALONG SAID WEST RIGHT-OF-WAY LINE, A DISTANCE OF 341.38 FEET TO A POINT; THENCE

NORTH 80°52'26" WEST, DEPARTING SAID RIGHT-OF-WAY LINE, A DISTANCE OF 76.41 FEET TO A POINT; THENCE

NORTH 09°07'37" EAST, A DISTANCE OF 80.65 FEET TO A POINT; THENCE

NORTH 80°52'23" WEST, A DISTANCE OF 266.55 FEET TO A POINT; THENCE

SOUTH 09°13'58" WEST, A DISTANCE OF 165.55 FEET TO A POINT; THENCE

NORTH 80°52'23" WEST, A DISTANCE OF 39.05 FEET TO A POINT OF CURVATURE; THENCE

FOLLOWING THE ARC OF A CURVE TO THE RIGHT HAVING A RADIUS OF 30.00 FEET, AN ARC LENGTH OF 47.18 FEET, A DELTA ANGLE OF 90°06'16" (CHORD BEARS NORTH 35°49'12" WEST, 42.47 FEET) TO A POINT; THENCE

NORTH 81°00'00" WEST, A DISTANCE OF 50.00 FEET TO A POINT OF OF NON-TANGENT CURVATURE; THENCE

FOLLOWING THE ARC OF A CURVE TO THE RIGHT HAVING A RADIUS OF 30.00 FEET, AN ARC LENGTH OF 47.07 FEET, A DELTA ANGLE OF 89°53'39" (CHORD BEARS SOUTH 54°10'48" WEST, 42.39 FEET) TO A POINT; THENCE

NORTH 80°52'23" WEST, A DISTANCE OF 26.00 FEET TO A POINT OF CURVATURE; THENCE

FOLLOWING THE ARC OF A CURVE TO THE RIGHT HAVING A RADIUS OF 30.00 FEET, AN ARC LENGTH OF 47.18 FEET, A DELTA ANGLE OF 90°06'21" (CHORD BEARS NORTH 35°49'12" WEST, 42.47 FEET) TO A POINT; THENCE

NORTH 81°00'00" WEST, A DISTANCE OF 50.00 FEET TO A POINT OF OF NON-TANGENT CURVATURE; THENCE

FOLLOWING THE ARC OF A CURVE TO THE RIGHT HAVING A RADIUS OF 30.00 FEET, AN ARC LENGTH OF 47.07 FEET, A DELTA ANGLE OF 89°53'39" (CHORD BEARS SOUTH 54°10'48" WEST, 42.39 FEET) TO A POINT; THENCE

SOUTH 09°07'37" WEST, A DISTANCE OF 60.00 FEET TO A POINT; THENCE

SOUTH 80°52'23" EAST, A DISTANCE OF 62.78 FEET TO A POINT OF CURVATURE; THENCE

FOLLOWING THE ARC OF A CURVE TO THE RIGHT HAVING A RADIUS OF 30.00 FEET, AN ARC LENGTH OF 47.18 FEET, A DELTA ANGLE OF 90°06'21" (CHORD BEARS SOUTH 35°49'12" EAST, 42.47 FEET) TO A POINT; THENCE

SOUTH 09°13'58" WEST, A DISTANCE OF 179.91 FEET TO A POINT OF CURVATURE; THENCE

FOLLOWING THE ARC OF A CURVE TO THE RIGHT HAVING A RADIUS OF 30.00 FEET, AN ARC LENGTH OF 47.07 FEET, A DELTA ANGLE OF 89°53'39" (CHORD BEARS SOUTH 54°10'48" WEST, 42.39 FEET) TO A POINT; THENCE

SOUTH 09°20'19" WEST, A DISTANCE OF 60.00 FEET TO A POINT OF OF NON-TANGENT CURVATURE; THENCE

FOLLOWING THE ARC OF A CURVE TO THE RIGHT HAVING A RADIUS OF 30.00 FEET, AN ARC LENGTH OF 47.18 FEET, A DELTA ANGLE OF 9°06'21" (CHORD BEARS SOUTH 35°49'12" EAST, 42.47 FEET) TO A POINT; THENCE

SOUTH 09°13'58" WEST, A DISTANCE OF 172.82 FEET TO A POINT OF CURVATURE; THENCE

FOLLOWING THE ARC OF A CURVE TO THE RIGHT HAVING A RADIUS OF 30.00 FEET, AN ARC LENGTH OF 47.07 FEET, A DELTA ANGLE OF 89°53'39" (CHORD BEARS SOUTH 54°10'48" WEST, 42.39 FEET) TO A POINT; THENCE

NORTH 80°52'23" WEST, A DISTANCE OF 142.04 FEET TO A POINT; THENCE

SOUTH 09°07'37" WEST, A DISTANCE OF 60.00 FEET TO A POINT OF OF NON-TANGENT CURVATURE; THENCE

FOLLOWING THE ARC OF A CURVE TO THE RIGHT HAVING A RADIUS OF 30.00 FEET, AN ARC LENGTH OF 37.10 FEET, A DELTA ANGLE OF 70°51'38" (CHORD BEARS SOUTH 45°26'34" EAST, 34.78 FEET) TO A POINT OF REVERSE CURVATURE; THENCE

FOLLOWING THE ARC OF A CURVE TO THE LEFT HAVING A RADIUS OF 153.00 FEET, AN ARC LENGTH OF 94.10 FEET, A DELTA ANGLE OF 35°14'20" (CHORD BEARS SOUTH 27°37'55" EAST, 92.60 FEET) TO A POINT OF COMPOUND CURVATURE; THENCE

FOLLOWING THE ARC OF A CURVE TO THE LEFT HAVING A RADIUS OF 203.00 FEET, AN ARC LENGTH OF 72.96 FEET, A DELTA ANGLE OF 20°35'36" (CHORD BEARS SOUTH 55°32'53" EAST, 72.57 FEET) TO A POINT OF REVERSE CURVATURE; THENCE

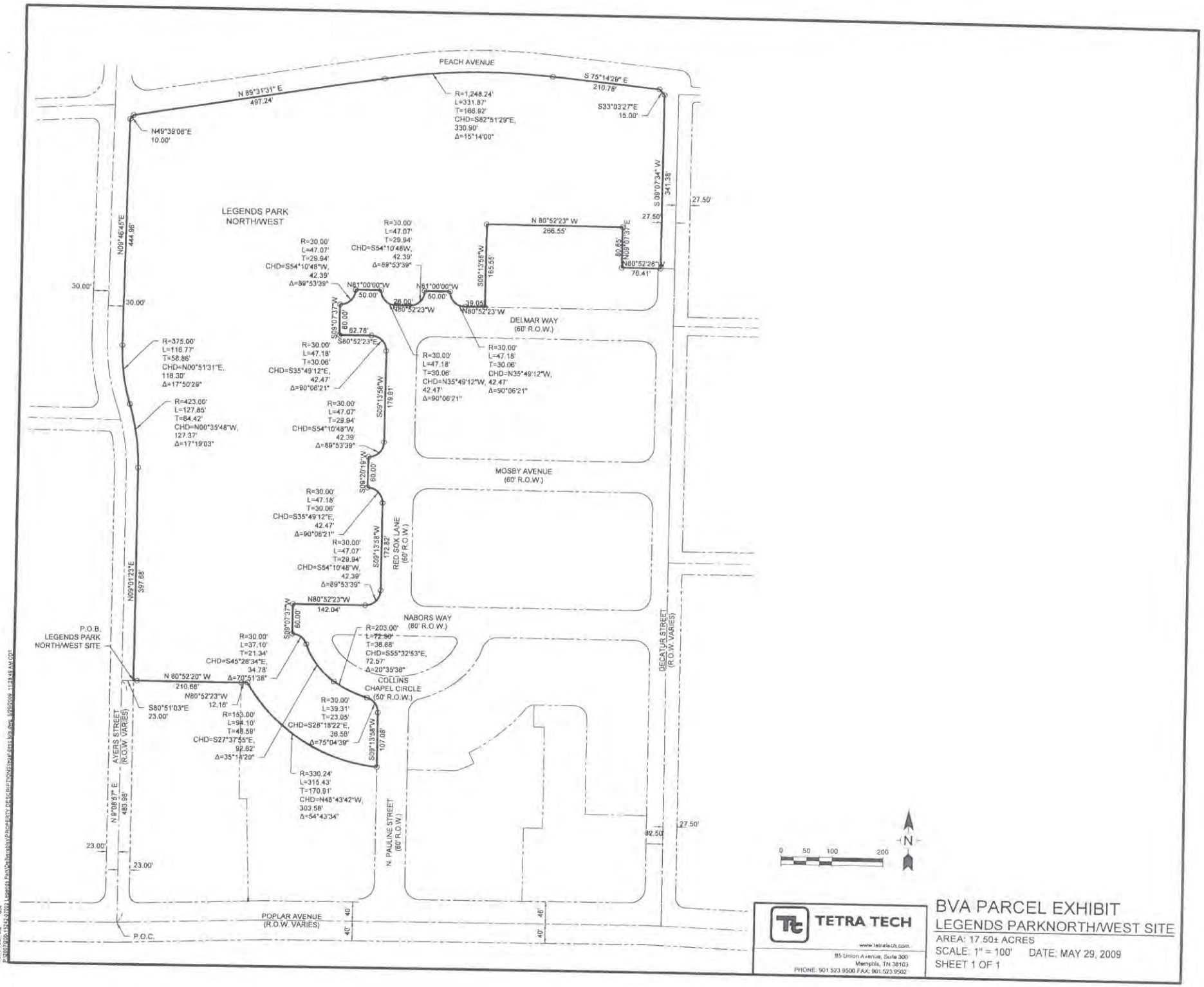
FOLLOWING THE ARC OF A CURVE TO THE RIGHT HAVING A RADIUS OF 30.00 FEET, AN ARC LENGTH OF 39.31 FEET, A DELTA ANGLE OF 75°04'39" (CHORD BEARS SOUTH 28°18'22" EAST, 36.56 FEET) TO A POINT; THENCE

SOUTH 09°13'58" WEST, A DISTANCE OF 107.08 FEET TO A POINT OF OF NON-TANGENT CURVATURE; THENCE

FOLLOWING THE ARC OF A CURVE TO THE RIGHT HAVING A RADIUS OF 330.24 FEET, AN ARC LENGTH OF 315.43 FEET, A DELTA ANGLE OF 54°43'34" (CHORD BEARS NORTH 48°43'42" WEST, 303.58 FEET) TO A POINT; THENCE

NORTH 80°52'23" WEST, A DISTANCE OF 12.16 FEET TO A POINT; THENCE

NORTH 80°52'20" WEST, A DISTANCE OF 210.66 FEET TO THE POINT OF BEGINNING AND CONTAINING 17.50 ACRES (762,586 SQUARE FEET) OF LAND, MORE OR LESS.



TETRA TECH
www.tetratech.com
85 Union Avenue, Suite 300
Memphis, TN 38103
PHONE: 901.523.9500 FAX: 901.523.9502

BVA PARCEL EXHIBIT

LEGENDS PARKNORTH/WEST SITE

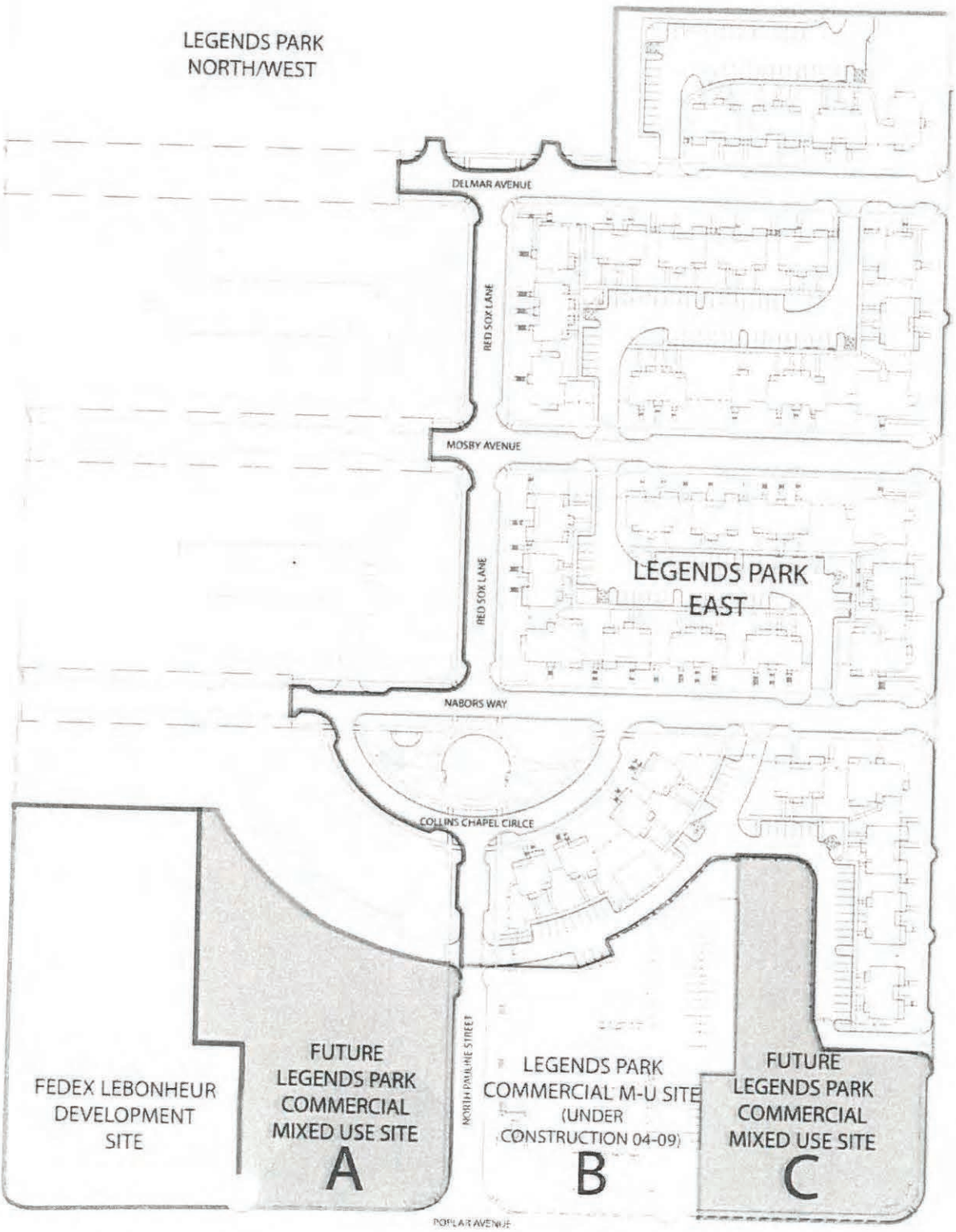
AREA: 17.50± ACRES
SCALE: 1" = 100' DATE: MAY 29, 2009
SHEET 1 OF 1

Tetra Tech, Inc. dcu
P:\2007\200-15747\2009\Legends Park\Drawings\PROPERTY DESCRIPTIONS\Parcel desc NW.dwg, 5/29/2009 11:27:45 AM, CDT

10/14

79-846

PROPOSED BVA SITES
MAY 19th, 2009



A C WHARTON, JR.
MAYOR
CITY OF MEMPHIS

GEORGE LITTLE
CAO

ROBERT LIPSCOMB
DIRECTOR/HCD
EXECUTIVE DIRECTOR/MHA

DIVISION OF HOUSING
AND COMMUNITY DEVELOPMENT
701 North Main Street
Memphis, Tennessee 38107
(901) 576-7300

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January 25, 2012

VIA CERTIFIED MAIL; RETURN RECEIPT REQUESTED

Mr. Andy Shivas
Tennessee Department of Environment and Conservation
Division of Remediation
4th Floor, L&C Annex
401 Church Street
Nashville, TN 37243

RECEIVED
FEB 0 1 2012
MEMPHIS FIELD OFFICE

Ms. Alison Campany
Tennessee Department of Environment and Conservation
Division of Remediation
Memphis Environmental Field Office
2510 Mt. Moriah Road, Suite E-645
Memphis, TN 38115-1520

REFERENCE: (1) Notice of Recorded Environmental Land Use Restriction
(2) Notice of NLUR to Local Governments
Legends Park North/ west, BVA #79-846 ("Site")
916 Poplar Street
Memphis, Shelby County, Tennessee 38105

Dear Mr. Shivas and Ms. Campany:

Pursuant to T.C.A. Section 68-212-225, this letter is to advise you that the Department-approved Notice of Land Use Restriction ("NLUR") for the above-referenced Site was recorded with the Shelby County Recorder of Deeds on January 13, 2012. A copy of the recorded NLUR is enclosed for your records.

In addition, pursuant to T.C.A. Section 68-212-225(a)(2), a copy of the recorded NLUR has been mailed to local governments having jurisdiction over any part of the subject property. Copies of the letters sent to local governments are also enclosed for your records. We will provide you with copies of the return receipts when we receive them back from the U.S. postal service.

Please feel free to contact me should you have any questions.

MEMPHIS HOUSING AUTHORITY

Robert Lipscomb
Executive Director

Enclosures

THOMPSON COBURN LLP

One US Bank Plaza
St. Louis, Missouri 63101
314-552-6000
FAX 314-552-7000
www.thompsoncoburn.com

January 25, 2012

Crystal M. Kennedy
314-552-6168
FAX 314-552-7168
ckennedy@
thompsoncoburn.com

Mr. Andy Shivas
Tennessee Department of Environment
and Conservation
Division of Remediation
4th Floor, L&C Annex
401 Church Street
Nashville, TN 37243

Alison D. Campany
Tennessee Department of Environment
and Conservation
Memphis Environmental Field Office
8383 Wolf Lake Drive
Bartlett, TN 38133

Re: Recorded Notice of Land Use Restriction – Legends Park North/West

Dear Andy and Alison:

Enclosed for your file is a copy of the Notice of Land Use Restriction that was recorded with the Office of the Shelby County Register on January 13, 2012.

Please let me know should you have any questions.

Very truly yours,

Thompson Coburn LLP

Crystal M Kennedy

By
Crystal M. Kennedy

CMK/bac

Enclosure

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JAN 30 2012
MEMPHIS FIELD OFFICE

This instrument was prepared by:

Monice Moore Hagler
Fearnley Califf Martin McDonald & Hagler
81 Monroe Suite 200
Memphis, Tennessee 38103

NOTICE OF LAND USE RESTRICTIONS

Notice is hereby given that pursuant to T.C.A. § 68-212-225 of the *Hazardous Waste Management Act of 1983*, the Commissioner of the Tennessee Department of Environment and Conservation ("TDEC") has determined that land use restrictions are an appropriate remedial action at the below-described property. Pursuant to T.C.A. § 68-212-225(d), the register of deed shall record this Notice and index it in the grantor index under the names of the owners of the land.

Witnesseth:

WHEREAS, the Memphis Housing Authority, a public body organized and existing under active laws of the State of Tennessee ("Grantor") is the owner of an approximate 17.50-acre parcel of real property known as "Legends Park-North/West" (once known as Dixie Homes) located in Memphis, Tennessee 38126, as recorded in Parent Deed Book 3094, Page 267 (Tax Parcel 05101700001) and also part of the Memphis Housing Authority Property as recorded in Instrument No. H2-2047 (Tax Parcel 05101700002), in the Register of Deeds Office, Shelby County and legally described in Exhibit A hereto (such property hereinafter referred to as the "Site,"); and

WHEREAS, Grantor, along with McCormack Baron Salazar, Inc., a Missouri corporation, Community Capital LLC, a Tennessee limited liability company, Legends Park West, L.P., a Tennessee limited partnership and Legends Park North, L.P. (formerly known as Legends Park L.P.), a Tennessee limited partnership (collectively, "Voluntary Party") entered into a Brownfield Voluntary Agreement #79-846 dated September 9, 2010 ("Brownfield Voluntary Agreement") with TDEC pursuant to Tennessee Code Annotated §68-212-224 for the purpose of addressing the real or perceived threat of the presence on the Site of hazardous substances, solid waste or other pollutants; and

WHEREAS, in accordance with work plans approved by TDEC and the terms of the Brownfield Voluntary Agreement #79-846, the Site has been investigated and remediated to levels acceptable for residential use; and

WHEREAS, pursuant to the Brownfield Voluntary Agreement the Grantor has agreed to impose certain land use restrictions on the Site as set forth hereinafter and has agreed to preserve and maintain these restrictions.

NOW, THEREFORE, in consideration of the foregoing, the Grantor hereby declares that the Site should be held, sold, and conveyed subject to the following land use

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JAN 30 2012
MEMPHIS FIELD OFFICE

restrictions. Said land use restrictions shall run with the land and shall be binding on all parties having any right, title or interest in the Site or any part thereof, their heirs, successors, successors-in-title, and assigns, and shall inure to the benefit of each owner thereof and to TDEC and the respective successors and assigns of such parties:

Description of Affected Property (the Site):

The Site is approximately 17.50 acres and is located in Memphis, Tennessee. A legal description of the Site is attached hereto as **Exhibit A** and a map showing the Site is attached hereto as **Exhibit B**.

Land Use Restrictions:

Grantor imposes the following restrictions:

1) The installation of groundwater wells and use of groundwater at, on, under or from the Site is prohibited, except for monitoring or remediation. Prior to any installation of water wells or use of groundwater (other than for monitoring or remediation), the Grantor, its successors, and/or assigns must obtain approval in writing from TDEC.

2) Structures located on Block "D," Block "F" and "Block H" at the Site, in the areas shown on **Exhibit C** ("VMS Areas"), have been equipped with a vapor mitigation system in accordance with the Department-approved work plan entitled "General Specifications for Sub Slab Vapor Barrier and Venting System," dated October 1, 2008 ("Vapor Mitigation System Workplan") as a precautionary measure to prevent the potential for vapors to accumulate in such structures. No one shall disturb or remove any vapor mitigation system at any such structure at the Site, unless first approved in writing by TDEC and pursuant to an approved work plan. Any future replacement structures and any new structures within the VMS Areas shall be equipped with a vapor mitigation system in accordance with the Vapor Mitigation System Workplan or as otherwise approved in writing by the Department.

3) As shown on **Exhibit D**, all known PAH- contaminated soils at the Site have been covered with at least two (2) feet of clean soil fill and an orange plastic witness barrier has been placed below the clean soil to clearly identify the depth below which the contaminated soil is located. These soils must be managed in accordance with the Soil Operations and Maintenance Plan approved by TDEC by letter of November 8, 2011. Any PAH-contaminated soil identified during future development activities at the Site must be managed in accordance with the performance-based approach set forth in the June 19, 2009 letter from Robert A. Binford, Director, Division of Remediation to Robert Lipscomb, Executive Director of the Memphis Housing Authority (which has been incorporated into the Department-approved Soil Operations and Maintenance Plan).

4) Any soils discovered in the future to be impacted with contaminants other than PAHs must also be managed in accordance with a Department-approved soil management plan.

Any approval granted by TDEC for restricted uses shall be in writing, must contain a reference to this instrument, and shall be available for review in a file maintained on the Site or at the offices of the Memphis Housing Authority. Any person or entity that petitions the Department for approval of restricted uses or seeks to cancel or make a Restriction less stringent shall be responsible for any costs incurred by the Department in the review and oversight of work associated with the restriction modification.

Any person or entity owning, leasing, occupying or otherwise using the Site subsequent to the date of this Notice of Land Use Restriction is hereby deemed to have covenanted and agreed not to sue and to have waived and released all rights that such person or entity may have against each Voluntary Party, and each of their parents, subsidiaries, affiliates, successors and assigns and their shareholders, officers, directors, employees and agents for any and all claims, damages, losses, costs and expenses in any way arising out of or in connection with the environmental condition of the Site or the environmental condition of any off-site areas ever affected by the Site, including, but not limited to, claims arising under common law and claims arising under the Comprehensive Environmental Response, Compensation and Liability Act of 1980, as amended, or any other federal, state or local statute, regulation or ordinance designed to protect public health or the environment.

Grantor and any successor in title to the Property shall cause all grants, leases and other written transfers of interests in the Property to contain a provision expressly requiring all holders of such interests in the Property to accept such interests subject to the use restrictions, covenants, requirements and releases set forth in this Notice of Land Use Restrictions and not to violate any term or condition of this Notice of Land Use Restrictions. Nothing contained in this Paragraph shall be construed as limiting any obligation of the holder of an interest in the Site to provide any notice required by or pursuant to any federal, state or local law, regulation or ordinance.

Amendment and Termination

This Notice of Land Use Restrictions may be made less stringent or terminated by the Commissioner of TDEC if the risk has been eliminated or reduced so that less restrictive or no land use controls are protective of human health and the environment. No amendment to or termination of this Notice of Land Use Restrictions shall be effective until such amendment or instrument terminating this Notice of Land Use Restrictions is recorded in the Shelby County Register of Deeds.

Enforcement

Any owner of the Site, any unit of local government having jurisdiction over any part of the Site or any person or entity eligible for liability protection under the Brownfield Voluntary Agreement may enforce this Notice of Land Use Restrictions by

means of a civil action. The Commissioner of TDEC may enforce this Notice of Land Use Restrictions through the issuance of an Administrative Order or by means of a civil action, including one to obtain an injunction against present or threatened violations of the restrictions. Pursuant to T.C.A. § 68-212-213, any person who fails, neglects or refuses to comply with a land use restriction commits a Class B misdemeanor and is subject to the assessment of a civil penalty of up to ten thousand dollars ($10,000) per day.

Term

This Notice of Land Use Restrictions shall run with and bind the Site.

Severability

Invalidation of any of these covenants or restrictions by judgment or court order shall in no way affect any other provisions, which shall remain in full force and effect.

IN WITNESS WHEREOF, the undersigned has executed this Notice of Land Use Restrictions this 9th day of January, 2012.

Grantor: MEMPHIS HOUSING AUTHORITY

By: _____
Robert Lipscomb
Executive Director

STATE OF SHELBY
COUNTY OF TENNESSEE

Before me, a Notary Public of the state and county aforesaid, personally appeared Robert Lipscomb, with whom I am personally acquainted (or proved to me on the basis of satisfactory evidence), and who, upon oath, acknowledged himself to be Executive Director of Memphis Housing Authority, a Tennessee public body, corporate and politic under the Housing Authority Laws of the state of Tennessee, the within named bargainor, and that he as such Executive Director, executed the foregoing instrument for the purpose therein contained, by signing the name of the Memphis Housing Authority by himself as Executive Director.

WITNESS MY HAND AND SEAL, at office in Memphis, Tennessee, this 9 day of January, 2012.

79-846 Dixie Homes
Soils O & M Plan 2012

SLOSKY & COMPANY, INC.

SOIL OPERATIONS AND MAINTENANCE PLAN

For Legends Park North/West
Memphis, Tennessee
TDEC Site Number: 79-846
(Formerly Dixie Homes)

Prepared by:

Slosky & Company Inc.
303 E. 17th Avenue, Suite 1080
Denver, Colorado 80203-1264

Prepared for:

Memphis Housing Authority
McCormack Baron Salazar, Inc.
McCormack Baron Ragan, Inc.
Community Capital LLC
Legends Park West, L.P.
Legends Park North, L.P.

February 20, 2012

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1.0 Executive Summary

Legends Park North/West in Memphis, Tennessee is part of a large scale redevelopment and improvement program led by the Memphis Housing Authority (MHA). This Soil Operations and Maintenance (O&M) plan is focused on a portion of Legends Park called "Legends Park North/West" as shown in Figure 1 below, and provides practical guidance for management of soil contamination buried at-depth.

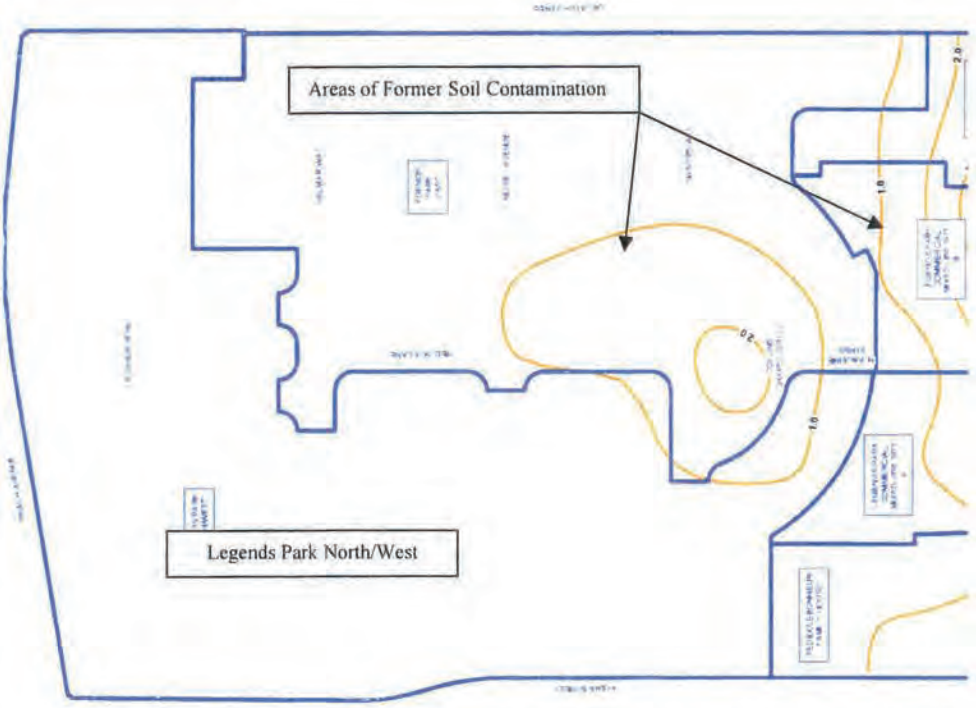


Figure 1: A Portion of Legends Park, and the Location of Legends Park North/West

Legends Park is built on land formerly occupied by the Dixie Homes public housing development and is currently owned by MHA. Historically used for cotton farming, and subsequently for a school, harness shop, and residences, surface soil at Legends Park was found during pre-construction investigation activities to be contaminated with polyaromatic hydrocarbons, lead, and asbestos. As shown in Figure 1 above, polyaromatic hydrocarbon and lead contaminants were concentrated to the south towards Poplar Avenue. Asbestos contamination (not shown in Figure 1) was found distributed in localized areas across Legends

Park. All soils with detectable levels of asbestos were removed and shipped off-site for disposal. Polyaromatic hydrocarbon and lead contaminated surface soils were removed, temporarily stockpiled, and subsequently used as geotechnically suitable fill as needed across Legends Park, to include beneath Legends Park North/West. Beneath Legends Park North/West, the contaminated soil is located at least two feet below final grade, and most areas, is located more than four feet below the current grade. The contaminated soil is separated from overlying clean soil by a brightly-colored orange witness barrier so that the exact location of contaminated soil is readily identifiable.

MHA, in collaboration with its development partner McCormack Baron Salazar, Inc. (MBS) and with the approval of the Tennessee Department of Environment and Conservation (TDEC), has constructed Legends Park North/West to protect public health and the environment from this impacted soil.

Two entities operate properties at Legends Park North/West: senior housing on the northwestern portion of the property, and multifamily mixed income to the west and south. In addition, portions of Legends Park North/West remain undeveloped as of the date of this O&M. This O&M plan has been designed to inform both senior housing and multifamily property management, as well as future real estate developers and construction companies, of the history of Legends Park North/West and the controls and procedures to implement to prevent exposure to the buried environmentally-impacted soil.

With the information, controls, and procedures presented in this O&M, property management and future developers are equipped to maintain a safe environment for residents and workers.

2.0 Scope and Application

Soil disturbance below two feet below the ground surface (bgs) in the designated areas of Figures 2 through 5 has the potential to intersect soil impacted by polyaromatic hydrocarbons at levels exceeding the Tennessee Department of Environment and Conservation standard of 1 mg/kg benzo(a)pyrene equivalent toxicity (BEQ) standard. Impacted soils are located at least two feet bgs and nearly always at least four feet bgs at Legends Park North/West. This O&M

Plate 1: Witness Barrier Placement

Plate 2: Witness Barrier as Seen in a New Trench

Surface soil across all of Legends Park North/West has been tested to ensure that the soil meets standards determined to be safe for residents and visitors. In addition, new subsurface utilities have all been placed in clean soil.

Contaminated soils are located at least two feet bgs. However, to provide an adequate margin of safety, the administrative controls specified in this Soil O&M are required for any soil disturbance below two feet bgs within the designated areas.

When intrusive activities occur below two feet bgs in the designated areas, to prevent contact by workers, residents, and visitors, impacted and potentially-impacted soil must be managed separately from clean soil. This Soil O&M Plan provides guidance for property management if impacted or potentially-impacted soil below two feet bgs might be disturbed. The requirements of this Soil O&M must be followed to prevent human exposure to the impacted soil.

3.0 O&M Program Overview

As required by TDEC, this Soil O&M has been prepared to protect workers, residents, and visitors at Legends Park North/West. The location of the impacted soil at Legends Park North/West is shown in Figure 2. Construction details, showing more precise depths to the witness barrier, are presented in series of Figures 3 through 5, attached as Appendix A to this Soil O&M.

3.1 History of the Property

Legends Park North/West was initially developed for agricultural and residential use. In the 1890s, cotton was farmed on the north and an open bayou crossed the site on the southwest. The northeastern portion of the property supported apparent single-family homes in the beginning of the 20th Century, and a school complex to the north of the property extended into what is now Legends Park North/West; the school complex and much of the single family homesteads were apparently razed for the construction of Interstate 40, which abuts the property to the north. In

the 1930s, the property and the surrounding area were redeveloped into a public housing complex and surface water drainage in the bayou was directed through a subsurface culvert. The housing complex was abandoned in 2006 and demolished in 2007 in preparation for redevelopment for mixed use and mixed-income housing.

3.2 Previous Environmental Investigations/Findings

Environmental investigations of Legends Park North/West soil identified contamination by asbestos and polyaromatic hydrocarbons.

Gasses present in the Site's underlying soil were tested prior to development, but exceedances over ambient air (breathing) standards were not observed. However, exceedances of breathing air guidelines were observed on properties to the immediate south of Legends North/West. In addition, groundwaters immediately south of Legends North/West were contaminated by chlorinated solvents. The chlorinated solvents likely originate from properties south of Poplar Avenue, possibly from a clothing dry cleaner.

3.3 Previous Remedial Activities/Results/Controls Implemented

Soil contaminants were managed under the supervision of TDEC, Department of Remediation (DoR). The asbestos-contaminated soil was shipped off-site for proper management. Polyaromatic hydrocarbon contaminated soil was removed, temporarily stockpiled on the south and southeastern areas of Legends Park North/West, and was subsequently used as geotechnically suitable backfill in areas near and adjacent to the former bayou. The soils were subsequently covered with a witness barrier and clean soil cap to prevent worker and resident contact in the future.

Given the presence of aromatic hydrocarbons in soil-gas above ambient (breathing zone) standards, and contaminated groundwater on properties immediately south of Legends Park North/West, pre-emptive vented soil-gas barriers were installed beneath buildings south of

Delmar Avenue. Buildings to the north of Delmar Avenue were not required by DoR to have soil-gas barriers; soil-gas and groundwater contamination is located more than 500 feet away from Delmar Avenue.

TDEC/DoR requires the following engineering and administrative controls on Legends Park North/West:

- A ban on installation of groundwater wells and use of groundwater at the Site, except for environmental monitoring.
- A requirement to not disturb or remove the vapor mitigation systems where installed beneath buildings unless first approved by TDEC.
- In areas requiring soil-gas vapor barriers, any new or replacement structures must be equipped with an equivalent or better vapor mitigation system.
- Preparation of a Soil O&M plan that will alert on-site management to procedures to be followed if deep soil in the designated areas on the southwest portion of the site is disturbed.
- Any soils discovered to be contaminated with contaminants other than PAHs must be managed in accordance with a Department-approved soil management plan.

To provide an adequate margin of safety, this O&M provides requirements if soil disturbance activities extend deeper than two feet bgs in designated areas shown Figures 2 through 5.

3.4 Current Environmental Status

The environmental investigation and remediation at Legends Park North/West was conducted with the oversight of TDEC pursuant to a Brownfields Voluntary Agreement. TDEC/DOR issued a "No Further Action" determination for Legends Park North/West on February 17, 2012, which requires that the controls in this Soil O&M be implemented at the Site. A copy of the "No Further Action" determination is presented in Attachment 1 to this Soil O&M.

4.0 Legends Park North/West Information/Program Personnel

4.1 Legends Park North/West Address

Legends Park North/West Management Office
198 North Pauline Street
Memphis, Tennessee 38105

4.2 Legends Park North/West Program Manager

Program Manager:
Octavia L. Johnson, Memphis Area Manager
McCormack Baron Ragan Management Services, Inc. (MBR)
Octavia.Johnson@McCormackBaron.com
(901) 337- 8489

5.0 Regulatory Requirements

Legends Park North/West is regulated under a combination of state and federal environmental regulatory requirements.

5.1 State Environmental Requirements

In the event that impacted soil is disturbed, the following Tennessee environmental regulations and rules may apply:

- Tennessee Department of Environment and Conservation, Division of Remediation, Hazardous Substance Remedial Action, Final Operations and Maintenance Plan, 1200-01-13-.12.

- Tennessee Department of Environment and Conservation, Division of Solid Waste Management, Chapter 1200-1-8, Solid Waste Processing and Disposal.
- Tennessee Department of Environment and Conservation, Division of Underground Storage Tanks, Chapter 1200-01-015, Underground Storage Tank Program.

This Soil O&M satisfies the requirements of TDEC Rule 1200-01-13-.12. to protect public health and the environment. Section 8 of this O&M presents a crosswalk identifying where the TDEC regulatory requirements are addressed in this O&M if soils in the Designated Area below two feet bgs will be disturbed. Property management must engage a qualified environmental consultant to assure compliance with the requirements of TDEC Rules 1200-1-8 and 1200-01-015.

5.2 Occupational Safety and Health Administration (OSHA)

Both the federal government and the state of Tennessee have issued safety standards that apply if impacted soil is managed.

5.2.1 Tennessee OSHA

Activities that disturb impacted or potentially impacted soil must be conducted in compliance with Tennessee OSHA requirements, including but not limited to:

- Tennessee Department of Labor and Workforce Development, Occupational Safety and Health, 0800-01-01, Occupational Safety and Health Standards for General Industry.
- Tennessee Department of Labor and Workforce Development, Occupational Safety and Health, 0800-01-03, Occupational Safety and Health Record-keeping and Reporting.
- Tennessee Department of Labor and Workforce Development, Occupational Safety and Health, 0800-01-04, Occupational Safety and Health Inspections, Citations, and Proposed Penalties.

- Tennessee Department of Labor and Workforce Development, Occupational Safety and Health, 0800-01-05, Safety and Health Provisions for the Public Sector.
- Tennessee Department of Labor and Workforce Development, Occupational Safety and Health, 0800-01-08, Discrimination Against Employees Exercising Rights Under the Occupational Safety and Health Act of 1972.
- Tennessee Department of Labor and Workforce Development, Occupational Safety and Health, 0800-01-09, Hazardous Chemical Right to Know.

5.2.2 Federal OSHA

Activities that disturb impacted or potentially-impacted soil must be conducted in compliance with federal OSHA requirements, including but not limited to:

- 29 CFR 1910 – OSHA General Industry Standard.
- 1910.1200, Hazard Communication – Notification of Hazards to Employees.
- 1910 Subpart I, Personal Protective Equipment.
- 1910.134, Respiratory Protection.
- 1910.1000, Air Contaminants – PELs.

In the event that impacted or potentially-impacted soil has been or will be disturbed, the Program Manager is responsible for obtaining support from a qualified environmental consultant as described in Section 5.3.3 of this O&M to assure compliance with OSHA requirements.

5.3 U.S. Environmental Protection Agency (USEPA)

Management of impacted soil and its shipment for off-site disposal must be conducted in compliance with USEPA requirements including but not limited to:

- 40 CFR 261.2, Solid Waste.

The Program Manager must confirm that:

- Any testing requirements of the off-site facility have been satisfied.
- The facility has confirmed in writing that they can accept soil containing polyaromatic-hydrocarbon contamination.
- If the facility requires a signed waste profile, the profile must be signed by MHA.

6.0 Responsibilities

6.1 Memphis Housing Authority Responsibilities

The Memphis Housing Authority is responsible for providing a copy of this Soil O&M Plan to the following entities:

- Memphis Light, Gas & Water Division (MLGW)
- Memphis Street Department
- Any other city or county utility
- Land developer for future Legends Park North/West improvements
- construction company or grading contractor for future Legends Park North/West improvements
- Any other public or private entity

These entities may have the right to perform soil disturbance activities within the designated area (including but not limited to rights-of-way) without advance notice to or consent of MHA or the MBR Program Manager. MHA is responsible for notifying MLGW, the Street Department, and such other entities in writing of the need for them to comply with the Soil O&M Plan during any soil disturbance activities within the designated area. MHA is responsible for providing the Program Manager with a list of the entities that it notifies and the name, address, and telephone number of the contact person for each such entity.

6.2 Worker Responsibilities

All property maintenance workers, landscape contractors, and other contractors engaged in soil disturbance activities below the depth of two feet in the designated areas must obtain specific authorization from the Program Manager.

All property maintenance workers, landscape contractors, and other contractors engaged in soil disturbance activities at depths greater than two feet bgs in the designated areas must read and sign the Worker Notification Form in Attachment 2.

6.3 Program Manager Responsibilities

The Program Manager is responsible for:

- Conducting training for all property maintenance personnel working at depths greater than two feet bgs in the designated areas.
- Obtaining a signed confirmation from each trainee that their training was completed.
- Providing a copy of this Soil O&M to all contractors working at depths greater than two feet bgs in the designated areas.
- Obtaining a signed confirmation from all contractors working at depths greater than two feet bgs in the designated areas that they are aware of their obligations under this Soil O&M.
- Engaging a qualified environmental consultant in the event that impacted soil has been or will be disturbed.
- Engaging a qualified environmental consultant in the event that newly identified contamination has been or will be disturbed.
- Engaging a qualified oversight consultant in the event the services of an environmental consultant are required. As of the date of this Soil O&M, the qualified oversight contractor is Slosky & Company.
- Maintaining the records required by this Soil O&M.

6.3.1 Program Manager Training

The Program Manager must read this Soil O&M and its attachments and must confirm his/her review and acceptance of the Soil O&M assigned responsibilities by signing the form presented in Attachment 3 to this Soil O&M.

6.3.2 Notifications by the Program Manager

The Program Manager or his/her designate is responsible for providing the notifications listed below.

6.3.2.1 Legends Park North/West Employee Notification

Property management/maintenance employees that will disturb deep soil beneath two feet bgs in the designated areas are not permitted to do so unless approved in advance by the Program Manager. Employees will be notified of this restriction using the form presented in Attachment 2.

6.3.2.2 Contractor Notification

Except as provided in Section 6.1 of this O&M (Memphis Housing Authority Responsibilities), the Program Manager is responsible for providing this Soil O&M to contractors disturbing soil below two feet bgs in the designated areas.

If new backfill is required, the soil must be pre-qualified by testing to assure that the soil meets Tennessee residential action levels before the soil is imported onto the property.

Before any McCormack Baron Ragan, Inc. (MBR) employee or contractor disturbs the soil greater than two feet bgs in the designated areas, the Program Manager must issue a

permit for the work. The Permit Form presented in Attachment 4 must be completed by the Program Manager with the following information:

- Nature of the work.
- Location of the work.
- Engineering controls for the work.
- Storm water controls.
- Notification to workers.
- Personal Protective Equipment (PPE) for workers (such as OSHA Level D).
- Need for any air or personnel monitoring during the work.
- Acknowledgement, by signature, of the work supervisor acknowledging receipt and review of this Soil O&M and restrictions placed on the work by the permit.

6.3.2.3 State Notifications

The Program Manager must prepare and submit a report to TDEC/DoR if soil deeper than two feet bgs in the designated areas has been disturbed. Newly discovered contamination must be subsequently managed under a TDEC approved soil management plan.

If soil deeper than two feet bgs in the designated areas will be disturbed, the Program Manager must engage the support of a qualified environmental consultant to plan and oversee the work.

If impacted soil has been unintentionally disturbed, the Program Manager or contractor must immediately stop work. The Program Manager must engage the support of a qualified environmental consultant to plan an appropriate response and oversee the work.

Revisions to this Soil O&M must be approved by TDEC/DoR, except for:

- Change in Program Manager.

- Change in the qualified environmental consultant, their employer, or the Project Manager's oversight consultant.

6.3.3 Program Manager Selection of an Environmental Consultant

The Program Manager is responsible for obtaining support from a qualified environmental consultant for the purposes specified below. Except for the five-year review of this Soil O&M, the services of an environmental consultant should not be necessary unless employees work at depths beneath the witness barrier in the designated areas.

The services of an environmental consultant are required prior to soil disturbance beneath the witness barrier in the designated areas.

When the services of an environmental consultant are required, the lead consultant should have at least one of the following current certifications or registrations:

- Certified Hazardous Materials Manager (CHMM).
- Certified Industrial Hygienist (CIH).
- Registered Environmental Assessor (REA).
- Professional Geologist (PG) with at least five years of relevant environmental management experience.
- Professional Engineer (PE) registered in the state of Tennessee, with at least five years of relevant environmental management experience.
- Diplomate of the American Board of Toxicology (DABT).

6.3.4 Oversight of the Program Manager

The Program Manager's selection of environmental consultant is subject to review and approval by the oversight consultant. A of the date of this Soil O&M, the oversight consultant is Slosky & Company, Inc. at (303) 825-1911.

6.3.4.1 Pre-work Submittals for Disturbance of Contaminated Soils

The environmental consultant's Scope of Work shall be submitted to Slosky & Company for review and approval prior to engagement.

6.3.4.2 Submittals during Disturbance of Contaminated Soils

The environmental consultant should submit weekly reports of their field activities to the Program Manager and Slosky & Company.

6.3.4.3 Post-Work Submittals Documenting Proper Management of Contaminated Soil

In the event that the polyaromatic-hydrocarbon-impacted soil in the designated areas has been disturbed, either intentionally or unintentionally, the environmental consultant must prepare a post-work submittal that includes the following elements to Slosky & Company for review and approval:

- A rationale for the disturbance.
- Narrative describing on-site activities.
- Results of any air monitoring performed.
- Results of any confirmation sampling performed.
- Certification from the consultant that any off-site disposal facility that received polyaromatic hydrocarbon-impacted soil was properly permitted to accept the soil.
- Shipping papers (such as bills of lading or manifests) for any impacted soil shipped for disposal.
- Certification from the environmental consultant that any impacted soil was shipped for proper off-site disposal in compliance with federal and state regulatory requirements.

6.3.5 Program Manager Inspections

The Program Manager must perform an annual surveillance of property operations. The surveillance will consist of interviewing the field supervisor(s) of any maintenance crew or contractor that has disturbed soil since the date of the last inspection to determine if soil beneath the witness barrier in the designated areas has been disturbed.

If either the visual inspection or the interviews establish that soil beneath the witness barrier in the designated areas has been disturbed, or if impacted or potentially impacted soil has been disturbed anywhere on the property and has not been properly reported, the Program Manager must promptly engage the services of an environmental consultant to determine the best path forward.

6.4 Qualified Environmental Consultant Obligations

6.4.1 Qualified Environmental Consultant Training

The qualified environmental consultant must read this Soil O&M and must confirm his/her review and acceptance of the Soil O&M assigned responsibilities by signing the form presented in Attachment 6 to this Soil O&M.

6.4.2 Qualified Environmental Consultant Responsibilities

The qualified environmental consultant is responsible for:

- Completing the five-year reviews of the Soil O&M to determine current regulatory requirements and, as necessary, updating this Soil O&M.

- Assuring that applicable federal, state, and O&M requirements are being followed by contractor(s) in the event that the polyaromatic-hydrocarbon-impacted soil or soil impacted with hazardous substances is disturbed.
- Determining the best path forward in the event that polyaromatic-hydrocarbon-impacted soil or soil impacted with hazardous substances has been inadvertently disturbed, and complying with the June 19, 2009 correspondence from TDEC (enclosed in Attachment 1) in the event that newly identified contamination is disturbed.

6.5 Waste Management

The on-site use of working soil excavated from below two feet bgs in the designated areas is prohibited unless it can be placed back below two feet bgs within the designated areas.

Soil that cannot be placed back on-site must be characterized to meet regulatory and receiving facility requirements prior to shipment for treatment or disposal off-site.

6.6 O&M Program Updates and Modifications

Every five years (beginning in 2016) this Soil O&M will be reviewed by a qualified environmental consultant for the following:

- Changes to Tennessee environmental regulations that affect the property.
- Changes to applicable state and federal OSHA regulations.
- Need for modifications to the Soil O&M that were dictated by soil management activities that occurred in the prior five years.

If state or OSHA requirements have changed or if on-site operations have identified a need for modifications to this Soil O&M, then the consultant must revise this Soil O&M to effect the necessary changes.

Revisions can take the form of:

- A brief addendum.
- If the necessary changes are large or if an addendum is not feasible, a revised Soil O&M shall be prepared.

Any revisions to this Soil O&M beyond those allowed in Section 5.3.2.3 of this Soil O&M must be submitted in draft to the Program Manager and Slosky & Company, Inc. for review and approval prior to finalization.

6.7 Record Keeping

A signed copy of the Program Manager's acknowledgement of responsibilities must be submitted by the Program Manager to TDEC/DoR.

Copies of the records required by this O&M, as well as any records required by an environmental consultant or contractor, must be maintained by MBR. Records must be made available to TDEC/DoR upon their request. In the event that contaminated soils are managed, a copy of all project records must be submitted to TDEC/DoR within approximately two weeks after their finalization.

6.8 Summary of Program Manager Responsibilities

A summary of the Program Manager responsibilities is presented below.

- The Program Manager must review this Soil O&M and acknowledge his/her responsibilities by reviewing and signing the form in Attachment 3.

- The Program Manager must send a signed copy of attachment 3 to TDEC/DoR.

- The Program Manager must conduct and document training of all property employees and contractors engaged in soil disturbance activities beneath the witness barrier in the designated areas and obtain certification of training by having property employees and site contractors sign the form in Attachment 2.

- The Program Manager must issue permits for all soil disturbance activities beneath the witness barrier in the designated areas.

- In the event that the impacted soil anywhere on sight is accidentally disturbed, the Program Manager must stop work, secure the area, prevent further disturbance of impacted soil, and immediately obtain the support of a qualified environmental consultant. Newly discovered contamination must be managed under a TDEC approved soil management plan.

- In the event soil beneath the witness barrier in the designated areas needs to be disturbed, the Program Manager must obtain the support of a qualified environmental consultant to plan the work, oversee the work, and report on the work.

- The Program Manager must ensure that the environmental consultant's workproducts are reviewed, and approved, by an oversight consultant.

- For any shipment of impacted soils to an off-site facility, the Program Manager must confirm that the receiving facility testing requirements have been satisfied. The Program Manager must also obtain confirmation in writing that the disposal facility can accept soil impacted with polyaromatic hydrocarbons.

- All project records relating to disturbance of impacted soils must be submitted to TDEC/DoR within two weeks after their finalization.

- The Program Manager must conduct all surveillances and complete the form in Attachment 5.

- The Program Manager must retain a qualified environmental consultant every five years to review this Soil O&M and update it as necessary.

7.0 Crosswalk with TDEC rules found in the 1200-1-13-.12, "Final Operations and Maintenance Plan"

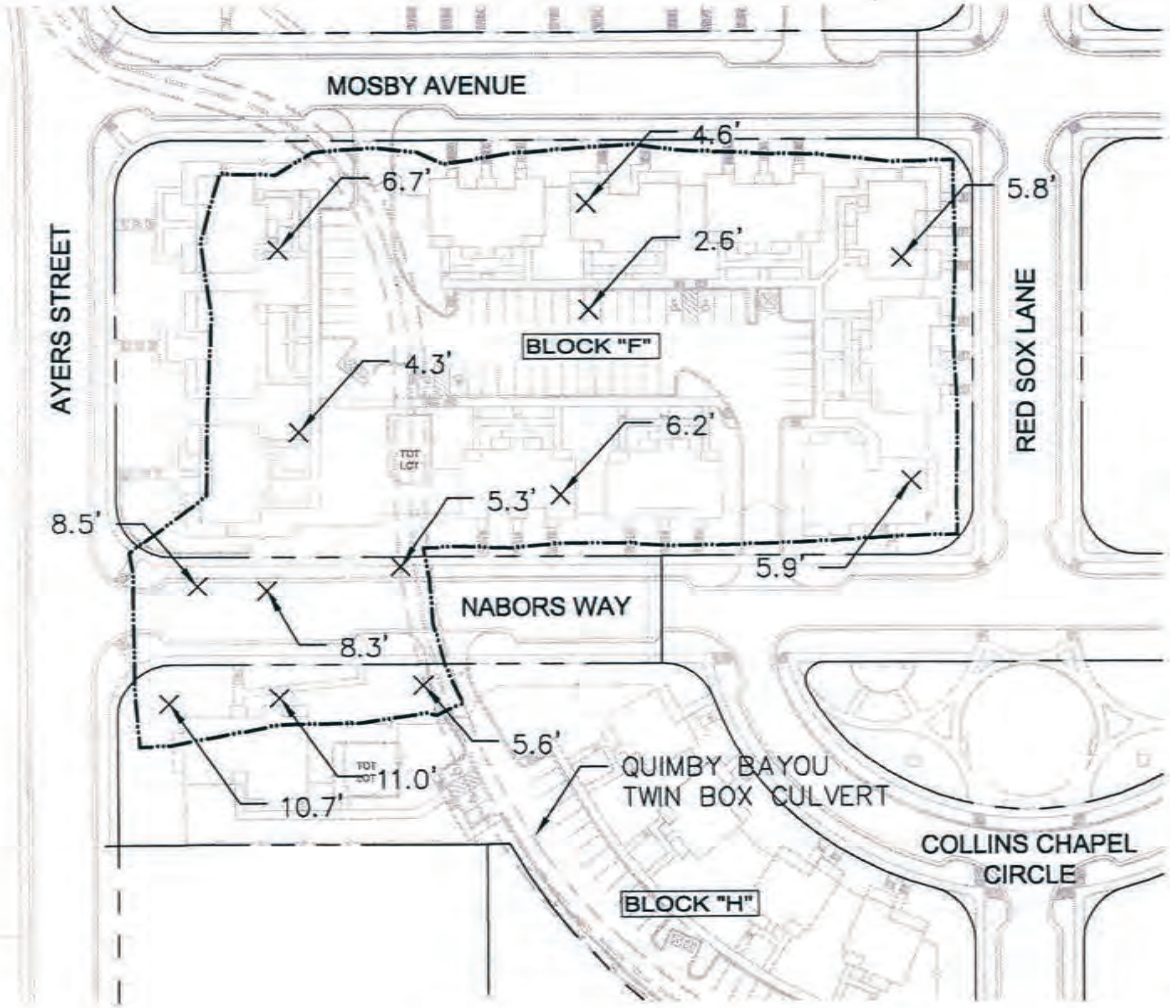
To assure compliance with TDEC post-construction management requirements, the following crosswalk has been prepared.

TABLE 1
CROSSWALK BETWEEN TDEC REQUIREMENTS AND
LEGENDS PARK NORTH/WEST SOIL O&M

Rules of TDEC, Chapter 1200-1-13-.12	Soil O&M Section Numbers
(a) Description of tasks for operation	Section 5
(b) Description of tasks for maintenance	Not Applicable (NA)
(c) Description of prescribed treatment	NA
(d) Description of monitoring tasks	Section 5.2.5
(e) Description of required laboratory testing	Sections 4.3, 5.2.2.2, 5.4
(f) Equipment necessary to operate, maintain, and monitor the property for tasks (a) through (e) above	NA
(g) Schedule of the frequency of the required tasks (a) through (e) above	Section 5.2.3
(h) Contingency plan for emergencies and unforeseen deviations from the O&M plan	Sections 5.2.2.3, 5.2.3, and 5.2.4.3
(i) Other items as deemed necessary by the department.	NA

8.0 Figures

Figure	Description and Location
3	Designated Area Detail, Block F and NW Portion of Block H, Bounded by Mosby Avenue to the north, Red Sox Lane to the east, and Ayers Street to the west; partially bounded by Nabors Way to the south.
4	Designated Area Detail, Block D, Bounded by Delmar Avenue to the north, Red Sox lane to the east, Ayers Street to the west, and Mosby Avenue to the south.
5	Designated Area Detail, Blocks B and Western 1/3 of Block A, Bounded by Peach Avenue to the north, Red Sox Lane West to the east, Ayers Street to the west, and Delmar Avenue to the south.



LEGEND

LIMITS OF WITNESS BARRIER PLACED OVER PAH–IMPACTED SOIL

5.8' DEPTH TO WITNESS BARRIER (FEET BELOW GROUND SURFACE [BGS])

NOTE: BGS ELEVATIONS BASED ON WITNESS BARRIER SURVEYS PERFORMED BY SULLIVAN SURVEYING DATED 9/3/10 AND 9/1/10, INTERIM GRADE SURVEYS PERFORMED BY SULLIVAN SURVEYING DATED 9/16/10 AND 9/2/10, AND AS–BUILT TOPO SHOTS PERFORMED BY SULLIVAN SURVEYING DATED 10/7/11.

N

GRAPHIC SCALE

100 0 50 100

(IN FEET)
1 inch = 100 ft.

TETRA TECH
www.tetratech.com
65 Union Avenue, Suite 300
Memphis, TN 38103
PHONE: 901.523.9500 FAX: 901.523.9502

Designated Area Detail

WITNESS BARRIER DEPTH BLOCK F & NW PORTION OF BLOCK H

McCORMACK BARON SALAZAR LEGENDS PARK

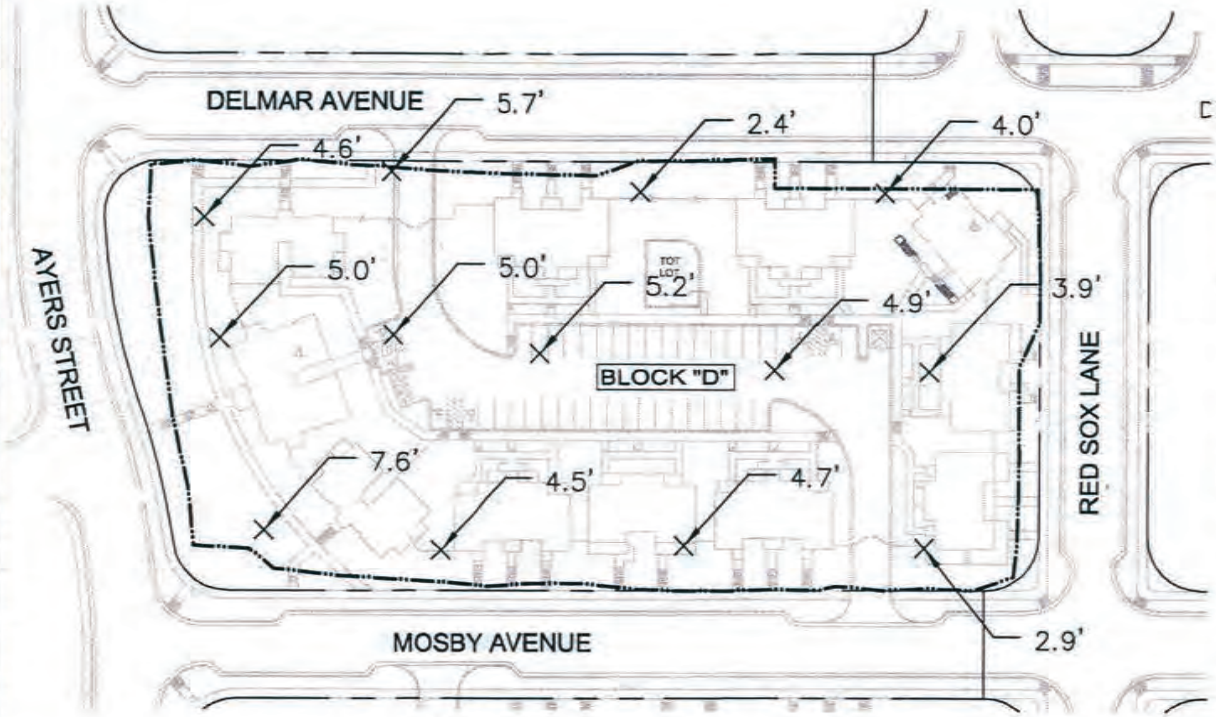
Project No.:	12006293-FY10
Date:	10/19/11
Designed By:	TAV

SOIL O&M FIGURE

3

This document shall not be altered or revised by any party. Photocopying of the original document is permissible.

10/19/2011 3:19 PM DRAWING: P:\2006\06293 12006293-FY10\CAD\SheetFiles\Task 5?\O&M-F&H .DWG LAYOUT: BLOCKS F&H USER NAME: VANDERWALKER, TIMOTHY



LEGEND

LIMITS OF WITNESS BARRIER PLACED OVER PAH–IMPACTED SOIL

5.8' DEPTH TO WITNESS BARRIER (FEET BELOW GROUND SURFACE [BGS])

NOTE: BGS ELEVATIONS BASED ON WITNESS BARRIER SURVEY PERFORMED BY SULLIVAN SURVEYING DATED 9/3/10, INTERIM GRADE SURVEY PERFORMED BY SULLIVAN SURVEYING DATED 9/3/10 AND AS–BUILT TOPO SHOTS PERFORMED BY SULLIVAN SURVEYING DATED 10/07/11.

N

GRAPHIC SCALE

100 0 50 100

(IN FEET)
1 inch = 100 ft.

TETRA TECH
www.tetratech.com
65 Union Avenue, Suite 300
Memphis, TN 38103
PHONE: 901.523.9500 FAX: 901.523.9502

Designated Area Detail
WITNESS BARRIER DEPTH
BLOCK D

McCORMACK BARON SALAZAR
LEGENDS PARK

Project No.:	12006293-FY10
Date:	10/19/11
Designed By:	TAV

SOIL O&M FIGURE
4

This document shall not be altered or revised by any party. Photocopying of the original document is permissible.

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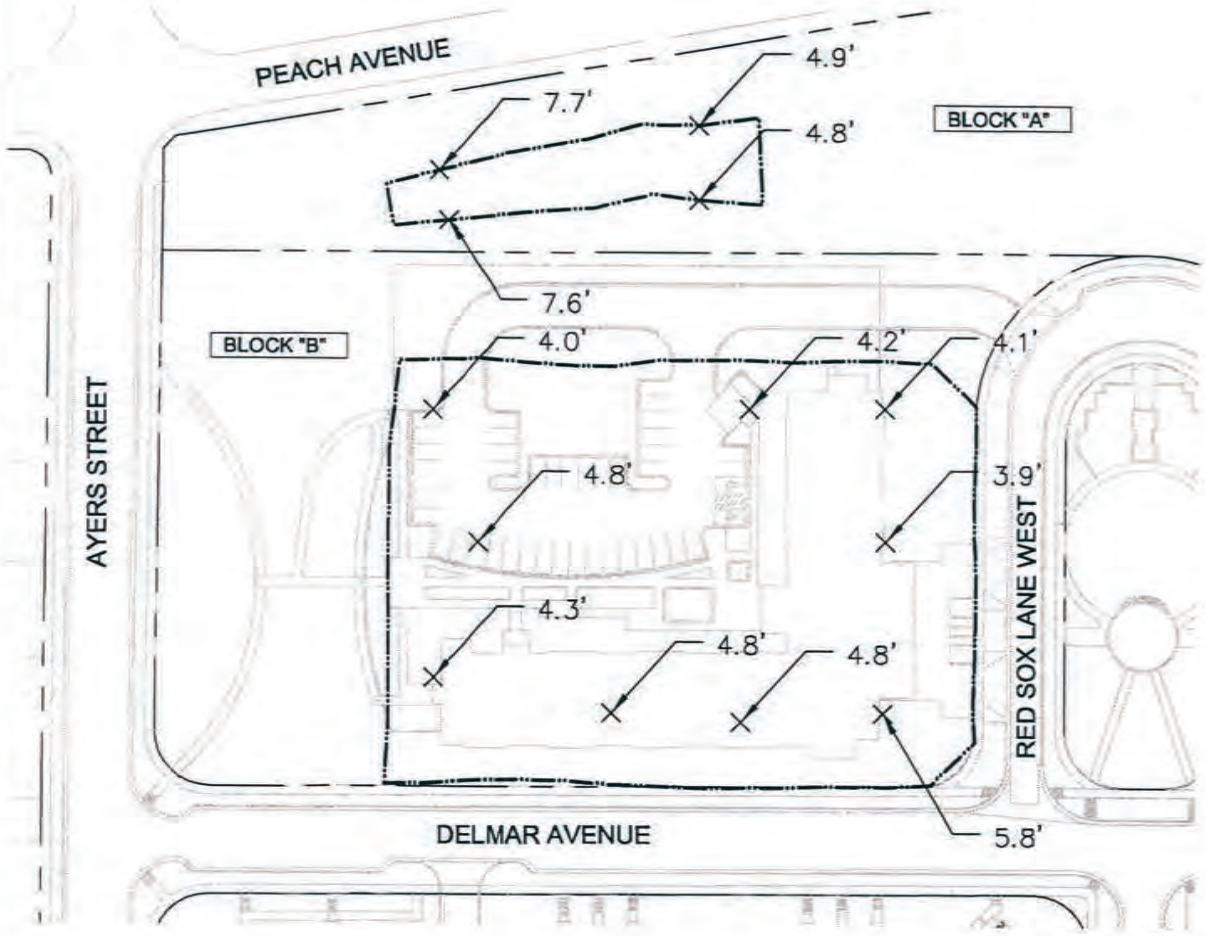


LEGEND

LIMITS OF WITNESS BARRIER PLACED OVER PAH–IMPACTED SOIL

5.8' DEPTH TO WITNESS BARRIER (FEET BELOW GROUND SURFACE [BGS])

NOTE: BGS ELEVATIONS BASED ON WITNESS BARRIER SURVEYS PERFORMED BY SULLIVAN SURVEYING DATED 9/2/10 AND 9/9/10 AND INTERIM GRADE SURVEY PERFORMED BY SULLIVAN SURVEYING DATED 8/17/11.

N

GRAPHIC SCALE

100 0 50 100

(IN FEET)
1 inch = 100 ft

TETRA TECH
www.tetratech.com
65 Union Avenue, Suite 300
Memphis, TN 38103
PHONE: 901.523.9500 FAX: 901.523.9502

Designated Area Detail

WITNESS BARRIER DEPTH BLOCKS B & WESTERN 1/3 OF BLOCK A

McCORMACK BARON SALAZAR LEGENDS PARK

Project No.:	12006293-FY10
Date:	10/19/11
Designed By:	TAV

SOIL O&M FIGURE

5

This document shall not be altered or revised by any party. Photocopying of the original document is permissible.

10/19/2011 3:22 PM DRAWING: P:\2006\06293 12006293-FY10\CAD\SheetFiles\Task 57\O&M-B&A .DWG LAYOUT: BLOCKS B&A USER NAME: VANDERWALKER, TIMOTHY

9.0 Attachments

Attachment 1	References
Attachment 2	Worker Notification
Attachment 3	Program Manager Acknowledgement of Responsibilities
Attachment 4	Work Permit
Attachment 5	Annual Inspection Form
Attachment 6	Qualified Consultant Acknowledgements of Responsibilities

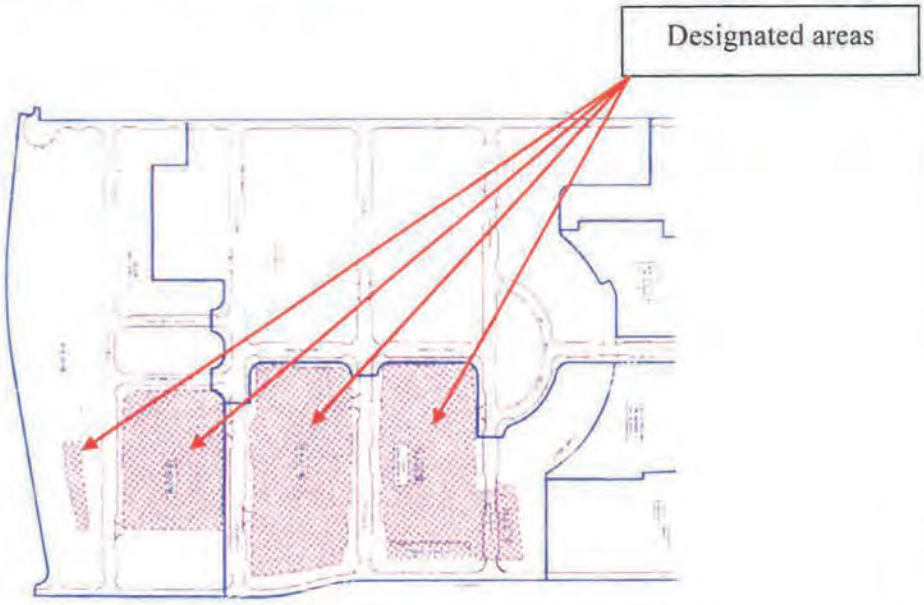
Attachment 2

Worker Notification

I, _____, know that:

PRINT NAME

- Soil beneath two feet below the ground surface in the designated areas could be impacted by polyaromatic hydrocarbons.



- I can not dig deeper than two feet below the ground surface in the designated areas shown without approval by the Legends Park North/West Program Manager:

_____ _____

Employee Signature Date

Attachment 3

Program Manager Acknowledgement of Responsibilities

I, _____, as Soil Operation and Maintenance Program Manager

PRINT NAME

For Legends Park North/West, I affirm that I have:

- Read this Soil Operations and Maintenance Manual.

I am aware of my obligation to comply with this Soil O&M.

_____ _____

Signature of Program Manager Date

Attachment 4

Work Permit

Nature of Work:

Location of Work

Engineering Controls for the Work:

Storm Water

Health and Safety Plan Distributed to Workers and Requirements for PPE

Air Monitoring Requirements

_____ _____

Signature of Program Manager Date

Attachment 5

Annual Surveillance Form

I, _____, as Soil Operation and Maintenance Program Manager,
PRINT NAME

for Legends Park North/West, affirm that I have:

- Interviewed all field supervisors of our maintenance crews and contractors disturbing soils over the previous year as required for the annual inspection pursuant to the Legends Park North/West Soil Operations and Maintenance (O&M) Plan.

I certify that no reports of impacted soil disturbance were noted.

_____ _____

Signature of Program Manager Date

Attachment 6

Qualified Consultant Acknowledgements of Responsibilities

I, _____, as a qualified Environmental Consultant, per Section
PRINT NAME

5.1.1 of this O&M, affirm that I have:

- Read this Soil Operations and Maintenance (O&M) Manual.

I am aware of my obligations to implement this Soil O&M.

_____ _____

Signature of Qualified Consultant Date

TENNESSEE DIVISION OF REMEDIATION
Engineering - Institutional Control Compliance Report Form

Site Number:	**79-846**	**Inspection Date: 12/5/15**	**Report Date: 12/29/15**
Site Name:	**Dixie Homes-Legends Park East (LPE)**	**FY Reporting:**	**2015-16**
DOR Region	**Memphis**	**Person(s) Present:**	**Jerrel Moore**
Photos Taken:	**Yes**	**Site Contact:**	
Site Address:	**916 Poplar, Memphis, TN 38105**		
GIS Coordinates:			
Directions to the site	**Start out going EAST on WOLF LAKE DR toward NEW BRUNSWICK RD** **Turn right at New Brunswick Rd** **Turn right at TN-15 W/US-64 W** **Turn left at N Germantown Pkwy** **Merge onto I-40 W via the ramp to Memphis** **Continue onto Sam Cooper Blvd** **Turn left at E Pkwy N** **Turn right toward Poplar Ave** **Destination will be on the right**		

Site Description	The former Dixie Holmes site is located at 916 Poplar Avenue, Memphis, Tennessee 38105. Dixie Homes was completed in 1938, with 81 buildings and 636 units. The site of the former Dixie Homes housing project was bounded by Poplar Avenue on the south, Ayers Street on the west, I-40 on the north and Decatur Street on the east. In recent years, settling of buildings caused structural and sewage problems. A federal HOPE VI grant in 2005 was leveraged with city, private and federal fund to redevelop the Site. On September 29, 2009, The Tennessee Department of Environment and Conversation entered into a Brownfield Voluntary Agreement with the Memphis Housing Authority. The Voluntary Party intends to develop and use the property for residential and recreational purposes. Based on the information submitted to the Department by or on behalf of the Voluntary Party, and the Department's review of submitted documents, the Parties hereto agree that the following environmental conditions have been at the Site and are addressed under the Voluntary Agreement : Groundwater Issues - Chlorinated solvents and aromatic hydrocarbons have been identified in Site groundwater, but all at concentrations less than U.S. EPA Primary Maximum Contaminant Level (MCL) Drinking Water Standards (2007) - The Voluntary Party agrees to implement and record a Department- approved deed and land use restriction prohibiting installation of shallow wells at the Site and use of on-site groundwater at the Site, except for environmental monitoring. Soil Issues - Concentrations of polyaromatic hydrocarbons (PAHs) in surface soils were below the Department's benzo (a) pyrene equivalency ("BEQ") standard of 1 mg/kg for residential land use, except for an area in the central-southwest portion of the Site. The Voluntary Party's consultant certified that all such PAH-contaminated soils were removed from the Site. - Concentrations of PAHs in subsurface soils were below the BEQ for residential use. - Lead in surface and subsurface site soils was below the EPA Region IX PRGs for residential land use. - Arsenic was detected in soils above EPA Region IX Residential PRGs, but within natural background levels. - The Voluntary Party agrees to manage any contaminated surface or subsurface soil encountered during the Site development in accordance with all applicable federal, state and local laws. If PAH-contaminated soils are identified during construction, Voluntary Party agrees to manage such soil in accordance with the performance-based set forth in the June 19, 2009 letter. If soils contaminated with contaminants other than PAHs are identified during construction, the Voluntary Party agrees to manage such soils with a Department approved soil management plan. Asbestos - Asbestos-containing materials associated with utility classes were discovered at the Site, consisting of pipe insulation within steam tunnels throughout the Site. These materials were abated and removed from the Site with the oversight of the Memphis Shelby County Health Department and a report was generated documenting the proper abatement and/or removal of the materials. - Asbestos materials within structures at the Site were removed prior to demolition of the structures with the oversight of the Memphis Shelby County Health Department and a report was generated documenting the proper abatement. - Asbestos was not identified in the surface soils. Soil Vapor Issues - The Voluntary party agrees to implement and record a Department approved land use restriction prohibiting the disturbance or removal of the vapor mitigation system installed at the Site.

Engineering - Institutional Control Description	Land Use Restriction Grantor imposes the following restrictions: 1. The installation of groundwater wells and use of groundwater at, on, under or from the Site is prohibited, except for monitoring or remediation. Prior to any installation of water wells or use of groundwater (other than for monitoring or remediation), the Grantor, its successors, and/or assigns must obtain approval in writing from TDEC. 2. Certain structures at the Site have been equipped with a vapor mitigation system to prevent the potential for vapors to accumulate in such structures. No one shall disturb, modify, damage or remove any vapor mitigation system at any structure at the Site, unless first approved in writing by TDEC and pursuant to an approved work plan. Any future replacement of such structures shall be equipped with an equivalent vapor mitigation system or, if approved in writing by TDEC, another vapor mitigation system. Any approval granted by TDEC for restricted uses shall be in writing, must contain a reference to this instrument, and shall be available for review in a file maintained on the Site. Any person or entity that petitions the Department for approval of restricted uses or seeks to cancel or make a Restriction less stringent shall be responsible for any cost incurred by the Department in the review and oversight of work associated with the restriction modification. Any person or entity owning, leasing, occupying or otherwise using the Site subsequent to the date of this Notice of Land Use Restriction is hereby deemed to have covenanted agreed not to sue and to have waived and released all rights that such person or entity may have against Voluntary Party, and each or their parents, subsidiaries, affiliates, successors and assigns and their shareholders, officers, directors, employees and agents for any and all claims, damages, losses, costs and expenses in any way arising out of or in connection with the environmental condition of the Site or the environmental condition of any off-site areas ever affected by the Site, including, but not limited to, claims arising under common law and claims arising under the Comprehensive Environmental Response, Compensation and Liability Act of 1980, as amended, or any other federal, state or local statute, regulation or ordinance designed to protect public health or environment. Grantor and any successor in the title to the Property shall cause all grants, leases and other written transfers of interests in the Property to contain a provision expressly requiring all holders of such interests in the Property to accept such interest subject to the use restrictions, covenants, requirements and releases set forth in this Notice of Land Use Restrictions. Nothing contained in this Paragraph shall be construed as limiting any obligation of the holder of an interest in the Site to provide any notice required by or pursuant to any federal, state or local law, regulated or ordinance.

Compliance Items checklist			
Maps and diagrams		**LUR's Reviewed**	**Yes**
Copy of EC / IC			
Equipment obtained		**Camera**	**Yes**
Other:			

	Yes	**No**	**Explain below**
In compliance:	X		
EC/IC Revisions Needed		X	

Comments: On December 5, 2015, Jerrel Moore conducted an Institutional Control inspection of the Site. During the inspection no drinking water wells were observed. There was no evidence that the vapor mitigation systems at any structures have been disturbed, modified, damaged or removed.
Signature: Jerrel Moore Date: 12/29/15

TENNESSEE DEPARTMENT OF ENVIRONMENT & CONSERVATION
DIVISION OF REMEDIATION
WILLIAM R. SNODGRASS TENEESSEE TOWER, 14TH FLOOR
312 ROSA L. PARKS AVENUE
NASHVILLE, TENNESSEE 37243

October 7, 2013

Mr. Robert Lipscomb
Executive Director
Memphis Housing Authority
700 Adams Avenue
Memphis, Tennessee 38105-5029

Ms. Meri Armour
President/Chief Executive Officer
Methodist Le Bonheur Healthcare
50 N. Dunlap, First Floor Administration
Memphis, Tennessee 38103

Re: No Further Action Letter for Former Dixie Homes Housing Site (FedEx Family House) Memphis, Tennessee; DoR # 79-846

Dear Mr. Lipscomb and Ms. Armour:

This letter certifies completion of the Agreed Actions to Be Taken required of Memphis Housing Authority and Methodist Healthcare - Memphis Hospitals in the Voluntary Agreement dated December 12, 2012 entered into with the Tennessee Department of Environment and Conservation to address the property located at 918 Poplar Avenue, Memphis, Tennessee. The Department shall require no further action of Memphis Housing Authority and Methodist Healthcare - Memphis Hospitals under this Agreement.

I appreciate the efforts of Memphis Housing Authority and Methodist Healthcare - Memphis Hospitals to address issues at this property. For additional or site specific information, please contact the Division of Remediation Memphis Environmental Field Office Manager, Jordan English, at 901-371-3039. If I can be of further assistance, please contact me at 615-532-0911.

Sincerely,

Robert A. Binford
Director
Division of Remediation

RECEIVED
OCT 09 2013
MEMPHIS FIELD OFFICE

cc: VOAP Files
NCO Files
MFO Files
Mr. Randall B. Womack
Mr. Gregory L. Perry
Mr. Thomas P. Brabyn

This instrument was prepared by:

Randall B. Womack
Glankler Brown, PLLC
6000 Poplar Avenue, Suite 400
Memphis, Tennessee 38119

NOTICE OF LAND USE RESTRICTIONS

Notice is hereby given that pursuant to T.C.A. §68-212-225 of the *Hazardous Waste Management Act of 1983*, the Commissioner of the Tennessee Department of Environment and Conservation ("TDEC") has determined that land use restrictions are an appropriate remedial action at the below-described property. Pursuant to T.C.A. §68-212-225(d), the register of deed shall record this Notice and index it in the grantor index under the names of the owners of the land.

Witnesseth:

WHEREAS, the Memphis Housing Authority, a public body organized and existing under laws of the State of Tennessee ("Grantor"), is the owner of real property commonly known as "Fedex Family House Site" located at 918 Poplar Avenue in Memphis, Tennessee, being part of what is identified as the "MHA Parcel" in a Reciprocal Easement Agreement of record with the Shelby County Register of Deeds as *Instrument No. 08115216* and in the First Amendment to the Reciprocal Easement Agreement of record with the Shelby County Register of Deeds as *Instrument No. 08148051* and legally described in Exhibit A hereto (such property hereinafter referred to as the "Site,"); and

WHERAS, Grantor, along with Methodist Healthcare-Memphis Hospitals on behalf of its Le Bonheur Children's Hospital division (formerly known as Le Bonheur Children's Medical Center) (collectively referred to hereinafter as the "Voluntary Parties") entered into a Brownfield Voluntary Agreement (Site Number 79-846) with TDEC pursuant to Tennessee Code Annotated §68-212-224 for the purpose of addressing the real or perceived threat of the presence on the Site of hazardous substances, solid waste or other pollutants; and

WHEREAS, in accordance with work plans approved by TDEC and the terms of the Brownfield Voluntary Agreement, the Site has been investigated and remediated to levels acceptable for the limited residential and commercial uses; and

WHEREAS, pursuant to the Brownfield Voluntary Agreement, the Grantor has agreed to impose certain land use restrictions on the Site as set forth hereinafter and has agreed to preserve and maintain these restrictions.

NOW, THEREFORE, in consideration of the foregoing, the Grantor hereby declares that the Site should be held, sold, and conveyed subject to the following land use restrictions. Said land use restrictions shall run with the land and shall be binding on all parties having any right, title or interest in the Site or any part thereof, their heirs, successors, successors-in-title, and

assigns, and shall inure to the benefit of each owner thereof and to TDEC and the respective successors and assigns of such parties:

Description of Affected Property (the Site):

The Site is approximately 2.2 acres and is located at the northeast intersection of Poplar Avenue and Ayers Street in Memphis, Tennessee. A legal description of the Site is attached hereto as Exhibit A and maps depicting the location of the Site are attached hereto as Exhibit B.

Location of Contamination

Perchchloroethylene (PCE), other chlorinated solvents and aromatic hydrocarbons have been detected in shallow groundwater at the Site. PCE, polyaromatic hydrocarbons, lead and arsenic have been detected in soils at the Site. A map showing the location of environmental sampling locations and tables of sampling results are attached hereto as Exhibit C except for lead, which was detected, but below the residential screening number, and arsenic, which was below the regional natural background number.

Land Use Restrictions:

Grantor imposes the following restrictions:

1) The installation of groundwater wells and use of groundwater at, on, under or from the Site is prohibited, except for monitoring or remediation. Prior to any installation of water wells or use of groundwater (other than for monitoring or remediation), the Grantor, its successors, and/or assigns must obtain approval in writing from TDEC.

2) Except in the case of an emergency, the Grantor, its successors and/or assigns in title to the Site must notify TDEC prior to the commencement of any construction activities or any other land-disturbing activities which could generate fugitive dust on the Site. The Grantor, its successors, and/or assigns must demonstrate to the satisfaction of TDEC, through any necessary sampling and analysis approved by TDEC, that any construction activities or other land-disturbing activities will not pose a danger to public health, safety, or the environment. If polyaromatic hydrocarbon-contaminated soils are identified during construction activities or any other land-disturbing activities, the Grantor or other party encountering such soils must manage such soils in accordance with the performance-based approach set forth in the June 19, 2009 letter from Robert A. Binford, Director of the Division of Remediation, to Robert Lipscomb, Executive Director of MHA (a copy of which is attached hereto as Exhibit D). If soils contaminated with contaminants other than polyaromatic hydrocarbons are identified during construction activities or any other land-disturbing activities, the party encountering such soils agrees to manage such soils with a TDEC-approved soil management plan.

3) If it becomes necessary to excavate contaminated soils or as part of a response to an emergency (e.g., repairing utility lines or responding to a fire, flood or any other casualty), the Grantor, its successors and/or assigns in title to the Site must notify TDEC of such emergency as soon as possible but no more than forty-eight four (48) hours after having learned of such

emergency; must limit the area of disturbance to the minimum reasonably necessary to adequately respond to the emergency; must implement all reasonable measures necessary to limit actual or potential risk to health, safety, public welfare or the environment; and must manage, transport and/or dispose of any excavated contaminated soil in compliance with any soil management plan approved by TDEC or, in the absence of a soil management plan, in compliance with all applicable federal, state and local laws, regulations and ordinances including, without limitation, those pertaining to environmental protection and occupational safety.

4) A vapor mitigation system has been installed at the Site. No one shall disturb, modify, damage or remove any vapor mitigation system installed at or within any structure at the Site unless first approved in writing by TDEC and pursuant to an approved work plan. Any future replacement of such structures shall be equipped with an equivalent vapor mitigation system or, if approved in writing by TDEC, another vapor mitigation system.

5) The Grantor, its successors, and/or assigns in title to the Site shall have the right to go upon the Property for inspection, monitoring, sampling and performing any other activities consistent with or required by these land use restrictions or the Brownfield Voluntary Agreement.

6) Any approval of TDEC required by this Notice of Land Use Restrictions shall be in writing, must contain a reference to this instrument, and shall be maintained by the person or entity seeking such approval. Any person or entity that petitions the Department for any approval shall be responsible for any costs incurred by the Department in the review and oversight of work associated with the effort to obtain such approval.

7) The Grantor, its successors and/or assigns in title to the Site shall cause all grants, leases and other written transfers of interests in the Site to contain a provision expressly requiring all holders of such interests in the Site to accept such interests subject to the use restrictions, covenants, requirements and releases set forth in this Notice of Land Use Restrictions and not to violate any term or condition of this Notice of Land Use Restrictions. Nothing contained in this Paragraph shall be construed as limiting any obligation of the holder of an interest in the Site to provide any notice required by or pursuant to any federal, state or local law, regulation or ordinance.

Amendment and Termination

This Notice of Land Use Restrictions may be made less stringent or terminated by the Commissioner of TDEC if the risk has been eliminated or reduced so that less restrictive or no land use controls are protective of human health and the environment. Any person or entity seeking to make this Notice of Land Use Restrictions less stringent or terminated shall be responsible for any costs incurred by TDEC in the review and oversight of work associated with the request to make this Notice of Land Use Restrictions less stringent or terminated. No amendment to or termination of this Notice of Land Use Restrictions shall be effective until such amendment or instrument terminating this Notice of Land Use Restrictions is recorded in the Office of the Shelby County Register.

Enforcement

Any owner of the Site, any person eligible for liability protection under the Brownfield Voluntary Agreement, or any unit of local government having jurisdiction over any part of the Site may enforce this Notice of Land Use Restrictions by means of a civil action. The Commissioner of TDEC may enforce this Notice of Land Use Restrictions through the issuance of an Administrative Order or by means of a civil action, including one to obtain an injunction against present or threatened violations of the restrictions. Pursuant to T.C.A. § 68-212-213, any person who fails, neglects or refuses to comply with a land use restriction commits a Class B misdemeanor and is subject to the assessment of a civil penalty of up to ten thousand dollars ($10,000) per day.

Any person or entity owning, leasing, occupying or otherwise using the Site subsequent to the date of this Notice of Land Use Restrictions is hereby deemed to have covenanted and agreed not to sue and to have waived and released all rights that such person or entity may have against the Voluntary Parties, and each of their parents, subsidiaries, affiliates, successors and assigns and their shareholders, officers, directors, employees and agents for any and all claims, damages, losses, costs and expenses in any way arising out of or in connection with the environmental condition of the Site or the environmental condition of any off-site areas ever affected by the Site, including, but not limited to, claims arising under common law and claims arising under the Comprehensive Environmental Response, Compensation and Liability Act of 1980, as amended, or any other federal, state or local statute, regulation or ordinance designed to protect public health or the environment.

Term

This Notice of Land Use Restrictions shall run with and bind the Site.

Severability

Invalidation of any of these covenants or restrictions by judgment or court order shall in no way affect any other provisions, which shall remain in full force and effect.

IN WITNESS WHEREOF, the undersigned has executed this instrument this 15th day of July 2013.

Grantor:

MEMPHIS HOUSING AUTHORITY

By: _____

Robert Lipscomb
Executive Director

This instrument was prepared by:

Randall B. Womack
Glankler Brown, PLLC
6000 Poplar Avenue, Suite 400
Memphis, Tennessee 38119

NOTICE OF LAND USE RESTRICTIONS

Notice is hereby given that pursuant to T.C.A. §68-212-225 of the *Hazardous Waste Management Act of 1983*, the Commissioner of the Tennessee Department of Environment and Conservation ("TDEC") has determined that land use restrictions are an appropriate remedial action at the below-described property. Pursuant to T.C.A. §68-212-225(d), the register of deed shall record this Notice and index it in the grantor index under the names of the owners of the land.

Witnesseth:

WHEREAS, the Memphis Housing Authority, a public body organized and existing under laws of the State of Tennessee ("Grantor"), is the owner of real property commonly known as "Fedex Family House Site" located at 918 Poplar Avenue in Memphis, Tennessee, being part of what is identified as the "MHA Parcel" in a Reciprocal Easement Agreement of record with the Shelby County Register of Deeds as *Instrument No. 08115216* and in the First Amendment to the Reciprocal Easement Agreement of record with the Shelby County Register of Deeds as *Instrument No. 08148051* and legally described in Exhibit A hereto (such property hereinafter referred to as the "Site,"); and

WHERAS, Grantor, along with Methodist Healthcare-Memphis Hospitals on behalf of its Le Bonheur Children's Hospital division (formerly known as Le Bonheur Children's Medical Center) (collectively referred to hereinafter as the "Voluntary Parties") entered into a Brownfield Voluntary Agreement (Site Number 79-846) with TDEC pursuant to Tennessee Code Annotated §68-212-224 for the purpose of addressing the real or perceived threat of the presence on the Site of hazardous substances, solid waste or other pollutants; and

WHEREAS, in accordance with work plans approved by TDEC and the terms of the Brownfield Voluntary Agreement, the Site has been investigated and remediated to levels acceptable for the limited residential and commercial uses; and

WHEREAS, pursuant to the Brownfield Voluntary Agreement, the Grantor has agreed to impose certain land use restrictions on the Site as set forth hereinafter and has agreed to preserve and maintain these restrictions.

NOW, THEREFORE, in consideration of the foregoing, the Grantor hereby declares that the Site should be held, sold, and conveyed subject to the following land use restrictions. Said land use restrictions shall run with the land and shall be binding on all parties having any right, title or interest in the Site or any part thereof, their heirs, successors, successors-in-title, and

assigns, and shall inure to the benefit of each owner thereof and to TDEC and the respective successors and assigns of such parties:

Description of Affected Property (the Site):

The Site is approximately 2.2 acres and is located at the northeast intersection of Poplar Avenue and Ayers Street in Memphis, Tennessee. A legal description of the Site is attached hereto as Exhibit A and maps depicting the location of the Site are attached hereto as Exhibit B.

Location of Contamination

Perchchloroethylene (PCE), other chlorinated solvents and aromatic hydrocarbons have been detected in shallow groundwater at the Site. PCE, polyaromatic hydrocarbons, lead and arsenic have been detected in soils at the Site. A map showing the location of environmental sampling locations and tables of sampling results are attached hereto as Exhibit C except for lead, which was detected, but below the residential screening number, and arsenic, which was below the regional natural background number.

Land Use Restrictions:

Grantor imposes the following restrictions:

1) The installation of groundwater wells and use of groundwater at, on, under or from the Site is prohibited, except for monitoring or remediation. Prior to any installation of water wells or use of groundwater (other than for monitoring or remediation), the Grantor, its successors, and/or assigns must obtain approval in writing from TDEC.

2) Except in the case of an emergency, the Grantor, its successors and/or assigns in title to the Site must notify TDEC prior to the commencement of any construction activities or any other land-disturbing activities which could generate fugitive dust on the Site. The Grantor, its successors, and/or assigns must demonstrate to the satisfaction of TDEC, through any necessary sampling and analysis approved by TDEC, that any construction activities or other land-disturbing activities will not pose a danger to public health, safety, or the environment. If polyaromatic hydrocarbon-contaminated soils are identified during construction activities or any other land-disturbing activities, the Grantor or other party encountering such soils must manage such soils in accordance with the performance-based approach set forth in the June 19, 2009 letter from Robert A. Binford, Director of the Division of Remediation, to Robert Lipscomb, Executive Director of MHA (a copy of which is attached hereto as Exhibit D). If soils contaminated with contaminants other than polyaromatic hydrocarbons are identified during construction activities or any other land-disturbing activities, the party encountering such soils agrees to manage such soils with a TDEC-approved soil management plan.

3) If it becomes necessary to excavate contaminated soils or as part of a response to an emergency (e.g., repairing utility lines or responding to a fire, flood or any other casualty), the Grantor, its successors and/or assigns in title to the Site must notify TDEC of such emergency as soon as possible but no more than forty-eight four (48) hours after having learned of such

emergency; must limit the area of disturbance to the minimum reasonably necessary to adequately respond to the emergency; must implement all reasonable measures necessary to limit actual or potential risk to health, safety, public welfare or the environment; and must manage, transport and/or dispose of any excavated contaminated soil in compliance with any soil management plan approved by TDEC or, in the absence of a soil management plan, in compliance with all applicable federal, state and local laws, regulations and ordinances including, without limitation, those pertaining to environmental protection and occupational safety.

4) A vapor mitigation system has been installed at the Site. No one shall disturb, modify, damage or remove any vapor mitigation system installed at or within any structure at the Site unless first approved in writing by TDEC and pursuant to an approved work plan. Any future replacement of such structures shall be equipped with an equivalent vapor mitigation system or, if approved in writing by TDEC, another vapor mitigation system.

5) The Grantor, its successors, and/or assigns in title to the Site shall have the right to go upon the Property for inspection, monitoring, sampling and performing any other activities consistent with or required by these land use restrictions or the Brownfield Voluntary Agreement.

6) Any approval of TDEC required by this Notice of Land Use Restrictions shall be in writing, must contain a reference to this instrument, and shall be maintained by the person or entity seeking such approval. Any person or entity that petitions the Department for any approval shall be responsible for any costs incurred by the Department in the review and oversight of work associated with the effort to obtain such approval.

7) The Grantor, its successors and/or assigns in title to the Site shall cause all grants, leases and other written transfers of interests in the Site to contain a provision expressly requiring all holders of such interests in the Site to accept such interests subject to the use restrictions, covenants, requirements and releases set forth in this Notice of Land Use Restrictions and not to violate any term or condition of this Notice of Land Use Restrictions. Nothing contained in this Paragraph shall be construed as limiting any obligation of the holder of an interest in the Site to provide any notice required by or pursuant to any federal, state or local law, regulation or ordinance.

Amendment and Termination

This Notice of Land Use Restrictions may be made less stringent or terminated by the Commissioner of TDEC if the risk has been eliminated or reduced so that less restrictive or no land use controls are protective of human health and the environment. Any person or entity seeking to make this Notice of Land Use Restrictions less stringent or terminated shall be responsible for any costs incurred by TDEC in the review and oversight of work associated with the request to make this Notice of Land Use Restrictions less stringent or terminated. No amendment to or termination of this Notice of Land Use Restrictions shall be effective until such amendment or instrument terminating this Notice of Land Use Restrictions is recorded in the Office of the Shelby County Register.

Enforcement

Any owner of the Site, any person eligible for liability protection under the Brownfield Voluntary Agreement, or any unit of local government having jurisdiction over any part of the Site may enforce this Notice of Land Use Restrictions by means of a civil action. The Commissioner of TDEC may enforce this Notice of Land Use Restrictions through the issuance of an Administrative Order or by means of a civil action, including one to obtain an injunction against present or threatened violations of the restrictions. Pursuant to T.C.A. § 68-212-213, any person who fails, neglects or refuses to comply with a land use restriction commits a Class B misdemeanor and is subject to the assessment of a civil penalty of up to ten thousand dollars ($10,000) per day.

Any person or entity owning, leasing, occupying or otherwise using the Site subsequent to the date of this Notice of Land Use Restrictions is hereby deemed to have covenanted and agreed not to sue and to have waived and released all rights that such person or entity may have against the Voluntary Parties, and each of their parents, subsidiaries, affiliates, successors and assigns and their shareholders, officers, directors, employees and agents for any and all claims, damages, losses, costs and expenses in any way arising out of or in connection with the environmental condition of the Site or the environmental condition of any off-site areas ever affected by the Site, including, but not limited to, claims arising under common law and claims arising under the Comprehensive Environmental Response, Compensation and Liability Act of 1980, as amended, or any other federal, state or local statute, regulation or ordinance designed to protect public health or the environment.

Term

This Notice of Land Use Restrictions shall run with and bind the Site.

Severability

Invalidation of any of these covenants or restrictions by judgment or court order shall in no way affect any other provisions, which shall remain in full force and effect.

IN WITNESS WHEREOF, the undersigned has executed this instrument this _____ day of October 2012.

Grantor:

MEMPHIS HOUSING AUTHORITY

By: _____
Robert Lipscomb
Executive Director

STATE OF TENNESSEE
COUNTY OF _____

Before me, _____ of the state and county mentioned, personally appeared Robert Lipscomb, with whom I am personally acquainted (or proved to me on the basis of satisfactory evidence), and who, upon oath, acknowledge such person to be Executive Director (or other officer authorized to execute the instrument) of Memphis Housing Authority, a Tennessee public body, corporate and politic under the Housing Authority laws of the State of Tennessee, the within named bargainor, and that such Executive Director executed the foregoing instrument for the purpose therein contained, by personally signing the name of the corporation as Executive Director.

Witness my hand and seal, at office in _____, this _____ day of October 2012.

_____
Notary Public

My Commission Expires:

_____

EXHIBIT D

BROWNFIELD VOLUNTARY AGREEMENT

June 19, 2009 letter from Robert A. Binford, Director of the Division of Remediation, to Robert Lipscomb, Executive Director of MHA

CONESTOGA-ROVERS
& ASSOCIATES

209 Gothic Court, Suite 109, Franklin, TN 37067
Telephone: 615.778.2535 Facsimile: 615.778.2533
www.CRAworld.com

October 27, 2005

Reference No. 20977

Shelby County Register of Deeds
160 N. Main, Suite 850
Memphis, Tennessee 38103

Dear Register of Deeds:

RECEIVED
DIV SOLID WASTE MGT
OCT 28 2005
Group No. File No.
ID No.

RE: Updated Notice That Petroleum Wastes Are Present Form
Former Mobil Bulk Terminal No. 41 181
423 North Dunlap Street
Memphis, Tennessee
TDEC Facility ID No. 9-799001

On behalf of Exxon Mobil Corporation (ExxonMobil), Conestoga-Rovers & Associates (CRA) herewith submits this Notice That Petroleum Wastes Are Present at the Site as required by the Tennessee Division of Remediation (TDOR). Mr. Chris Lagan of TDOR requested this notice in a phone conversation on May 5, 2005. This document is required by TDOR prior to granting closure of the Site.

If you have any questions, please feel free to contact the undersigned at (615) 778-2535 or ccole@craworld.com.

Yours truly,

CONESTOGA-ROVERS & ASSOCIATES

George W. Cole IV

GWC/pdm/4

Attachments

cc: Mr. Mike Holland - ExxonMobil
Mr. Chris Lagan - TDEC, Division of Solid Waste Management

SOURCE: USGS 7.5 MINUTE SERIES QUADRANGLE MAP, NORTHWEST MEMPHIS, TENN--ARK., 1973.

figure 1

ESTIMATED GROUNDWATER RECHARGE AREA

TRIBUTARY OF QUINBY BAYOU

N

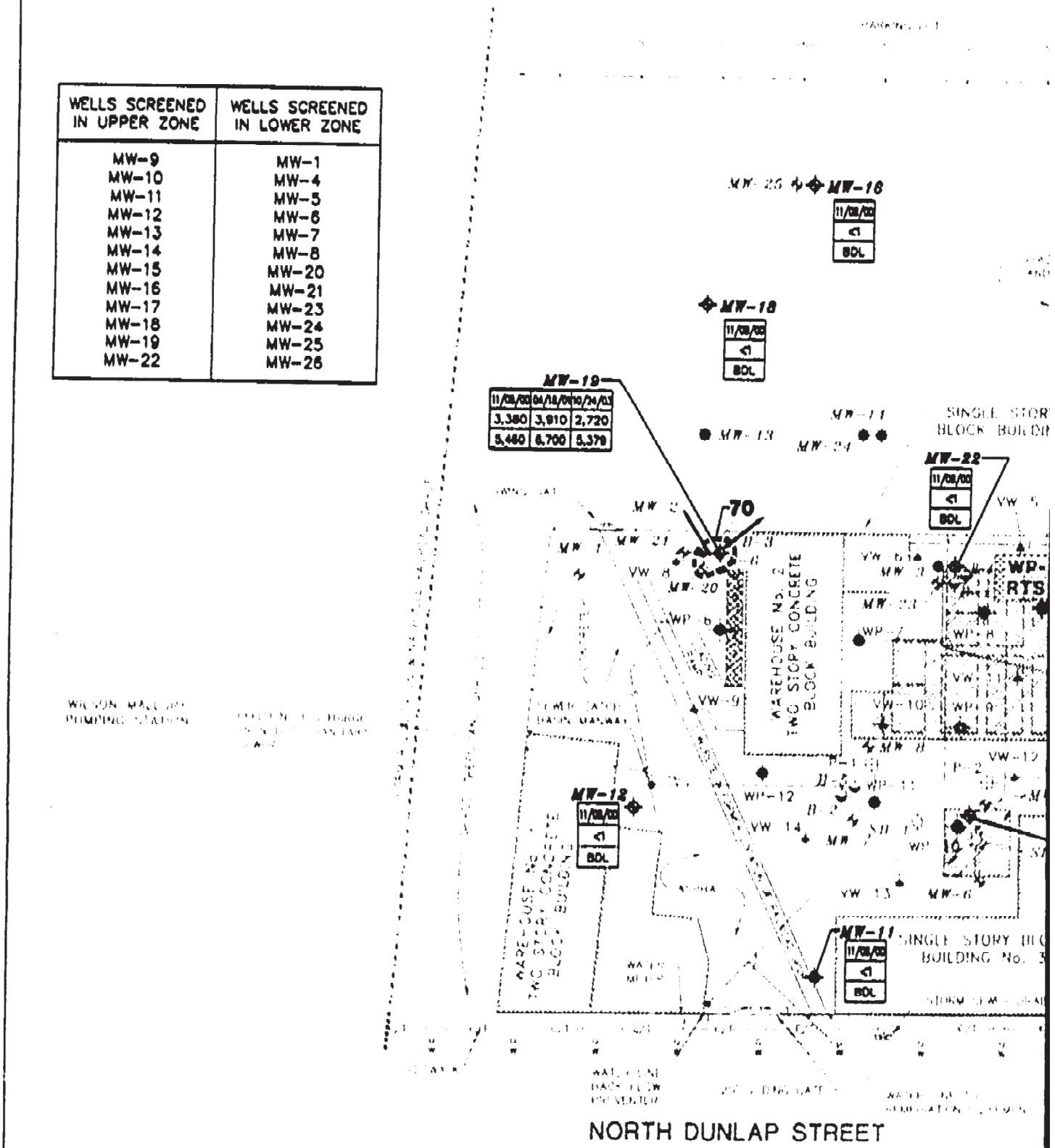
0 feet 2000

SCALE

USGS TOPOGRAPHIC MAP
FORMER MOBIL BULK TERMINAL 41 181
TDEC ID NO. 9-799001
432 NORTH DUNLAP STREET
MEMPHIS, SHELBY COUNTY, TENNESSEE
EXXON MOBIL CORPORATION

20977-00(000)GN-TV001 SEP 14/2004

WELLS SCREENED IN UPPER ZONE	WELLS SCREENED IN LOWER ZONE
MW-9	MW-1
MW-10	MW-4
MW-11	MW-5
MW-12	MW-6
MW-13	MW-7
MW-14	MW-8
MW-15	MW-20
MW-16	MW-21
MW-17	MW-23
MW-18	MW-24
MW-19	MW-25
MW-22	MW-26



20977-00(000)GN-TV013 OCT 27/2005

LEGEND

—— E ——	OVERHEAD ELECTRIC
—— T ——	OVERHEAD TELEPHONE
—— S ——	UNDERGROUND SANITARY SEWER
—— G ——	UNDERGROUND GAS
—— W ——	UNDERGROUND WATER
PP ●	POWER POLE
—— X ——	CHAIN-LINK FENCE
⊕	APPROXIMATE LOCATION OF 2" DIA. PIEZOMETER WELL
⊕	APPROXIMATE MONITOR WELL LOCATION
✸	APPROXIMATE ABANDONED WELL LOCATION
◆	APPROXIMATE PROPOSED SOIL BORING LOCATION
●	APPROXIMATE LOCATION OF 4" DIA. VACUUM EXTRACTION WELL POINT
✦	APPROXIMATE LOCATION OF 4" DIA. PASSIVE VENT WELL
☼	SOIL BORING LOCATION
WP-RTS	WELLPOINT RECOVERY AND TREATMENT SYSTEM
	FORMER PETROLEUM PRODUCT UST AREA
	FORMER PETROLEUM PRODUCT ABOVEGROUND STORAGE TANK AREA

MW-17
11/08/00
<1
BDL

MW-9
11/08/00
NS
NS

MW-15
11/08/00
<1
BDL

MW-10
11/08/00
<1
BDL

SAMPLE DATE	
BENZENE CONCENTRATION IN ug/L	
TOTAL BTEX CONCENTRATION IN ug/L	
ug/L	MICROGRAMS PER LITER
NS	NOT SAMPLED
BDL	BELOW DETECTION LIMITS
--70--	BENZENE CONCENTRATION ISOPLETH, ug/L
———	HISTORICAL APPARENT GROUNDWATER FLOW DIRECTION

NOTES:

1) 17' x 20' ENCLOSED REMEDIATION EQUIPMENT AREA

2) THE LESS THAN SIGN (<) INDICATES THAT THE PARAMETER WAS NOT DETECTED THE NUMBER FOLLOWING THE "<" IS THE DETECTION LIMIT FOR THE PARAMETER

3) TOTAL BTEX IS THE SUMMATION OF BENZENE, TOLUENE, ETHYLBENZENE AND TOTAL XYLENE CONCENTRATIONS, WITHOUT REGARD TO SIGNIFICANT DIGITS

4) MONITORING WELLS MW-13, MW-14, AND MW-24 WERE CLOSED IN NOVEMBER 1999 MONITORING WELLS MW-15, MW-16, MW-17, MW-19, MW-25, AND MW-26 WERE CLOSED IN APRIL 2000

5) THE TDEC GROUNDWATER LOW FOR BENZENE IS 70 ug/L

0 feet 40

APPROX. SCALE

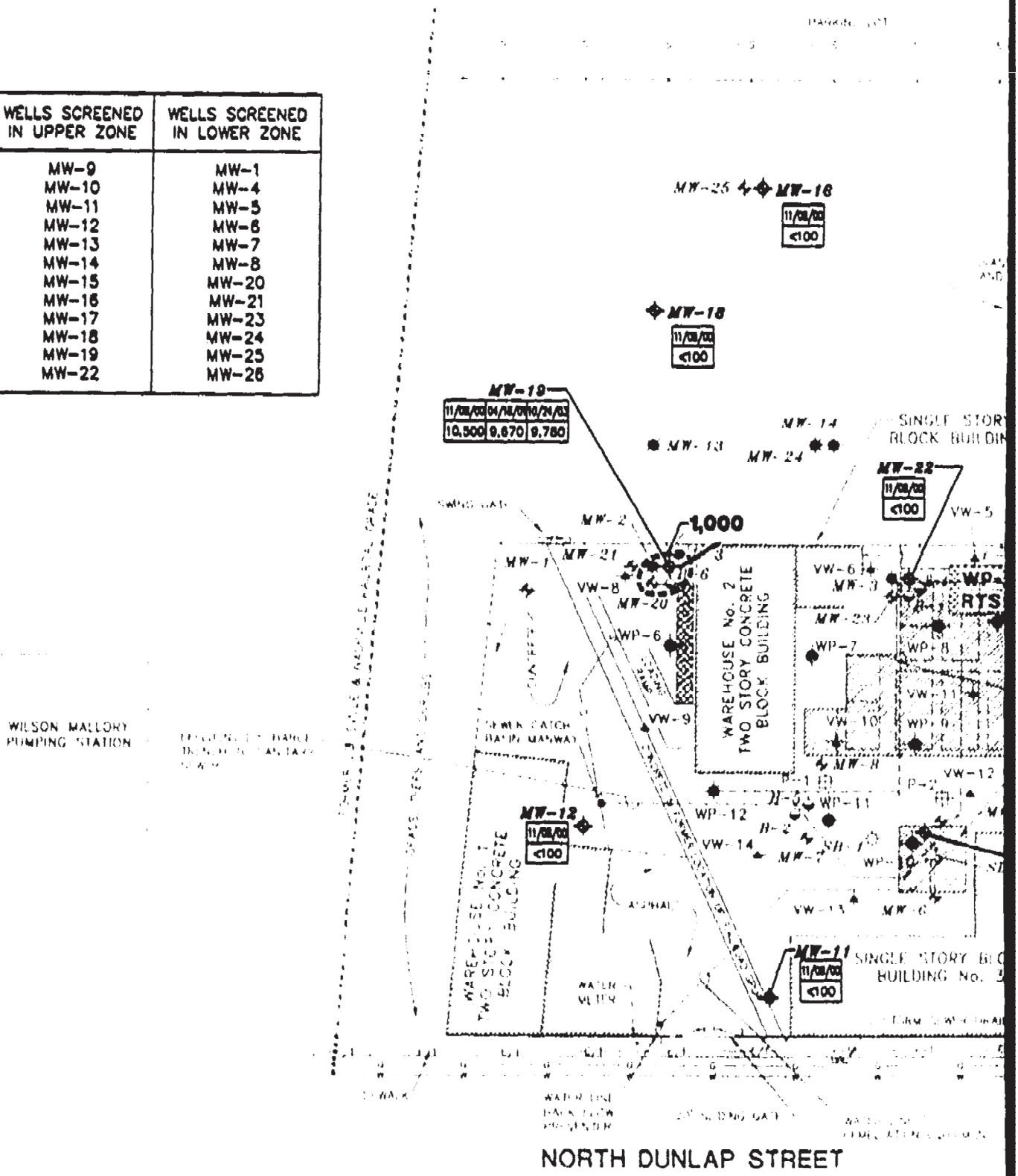
Figure 6

UPPER ZONE BENZENE AND TOTAL BTEX CONCENTRATIONS IN GROUNDWATER

FORMER MOBIL BULK TERMINAL 41 181
TDEC ID NO. 9-799001
432 NORTH DUNLAP STREET
MEMPHIS, TENNESSEE

Former Mobil Bulk Terminal

WELLS SCREENED IN UPPER ZONE	WELLS SCREENED IN LOWER ZONE
MW-9	MW-1
MW-10	MW-4
MW-11	MW-5
MW-12	MW-6
MW-13	MW-7
MW-14	MW-8
MW-15	MW-20
MW-16	MW-21
MW-17	MW-23
MW-18	MW-24
MW-19	MW-25
MW-22	MW-26



LEGEND

—— E ——	OVERHEAD ELECTRIC
—— T ——	OVERHEAD TELEPHONE
—— S ——	UNDERGROUND SANITARY SEWER
—— G ——	UNDERGROUND GAS
—— W ——	UNDERGROUND WATER
PP ●	POWER POLE
—— X ——	CHAIN-LINK FENCE
⊕	APPROXIMATE LOCATION OF 2" DIA. PIEZOMETER WELL
◆	APPROXIMATE MONITOR WELL LOCATION
✹	APPROXIMATE ABANDONED WELL LOCATION
◆	APPROXIMATE PROPOSED SOIL BORING LOCATION
●	APPROXIMATE LOCATION OF 4" DIA. VACUUM EXTRACTION WELL POINT
✦	APPROXIMATE LOCATION OF 4" DIA. PASSIVE VENT WELL
☼	SOIL BORING LOCATION
WP-RTS	WELLPOINT RECOVERY AND TREATMENT SYSTEM
⋯⋯	FORMER PETROLEUM PRODUCT UST AREA
⋯⋯	FORMER PETROLEUM PRODUCT ABOVEGROUND STORAGE TANK AREA
SAMPLE DATE / TPH-GRO CONCENTRATION IN ug/L	
ug/L	MICROGRAMS PER LITER
NS	NOT SAMPLED
--1,000--	TPH-GRO CONCENTRATION ISOPLETH, ug/L
———	HISTORICAL APPARENT GROUNDWATER FLOW DIRECTION

MW-17
11/08/00
<100

MW-9
11/08/00
NS

MW-15
11/08/00
<100

MW-10
11/08/00
<100

NOTES:

1) 17' x 20' ENCLOSED REMEDIATION EQUIPMENT AREA

2) THE LESS THAN SIGN (<) INDICATES THAT THE PARAMETER WAS NOT DETECTED. THE NUMBER FOLLOWING THE "<" IS THE DETECTION LIMIT FOR THE PARAMETER.

3) THE TDEC DEFAULT CLEAN-UP LEVEL FOR TOTAL TPH 1,000 ug/L.

4) MONITORING WELLS MW-13, MW-14, AND MW-24 WERE CLOSED IN NOVEMBER 1999. MONITORING WELLS MW-15, MW-16, MW-17, MW-19, MW-25, AND MW-26 WERE CLOSED IN APRIL 2001.

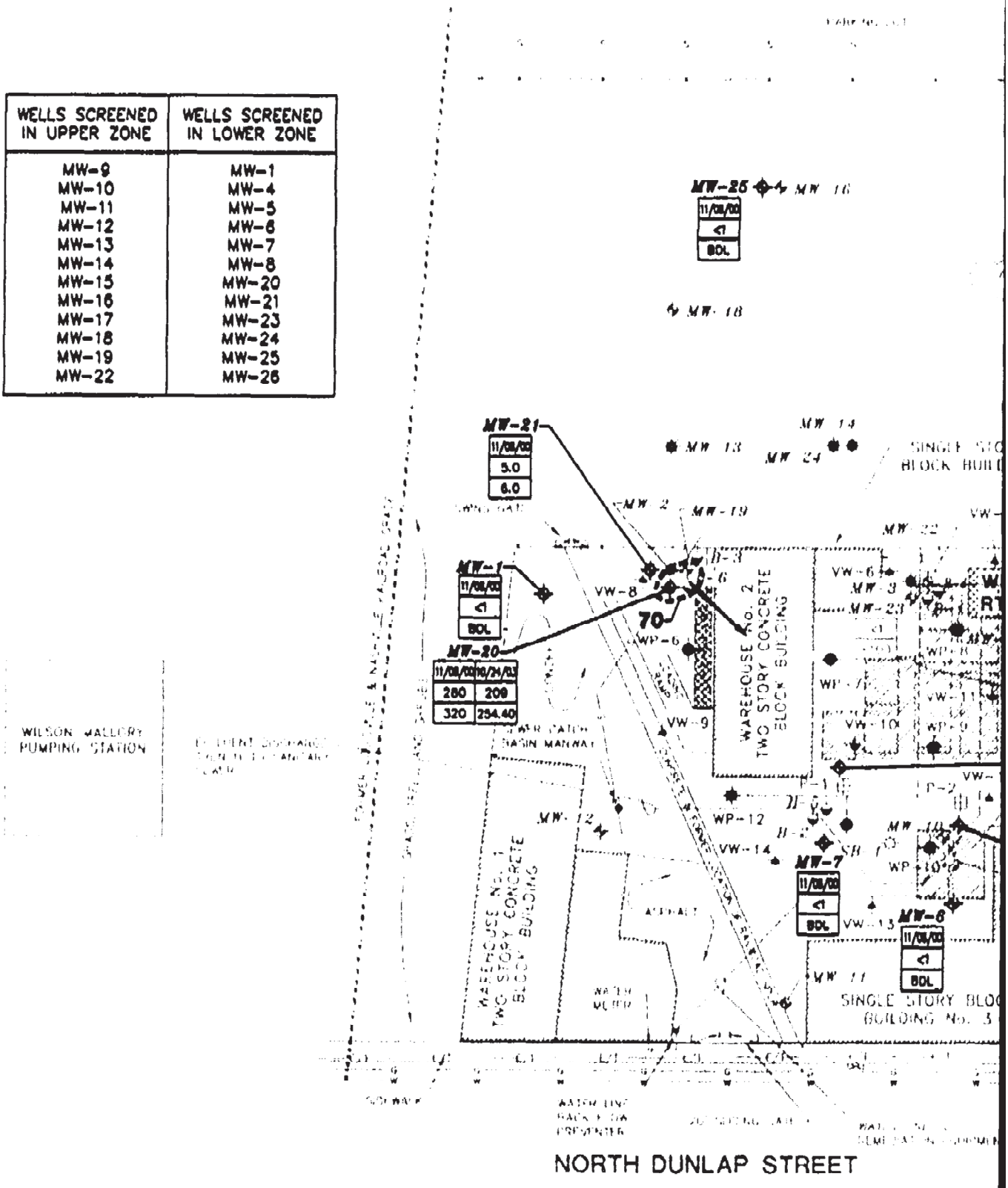
Figure 1

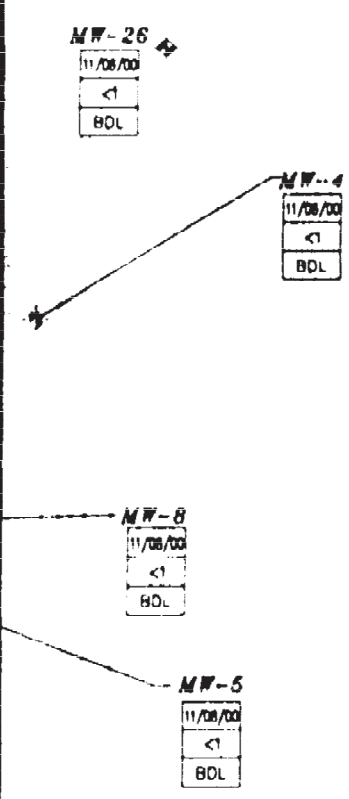
UPPER ZONE TPH-GRO CONCENTRATIONS IN GROUNDWATER

FORMER MOBIL BULK TERMINAL 41 181
TDEC ID NO. 9-799001
432 NORTH DUNLAP STREET
MEMPHIS, TENNESSEE
EXXON MOBIL CORPORATION

0 feet 40
APPROX. SCALE

WELLS SCREENED IN UPPER ZONE	WELLS SCREENED IN LOWER ZONE
MW-9	MW-1
MW-10	MW-4
MW-11	MW-5
MW-12	MW-6
MW-13	MW-7
MW-14	MW-8
MW-15	MW-20
MW-16	MW-21
MW-17	MW-23
MW-18	MW-24
MW-19	MW-25
MW-22	MW-26





LEGEND

- E — OVERHEAD ELECTRIC
- T — OVERHEAD TELEPHONE
- S — UNDERGROUND SANITARY SEWER
- G — UNDERGROUND GAS
- W — UNDERGROUND WATER
- P P — POWER POLE
- X — CHAIN-LINK FENCE
- APPROXIMATE LOCATION OF 2" DIA. PIEZOMETER WELL
- APPROXIMATE MONITOR WELL LOCATION
- APPROXIMATE ABANDONED WELL LOCATION
- APPROXIMATE PROPOSED SOIL BORING LOCATION
- APPROXIMATE LOCATION OF 4" DIA. VACUUM EXTRACTION WELL POINT
- APPROXIMATE LOCATION OF 4" DIA. PASSIVE VENT WELL
- SOIL BORING LOCATION
- **WP-RTS** — WELLPOINT RECOVERY AND TREATMENT SYSTEM
- FORMER PETROLEUM PRODUCT UST AREA
- FORMER PETROLEUM PRODUCT ABOVEGROUND STORAGE TANK AREA

SAMPLE DATE
BENZENE CONCENTRATION IN ug/L
TOTAL BTEX CONCENTRATION IN ug/L

- ug/L — MICROGRAMS PER LITER
- BDL — BELOW DETECTION LIMITS
- **--70--** — BENZENE CONCENTRATION ISOPLETH, ug/L
- APPARENT GROUNDWATER FLOW DIRECTION

NOTES:

1) 17' x 20' ENCLOSED REMEDIATION EQUIPMENT AREA

2) THE LESS THAN SIGN (<) INDICATES THAT THE PARAMETER WAS NOT DETECTED. THE NUMBER FOLLOWING THE "<" IS THE DETECTION LIMIT FOR THE PARAMETER

3) TOTAL BTEX IS THE SUMMATION OF BENZENE, TOLUENE, ETHYLBENZENE, AND TOTAL XYLENE CONCENTRATIONS WITHOUT REGARD TO SIGNIFICANT DIGITS

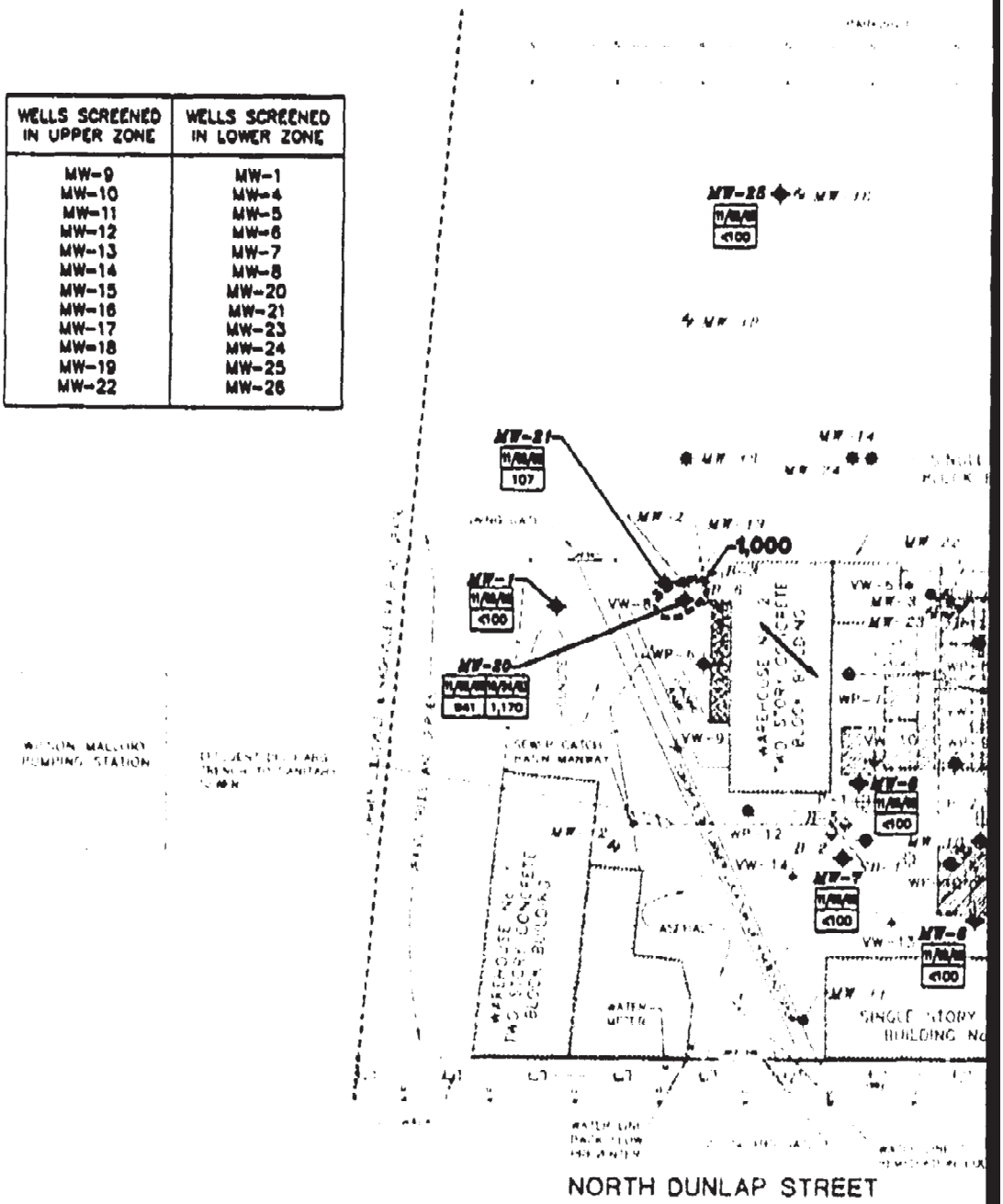
4) MONITORING WELLS MW-13, MW-14, AND MW-24 WERE CLOSED IN NOVEMBER 1999. MONITORING WELLS MW-15, MW-16, MW-17, MW-19, MW-25, AND MW-26 WERE CLOSED IN APRIL 2001

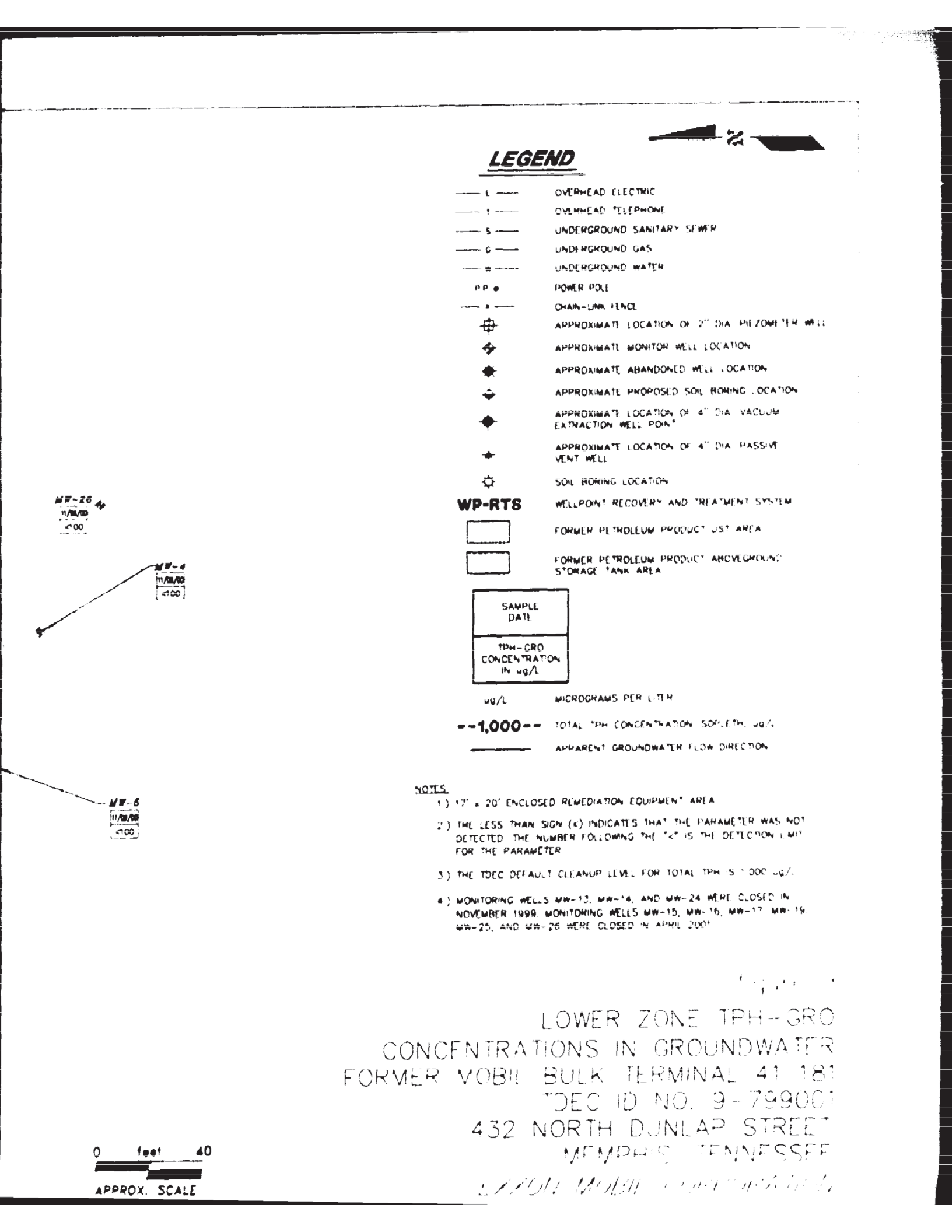
5) THE TDEC DEFAULT CLEANUP LEVEL FOR BENZENE IS 70 ug/L

Figure 2

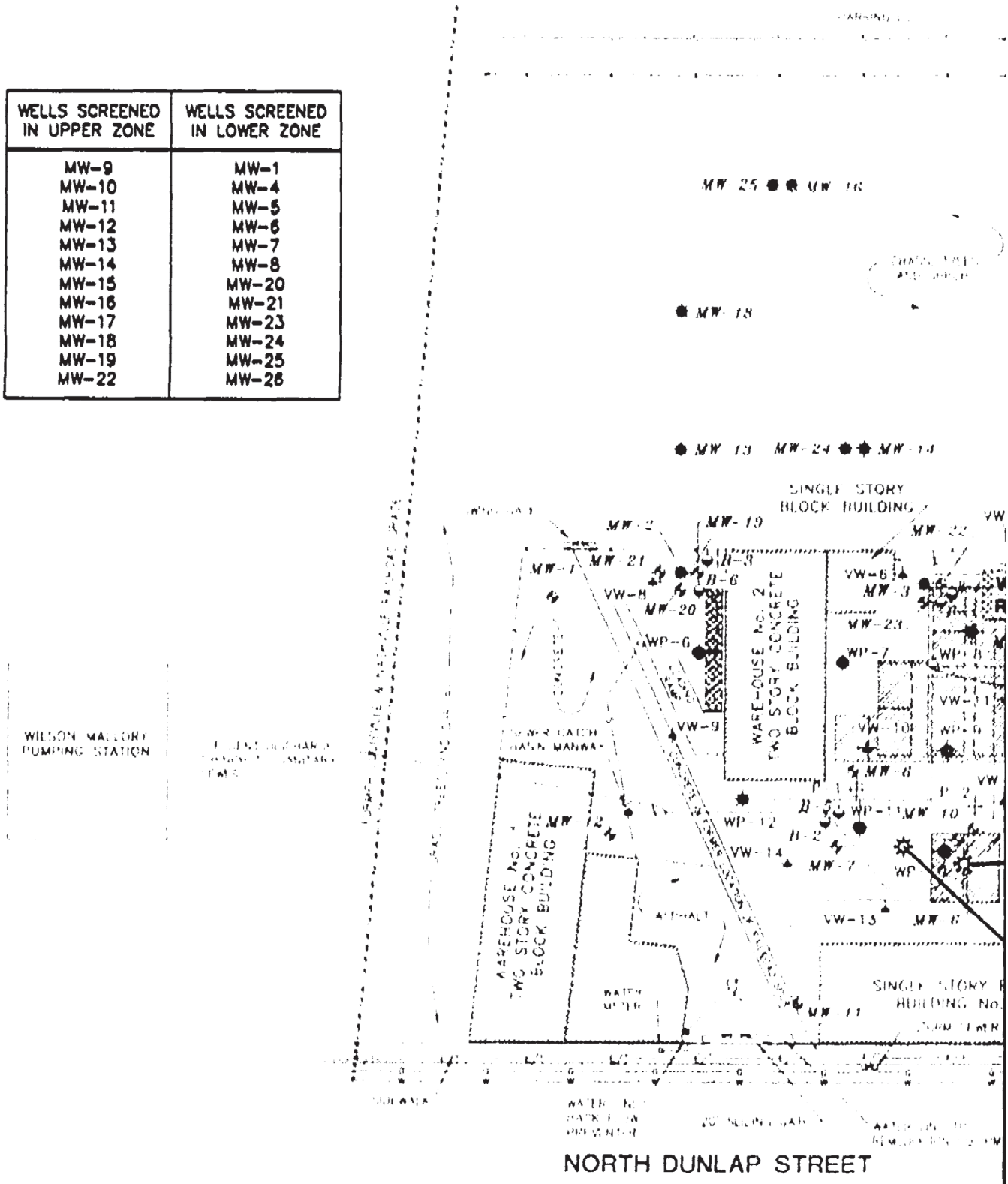
LOWER ZONE BENZENE AND TOTAL BTEX CONCENTRATIONS IN GROUNDWATER
FORMER MOBIL BULK TERMINAL 41 181
TDEC ID NO. 9-799001

WELLS SCREENED IN UPPER ZONE	WELLS SCREENED IN LOWER ZONE
MW-9	MW-1
MW-10	MW-4
MW-11	MW-5
MW-12	MW-6
MW-13	MW-7
MW-14	MW-8
MW-15	MW-20
MW-16	MW-21
MW-17	MW-23
MW-18	MW-24
MW-19	MW-25
MW-22	MW-26




LEGEND
E
OVERHEAD ELECTRIC
T
OVERHEAD TELEPHONE
S
UNDERGROUND SANITARY SEWER
G
UNDERGROUND GAS
W
UNDERGROUND WATER
P P
POWER POLE
X
CHAIN-LINK FENCE
APPROXIMATE LOCATION OF 2" DIA. PIEZOMETER WELL
APPROXIMATE MONITOR WELL LOCATION
APPROXIMATE ABANDONED WELL LOCATION
APPROXIMATE PROPOSED SOIL BORING LOCATION
APPROXIMATE LOCATION OF 4" DIA. VACUUM EXTRACTION WELL POINT
APPROXIMATE LOCATION OF 4" DIA. PASSIVE VENT WELL
SOIL BORING LOCATION
WP-RTS
WELLPOINT RECOVERY AND TREATMENT SYSTEM
FORMER PETROLEUM PRODUCT UST AREA
FORMER PETROLEUM PRODUCT ABOVEGROUND STORAGE TANK AREA
SAMPLE DATE
TPH-GRO CONCENTRATION IN ug/L
ug/L
MICROGRAMS PER LITER
--1,000--
TOTAL TPH CONCENTRATION SHOWN IN ug/L
APPARENT GROUNDWATER FLOW DIRECTION
MW-26
11/08/00
<100
MW-4
11/08/00
<100
MW-5
11/08/00
<100
NOTES:
1) 17' x 20' ENCLOSED REMEDIATION EQUIPMENT AREA
2) THE LESS THAN SIGN (<) INDICATES THAT THE PARAMETER WAS NOT DETECTED. THE NUMBER FOLLOWING THE "<" IS THE DETECTION LIMIT FOR THE PARAMETER
3) THE TDEC DEFAULT CLEANUP LEVEL FOR TOTAL TPH IS 1,000 ug/L
4) MONITORING WELLS MW-13, MW-14, AND MW-24 WERE CLOSED IN NOVEMBER 1999. MONITORING WELLS MW-15, MW-16, MW-17, MW-19, MW-25, AND MW-26 WERE CLOSED IN APRIL 2001
LOWER ZONE TPH-GRO
CONCENTRATIONS IN GROUNDWATER
FORMER VOBIL BULK TERMINAL 41 181
TDEC ID NO. 9-799001
432 NORTH DUNLAP STREET
MEMPHIS, TENNESSEE
0
feet
40
APPROX. SCALE

WELLS SCREENED IN UPPER ZONE	WELLS SCREENED IN LOWER ZONE
MW-9	MW-1
MW-10	MW-4
MW-11	MW-5
MW-12	MW-6
MW-13	MW-7
MW-14	MW-8
MW-15	MW-20
MW-16	MW-21
MW-17	MW-23
MW-18	MW-24
MW-19	MW-25
MW-22	MW-26



20977-00(000)GN-TV010 SEP 14/2004

LEGEND

—— E ——	OVERHEAD ELECTRIC
—— T ——	OVERHEAD TELEPHONE
—— S ——	UNDERGROUND SANITARY SEWER
—— G ——	UNDERGROUND GAS
—— W ——	UNDERGROUND WATER
PP ●	POWER POLE
—— X ——	CHAIN-LINK FENCE
⊕	APPROXIMATE LOCATION OF 2" DIA. PIEZOMETER WELL
◆	APPROXIMATE MONITOR WELL LOCATION
✸	APPROXIMATE ABANDONED WELL LOCATION
◆	APPROXIMATE PROPOSED SOIL BORING LOCATION
●	APPROXIMATE LOCATION OF 4" DIA. VACUUM EXTRACTION WELL POINT
✦	APPROXIMATE LOCATION OF 4" DIA. PASSIVE VENT WELL
✡	SOIL BORING LOCATION
WP-RTS	WELLPOINT RECOVERY AND TREATMENT SYSTEM
▭	FORMER PETROLEUM PRODUCT UST AREA
▭	FORMER PETROLEUM PRODUCT ABOVEGROUND STORAGE TANK AREA

SAMPLE DATE
SAMPLE DEPTH IN FEET
BENZENE CONCENTRATION IN mg/kg
TOTAL BTEX CONCENTRATION IN mg/kg
TPH-GRO CONCENTRATION IN mg/kg
TPH-DRO CONCENTRATION IN mg/kg

NOTE

1) 12' x 20' ENCLOSED REMEDIATION EQUIPMENT AREA

SB-2

02/22/96		
2-4	4-6	6-8
<1	<1	<1
BDL	BDL	BDL
<10	<10	90.7
48.3	15.8	105

SB-1

01/15/96		
2-4	4-6	6-8
<1	<1	<1
BDL	BDL	BDL
<10	<10	<10
24.1	120	207

0 feet 40

APPROX. SCALE

Figure 1

BENZENE, TOTAL BTEX, TPH-GRO, AND TPH-DRO CONCENTRATIONS IN SOIL

FORMER MOBIL BULK TERMINAL 41 [illegible]

[illegible] NO. 3-[illegible]

432 NORTH DUNLAP STREET

MEMPHIS, TENNESSEE

[illegible]

NOTICE THAT PETROLEUM WASTES ARE PRESENT

Notice is hereby given that pursuant to Rule 1200-1-7-.04(8)(g)7 of Tennessee Rule Chapter 1200-1-7, Solid Waste Processing and Disposal, the Director of the Tennessee Division of Remediation ("TDOR") has determined that no further remedial action is required even though disposed petroleum wastes remain on the below-described property. The TDOR has evaluated the situation and found that adequate investigation has been performed to conclude that the soils and/or groundwater impacted by the petroleum wastes do not contain hazardous constituents at levels that pose a significant threat to human health or the environment. No land use restrictions are warranted. This Notice is provided to inform prospective purchasers or users of the presence of the petroleum wastes, and that the TDOR should be contacted (see contact information below) prior to any removal of impacted soils or groundwater to ensure proper management and disposal of the removed materials. This Notice is to be filed with the Shelby County register of deeds whom shall record it and index it in the grantor index under the names of the owners of the land.

Concerned persons may contact the Manager, State Remediation Program; Tennessee Division of Remediation; 5th Floor, L & C Tower; 401 Church Street; Nashville, Tennessee 37243-1535; Telephone: (615) 532-0853; Fax: (615) 532-0886.

Witnesseth:

WHEREAS, Mr. Gary D. Steen (the "Grantor") is the owner of the real property located as described below and in Attachment 1, and hereinafter referred to as the "Property," and

WHEREAS, the Property has been found to contain disposed petroleum wastes even though no further actions to protect human health and the environment are necessary; and

NOW, THEREFORE, in consideration of the foregoing, the Grantor hereby declares that this Notice shall be applied to the Property, or the impacted portions thereof, as such is held, sold, and conveyed by all parties having any right, title, or interest in the Property or any impacted part thereof, their heirs, successors, successors-in-title, and assigns.

Location of Wastes:

The Site is located at 423 North Dunlap Street in Memphis, Shelby County, Tennessee. Specifically, the Site is located at the southeastern corner of the intersection of North Dunlap Street and the former L&N Railroad; the Site location is shown on the USGS topographic map presented on Figure 1. Impacted portions of the Site are included on Figures 6 through 10.

The legal description of property was obtained from the Shelby County register of deeds and is listed below:

Beginning at a point in the east line of Dunlap Street (72' wide), said point being 200' north of the tangent intersection of the east line of Dunlap and the north line of Lane

Ave.; thence N 00 degrees 07 minutes 45 seconds E along the east line of Dunlap Street a distance of 135.53' to a point; thence S 87 degrees 38 minutes 17 seconds E along a line parallel to the old abandon Memphis and Ohio Railroad Track a distance of 140.86' to a fence; thence S 01 degree 12 minutes 18 seconds E along the west line of 15' alley a distance of 127.02' (call = 135.10') to a fence corner; thence S 88 degrees 53 minutes 15 seconds W along the north line of Lot 80 a distance of 143.74' (call = 141.98') to the point of beginning, containing 18,633 square feet or 0.428 acres.

Term and Termination:

This Notice of Petroleum Waste Present shall run with the Property, or impacted portions thereof, unless/until this Declaration shall be canceled by the TDOR Director upon a finding by the TDOR that the petroleum wastes have been removed or have dissipated or degraded such that they are no longer obviously present. No such termination of this Notice shall be effective until such instrument terminating this Notice is recorded by the Shelby County Register of Deeds.

IN WITNESS WHEREOF, the undersigned has executed this instrument this _____ day of _____, 20__.

[Name of Owner/Grantor]

By:

_____

Signature

_____

Printed Name

_____

Title

STATE OF TENNESSEE)
)
COUNTY OF _____)

BEFORE ME, a Notary Public in and for the said State and County, personally appeared _____, with whom I am personally acquainted or whose identity was proven to me on the basis of satisfactory evidence, and who, upon oath, acknowledged himself to be the _____ _____, the within named bargainor, and that he, as such officer, being authorized so to do, executed the foregoing instrument for the purposes therein contained, by signing the name of _____, by himself as such officer.

WITNESS my hand and official seal at office in the State and County aforesaid on this the _____ day of _____, 20___.

_____Notary Public

My commission Expires: _____

CONESTOGA-ROVERS
& ASSOCIATES

209 Gothic Court, Suite 100, Franklin, TN 37067
Telephone: 615.778.2535 Facsimile: 615.778.2533

October 24, 2005

Reference No. 20977

Shelby County Register of Deeds
160 N. Main, Suite 850
Memphis, Tennessee 38103

RECEIVED
DIV SOLID WASTE MGT
OCT 25 2005
Group No. File No.
ID No.

Dear Register of Deeds:

RE: Notice That Petroleum Wastes Are Present Form
Former Mobil Bulk Terminal No. 41 181
423 North Dunlap Street
Memphis, Tennessee
TDEC Facility ID No. 9-799001

On behalf of Exxon Mobil Corporation (ExxonMobil), Conestoga-Rovers & Associates (CRA) herewith submits this Notice That Petroleum Wastes Are Present at the Site as required by the Tennessee Division of Remediation (TDOR). Mr. Chris Lagan of TDOR requested this notice in a phone conversation on May 5, 2005. This document is required by TDOR prior to granting closure of the Site.

If you have any questions, please feel free to contact the undersigned at (615) 778-2535 or ccole@craworld.com.

Yours truly,

CONESTOGA-ROVERS & ASSOCIATES

George W. Cole IV

GWC/pdm/4

Attachments

cc: Mr. Mike Holland - ExxonMobil
Mr. Chris Lagan - TDEC, Division of Solid Waste Management

NOTICE THAT PETROLEUM WASTES ARE PRESENT

Notice is hereby given that pursuant to Rule 1200-1-7-.04(8)(g)7 of Tennessee Rule Chapter 1200-1-7, Solid Waste Processing and Disposal, the Director of the Tennessee Division of Remediation ("TDOR") has determined that no further remedial action is required even though disposed petroleum wastes remain on the below-described property. The TDOR has evaluated the situation and found that adequate investigation has been performed to conclude that the soils and/or groundwater impacted by the petroleum wastes do not contain hazardous constituents at levels that pose a significant threat to human health or the environment. No land use restrictions are warranted. This Notice is provided to inform prospective purchasers or users of the presence of the petroleum wastes, and that the TDOR should be contacted (see contact information below) prior to any removal of impacted soils or groundwater to ensure proper management and disposal of the removed materials. This Notice is to be filed with the Shelby County register of deeds whom shall record it and index it in the grantor index under the names of the owners of the land.

Concerned persons may contact the Manager, State Remediation Program; Tennessee Division of Remediation; 5th Floor, L & C Tower; 401 Church Street; Nashville, Tennessee 37243-1535; Telephone: (615) 532-0853; Fax: (615) 532-0886.

Witnesseth:

WHEREAS, Mr. Gary D. Steen (the "Grantor") is the owner of the real property located as described below and in Attachment 1, and hereinafter referred to as the "Property," and

WHEREAS, the Property has been found to contain disposed petroleum wastes even though no further actions to protect human health and the environment are necessary; and

NOW, THEREFORE, in consideration of the foregoing, the Grantor hereby declares that this Notice shall be applied to the Property, or the impacted portions thereof, as such is held, sold, and conveyed by all parties having any right, title, or interest in the Property or any impacted part thereof, their heirs, successors, successors-in-title, and assigns.

Location of Wastes:

The Site is located at 423 North Dunlap Street in Memphis, Shelby County, Tennessee. Specifically, the Site is located at the southeastern corner of the intersection of North Dunlap Street and the former L&N Railroad; the Site location is shown on the USGS topographic map presented on Figure 1. Impacted portions of the Site are included on Figures 6 through 10.

The legal description of property was obtained from the Shelby County register of deeds and is listed below:

Beginning at a point in the east line of Dunlap Street (72' wide), said point being 200' north of the tangent intersection of the east line of Dunlap and the north line of Lane

Ave.; thence N 00 degrees 07 minutes 45 seconds E along the east line of Dunlap Street a distance of 135.53' to a point; thence S 87 degrees 38 minutes 17 seconds E along a line parallel to the old abandon Memphis and Ohio Railroad Track a distance of 140.86' to a fence; thence S 01 degree 12 minutes 18 seconds E along the west line of 15' alley a distance of 127.02' (call = 135.10') to a fence corner; thence S 88 degrees 53 minutes 15 seconds W along the north line of Lot 80 a distance of 143.74' (call = 141.98') to the point of beginning, containing 18,633 square feet or 0.428 acres.

Term and Termination:

This Notice of Petroleum Waste Present shall run with the Property, or impacted portions thereof, unless/until this Declaration shall be canceled by the TDOR Director upon a finding by the TDOR that the petroleum wastes have been removed or have dissipated or degraded such that they are no longer obviously present. No such termination of this Notice shall be effective until such instrument terminating this Notice is recorded by the Shelby County Register of Deeds.

IN WITNESS WHEREOF, the undersigned has executed this instrument this 21st day of October, 2005

[Name of Owner/Grantor]

By: _____

Signature

GARY D. STEEN

Printed Name

President / CEO

Title

STATE OF TENNESSEE)
)
COUNTY OF Shelby)

BEFORE ME, a Notary Public in and for the said State and County, personally appeared GARY D. STEEN, with whom I am personally acquainted or whose identity was proven to me on the basis of satisfactory evidence, and who, upon oath, acknowledged himself to be the President / CEO, the within named bargainor, and that he, as such officer, being authorized so to do, executed the foregoing instrument for the purposes therein contained, by signing the name of GARY D STEEN, by himself as such officer.

WITNESS my hand and official seal at office in the State and County aforesaid on this the 21 day of October, 2005

Notary Public

My commission Expires: 2-12-08

STATE OF TENNESSEE
DEPARTMENT OF ENVIRONMENT AND CONSERVATION
Division of Solid Waste Management
Fifth Floor, L & C Tower
401 Church Street
Nashville, Tennessee 37243 – 1535

April 8, 2009

Michael Wexler
Southern Steel
475 N. Dunlap
Memphis, TN 38105

re: Southern Steel/Dunlap Auto Salvage
Memphis, Tennessee
SRS – 01072

Dear Mr. Wexler,

The State Remediation Program (SRP) has received all required documentation to complete the Brownfield Agreement (BA) package for the aforementioned site. The BA is signed and in force, and there is No Further Action (NFA) required to be taken on this process. If you have any questions, or comments, please feel free to contact me at (615) 532-0327.

Sincerely,

Roy D. Crowder

Roy D. Crowder, Ph.D.
Environmental Specialist

cc: Robert Steele
Doug Woods

STATE OF TENNESSEE
DEPARTMENT OF ENVIRONMENT AND CONSERVATION
Division of Solid Waste Management
Fifth Floor, L & C Tower
401 Church Street
Nashville, Tennessee 37243 – 1535

March 1, 2011

Ms. Barbara Timm-Brock
Churchs' Chicken
980 Hammond Dr. NE
Suite 1100
Atlanta, Georgia 30328

Dear Ms. Timm-Brock:

I am sending this is in reference to the 925 Poplar Avenue property in Memphis, Tennessee; the site was entered into the State Remediation Program (1998) due to the presence of petroleum-related compounds associated with the past use of the property and former UST locations. This serves as notification that the 925 Poplar Avenue property, known in our files as Churchs' Fried Chicken SRS-0379, is now classified as inactive and no further action with regard to the historic petroleum-related contamination is required. Please contact me at (615) 532-0860, or at danny.fox@tn.gov if you have any questions.

Sincerely,

Danny Fox
State Remediation Program

cc: Mike Pisarik, Giles Eng.
File

STATE OF TENNESSEE
DEPARTMENT OF ENVIRONMENT AND CONSERVATION
Division of Solid Waste Management
Fifth Floor, L & C Tower
401 Church Street
Nashville, Tennessee 37243 – 1535

November 17, 2009

William Stewart, Sr. Project Director
Corporate Facilities Management
Methodist LeBonheur Healthcare
4735 Spottswood, Suite 201
Memphis, Tennessee 38117

RE: Memphis Mental Health Institute, Memphis, TN, SRS 01119

Dear Mr. Stewart:

The Division has received and reviewed the Request for no Further Action status, for the Memphis Mental Health Institute site, located in Memphis, Tennessee. Based on the information supplied to the Division, the Division has determined that no further action is warranted at the site with regard to this issue. However, if additional information should be discovered at the facility, the Division reserves the right to reevaluate the no further action status of the site.

If you have any questions regarding this matter or wish to discuss this further, please feel free to contact Peter Bobo, State Remediation Program (615) 532-9304.

Sincerely,

Peter Bobo
State Remediation Program
Division of Solid Waste Management

cc: SRP Files

ENVIRONMENTAL ASSISTANCE CENTER
TENNESSEE DEPARTMENT OF ENVIRONMENT AND CONSERVATION
SUITE E-645, PERIMETER PARK
2510 MT. MORIAH ROAD
MEMPHIS, TENNESSEE 38115-1520
PHONE (901) 368-7939 STATEWIDE 1-888-891-8332 FAX (901) 368-7979

July 1, 1999

Mr. Steve Wilensky
UT Medical Group
Behavioral Health Hospital
135 North Pauline Street
Memphis, TN 38105

RE: Final Approval of UST Closure
Behavioral Health Hospital
135 North Pauline Street, Memphis, TN
Facility ID #9-791029, Shelby County

Dear Mr. Wilensky:

The Division of Underground Storage Tanks has received the Permanent Closure Report for the referenced facility. The analytical results do not indicate contamination above the applicable cleanup levels. Based on the information available, the #1 2,000 gallon diesel UST approved for closure on the application dated December 2, 1998 can be considered closed. At this time no further investigation is required. However, the Division reserves the right to require additional action if necessary.

Rule 1200-1-15-.02(3)(a) requires owners/operators to notify the Division of any changes (removal, change-in-service, new installation, etc.) made in the UST system.

Information is available at *www.state.tn.us/environment/ust*

If you have any questions concerning this correspondence, call 368-7972.

Sincerely,

David Groce

David Groce
Division of Underground Storage Tanks

c: Nashville UST Central Office - Fee and Notification Section
Memphis UST Environmental Assistance Center

fo-020i

TENNESSEE DEPARTMENT OF ENVIRONMENT AND CONSERVATION
MEMPHIS ENVIRONMENTAL FIELD OFFICE
8383 WOLF LAKE DRIVE
BARTLETT, TN 38133-4119
PHONE (901) 371-3000 STATEWIDE 1-888-891-8332 FAX (901) 371-3170

August 28, 2015

Orion Federal Credit Union
C/o: Jason Lee
7845 Highway 64
Memphis, TN 38133

Re: Final Approval of Contaminated Closure
Poplar Avenue PB
821 Poplar Avenue
Facility ID # 9-791083, Case #4, Shelby County

Dear Mr. Lee:

The Division of Underground Storage Tanks (Division) has received the Permanent Closure Report (PCR) dated July 31, 2015 for the referenced facility. Based on the information available, tank #1, #2, #3 and #4 all 10,000 gallon gasoline tanks removed on April 30, 2015 and tanks #5 and #6 both 550 gallon fuel oil tanks removed on May 6, 2015 can be considered closed. The Division will require no further action at this time, unless new information is discovered substantially changing the facts as we know them today.

Rule 0400-18-01-.03(1)(g) states, in part: "Any change in the status of the tanks at a petroleum UST facility shall be reported within thirty (30) days of said change. This includes but is not limited to changes of ownership, upgrading or replacement of tanks, changes in mailing address, permanent closure of a tank compartment, and changes in service. Such reports shall be made using an amended notification form."

If an amended notification form has not been submitted, then complete and mail the form to:

Central Office Notification Section
Tennessee Department of Environment and Conservation
Division of Underground Storage Tanks
William R. Snodgrass TN Tower

312 Rosa L. Parks Avenue, 12th Floor
Nashville, Tennessee 37243-1541

If soils are excavated and removed from the UST site for use at another location, then the Division of Solid Waste Management must be contacted regarding the proper disposal and/or use of those soils.

All forms and guidance are available at http://tn.gov/environment/section/underground-storage-tanks

If you have any questions concerning this correspondence, please do not hesitate to contact me at 901-371-3161.

Sincerely,

Roshanda Forsythe
Division of Underground Storage Tanks

c: Shawn Poole-SCS Environmental Group, LLC, 114 Bailey Drive, Olive Branch, Mississippi, 38654
MEFO Closure File # 9-791083, Case #4

FO-009 07012015 FINAL

STATE OF TENNESSEE
DEPARTMENT OF ENVIRONMENT AND CONSERVATION
Division of Remediation
William R. Snodgrass TN Tower
312 Rosa L. Parks Avenue, 14th Floor
Nashville, Tennessee 37243

October 26, 2016

Kirk Northcutt
Auto-Chlor System, LLC
746 Poplar Avenue
Memphis, TN 38105

Re: Letter of No Further Action
Auto-Chlor
Site ID# 79-774

Dear Mr. Northcutt

This letter acknowledges completion of the Agreed Actions required of Auto-Chlor System, LLC in the Brownfield Voluntary Agreement dated September 19, 2016, and relating to the property located at 746 Poplar Avenue, Memphis, Tennessee. In consideration of the investigations and remedial actions conducted under the Brownfield Voluntary Agreement, the Department shall require no further action of Auto-Chlor System, LLC for the Site so long as the recorded land use restrictions are observed. As a reminder, the land use restrictions do not allow for groundwater located on, under or from a designated portion of the Site, as provided in the Notice of Land Use Restriction, to be used without approval from the Division.

The Division appreciates the efforts Auto-Chlor System, LLC took to address the environmental issues identified at the above referenced property. If we can be of further assistance please contact Evan Spann at Evan.W.Spann@tn.gov or 615-532-0919.

Sincerely,

Steve Goins
Director, TDEC Division of Remediation

cc: NCO/VOAP

FILE COPY

Department of Environment and Conservation
Division of Remediation
Drycleaner Environmental Response Program
4th floor L & C Annex, 401 Church Street
Nashville, Tennessee 37243

November 13, 2007

Mr. Henry Cannon
Manitou Investment Company, Inc.
P.O. Box 172285
Memphis, Tennessee 38187-2285

Subject: Former Spic-N-Span Cleaners, Facility ID No. D-79-217
813 Poplar Avenue, Memphis, Tennessee

Re: Response Complete Letter

Notice to Proceed with Well Abandonment Work Plan and Cost Estimate, Not to Exceed $500.00

Dear Mr. Cannon:

The Drycleaner Environmental Response Program (DCERP) is pleased to inform you that based on our review of the Prioritization Investigation (PI) Report, Solvent Impact Assessment (SIA) Report, Groundwater Monitoring Reports and the Indoor Air Quality Monitoring Report, we have determined that no further remedial response is necessary at Spic-N-Span Cleaners. This determination was based on the absence of drycleaning contaminants in the soil and the low levels of contamination in the groundwater. Site conditions and findings are described in the Response Complete Summary (RCS).

The Response Complete Summary (RCS) was prepared by the DCERP staff and signed by the Division Director. This document provides a summary of the relevant investigations that have been completed under the DCERP. The attached copy is provided for your information and use. The original RCS will be maintained in the agency files.

This site will return to non-fund eligible status once the DCERP installed wells located on site are abandoned in accordance with State requirements, and any investigation-derived waste (IDW) generated by DCERP authorized work has been disposed of, and the final reimbursement

request has been submitted to DCERP. We are authorizing MES $500.00 to provide DCERP with a cost estimate to abandon site wells and dispose of any remaining IDW.

If future investigations find contamination attributable to drycleaner-related site operations, you may re-apply to the Fund, if necessary. Based on currently available site information, we are confident that this site does not represent a threat to the environment.

We appreciate your dedication and perseverance in seeing this project through to completion and thank you for ensuring that the environment is protected for future generations of Tennesseans. If you have any questions regarding this letter or the RCS, please contact me at 615.741.4998 or Nancy Boisvert, Program Manager, at 615.253.3876.

Sincerely,

James D. Gilbert, P.G
Assistant Program Manager/Project Manager
Drycleaner Environmental Response Program

cc: Mr. F. Thomas Moring, Jr.
Moring Environmental Service, LLC
4691 Normandy Lane
Memphis, Tennessee 38117

Enclosure: Response Complete Summary

TENNESSEE DEPARTMENT OF ENVIRONMENT AND CONSERVATION
MEMPHIS ENVIRONMENTAL FIELD OFFICE
8383 WOLF LAKE DRIVE
BARTLETT, TN 38133-4119
PHONE (901) 371-3000 STATEWIDE 1-888-891-8332 FAX (901) 371-3170

May 9, 2018

Extra Seven Eleven Inc.
C/o: Mr. Samuel Haile
777 Poplar Avenue
Memphis, TN 38105

Re: Contamination Case Closed
Extra Seven Eleven Inc.
777 Poplar Avenue, Memphis, TN 38105
Facility ID #9-791539, Shelby County

Dear Mr. Haile:

The Division of Underground Storage Tanks (Division) has reviewed the April 26, 2018 Monitoring Well Abandonment Report for the referenced facility. The Division will require no further action at this time based on the information available, unless new information is discovered substantially changing the facts as we know them today.

If soils are excavated and removed from the UST site for use at another location, then the Division of Solid Waste Management must be contacted regarding the proper disposal and/or use of those soils.

All forms and guidance are available at http://tn.gov/environment/section/underground-storage-tanks

If you have any questions concerning this correspondence, please do not hesitate to contact me at (901) 371-3124.

Tell us how we're doing! Please take 5-10 minutes to complete our customer survey form at http://tn.gov/environment/article/contact-tdec-customer-service-form

Sincerely,

Karim Bouzeid
Division of Underground Storage Tanks

c: Steve Murphey-SEMS, 1683 North Shelby Oaks Drive, Suite 1, Memphis, TN 38134.
MEEFO Case File # 9-791539

STATE OF TENNESSEE
DEPARTMENT OF ENVIRONMENT AND CONSERVATION
MEMPHIS ENVIRONMENTAL FIELD OFFICE
SUITE E-645, PERIMETER PARK
2510 MT. MORIAH
MEMPHIS, TENNESSEE 38115-1520

February 26, 1996

CERTIFIED MAIL Z 206 458 335
RETURN RECEIPT REQUESTED

Mr. Ned Turner
City of Memphis
281 East Parkway North
Memphis, TN 381123-5499

RE: Final Approval of UST Closure
City of Memphis Fire Department/Air Mask Services
1010 Faxon Avenue, Memphis, TN
FID # 9-791109, Shelby County

Dear Mr. Turner:

The Division of Underground Storage Tanks has received the analytical results dated September 23, 1991, from the closure assessment for the above referenced facility. The results do not indicate contamination above the applicable cleanup levels. Based on the information available, UST # 1 (500 gallon diesel), approved for closure on the application dated August 22, 1991, can be considered closed. At this time no further investigation is required. However, the Division reserves the right to require additional action if necessary.

Rule 1200-1-15-.02(3)(a) requires owners/operators to notify the Division of any changes (removal, change-in-service, new installation, etc.) made in the UST system. Since a notification form showing the tank has been permanently closed and removed from the ground has already been submitted to the Nashville Central Office, this completes the closure process.

We certainly appreciate the cooperation you have given this office. If we can be of further assistance, or if you have any questions concerning this correspondence, please give me a call at (901) 368-7991.

Sincerely yours,

Chuck Nance, Environmental Specialist
Division of Underground Storage Tanks

cc: MFO/UST Closure File

FILE ARCHIVED

FACILITY ID NO. 9-792354

DATE 06/09/06

ENVIRONMENTAL ASSISTANCE CENTER
TENNESSEE DEPARTMENT OF ENVIRONMENT AND CONSERVATION
SUITE E-645, PERIMETER PARK
2510 MT. MORIAH ROAD
MEMPHIS, TENNESSEE 38115-1520
PHONE (901) 368-7939 STATEWIDE 1-888-891-8332 FAX (901) 368-7979

February 6, 2002

Mr. Claude Bynum
The Regional Medical Center
842 Jefferson Avenue
Memphis, TN 38103

Re: Contamination Case Closed
Regional Medical Center
877 Jefferson Avenue, Memphis, TN
Facility ID # 9-792354, Shelby County

Dear Mr. Bynum:

The Division of Underground Storage Tanks (Division) has reviewed the Permanent Closure Report and Results of Technical Guidance Document - 011 for the referenced facility. Based on the information available, this contamination case is considered closed. However, the Division reserves the right to require additional action if necessary.

Information is available at *www.state.tn.us/environment/ust*.

If you have any questions concerning this correspondence, call (901) 368-7974.

Sincerely,

R. Jeff Phillips
Division of Underground Storage Tanks

c: Briggs Evans – SECOR (Franklin, TN)
UST Central Office - Technical File
Memphis EAC Closed File # 9-792354

FO-010 / 061900(FINAL)

TENNESSEE DEPARTMENT OF ENVIRONMENT AND CONSERVATION
MEMPHIS ENVIRONMENTAL FIELD OFFICE
8383 WOLF LAKE DRIVE
BARTLETT, TN 38133-4119
PHONE (901) 371-3000 STATEWIDE 1-888-891-8332 FAX (901) 371-3170

August 18, 2015

Richard Kanschat
Le Bonheur Faculty Office Building
824 Adams St.
Memphis, TN 38103

Re: Final Approval of Non-Contaminated Closure
Le Bonheur Faculty Office Building
824 Adams St. Memphis, TN
Facility ID # 9-799039, Shelby County

Dear Mr. Kanschat:

The Division of Underground Storage Tanks (Division) has received the August 17, 2015 Permanent Closure Report for the referenced facility. The analytical results do not indicate contamination above the Initial Screening Levels. Based on the information available, tank #1 1000 gallon unknown petroleum and tank #2 500 gallon unknown petroleum that were removed on August 12, 2015 can be considered closed. The Division will require no further action at this time, unless new information is discovered substantially changing the facts as we know them today.

Rule 0400-18-01-.03(1)(g) states, in part: "Any change in the status of the tanks at a petroleum UST facility shall be reported within thirty (30) days of said change. This includes but is not limited to changes of ownership, upgrading or replacement of tanks, changes in mailing address, permanent closure of a tank compartment, and changes in service. Such reports shall be made using an amended notification form."

If an amended notification form has not been submitted, then complete and mail the form to:

Central Office Notification Section
Tennessee Department of Environment and Conservation
Division of Underground Storage Tanks
William R. Snodgrass Tennessee Tower
312 Rosa L. Parks Avenue, 12th Floor
Nashville, TN 37243

All forms and guidance are available at www.tn.gov/environment/ust

If you have any questions concerning this correspondence, please contact me at (901) 543-7729.

Sincerely,

Jarrod Slaughter

Jarrod Slaughter
Division of Underground Storage Tanks

c: Luke Hall- Tioga Environmental Consultants, 357 N. Main St., Memphis, TN 38103
Richard Kelley- Corporate Facilities Management, 8075 Club Parkway, Cordova, TN 38016
Nashville UST Central Office Notification Section
MEFO Closure File # 9-799039

FO-020 03072012 FINAL

ENVIRONMENTAL ASSISTANCE CENTER
TENNESSEE DEPARTMENT OF ENVIRONMENT AND CONSERVATION
SUITE E-645, PERIMETER PARK
2510 MT. MORIAH ROAD
MEMPHIS, TENNESSEE 38115-1520
PHONE (901) 368-7939 STATEWIDE 1-888-891-8332 FAX (901) 368-7979

September 13, 2000

Mr. Robert Minor
Kemmons Wilson Companies
1629 Winchester Road
Memphis, TN 38110-3504

Re: Contamination Case Closed
Former Scott's Union 76
749 North Parkway, Memphis, TN
Facility ID #9-790606, Shelby County

Dear Mr. Minor:

The Division of Underground Storage Tanks (Division) has reviewed the August 23, 2000 Initial Abatement Report for the referenced facility. Based on the information available, this contamination case is considered closed. However, the Division reserves the right to require additional action if necessary.

Information is available at *www.state.tn.us/environment/ust*.

If you have any questions concerning this correspondence, call (901) 368-7972.

Sincerely,

David Groce

David Groce
Division of Underground Storage Tanks

c: ETCA Environmental – Matt Britt
UST Central Office - Technical File
Memphis EAC

FO-010 / 061900(FINAL)

ENVIRONMENTAL ASSISTANCE CENTER
TENNESSEE DEPARTMENT OF ENVIRONMENT AND CONSERVATION
SUITE E-645, PERIMETER PARK
2510 MT. MORIAH ROAD
MEMPHIS, TENNESSEE 38115-1520
PHONE (901) 368-7939 STATEWIDE 1-888-891-8332 FAX (901) 368-7979

October 2, 2000

Ms. Jean Saylor
2245 Spring Hollow Lane
Germantown, TN 38139

RECEIVED
OCT 10 2000
UNDERGROUND

Re: Final Approval of Contaminated Closure
Superstop
945 Jackson Avenue, Memphis, TN
Facility ID #9-791890, Shelby County

Dear Ms. Saylor:

The Division of Underground Storage Tanks (Division) has received the September 18, 2000 stockpile removal report for the referenced facility. Based on the information available, the #1 6,000 gallon gasoline, #2 6,000 gallon gasoline, and #3 4,000 gallon gasoline approved for closure on the August 22, 1997 application can be considered closed. However, the Division reserves the right to require additional action if necessary.

Rule 1200-1-15-.02(3)(h) states, in part: "Any change in the status of the tanks at a petroleum UST facility shall be reported within thirty (30) days of said change. This includes but is not limited to changes of ownership, upgrading or replacement of tanks, changes in mailing address, and changes in service. Such reports shall be made using an amended notification form."

If an amended notification form has not been submitted, complete and mail the enclosed form to the Nashville Central Office.

Information is available at *www.state.tn.us/environment/ust*.

If you have any questions concerning this correspondence, call (901) 368-7972.

Sincerely,

David Groce

David Groce
Division of Underground Storage Tanks

c: SCS Environmental
UST Central Office – Fees & Notification File
Memphis EAC

Appendix G
Miscellaneous Supporting Documents

PROPOSAL CLIENT CHECKLIST
ASTM E 1527-13 Phase I Environmental Site Assessment

Mark X	1. Applicability
	Please identify from the list below all applicable reasons for requesting this Phase I Environmental Site Assessment:
☐	a. Person seeking to establish the innocent landowner defense to CERCLA
☐	b. Person seeking to establish the bona fide prospective purchaser liability protection
☐	c. Person seeking to establish the contiguous property owner liability protection
☐	d. Person conducting site characterization and assessments with the use of a (Brownfields) grant awarded under CERCLA
☒	e. As part of due diligence prior to purchase
☒	f. To obtain financing
☐	g. Prior to selling the property
☐	h. Renewing a lease
☐	i. Terminating a lease or vacating a property
☐	j. In anticipation of a property/business ownership transaction
☐	k. To establish baseline conditions at the property
☐	l. To identify potential business environmental risks associated with the property
☒	m. Other (please explain) (4% LIHTC Application with THDA)

Yes	No	2. Communication Responsibilities
		The user of the Phase I ESA is responsible for obtaining the following information that will help the environmental professional (EnSafe) identify the possibility of recognized environmental conditions. Answers may be conveyed verbally or in writing.
☒	☐	a. Are there any environmental cleanup liens or activity and land-use limitations filed or recorded against the subject property under federal, tribal, state, or local law, based on review of recorded land titles and judicial lien records? If yes, **<enter text here>** Title Review is under way. to determine any and all environmental cleanup liens or activity and land-use limitations filed or recorded against the subject property. Entire site is subject to BVA
☒	☐	b. Do you have any specialized knowledge or experience related to the property or nearby properties? For example, are you involved in the same line of business as the current or former occupants of the property or an adjoining property so that you would have specialized knowledge of the chemicals and processes used by this type of business? If yes, **<enter text here>** Property was subject to environmental remediation as part of redevelopment project. Specific site is subject to a witness barrier (part of O&M Plan). Conducting ESA Phase I to determine any environmental issues on remaiing portion as part of due diligence for Tax Credit Application
☐	☐	c. Does the purchase price being paid for this property reasonably reflect the fair market value of the property? In other words, what is the relationship of the purchase price to the fair market value of the property, if the property were not contaminated? Long-term , nominal ground lease anticipated with the land owner (Memphis Housing Authority) - as part of Tax Credit Transaction (New Construction)
☐	☐	If you conclude that there is a difference, is the lower purchase price related to contamination that is known or believed to be present at the property? N/A
☒	☐	d. Are you aware of commonly known or reasonably ascertainable information about the property that would help the environmental professional to identify conditions indicative of releases or threatened releases? For example, (i.) What are the past uses of the property? Former Public Housing Site (ii.) What specific chemicals are present or once were present at the property? (iii.) Do you know of spills or other chemical releases that have taken place at the property? (iv.) Do you know of any environmental cleanups that have taken place at the property? (v.) Do you have other information relevant to the ESA? **<enter text here>**
☒	☐	e. Based on your knowledge and experience related to the property are there any obvious indicators that point to the presence or likely presence of releases at the property? If yes, **<enter text here>** The overall site is subject to a Brownfield Voluntary Agreement and a witness barrier/O&M Plan that was provided to the environmental consultant. A portion of the specific site has a witness barrier delineated area.

Mark X	3. Special Reporting Requirements (if applicable)
	Specify whether you, your client, and/or lender have special requirements for the ESA, beyond that of 40 CFR 312.
☒	a. No additional requirements apply to this Phase I ESA.
☒	b. Additional requirements apply and have been attached. Project has HUD financing and NHTF financing

PROPOSAL CLIENT CHECKLIST
ASTM E 1527-13 Phase I Environmental Site Assessment

Mark X	4. ASTM Non-Scope Consideration and Risk Issues
	Please review the following list of business environmental risk issues. If you desire any of these issues be addressed, please check the appropriate box, and an EnSafe representative will contact you, as necessary, to discuss further and determine whether modifications to the attached cost estimate will be necessary.
☐	a. Asbestos-Containing Materials — See HUD, NHTF & THDA Guidelines for ESA Phase I Reports
☐	b. Biological Agents
☐	c. Cultural and Historic Resources
☐	d. Ecological Resources
☐	e. Emerging contaminants (including substances not defined by CERCLA as hazardous substances, e.g., PFAS)
☐	f. Endangered Species
☐	g. Environmental Regulatory Compliance
☐	h. Health and Safety Compliance
☐	i. Indoor Air Quality
☐	j. Industrial Hygiene
☐	k. Lead-Based Paint
☐	l. Lead in Drinking Water
☐	m. Mold
☐	n. Radon
☐	o. Vapor Intrusion
☐	p. Wetlands
☐	q. Other (please specify) **<enter text here>**
☐	r. We do not desire additional consideration for non-scope items in the Phase I ESA report.

Yes	No	5. SBA Environmental Investigation
☐	☒	Is this Phase I ESA being conducted to satisfy environmental policy requirements of the Small Business Administration (SBA), or is SBA otherwise involved in lender or development aspects of this property?

6. Report Addressed

Please specify the following information for each person/company/entity to which the report must be addressed. This information will appear on the title page of the report.

Name: Brian Thomas
Title: Developer
Company: Pennrose
Address: 675 Ponce de Leon Avenue, NE, Suite 8500,
City, State Zip: Atlanta, GA, 30308
Phone: 404-759-1733
Email: bthomas@pennrose.com

7. Report Distribution

Reports will be provided electronically, unless otherwise specified. Email reports to: bthomas@pennrose.com; mstraub@pennrose.com
If hard copies are requested, please provide name, company, and shipping address: dpayne@memphisha.org; lphillips@memphisha.org

8. Site Contact(s)

Please identify contact information for EnSafe to gain access to the property:

Deborah Payne, Memphis Housing Authority
Phone: 901-544-1827

Mike Swindle, Memphis Housing Authority
Phone: 901-544-1804

9. Property Location Description

Please provide a site description and/or "as-is" site map showing the property boundaries and developments.

Provided previously

Appendix H
Photo Log

Phase I Environmental Site Assessment
Legends Park Subdivision
Block A
Memphis, Tennessee

Photo 1: View of the subject property looking west from the east.

Photo 2: Looking north along the east side of the subject property; note the elevation difference along the perimeter.

Photo 3: View of the east-adjoining Decatur Street and Columbus Baptist Church.

Photo 4: View of the subject property looking west from the south-central portion.

Photo 5: View of the subject property (background) from the west-adjoining property (foreground), looking east.

Photo 6: View of the south portion of the subject property along Red Sox Lane; note the south-adjoining Delmar Avenue and Legends Park townhomes.

Photo 7: View of the south-adjoining Legends Park Apartments and playground.

Photo 8: Pile of tires observed along the east property boundary (arrow).

Photo 9: Note the discarded tire along the east property boundary (arrow).

Photo 10: Looking north along Ayers Street; note the sewer manhole at the northwestern corner of the west-adjoining property boundary (arrow).

Appendix I

ASTM Non-Scope

Attachment 1
SHPO Letter

TENNESSEE HISTORICAL COMMISSION
STATE HISTORIC PRESERVATION OFFICE
2941 LEBANON PIKE
NASHVILLE, TENNESSEE 37243-0442
OFFICE: (615) 532-1550
www.tnhistoricalcommission.org

February 15, 2022

Ms. Allison L. Harris
Ensafe
5724 Summer Trees Drive
Memphis, TN 38134

RE: HUD / Department of Housing and Urban Development, Edgeview at Legends Park, Senior Affordable Housing, 945 Peach Avenue, Memphis, Shelby County, TN

Dear Ms. Harris:

In response to your request, we have reviewed the documents you submitted regarding your proposed undertaking. Our review of and comment on your proposed undertaking are among the requirements of Section 106 of the National Historic Preservation Act. This Act requires federal agencies or applicant for federal assistance to consult with the appropriate State Historic Preservation Office before they carry out their proposed undertakings. The Advisory Council on Historic Preservation has codified procedures for carrying out Section 106 review in 36 CFR 800 (Federal Register, December 12, 2000, 77698-77739).

After considering the documentation submitted, it is our opinion that there are no National Register of Historic Places listed or eligible properties affected by this undertaking. We have made this determination because either: no National Register listed or eligible Historic Properties exist within the undertaking's area of potential effects, the specific location, size, scope and/or nature of the undertaking and its area of potential effects precluded affects to Historic Properties, the undertaking will not alter any characteristics of an identified eligible or listed Historic Property that qualify the property for listing in the National Register, or it will not alter an eligible Historic Property's location, setting or use. We have no objections to your proceeding with your undertaking.

If your agency proposes any modifications in current project plans or discovers any archaeological remains during the ground disturbance or construction phase, please contact this office to determine what further action, if any, will be necessary to comply with Section 106 of the National Historic Preservation Act. If you are applying for federal funds, license or permit, you should submit this letter as evidence of consultation under Section 106 to the appropriate federal agency, which, in turn, should contact us as required by 36 CFR 800. If you represent a federal agency, you should submit a formal determination of eligibility and effect to us for comment. You may direct questions or comments to ((615) 687-4780, Jennifer.Barnett@tn.gov). This office appreciates your cooperation.

Sincerely,

E. Patrick McIntyre, Jr.
Executive Director and
State Historic Preservation Officer

EPM/jmb

Attachment 2
NRCS Soil Map

ATTACHMENT 2
NRCS WEB SOIL SURVEY MAP
LEGENDS PARK SUBDIVISION
BLOCK A
MEMPHIS, TENNESSEE

LEGEND

Gr GRADED LAND, SILTY MATERIALS (UDORTHENT, SILTY)

SUBJECT PROPERTY/REDUCED PARCEL BOUNDARY

NAD 1983 STATE PLANE TENNESSEE FEET

0 50 100

SCALE IN FEET

REQUESTED BY:	AC
DRAWN BY:	MS
DATE:	2/17/2022
PROJECT:	0888830988

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Creative thinking.Custom solutions.
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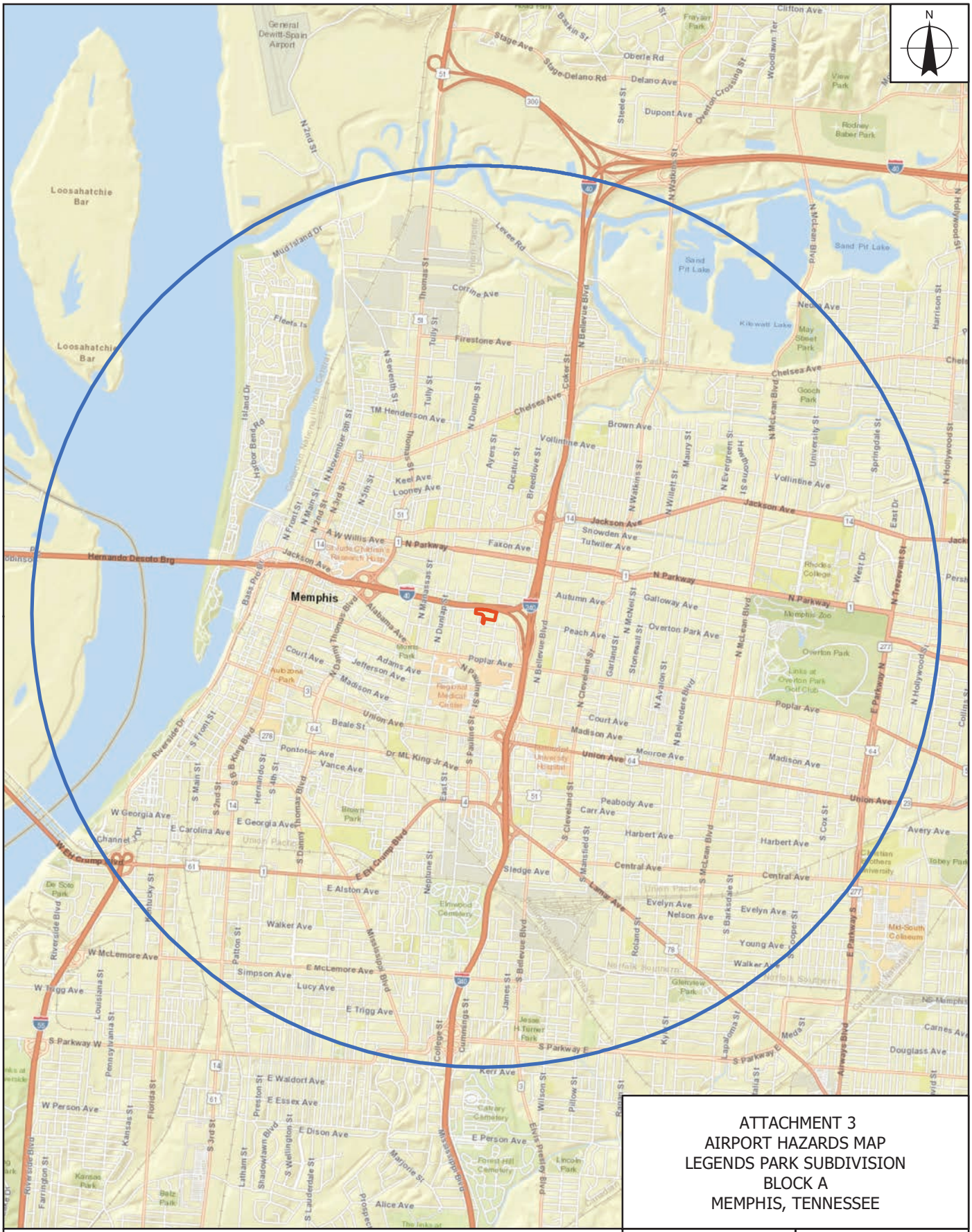
X:\LegendPark\Soil_Map.mxd

Source: Esri, Maxar, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, and the GIS User Community; Soils- https://websoilsurvey.sc.egov.usda.gov/App/WebSoilSurvey.aspx

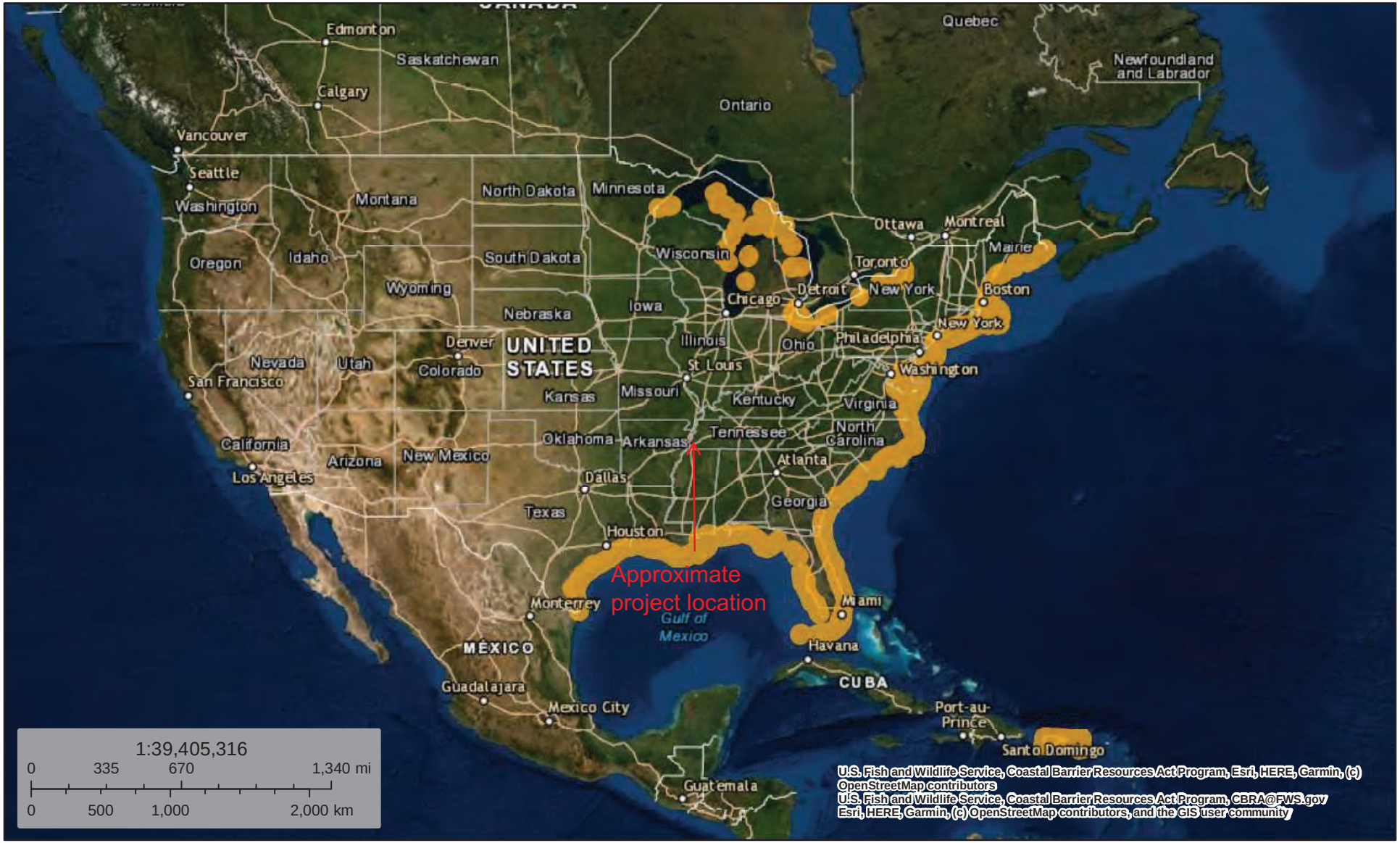
Attachment 3
Airport Hazards


N
Memphis
Loosahatchie Bar
General Dewitt-Spain Airport
Hernando Desoto Brg
Mud Island Dr
Levee Rd
Corinne Ave
Firestone Ave
TM Henderson Ave
Keel Ave
Looney Ave
Vollintine Ave
Chelsea Ave
Brown Ave
Jackson Ave
A W Willis Ave
N Parkway
Faxon Ave
Snowden Ave
Tutwiler Ave
Autumn Ave
Galloway Ave
Peach Ave
Overton Park Ave
Poplar Ave
Court Ave
Madison Ave
Union Ave
Monroe Ave
Beale St
Pontotoc Ave
Vance Ave
Dr ML King Jr Ave
Peabody Ave
Carr Ave
Harbert Ave
Central Ave
Sledge Ave
E Alston Ave
Walker Ave
W McLemore Ave
E McLemore Ave
Simpson Ave
Lucy Ave
W Trigg Ave
E Trigg Ave
S Parkway W
S Parkway E
Kerr Ave
E Waldorf Ave
E Essex Ave
E Dison Ave
E Person Ave
W Person Ave
Alice Ave
Evelyn Ave
Nelson Ave
Young Ave
Avery Ave
Douglass Ave
Carnes Ave
Delano Ave
Dupont Ave
Overton Crossing St
Clifton Ave
Sand Pit Lake
Ridgewatt Lake
Rodney Baber Park
May Street Park
Gooch Park
Rhodes College
Memphis Zoo
Overton Park
Links at Overton Park Golf Club
Mid-South Coliseum
Elmwood Cemetery
Calvary Cemetery
Forest Hill Cemetery
Lincoln Park
Jesse H Turner Park
Glenview Park
Bass Pro Dr
Riverside Dr
S Front St
S Main St
S 2nd St
S 4th St
S B B King Blvd
Hernando St
S Danny Thomas Blvd
N Danny Thomas Blvd
N Bellevue Blvd
S Bellevue Blvd
N Dunlap St
S Dunlap St
N Main St
N 2nd St
N 3rd St
N 5th St
N Seventh St
N November 9th St
N Thomas St
N Front St
N Mallassas St
S Pauline St
N Cleveland St
S Cleveland St
N McNeil St
Stonewall St
N Avalon St
N Belvedere Blvd
N McLean Blvd
S McLean Blvd
N Watkins St
N Willett St
N Maury St
N Evergreen St
N Hawkins St
N Decatur St
N Breedlove St
N Ayers St
N Tully St
S Tully St
N Thomas St
N Front St
N Trezevant St
N Hollywood St
Harrison St
University St
Springdale St
East Dr
West Dr
Riverside Blvd
Kentucky St
Mississippi Blvd
Patton St
Louisiana St
Pennsylvania St
Florida St
Kansas St
S 3rd St
Latham St
Shadowlawn Blvd
S Wellington St
S Lauderdale St
Marjorie St
Preston St
Wilson St
Pillow St
College St
Cummings St
James St
Roland St
Lamar Ave
S Barksdale St
S Cox St
S Mansfield St
Cooper St
Airways Blvd
Media St
Lapaloma St
Ky St
Neptune St
Danny Thomas Blvd
Sand Pit Lake
Union Pacific
Norfolk Southern
Union Pacific
Union Pacific
Union Pacific

Attachment 4
Coastal Barrier Resource Map

U.S. Fish and Wildlife Service
Coastal Barrier Resources System

Coastal Barrier Resource System



August 13, 2019

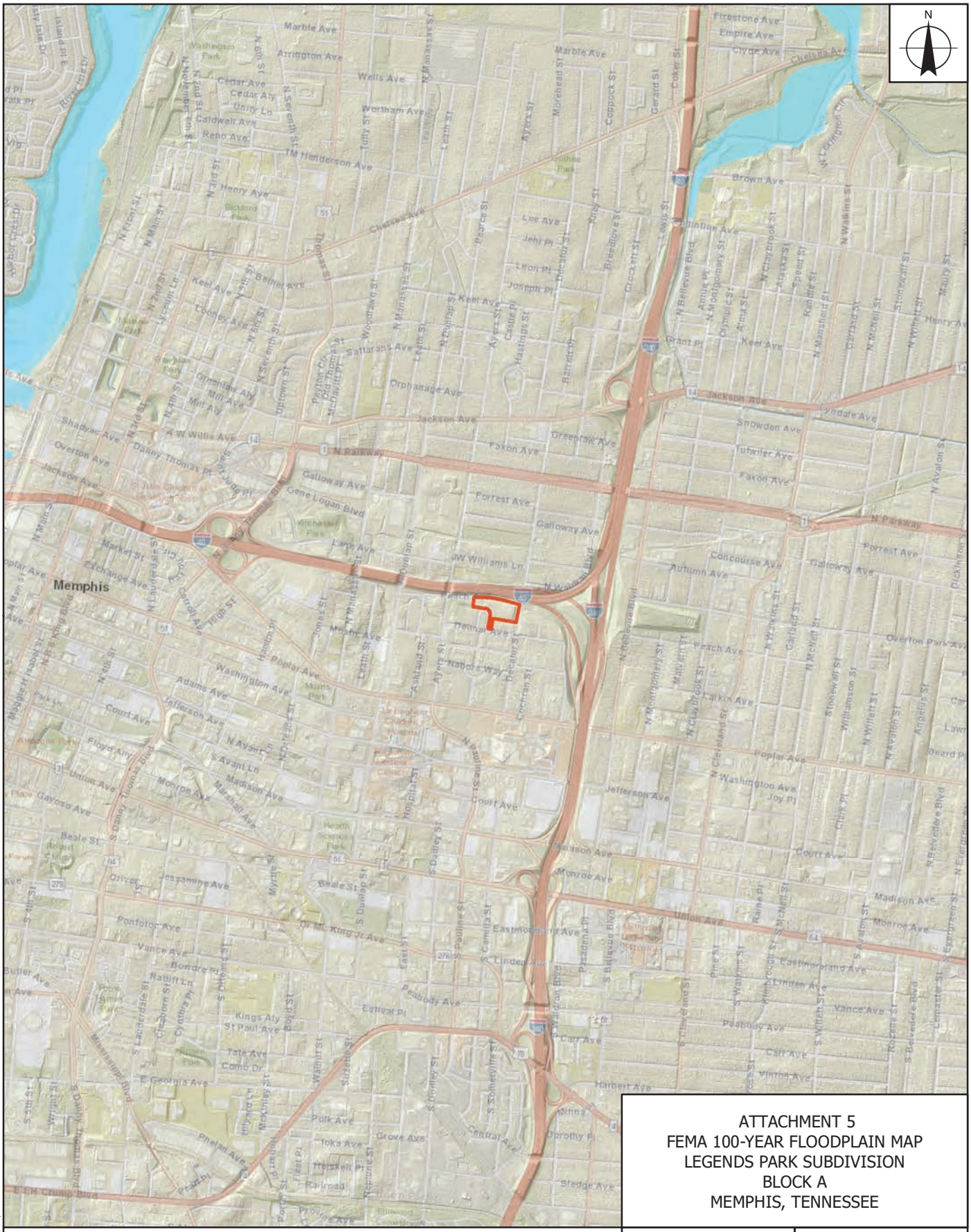
CBRS Units

This map is for general reference only. The Coastal Barrier Resources System (CBRS) boundaries depicted on this map are representations of the controlling CBRS boundaries, which are shown on the official maps, accessible at https://www.fws.gov/cbra/maps/index.html. All CBRS related data should be used in accordance with the layer metadata found on the CBRS Mapper website.

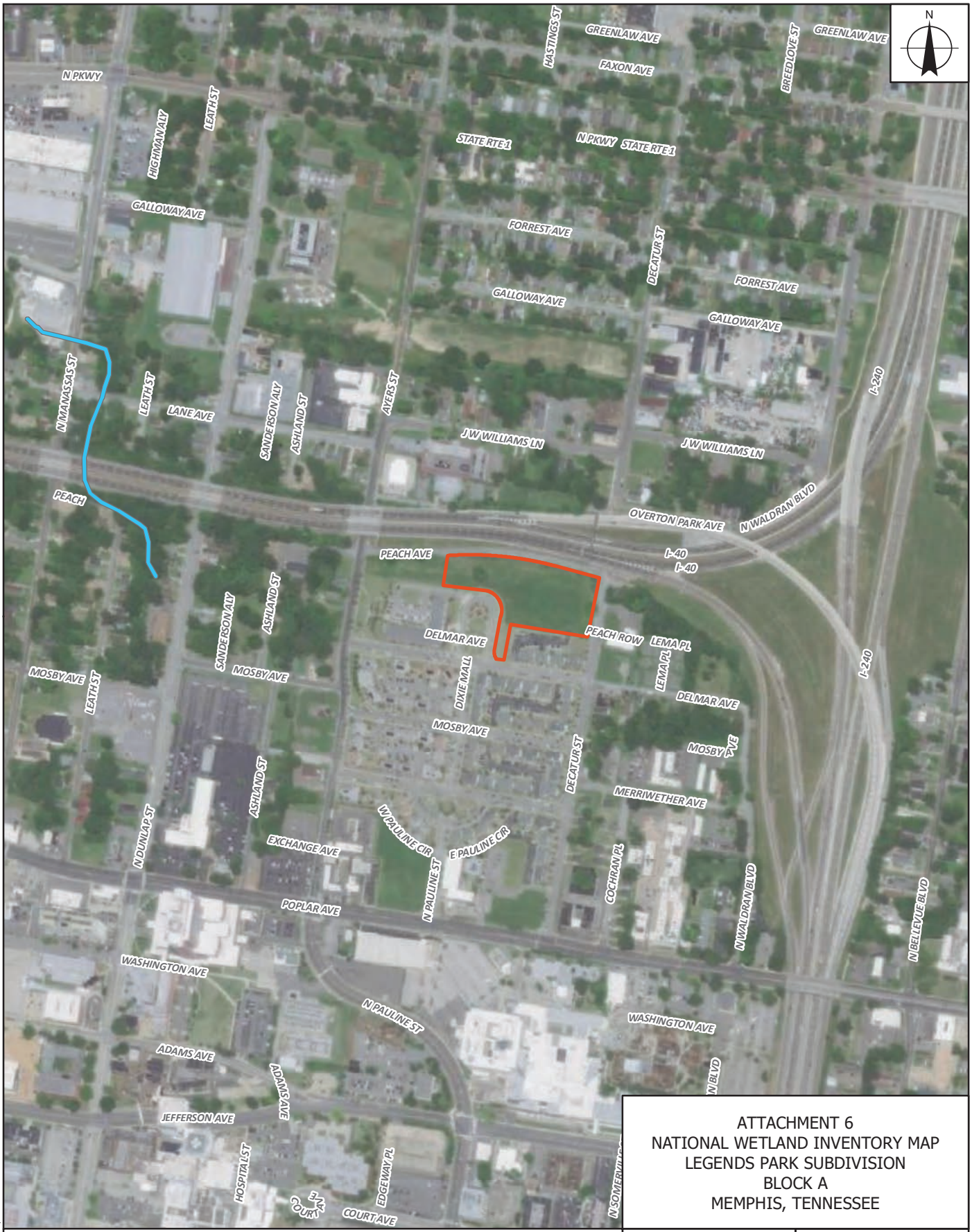
The CBRS Buffer Zone represents the area immediately adjacent to the CBRS boundary where users are advised to contact the Service for an official determination (http://www.fws.gov/cbra/Determinations.html) as to whether the property or project site is located "in" or "out" of the CBRS.

CBRS Units normally extend seaward out to the 20- or 30-foot bathymetric contour (depending on the location of the unit). The true seaward extent of the units is not shown in the CBRS mapper.

Attachment 5
FEMA Floodplain Map


N
Memphis
Marble Ave
Arrington Ave
Wells Ave
Wortham Ave
Reno Ave
TM Henderson Ave
Chelsea Ave
Lee Ave
Jehl Pl
Leon Pl
Joseph Pl
Keel Ave
Cooper Ave
Orphanage Ave
Jackson Ave
Shadyac Ave
Overton Ave
A W Willis Ave
Danny Thomas Pl
Danny Thomas Blvd
Galloway Ave
Gene Logan Blvd
Forrest Ave
Lane Ave
J W Williams Ln
Market St
Exchange Ave
Poplar Ave
Washington Ave
Adams Ave
Court Ave
Jefferson Ave
Union Ave
Monroe Ave
Madison Ave
Beale St
Jessamine Ave
Ponfotor Ave
Vance Ave
Bowdre St
Peabody Ave
Estival Pl
Kings Alley
St Paul Ave
Tate Ave
Como Dr
E Georgia Ave
Polk Ave
Toka Ave
Grove Ave
Phelan Ave
Railroad
E H Crump Blvd
Dr M L King Jr Ave
Linden Ave
Central Ave
Sledge Ave
Harbert Ave
Carr Ave
Peabody Ave
Vinton Ave
Brown Ave
Faxon Ave
Greenlaw Ave
Snowden Ave
Lyndale Ave
Tutwiler Ave
Grant Pl
Concourse Ave
Autumn Ave
Peach Ave
Larkin Ave
Overton Park Ave
Firestone Ave
Empire Ave
Clyde Ave
Chelsea Ave
Marble Ave
Wellington Cir
Pinfield Ave
Henry Ave
Keel Ave
Jackson Ave
Cyndare Ave
Snowden Ave
Tutwiler Ave
Faxon Ave
Forrest Ave
Galloway Ave
Concourse Ave
Autumn Ave
Peach Ave
Larkin Ave
Overton Park Ave
Poplar Ave
Washington Ave
Jefferson Ave
Court Ave
Madison Ave
Monroe Ave
Union Ave
Madison Ave
Monroe Ave
Eastmoreland Ave
Linden Ave
Vance Ave
Peabody Ave
Carr Ave
Vinton Ave
Harbert Ave
Sledge Ave
Central Ave
Dorothy Pl
Ninna
Grove Ave
Polk Ave
Toka Ave
Railroad
E H Crump Blvd
Phelan Ave
E Georgia Ave
Tate Ave
Como Dr
Kings Alley
St Paul Ave
Peabody Ave
Estival Pl
Vance Ave
Bowdre St
Ponfotor Ave
Jessamine Ave
Beale St
Union Ave
Madison Ave
Monroe Ave
Court Ave
Jefferson Ave
Washington Ave
Poplar Ave
Adams Ave
Court Ave
Market St
Exchange Ave
Memphis
J W Williams Ln
Lane Ave
Forrest Ave
Galloway Ave
Gene Logan Blvd
Danny Thomas Pl
Danny Thomas Blvd
A W Willis Ave
Shadyac Ave
Overton Ave
Jackson Ave
Orphanage Ave
Keel Ave
Cooper Ave
Joseph Pl
Leon Pl
Jehl Pl
Lee Ave
Chelsea Ave
TM Henderson Ave
Wortham Ave
Wells Ave
Arrington Ave
Marble Ave
Reno Ave
Cedar Ave
Cedar Alley
Caldwell Ave
Unity Ln
Henry Ave
Trigg Ave
Mill Ave
Greenlaw Ave
Faxon Ave
Galloway Ave

Attachment 6
MWI Map



ATTACHMENT 6
NATIONAL WETLAND INVENTORY MAP
LEGENDS PARK SUBDIVISION
BLOCK A
MEMPHIS, TENNESSEE

LEGEND

- RIVERINE
- SUBJECT PROPERTY/REDUCED PARCEL BOUNDARY

NAD 1983 STATE PLANE
TENNESSEE FEET

0 300 600

SCALE IN FEET

REQUESTED BY:	AC
DRAWN BY:	MS
DATE:	2/16/2022
PROJECT:	0888830988

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X:\LegendPark\NWI_Map.mxd

Source: Esri, Maxar, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, and the GIS User Community; NWI - U.S. Fish and Wildlife

Attachment 7
Explosive and Hazards

Attachment 7 — Explosive and Hazards Legends Park, Block A				
Point #	**Description of AST(s)**	**Feet to Site**	**ASD for Thermal Radiation For People (ASDPPU) in feet**	**ASD for Thermal Radiation For Buildings (ASDBPU) in feet**
1	4, 150-Gallon diesel tanks	1748	223.55	39.7
2	236-Gallon used cooking oil tank	2107	151.55	25.79
3	100-Gallon diesel tank	1858	109.97	17.34
4	300-Gallon diesel tank	5072	167.48	28.82
5	100-Gallon used cooking oil tank	3706	109.97	17.34
6	240-Gallon used oil tank	4762	152.61	25.99
7	60-Gallon diesel tank	3826	85.66	13.69
8	75-Gallon diesel tank	3893	94.00	15.18
9	165-Gallon off-road diesel tank	3656	130.56	21.86
10	150-Gallon diesel tank	2483	125.48	20.92
11	2, 165-Gallon off-road diesel tanks	3054	174.27	30.12
12	330-Gallon used cooking oil tank	3061	174.27	30.12
13	600-Gallon diesel tank	2459	223.55	39.7
14	500-Gallon used oil tank	3349	207.20	36.50
15	1000-Gallon used oil tank	3593	276.57	50.28
16	1000-Gallon used oil tank	3852	276.57	50.28

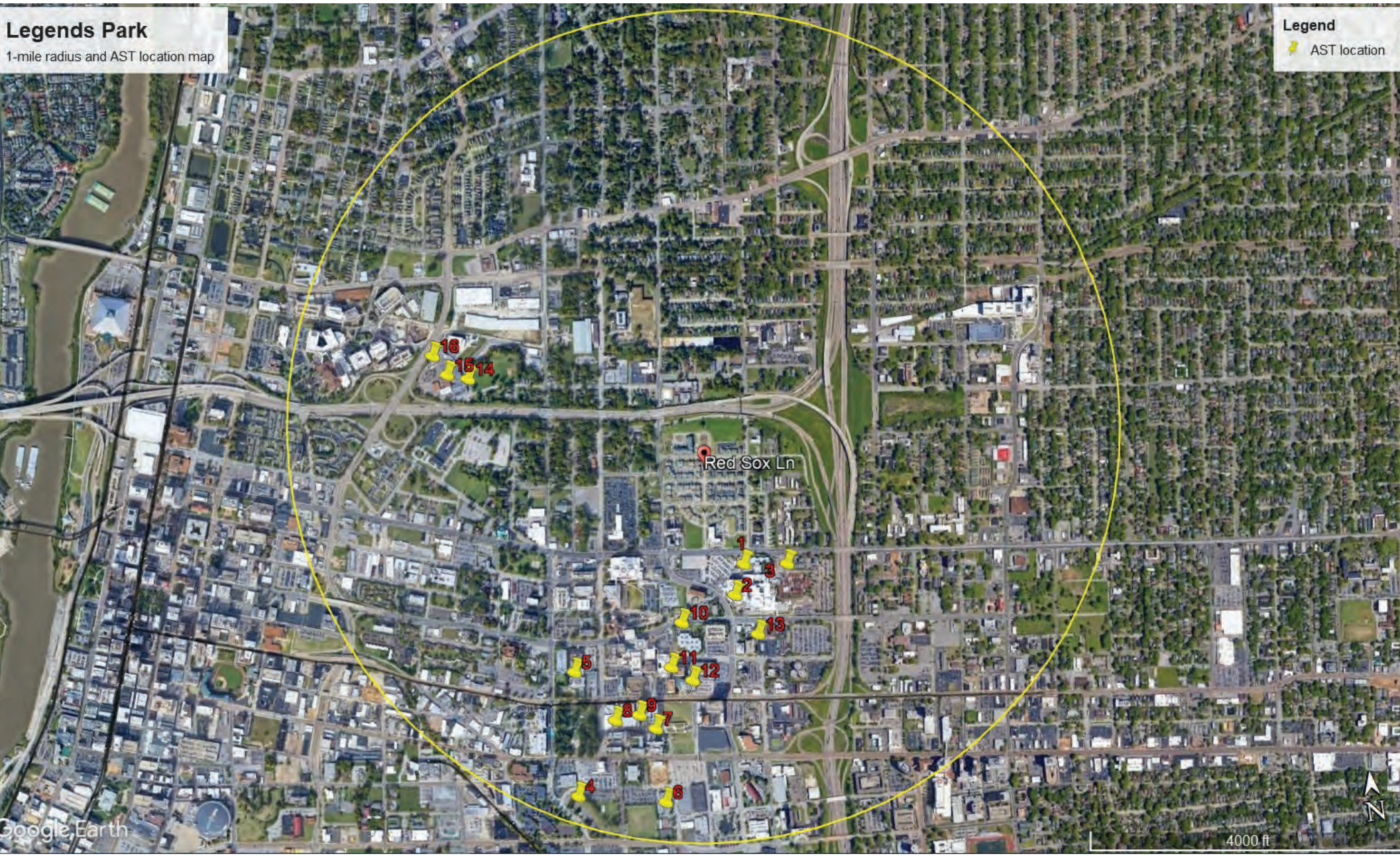
Notes:

Multiple ASTs at the same location were calculated as one unit (e.g., 4 150 Gallon = 600 Gallon)

All tanks were assumed to be non-pressurized.

ASD were calculated using the calculator at https://www.hudexchange.info/programs/environmental-review/asd-calculator/

retrieved on February 22, 2022.


Legends Park
1-mile radius and AST location map
Legend
AST location
Red Sox Ln
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Google Earth
4000 ft
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Attachment 8
Legends Park Phase II Report

ENSAFE

creative thinking. **custom solutions.** ®

December 30, 2021

Mr. Brian Thomas
PennRose
675 Ponce de Leon Avenue NE
Suite 8500
Atlanta, Georgia 30308

via e-mail: bthomas@pennrose.com

Re: Phase II Environmental Site Assessment
Block A, Legends Park Subdivision
Memphis, Tennessee

Dear Mr. Thomas:

EnSafe Inc. is pleased to provide this Phase II Environmental Site Assessment (ESA) for Block A (Site) at the Legends Park Subdivision in Memphis, Tennessee.

SITE DESCRIPTION AND HISTORY

The Site is located on a 4.77-acre vacant parcel (Shelby County Parcel 051017 00018) within the 30.91-acre Legends Park Subdivision. According to the Phase I ESA performed by EnSafe (December 2021), the Site has been developed since at least 1897 with single- and multi-family residences and was part of the Dixie Homes public housing development from 1937 until 2006, when the area was cleared for redevelopment as the Legends Park Subdivision. Additionally, the Phase I ESA identified a former clothes cleaner and presser at the Site. No further information regarding operations at the cleaners was identified, but it could have potentially operated as a drycleaner. Additionally, soils containing polyaromatic hydrocarbons (PAHs) were used as fill material during redevelopment of the west-adjacent property.

The Site is included in the Brownfield Voluntary Agreement (BVA) Site 79-846, effective date September 9, 2009. The BVA was based on the presence of hydrocarbons and dry-cleaning solvents in soil gas and groundwater south (hydraulically upgradient) of the Site. The BVA instituted Land Use Restrictions on the Site, including the prohibition of water wells and use of groundwater on the property; the management of any discovered contaminated soils in accordance with a Tennessee Department of Environmental Conservation (TDEC)-approved soil management plan; and the installation of soil vapor mitigation systems for buildings constructed at the property, if needed.

This Phase II ESA evaluated soil, groundwater, and soil gas at the Site for potential chemicals of concern associated with historical operations at the Site and surrounding area properties.

DATA COLLECTION PROCEDURES

Soil, groundwater, and soil gas sampling was conducted at the Site following the procedures outlined in the approved Phase II proposal, dated November 9, 2021, and Phase II proposal addendum, dated November 10, 2021. Field work was conducted by EnSafe on December 8 through 10, 2021. Sample locations are shown on Figure 1 (Attachment A).

Before initiating field sampling, Tennessee One Call and a private subsurface utility location service identified the locations of buried utilities and other structures that would be damaged or would prevent the advancement of soil borings at each sampling location.[1] Boring locations were adjusted to avoid the presence of anomalies indicating unknown objects and/or utilities in the shallow soils.

Soil Sampling

Five soil borings were completed using Direct Push Technology (DPT) drilling methods by McCray Drilling of Memphis, Tennessee. At each location, the soil was logged for lithology using the Unified Soil Classification System, screened with a photoionization detector (PID), and further examined by EnSafe personnel for visual and olfactory indications of contamination. Two soil samples were then collected from each boring. PID readings in soil did not exceed 2.5 parts per million (ppm). Lithologic descriptions and field screening results for the soil borings are recorded on boring logs provided in Attachment B.

All soil samples were collected in laboratory-provided containers, placed on ice, and delivered under strict chain-of-custody to Waypoint Analytical in Memphis, Tennessee for laboratory analysis. Soil samples were submitted for analysis of volatile organic compounds (VOCs) by United States Environmental Protection Agency (U.S. EPA) Method 8260B, PAHs by U.S. EPA Method 8270D SIM, Resource Conservation and Recovery Act (RCRA) 8 Metals by U.S. EPA Method 6010, and Extractable Petroleum Hydrocarbons (EPH) by Tennessee EPH Method.

Groundwater Sampling

Five temporary groundwater monitoring wells were installed in each of the soil borings after the completion of soil sampling. The temporary wells consisted of a 10-foot long, ¾-inch diameter poly-vinyl chloride prepacked screen attached to a riser pipe and set to the terminal depth of the boring. The wells were left undisturbed for at least one day following construction to allow for groundwater recharge.

Groundwater was measured in all wells following installation. The wells were developed and purged to ensure communication with the saturated zone and minimize turbidity. Groundwater was sampled using a peristaltic pump equipped with new, dedicated Teflon tubing. Turbidity measurements were collected using a Hach 2100Q handheld turbidity meter. Initial turbidity measurements exceeded 50 nephelometric turbidity units (NTUs). However, final turbidity measurements before sampling were below 10 NTUs for all wells. The samples were field filtered using 0.45 µm filter cartridges at the time of collection.

[1] The private subsurface utility locater, Alsip Locating Service, used ground-penetrating radar equipment to look for the presence of underground utilities and other structures at the sampling locations.

Groundwater samples were collected in laboratory-provided containers, placed on ice, and submitted under strict chain-of-custody to Waypoint Analytical for analysis. Groundwater samples were submitted for laboratory analysis of VOCs by U.S. EPA Method 8260B, PAHs by U.S. EPA Method 8270D SIM, RCRA 8 Metals by U.S. EPA Method 6010, and EPH by Tennessee EPH Method. Following sample collection, each temporary groundwater well was removed, and the borehole was abandoned with hydrated bentonite clay to the ground surface.

Soil Gas Sampling

Five soil gas sampling points were advanced to 3-4 feet below the ground surface using a hammer drill. At each location, a stainless-steel screen probe and 0.25-inch diameter Teflon tubing were inserted in the borehole. The screens were secured in place with sand. Bentonite clay was used at the surface to seal the borehole and to prevent infiltration from ambient air.

Before sampling, the soil gas borings were allowed to stabilize for a minimum of 2 hours. All fittings on the Summa manifolds were inspected for a proper fit and seal using shut-in tests. Shut-in tests were performed by using a purge canister to create a vacuum in the sample train and the gauge on the manifold was observed for at least 2 minutes to determine if the pressure remains stable. Each system was purged using a sacrificial Summa canister. Isopropanol was used as a tracer gas to indicate any potential leaks within each sample setup. Soil gas samples were collected in laboratory-provided, individually-certified, 6-liter Summa canisters with a designated soil gas manifold. The manifolds' flow rate were set to 200 milliliters per minute by the laboratory, as recommended by the referenced guidance documents.[2] Each sample was collected over an approximately 30-minute period.

All samples, along with pre- and post-canister vacuum pressures, canister serial numbers, sample identifications, sampling dates, and required analyses were recorded on the chain-of-custody form. The samples were shipped via overnight courier to Pace National of Mount Juliet, Tennessee. Canisters were analyzed using the U.S. EPA Method TO-15 for VOCs. Field sampling logs for soil gas samples are included in Attachment C.

ANALYTICAL RESULTS

Analytical results for the soil samples were compared to the November 2021 U.S. EPA Regional Screening Levels (RSLs) for both residential and industrial land use and the September 2006 TDEC Department of Underground Storage Tank's Initial Screening Levels (ISLs). Metals were also compared to the TDEC Hazardous Trace Elements in Tennessee Soils Background Levels (TDEC 2001). RSLs are based on a lifetime target cancer risk of 1E-6 and a target hazard quotient of 0.1, which is the most protective exposure scenario. The detected concentrations for soil are summarized in Table 1 (Attachment D).

[2] In accordance with the New Jersey Department of Environmental Protection Vapor Intrusion Technical Guidance, Version 5.0, (May 2021).

Groundwater analytical results were compared to the U.S. EPA RSLs for tap water, U.S. EPA Maximum Contaminant Levels (MCLs), and TDEC ISLs. RSLs are based on the same lifetime target cancer risk and target hazard quotient as was used to assess the soil sample results. Laboratory detections for the groundwater samples are summarized in Table 2 (Attachment D).

Analytical results for the soil gas samples were compared to the November 2021 U.S. EPA Vapor Intrusion Screening Levels (VISL) for residential and commercial air. In accordance with TDEC guidance, detected chemicals were evaluated based on the cumulative target lifetime carcinogenic risk of 10E-6 and a target noncarcinogenic hazard quotient of 0.1. Laboratory detections and exceedances for the soil gas samples are summarized in Table 3 (Attachment D).

Laboratory reports for soil, groundwater, and soil gas are provided in Attachment E.

Soil Analytical Results

RCRA 8 Metals

Seven metals were detected in soils sampled from the five soil borings. Arsenic and chromium[3] exceeded their respective residential and/or industrial RSLs in all ten soil samples; however, arsenic was below Tennessee background concentrations in nine soil samples and chromium was below Tennessee background concentrations in seven soil samples. Arsenic exceeded the Tennessee background concentration of 10 milligrams/kilogram (mg/kg) from 16 to 20 feet below ground surface (bgs) at SB05. Chromium exceeded the Tennessee background concentration of 20 mg/kg from 28 to 32 feet bgs at SB02, 24 to 28 feet bgs at SB03, and 28 to 32 feet bgs at SB04.

Volatile Organic Compounds

Eleven VOCs were detected in soils sampled from the five soil borings. All VOC detections were reported below their respective RSLs and TDEC ISLs.

Polynuclear Aromatic Hydrocarbons

Seventeen PAHs were detected in soils sampled from the five soil borings. Only one PAH detection exceeded screening levels. The concentration of benzo(a)pyrene from 4 to 8 feet bgs at SB02 (0.126 mg/kg) exceeded its residential RSL of 0.11 mg/kg, but did not exceed its industrial RSL.

Extractable Petroleum Hydrocarbons

EPH was detected in soils sampled from three of the soil borings. All detected EPH concentrations were reported below the TDEC ISL of 500 mg/kg.

[3] Total chromium does not have established residential and industrial soil RSLs, so chromium detections were conservatively compared to the RSLs for hexavalent chromium.

Groundwater Analytical Results

RCRA 8 Metals

Two metals were detected in groundwater sampled from the five temporary wells. The metal detections were reported below their respective RSLs and MCLs.

Volatile Organic Compounds

Two VOCs were detected in groundwater sampled from two of the temporary wells. The VOC detections were reported below their respective RSLs and TDEC ISLs.

Polynuclear Aromatic Hydrocarbons

Three PAHs were detected in groundwater sampled from two of the temporary wells. All detections were reported below RSLs and TDEC ISLs. MCLs are not established for these three parameters.

Extractable Petroleum Hydrocarbons

EPH was detected in groundwater sampled from all five temporary wells. EPH detections ranged from 0.0576 milligrams per liter to 0.366 milligrams per liter; however, screening levels are not established for EPH in groundwater.

Soil Gas Analytical Results

Twenty-seven VOCs were detected in soil gas sampled from the five locations at the Site. Two VOCs were were reported above U.S. EPA residential VISLs. Benzene and naphthalene exceeded their respective residential VISLs in SB01. Naphthalene also exceeded its commercial VISL in SB01.

Risk screening was performed using the U.S. EPA VISL Risk Calculator. Input parameters for the U.S. EPA VISL calculator included location-specific concentrations and default exposure assumptions for risk screening; VISL risk outputs are provided in Attachment F and summarized in Table 4 (Attachment D). TDEC generally requires response actions (which could include a vapor barrier, mitigation system, monitoring, etc.) when risk is above 1E-05 and/or hazard is above 1.0. For the residential exposure scenario, carcinogenic risk ranged from 6.61E-07 to 1.20E-05 and hazard (non-carcinogenic risk) ranged from 0.00442 to 0.315. One soil gas location (SG01) exceeded the risk of 1E-05.

CONCLUSIONS

VOCs and EPH were not detected above screening levels in soil or groundwater samples. One PAH (benzo(a)pyrene) exceeded its residential RSL in soil sampled from 4 to 8 feet bgs at SB02. PAHs and metals were not detected above screening levels in groundwater samples.

Arsenic and chromium concentrations in soil were above residential and/or industrial RSLs in all ten soil samples. Arsenic exceeded the Tennessee background concentration in one soil sample and chromium exceeded the Tennessee background concnentration in three soil samples; however, Tennessee background concentrations are based on a statistical study of naturally occurring metals concentrations sampled throughout the state of Tennessee and are established by concentrations within the 75 percent quartile. Detected concentrations of arsenic and chromium in soil sampled at the Site are not statistically higher than Tennessee background concentrations.

Two VOCs (benzene and naphthalene) were detected above U.S. EPA residential and/or commercial VISLs in soil gas at SG01. Elevated concentrations of VOCs in soil gas and the above calculated risk threshholds indicate that vapor mitigation should be considered for future development within the sample area of SG-01. The intended use of the property and location of future structures will dictate further recommendations for mitigation, which may include, but not be limited to a passive mitigation system or vapor barrier.

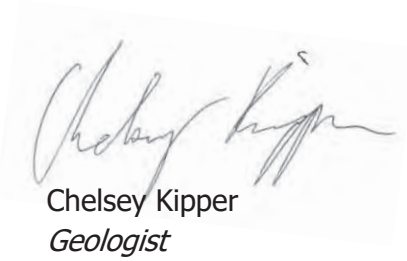
LIMITATIONS

The information presented in this report was obtained through performance of the approved proposals dated November 9 and 10, 2021. Report users should recognize that any sampling or testing activities are inherently limited, in that conditions at other locations and depths within the Site may vary from those at the locations where samples or measurements were obtained. The ability of EnSafe to interpret results and draw conclusions about Site conditions is similarly limited and subject to the availability and quality of information that led EnSafe to select sampling or measurement locations, and to practical limits in the extent of sampling that was conducted. EnSafe has conducted the professional assessment services with a level of care and skill consistent with generally accepted environmental consulting industry standards.

Report results apply solely to conditions existing at the time that EnSafe obtained samples or conducted tests. Only the party for whom this report was originally prepared has the right to make use of and rely upon this report. Reuse of this report or any portion thereof for other than its intended purpose shall be at the user's sole risk. EnSafe makes no representation as to the accuracy or completeness of information prepared by other parties.

Sincerely,

EnSafe Inc.



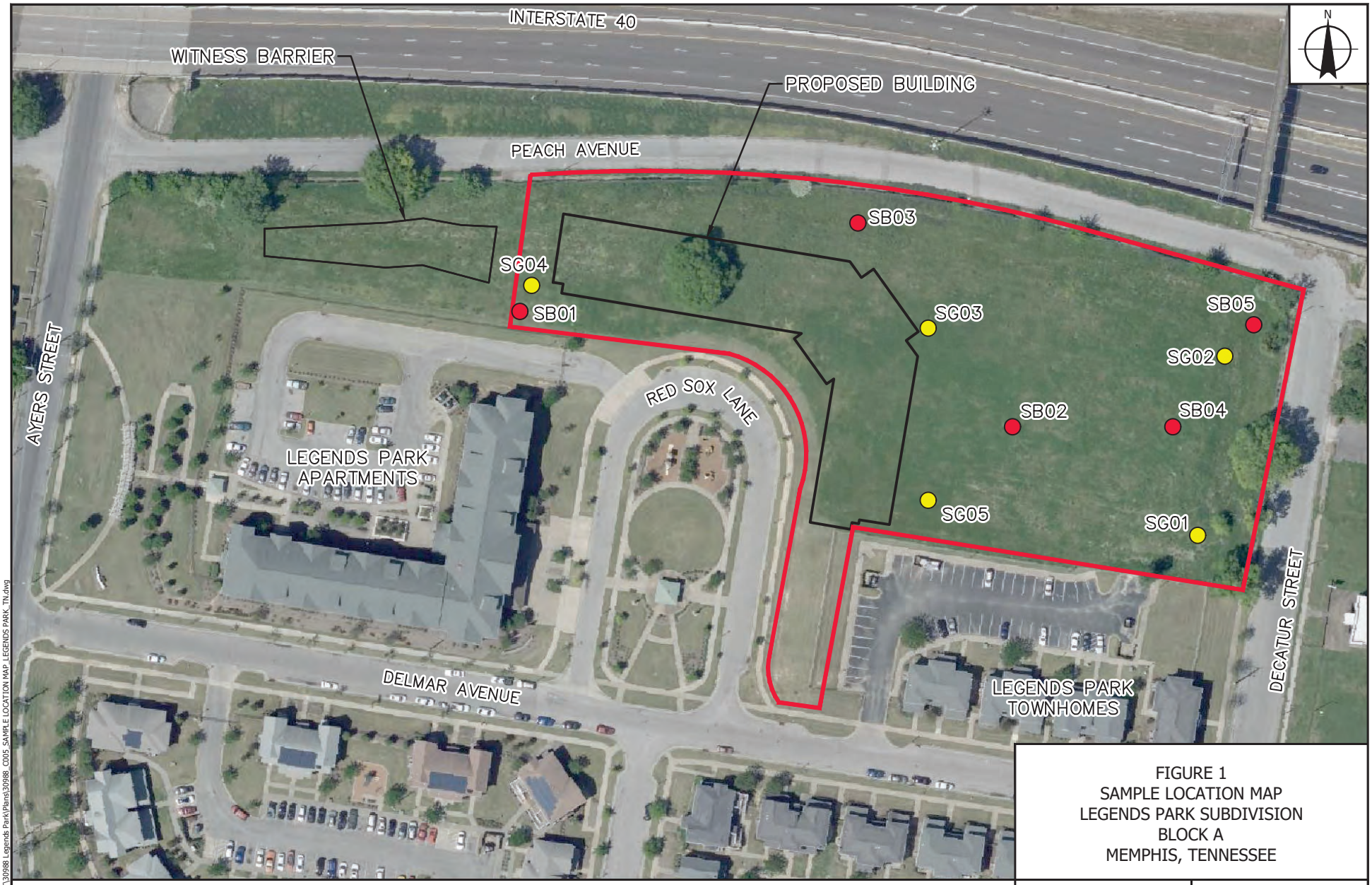
By: Allison Harris
Project Manager

Chelsey Kipper
Geologist

Attachments:

Attachment A — Figures
Attachment B — Soil Boring Logs
Attachment C — Soil Gas Sampling Logs
Attachment D — Tables
Attachment E — Laboratory Data Reports
Attachment F — VISL Calculator Outputs

Attachment A
Figures



I:\CAD PROJECTS\HOCONT\30988 Legends Park\Plans\30988_C005_SAMPLE LOCATION MAP_LEGENDS PARK_TN.dwg

LEGENDS

- SOIL GAS SAMPLE LOCATION
- SOIL BORING SAMPLE LOCATION
- SUBJECT PROPERTY/REDUCED PARCEL BOUNDARY

NAD 1983 STATE PLANE TENNESSEE FEET

0 60 120

SCALE IN FEET

FIGURE 1
SAMPLE LOCATION MAP
LEGENDS PARK SUBDIVISION
BLOCK A
MEMPHIS, TENNESSEE

REQUESTED BY:	AC
DRAWN BY:	WM
DATE:	2/25/2022
PROJECT:	0888830988

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Attachment B
Soil Boring Logs

ENSAFE

5724 Summer Trees Drive
Memphis, TN 38134

Soil Boring Log

Location ID: SB01

Client: PennRose
Project #: 0888830988
Purpose: Phase II ESA
Location: Block A, Legends Park, Memphis, TN

Drill Equipment: Geoprobe DPT
Drilling Company: McCray Drilling
Geologist: D. Fuehrer

Start Date/Time: 12/08/2021 0940
End Date/Time: 12/08/2021 1025
Total Depth: 28'
Sample Method: 4' Continuous

Depth (ft)	% Recovery	Sample Interval	OVM	Symbol	USCS	Lithologic Description (Visual-Manual Description (ASTM D 2488-06))
0-2	100		0.0		CL	Grass surface. Brown silty clay with pebbles and fine gravel, dry, no odor or stains.
2-6	75		0.0		CL	Brown silty clay with a 0.1 inch layer of black material (possibly cinder) and brick at 7ft and dark gray sandy material at 8 ft.
6-10	87.5		1.1		CL	Brown silty clay with 0.25 inch dark gray and brown silty clay layer at 8 ft, slightly moist to moist, dense and stiff, no odor or stains.
10-14	98		1.4		CL	Yellow-brown with gray silty clay, very moist to wet at 14 ft then progessively drier to 16 ft, dense and stiff, no odor or stains.
14-18	79		1.8		CL	Yellow-brown with gray silty clay, dry to moist, dense and stiff, no odor or stains.
18-22	100		0.4		CL	Alternating yellow-brown and gray-brown clay to silty clay, slightly moist to moist, dense and stiff, softer at 24 ft.
22-26	85		0.4		CL	Alternating dark brown and gray clay and silty clay, very moist to wet, soft. Temporary well set at 28 ft.

Notes:

ft - feet

ENSAFE

5724 Summer Trees Drive
Memphis, TN 38134

Soil Boring Log

Location ID: SB02

Client:	PennRose	**Drill Equipment:**	Geoprobe DPT	**Start Date/Time:**	12/08/2021 1230
Project #:	0888830988	**Drilling Company:**	McCray Drilling	**End Date/Time:**	12/08/2021 1400
Purpose:	Phase II ESA	**Geologist:**	D. Fuehrer	**Total Depth:**	32'
Location:	Block A, Legends Park, Memphis, TN			**Sample Method:**	4' Continuous

Depth (ft)	% Recovery	Sample Interval	OVM	Symbol	USCS	Lithologic Description (Visual-Manual Description (ASTM D 2488-06))
0-2	100		1.3		CL	Grass surface. Brown silty clay with roots and trace debris, slightly moist, no odor or stains.
2-8	87.5		2.1		CL	Brown silty clay with abundant brick debris, slightly moist, soft, fissile, no odor or stains. Driller said went through concrete at 6 ft.
8-12	54		1.9		CL	Brown silty clay with rock chips at 12 ft, moist, soft, fissile, no odor or stains.
12-14	100		0.0		CL	Brown silty clay with rock and gravel chips at 12 ft, moist to wet,stiff, no odor or stains.
14-18	100		0.4		CL	Brown silty clay, very moist, soft to 18 ft then increasingly dense to 20 ft, no odor or stains.
18-22	100		0.0		CL	Brown silty clay, slightly moist to moist, dense, slightly stiff to stiff, no odor or stains.
22-26	100		0.0		CL	Brown silty clay, moist to very moist, stiff and dense, no odor or stains.
26-32	100		0.5		CL	Brown silty clay, moist to very moist, stiff and dense, no odor or stains. Set temporary well at 32 ft.

Notes:

ft - feet

ENSAFE

5724 Summer Trees Drive
Memphis, TN 38134

Soil Boring Log

Location ID: SB03

Client:	PennRose	**Drill Equipment:**	Geoprobe DPT	**Start Date/Time:**	12/08/2021 1420
Project #:	0888830988	**Drilling Company:**	McCray Drilling	**End Date/Time:**	12/08/2021 1505
Purpose:	Phase II ESA	**Geologist:**	D. Fuehrer	**Total Depth:**	32'
Location:	Block A, Legends Park, Memphis, TN			**Sample Method:**	4' Continuous

Depth (ft)	% Recovery	Sample Interval	OVM	Symbol	USCS	Lithologic Description (Visual-Manual Description (ASTM D 2488-06))
0–2	33		0.5		CL	Grass surface. Brown silty clay with roots, moist, no odor or stains.
2–6	62.5		0.6		CL	Brown to gray-brown silty clay with black inclusions, slightly moist, fissile, no odor or stains.
6–10	83		0.6		CL	Brown to brown-gray and some reddish-yellow-brown silty clay with black inclusions and traces of brick, sand, and cinders, slightly moist, fissile.
10–14	96		2.0		CL	Yellow-brown silty clay, moist to wet at 15 ft, dense and hard to 14 ft then softer, no odor or stains.
14–18	100		0.0		CL	Reddish-yellow-brown silty clay, very moist to wet, soft, no odor or stains.
18–22	100		0.4		CL	Reddish-yellow-brown to gray silty clay, wet, soft, no odor or stains.
22–26	100		0.3		CL	Gray to brown silty clay, very moist, stiff and dense, no odor or stains.
26–30	100		0.0		CL	Gray-brown clay to silty clay to 29.5 ft then brown silty clay, very moist at 28 ft to 30 ft then progressively drier, stiff, no odor or stains. Set temporary well at 32 ft.

Notes:

ft - feet

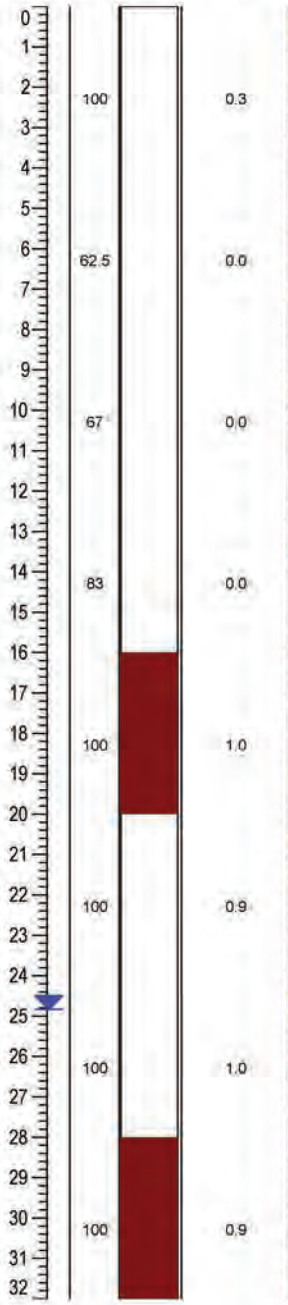
ENSAFE

5724 Summer Trees Drive
Memphis, TN 38134

Soil Boring Log

Location ID: SB04

Client:	PennRose	**Drill Equipment:**	Geoprobe DPT	**Start Date/Time:**	12/09/2021 0825
Project #:	0888830988	**Drilling Company:**	McCray Drilling	**End Date/Time:**	12/09/2021 0900
Purpose:	Phase II ESA	**Geologist:**	D. Fuehrer	**Total Depth:**	32'
Location:	Block A, Legends Park, Memphis, TN			**Sample Method:**	4' Continuous



Depth (ft)	% Recovery	Sample Interval	OVM	Symbol	USCS	Lithologic Description (Visual-Manual Description (ASTM D 2488-06))
0–4	100		0.3		CL	Grass surface. Brown silty clay with sand and gravel and trace ferrigenous sand, dry, no odor or stains.
4–8	62.5		0.0		CL	Brown silty clay with gravel layer at 7 ft then dark gray silty clay at 8 ft, fissile.
8–12	67		0.0		CL	Green-gray silty clay with traces of fine gravel and pebbles, moist, no odor.
12–16	83		0.0		CL	Brown with some green silty clay, gravel and sand from 12 to 12.5 ft, no odor.
16–20	100		1.0		CL	Brown silty clay, very moist to wet, soft, no odor or stains.
20–24	100		0.9		CL	Brown to gray silty clay, moist, soft, no odor or stains.
24–28	100		1.0		CL	Brown silty clay, moist, stiff, uniform, no odor or stains.
28–32	100		0.9		CL	Yellowish-orange-brown silty clay, slightly moist, stiff, uniform, no odor or stains. Set temporary well at 32 ft.

Notes:

ft - feet

ENSAFE

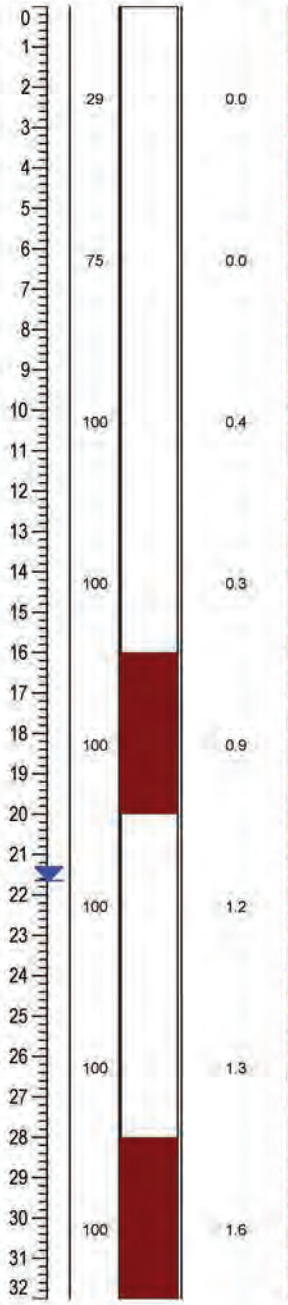
5724 Summer Trees Drive
Memphis, TN 38134

Soil Boring Log

Location ID: SB05

Client:	PennRose	**Drill Equipment:**	Geoprobe DPT
Project #:	0888830988	**Drilling Company:**	McCray Drilling
Purpose:	Phase II ESA	**Geologist:**	D. Fuehrer
Location:	Block A, Legends Park, Memphis, TN		

Start Date/Time:	12/09/2021 0940
End Date/Time:	12/09/2021 1050
Total Depth:	32'
Sample Method:	4' Continuous



Depth (ft)	% Recovery	Sample Interval	OVM	Symbol	USCS	Lithologic Description (Visual-Manual Description (ASTM D 2488-06))
0–2	29		0.0		CL	Grass surface. Brown silty clay with roots, slightly fissile, no odor or stains.
2–6	75		0.0		CL	Brown to dark brown-green silty clay, stiff and dense, no odor or stains.
6–10	100		0.4		CL	Brown-yellow silty clay, slightly moist, slightly stiff, no odor or stains.
10–14	100		0.3		CL	Brown-yellow silty clay, moist, slightly stiff, uniform, no odor or stains.
14–18	100		0.9		CL	Yellow-brown to tan-brown silty clay, very moist, soft, no odor or stains.
18–22	100		1.2		CL	Tan-brown grading to gray silty clay, moist to wet, soft, no odor or stains.
22–26	100		1.3		CL	Dark brown to gray silty clay, very moist to wet at 24 to 26.5 ft then stiffer and moist, no odor or stains.
26–30	100		1.6		CL	Greenish-gray silty clay, moist, slightly soft to soft, uniform, no odor or stains. Set temporary well at 32 ft.

Notes:

ft - feet

Attachment C
Soil Gas Sampling Logs

Vapor Intrusion Assessment Field Sampling Form				
Site Location	Block A of Legends Park Subdivision			
Project Name	Phase II			
Project Number	0888830988			
Personnel	Griffin Heard and Bavani Kathir			
Sample ID	LEGASG01	LEGASG02	LEGASG03	LEGASG04
Date	12/8/2021	12/8/2021	12/8/2021	12/8/2021
Sub-Slab, Near-Slab, or Soil Gas?	Soil Gas	Soil Gas	Soil Gas	Soil Gas
Sample Type (Summa, Tedlar, Syringe, etc.)	Summa	Summa	Summa	Summa
Was leak testing performed?	Yes	Yes	Yes	Yes
What type? (check dam, Helium shroud, IPA)	IPA	IPA	IPA	IPA
Were leaks indicated?	N; Final IPA 0.2%	N; Final IPA 0.05%	N; IPA not detected	N; Final IPA 0.03%
If He, shroud/purge He concentrations (%)	N/A	N/A	N/A	N/A
Final He concentration (%)	N/A	N/A	N/A	N/A
If using IPA or He, has analysis been requested from lab?	N/A	N/A	N/A	N/A
Was shut-in test performed?	Yes	Yes	Yes	Yes
Duration of test (sec)	120	120	120	120
Canister Vacuum pre-test (inHg)	22	21	20.5	20
Canister Vacuum post-test (inHg)	22	21	20.5	20
Purge Method (sacrificial summa, syringe, other)	Sac. Summa	Sac. Summa	Sac. Summa	Sac. Summa
Purge Rate (mL/min)	200	200	200	200
Volume Purged (mL)	400	400	400	400
Was purge gas screening performed?	No	No	No	No
Total VOCs (ppm)	N/A	N/A	N/A	N/A
O_2 (%)	N/A	N/A	N/A	N/A
CO_2 (%)	N/A	N/A	N/A	N/A
CH_4 (%)	N/A	N/A	N/A	N/A
Canister Size	6 L	6 L	6 L	6 L
Sampling Duration (24 hr, 12 hr, 8 hr, grab)	Grab	Grab	Grab	Grab
Canister #	3665	3874	1693	1561
Flow Controller #	FC3093	FC1165	FC0637	FC2697
Sample Start Time	1348	1408	1432	1516
Sample End Time	1630	1446	1510	1550
Canister Starting Vacuum (inHg)	30	30	30+	29
Canister Ending Vacuum (inHg)	7	4	3.5	4
Analysis	TO-15	TO-15	TO-15	TO-15
Floor Conditions (concrete, wood, carpet, other)	Grass	Grass	Grass	Grass
Visible cracks, sumps, utility penetrations?	No	No	No	No
VOC sources in area?	No	No	No	No
Other Comments	Sample collection was slower than it should be. Flow controller was probably mis-calibrated.	—	—	—

Vapor Intrusion Assessment Field Sampling Form				
Site Location	Block A of Legends Park Subdivision			
Project Name	Phase II			
Project Number	0888830988			
Personnel	Griffin Heard and Bavani Kathir			
Sample ID	LEGASG05			
Date	12/8/2021			
Sub-Slab, Near-Slab, or Soil Gas?	Soil Gas			
Sample Type (Summa, Tedlar, Syringe, etc.)	Summa			
Was leak testing performed?	Yes			
What type? (check dam, Helium shroud, IPA)	IPA			
Were leaks indicated?	Final IPA 2.8%			
If He, shroud/purge He concentrations (%)	N/A			
Final He concentration (%)	N/A			
If using IPA or He, has analysis been requested from lab?	N/A			
Was shut-in test performed?	Yes			
Duration of test (sec)	120			
Canister Vacuum pre-test (inHg)	21			
Canister Vacuum post-test (inHg)	21			
Purge Method (sacrificial summa, syringe, other)	Sac. Summa			
Purge Rate (mL/min)	200			
Volume Purged (mL)	400			
Was purge gas screening performed?	No			
Total VOCs (ppm)	N/A			
O_2 (%)	N/A			
CO_2 (%)	N/A			
CH_4 (%)	N/A			
Canister Size	6 L			
Sampling Duration (24 hr, 12 hr, 8 hr, grab)	Grab			
Canister #	3681			
Flow Controller #	FC1157			
Sample Start Time	1453			
Sample End Time	1529			
Canister Starting Vacuum (inHg)	30			
Canister Ending Vacuum (inHg)	4			
Analysis	TO-15			
Floor Conditions (concrete, wood, carpet, other)	Grass			
Visible cracks, sumps, utility penetrations?	No			
VOC sources in area?	No			
Other Comments	–			

Attachment D
Tables

Table 1
Detected Concentrations in Soil, December 2021
Block A, Legends Park Subdivision, Memphis, Tennessee

Analyte	Res RSL (a)	Ind RSL (b)	ISL (c)	TN BKG (d)	SB01		SB02		SB03		SB04		SB05	
					16-20	24-28	4-8	28-32	12-16	24-28	16-20	28-32	16-20	28-32
RCRA 8 Metals														
Arsenic	0.68	3	NE	10	**2.19 a**	**1.56 a**	**8.87 ab**	**4.53 ab**	**8.48 ab**	**2.66 Ja**	**9.41 ab**	**6.51 ab**	**10.1 abd**	**2.46 a**
Barium	1500	22000	NE	144	31.1	41.1	118	84.2	138	73.3	67.2	61.9	59.5	51.1
Cadmium	0.71	10	NE	1.0	—	—	0.146	—	0.113 J	—	0.421	0.0371 J	0.358	—
Chromium	0.3	6.3	NE	20	**14.7 ab**	**16.5 ab**	**12.5 ab**	**20.2 abd**	**15.0 ab**	**26.3 abd**	**12.4 ab**	**23.0 abd**	**14.4 ab**	**14.9 ab**
Lead	400	800	NE	45	5.51	5.33	14.3	6.12	10.4	8.96	6.77	10.3	8.03	7.97
Mercury	1.1	4.6	NE	0.18	0.0211	0.0227	0.0955	0.0503	0.0239	0.0174 J	0.0209	—	0.0198	0.0392
Silver	39	580	NE	1.2	—	—	—	—	—	—	0.224 J	—	—	—
Volatile Organic Compounds														
Acetone	7000	110000	NE	NE	—	—	0.0224 J	—	0.0192 J	—	0.0156 J	—	0.161	—
Benzene	1.2	5.1	0.0729	NE	0.0008 J	—	0.0009 J	—	—	—	0.0038	—	0.0234	—
Butylbenzene, n-	390	5800	NE	NE	—	—	—	—	—	—	—	—	0.0026	—
Ethylbenzene	5.8	25	143	NE	0.0012 J	—	0.0010 J	—	—	—	0.0049	—	0.0277	—
Isopropylbenzene	190	990	NE	NE	—	—	—	—	—	—	—	—	0.0027	—
Methyl Ethyl Ketone	2700	19000	NE	NE	—	—	—	—	—	—	—	—	0.0272 J	—
Toluene	490	4700	6.78	NE	—	—	—	—	—	—	0.0098	—	0.0618	—
Trimethylbenzene, 1,2,4-	30	180	NE	NE	0.0010 J	—	0.0010 J	—	—	—	0.0025 J	—	0.0154	—
Xylene, m,p-	56	240	NE	NE	—	—	—	—	—	—	0.0055	—	0.0319	—
Xylene, o-	64	280	NE	NE	—	—	—	—	—	—	0.0022 J	—	0.0128	—
Xylene (Total)	58	250	9.6	NE	—	—	—	—	—	—	0.0077 J	—	0.0448	—
Polynuclear Aromatic Hydrocarbons														
Acenaphthene	360	4500	NE	NE	—	—	0.00364	—	—	—	—	—	—	—
Acenaphthylene	NE	NE	NE	NE	—	—	0.00570	—	—	—	—	—	—	—
Anthracene	1800	23000	NE	NE	—	—	0.0138	—	—	—	—	—	—	—
Benzo(a)anthracene	1.1	21	NE	NE	—	—	0.0971	—	—	—	—	—	—	—
Benzo(a)pyrene	0.11	2.1	NE	NE	—	—	**0.126 a**	0.000478 J	—	—	—	—	—	—
Benzo(b)fluoranthene	1.1	21	NE	NE	—	—	0.121	0.000375 J	—	—	—	—	—	—
Benzo(g,h,i)perylene	NE	NE	NE	NE	—	0.000877	0.0717	0.00128	0.000950	0.000686 J	0.000684 J	0.000972	0.000882	0.000609 J
Benzo(k)fluoranthene	11	210	NE	NE	—	—	0.0408	—	—	—	—	—	—	—
Chrysene	110	2100	NE	NE	—	—	0.109	—	—	—	—	—	—	—
Dibenz(a,h)anthracene	0.11	2.1	NE	NE	—	—	0.0190	—	—	—	—	—	—	—
Fluoranthene	240	3000	NE	NE	—	—	0.196	—	—	—	—	—	—	—
Fluorene	240	3000	NE	NE	—	—	0.00380	—	—	—	—	—	—	—
Indeno(1,2,3-cd)pyrene	1.1	21	NE	NE	—	—	0.0669	0.000883	—	—	—	—	—	—
Methylnaphthalene, 2-	24	300	NE	NE	—	—	0.000876	—	—	—	—	—	—	—
Naphthalene	2	8.6	135	NE	—	—	0.00116	—	—	—	—	—	—	—
Phenanthrene	NE	NE	NE	NE	—	—	0.0693	—	—	—	—	—	—	—
Pyrene	180	2300	NE	NE	—	—	0.171	—	—	—	—	—	—	—
Extractable Petroleum Hydrocarbons														
Diesel Range Organics	NE	NE	NE	NE	—	—	3.78 J	—	—	—	—	—	—	—
Oil Range Organics	NE	NE	NE	NE	4.88	—	7.39	4.77	—	—	6.45	5.24	—	—
Extractable Petroleum Hydrocarbons (Total)	NE	NE	500	NE	4.88	—	11.2 J	4.77	—	—	6.45	5.24	—	—

Notes:

All results are milligrams per kilogram (mg/kg) or parts per million (ppm).
U.S. EPA = United States Environmental Protection Agency
TDEC = Tennessee Department of Environment and Conservation
RCRA = Resource Conservation and Recovery Act
Res RSL = U.S. EPA Regional Screening Level for Residential Soil, hazard quotient = 0.1 (November 2021)
Ind RSL = U.S. EPA Regional Screening Level for Industrial Soil, hazard quotient = 0.1 (November 2021)
ISL = Tennessee Underground Storage Tank System Assessment Closure Initial Screening Levels for Residential Soil (September 2006)
TN BKG = Background Hazardous Trace Elements in Tennessee Soils, TDEC Report of Investigation No 49 (2001)
NE = Not Established
— = Not Detected
J = Estimated
a = exceeds Res RSL
b = exceeds Ind RSL
c = exceeds ISL
d = exceeds TN BKG

Table 2
Detected Concentrations in Groundwater, December 2021
Block A, Legends Park Subdivision, Memphis, Tennessee

Analyte	RSL (a)	MCL (b)	ISL (c)	SB01	SB02	SB03	SB04	SB05
RCRA 8 Metals								
Barium	380	2000	NE	0.099	0.092	0.165	0.244	0.110
Selenium	10	50	NE	—	—	0.004 J	0.003 J	—
Volatile Organic Compounds								
Acetone	1.8	NE	NE	—	—	—	—	0.010 J
Toluene	0.11	1	1	—	—	0.0007 J	—	—
Polynuclear Aromatic Hydrocarbons								
Acenaphthene	0.053	NE	0.939	—	—	—	—	0.000020
Methylnaphthalene, 1-	0.0011	NE	NE	—	—	—	—	0.000017 J
Naphthalene	0.00012	NE	0.02	—	—	0.000042	—	—
Extractable Petroleum Hydrocarbons								
Diesel Range Organics	NE	NE	NE	0.111	0.0576 J	0.111	0.243	0.272
Oil Range Organics	NE	NE	NE	0.0994	—	—	0.0883 J	0.0938
Extractable Petroleum Hydrocarbons (Total)	NE	NE	NE	0.210	0.0576 J	0.111	0.331 J	0.366

Notes:

All results are in milligrams per liter (mg/L).

U.S. EPA = United States Environmental Protection Agency

RCRA = Resource Conservation and Recovery Act

RSL = U.S. EPA Regional Screening Level for Tap Water (November 2021)

MCL = U.S. EPA Maximum Contaminant Level for Groundwater (November 2021)

ISL = Tennessee Underground Storage Tank System Assessment Closure Initial Screening Levels for groundwater-drinking water (September 2006)

NE = Not Established

— = Not Detected

J = Estimated

Table 3
Detected Concentrations in Soil Gas, December 2021
Block A, Legends Park Subdivision, Memphis, Tennessee

Analyte	Res VISL (a)	Com VISL (b)	SG01	SG02	SG03	SG04	SG05
Acetone	107000	451000	72	145	51.1	6.11	82.2
Benzene	12	52.4	**13.8 a**	2.18	1.67	0.581 J	2.66
Bromodichloromethane	2.53	11	1.19 J	—	—	—	—
Butadiene, 1,3-	3.12	13.6	1.42 J	0.843 J	—	—	1.21 J
Carbon tetrachloride	15.6	68.1	0.844 J	0.976 J	—	—	—
Chloroform	4.07	17.8	—	—	0.759 J	0.891 J	—
Chloromethane	313	1310	0.386 J	0.708	—	0.425 J	0.492 J
Cyclohexane	20900	87600	2.78	3.4	0.816 J	0.637 J	3.48
Dichlorobenzene, 1,4-	8.51	37.2	—	—	—	0.568 J	—
Dichlorodifluoromethane	348	1460	3.18	3.52	2.83	3.17	204
Ethylbenzene	37.4	164	3.95	2.49	1.98	0.863 J	1.94
Heptane, n-	1390	5840	3.01	3.88	1.1 J	—	3.67
Hexane, n-	2430	10200	2.22 J	4.76	1.1 J	—	5.89
Hexanone, 2-	104	438	2.27 J	8.79	1.37 J	—	3.25 J
Isopropanol	695	2920	19.9	4.87	—	2.63 J	283
Methyl Ethyl Ketone	17400	73000	7.84	19.2	3.16 J	—	7.61
Methyl-tert-butyl ether	360	1570	1.63	—	0.854 J	—	—
Methylene Chloride	2090	8760	0.653 J	0.639 J	—	0.583 J	—
Naphthalene	2.75	12	**26.8 ab**	—	—	—	—
Tetrachloroethene	139	584	0.964 J	—	—	—	—
Toluene	17400	73000	13.4	10.5	4.11	2.4 J	6.71
Trichlorotrifluoroethane, 1,1,2-	17400	73000	1.33 J	1.1 J	0.996 J	1.12 J	—
Trimethylbenzene, 1,2,4-	209	876	10.6	6.23	4.6	1.26 J	2.36
Trimethylbenzene, 1,3,5-	209	876	5.79	1.87	1.75	0.697 J	1.16 J
Xylene (Total)	348	1460	29.1	15.6	11	3.96 J	9.03

Notes:

All results are shown in micrograms per cubic meter ($\mu g/m^3$)

VISL = Vapor Intrusion Screening Level

Res VISL = Residential Target Sub-Slab and Near-source Soil Gas Concentration, TCR=1E-06, THQ=0.1 (November 2021)

Com VISL = Commercial Target Sub-Slab and Near-source Soil Gas Concentration, TCR=1E-06, THQ=0.1 (November 2021)

TCR = Target Cancer Risk

THQ = Target Hazard Quotient

J = Estimated value

— = Not detected

a = Exceeds Res VISL

b = Exceeds Com VISL

Table 4
Residential Vapor Intrusion Risk
Block A, Legends Park Subdivision, Memphis, Tennessee

Soil Gas Location	Carcinogenic Risk	Non-carcinogenic Risk
SG01	**1.20E-05**	0.315
SG02	5.81E-07	0.034
SG03	3.81E-07	0.0104
SG04	3.57E-07	0.00442
SG05	6.61E-07	0.128

Notes:
bold = exceeds TDEC response action risk value

Attachment E
Laboratory Data Reports

Soil
Laboratory Data Reports

Waypoint ANALYTICAL

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12/14/2021

Ensafe
Allison Harris
5724 Summer Tree Drive
Memphis, TN, 38134

Ref: Analytical Testing
Lab Report Number: 21-343-0097
Client Project Description: Legends Park
Project No. 0888830988

Dear Allison Harris:
Waypoint Analytical, LLC. received sample(s) on 12/9/2021 for the analyses presented in the following report.

The above referenced project has been analyzed per your instructions. The analyses were performed in accordance with the applicable analytical method. Where the laboratory was not responsible for the sampling stage (refer to the chain of custody) results apply to the sample as received.

The analytical data has been validated using standard quality control measures performed as required by the analytical method. Quality Assurance, method validations, instrumentation maintenance and calibration for all parameters (NELAP and non-NELAP) were performed in accordance with guidelines established by the USEPA (including 40 CFR 136 Method Update Rule May 2021) and NELAC unless otherwise indicated. Any parameter for which the laboratory is not officially NELAP accredited is indicated by a '~' symbol. These are not included in the scope because NELAP accreditation is either not available or has not been applied for. Additional certifications may be held/are available for parameters, where NELAP accreditation is not required or applicable. A full list of certifications is available upon request.

Certain parameters (chlorine, pH, dissolved oxygen, sulfite...) are required to be analyzed within 15 minutes of sampling. Usually, but not always, any field parameter analyzed at the laboratory is outside of this holding time. Refer to sample analysis time for confirmation of holding time compliance.

The results are shown on the attached Report of Analysis(s). Results for solid matrices are reported on an as-received basis unless otherwise indicated. This report shall not be reproduced except in full and relates only to the samples included in this report.

Please do not hesitate to contact me or client services if you have any questions or need additional information.

Sincerely,

Rebekah Ross

Rebekah Ross
Project Manager

Laboratory's liability in any claim relating to analyses performed shall be limited to, at laboratory's option, repeating the analysis in question at laboratory's expense, or the refund of the charges paid for performance of said analysis.

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Certification Summary

Laboratory ID: WP MTN: Waypoint Analytical, LLC., Memphis, TN

State	Program	Lab ID	Expiration Date
Alabama	State Program	40750	02/28/2022
Arkansas	State Program	88-0650	02/07/2022
California	State Program	2904	06/30/2022
Florida	State Program - NELAP	E871157	06/30/2022
Georgia	State Program	C044	02/18/2023
Georgia	State Program	04015	06/30/2022
Illinois	State Program - NELAP	200078	10/10/2022
Kentucky	State Program	80215	06/30/2022
Kentucky	State Program	KY90047	12/31/2021
Louisiana	State Program - NELAP	LA037	12/31/2021
Louisiana	State Program - NELAP	04015	06/30/2022
Mississippi	State Program	MS	02/11/2023
North Carolina	State Program	415	12/31/2021
Pennsylvania	State Program - NELAP	68-03195	05/31/2022
South Carolina	State Program	84002	06/30/2022
South Carolina	State Program	84002	06/30/2022
Tennessee	State Program	02027	02/11/2023
Texas	State Program - NELAP	T104704180	09/30/2022
Virginia	State Program	00106	06/30/2022
Virginia	State Program - NELAP	460181	09/14/2022

Waypoint ANALYTICAL
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Sample Summary Table

Report Number: **21-343-0097**

Client Project Description: **Legends Park**
Project No. 0888830988

Lab No	Client Sample ID	Matrix	Date Collected	Date Received
95549	LEGSBO116-20	Solids	12/08/2021 11:00	12/09/2021
95550	LEGSBO124-28	Solids	12/08/2021 11:05	12/09/2021
95551	LEGSBO204-08	Solids	12/08/2021 13:40	12/09/2021
95552	LEGSBO228-32	Solids	12/08/2021 13:50	12/09/2021
95553	LEGSBo312-16	Solids	12/08/2021 15:30	12/09/2021
95554	LEGSBO324-28	Solids	12/08/2021 16:00	12/09/2021
95555	LEGSBO416-20	Solids	12/08/2021 09:15	12/09/2021
95556	LEGSBO428-32	Solids	12/08/2021 09:10	12/09/2021
95557	LEGSBO516-20	Solids	12/08/2021 10:05	12/09/2021
95558	LEGSBO528-32	Solids	12/08/2021 10:15	12/09/2021

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Client: Ensafe
Project: Legends Park
Lab Report Number: 21-343-0097
Date: 12/14/2021

CASE NARRATIVE

Volatile Organic Compounds - GC/MS Method 8260B
Sample 95553 (LEGSBo312-16)
QC Batch No: L589847/L589843
Surrogate(s) was flagged for recovery outside QC limits in this project sample. This sample was re-analyzed for verification, and/or dilution of target analytes. Batch QC samples (method blank and laboratory control samples) all showed surrogates within QC limits.

TN EPH Method TN EPH
Sample 95549 (LEGSBO116-20)
QC Batch No: L589528/L589313
Surrogate(s) was flagged for recovery outside QC limits in this project sample. This sample was re-analyzed for verification, and/or dilution of target analytes. Batch QC samples (method blank and laboratory control samples) all showed surrogates within QC limits.

Sample 95550 (LEGSBO124-28)
QC Batch No: L589528/L589313
Surrogate(s) was flagged for recovery outside QC limits in this project sample. This sample was re-analyzed for verification, and/or dilution of target analytes. Batch QC samples (method blank and laboratory control samples) all showed surrogates within QC limits.

Sample 95551 (LEGSBO204-08)
QC Batch No: L589528/L589313
Surrogate(s) was flagged for recovery outside QC limits in this project sample. This sample was re-analyzed for verification, and/or dilution of target analytes. Batch QC samples (method blank and laboratory control samples) all showed surrogates within QC limits.

Sample 95552 (LEGSBO228-32)
QC Batch No: L589528/L589313
Surrogate(s) was flagged for recovery outside QC limits in this project sample. This sample was re-analyzed for verification, and/or dilution of target analytes. Batch QC samples (method blank and laboratory control samples) all showed surrogates within QC limits.

Sample 95553 (LEGSBo312-16)
QC Batch No: L589528/L589313
Surrogate(s) was flagged for recovery outside QC limits in this project sample. This sample was re-analyzed for verification, and/or dilution of target analytes. Batch QC samples (method blank and laboratory control samples) all showed surrogates within QC limits.

Sample 95554 (LEGSBO324-28)
QC Batch No: L589528/L589313
Surrogate(s) was flagged for recovery outside QC limits in this project sample. This sample was re-analyzed for verification, and/or dilution of target analytes. Batch QC samples (method blank and laboratory control samples) all showed surrogates within QC limits.

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Sample 95555 (LEGSBO416-20)
QC Batch No: L589528/L589313
Surrogate(s) was flagged for recovery outside QC limits in this project sample. This sample was re-analyzed for verification, and/or dilution of target analytes. Batch QC samples (method blank and laboratory control samples) all showed surrogates within QC limits.

Sample 95557 (LEGSBO516-20)
QC Batch No: L589528/L589313
Surrogate(s) was flagged for recovery outside QC limits in this project sample. This sample was re-analyzed for verification, and/or dilution of target analytes. Batch QC samples (method blank and laboratory control samples) all showed surrogates within QC limits.

Sample 95558 (LEGSBO528-32)
QC Batch No: L589528/L589313
Surrogate(s) was flagged for recovery outside QC limits in this project sample. This sample was re-analyzed for verification, and/or dilution of target analytes. Batch QC samples (method blank and laboratory control samples) all showed surrogates within QC limits.

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03180
Ensafe
Allison Harris
5724 Summer Tree Drive
Memphis , TN 38134

Project Legends Park
Information : Project No. 0888830988

Report Date : 12/14/2021
Received : 12/09/2021

Rebekah Ross
Project Manager

Report Number : **21-343-0097**

REPORT OF ANALYSIS

Lab No : **95549**
Sample ID : **LEGSBO116-20**

Matrix: **Solids**
Sampled: **12/8/2021 11:00**

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Method
Moisture	**19.0**	%			1	12/10/21 13:21	FMM	SW-DRYWT

Qualifiers/ Definitions				
	*	Outside QC Limit	DF	Dilution Factor
	J	Estimated value	L	Limit Exceeded
	MQL	Method Quantitation Limit		

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03180
Ensafe
Allison Harris
5724 Summer Tree Drive
Memphis , TN 38134

Project Legends Park
Information : Project No. 0888830988

Report Date : 12/14/2021
Received : 12/09/2021

Rebekah Ross
Project Manager

Report Number : **21-343-0097**

REPORT OF ANALYSIS

Lab No : **95549**
Sample ID : **LEGSBO116-20**

Matrix: **Solids**
Sampled: **12/8/2021 11:00**

Analytical Method: 8260B **Prep Batch(es):** **L589843** 12/13/21 08:17
Prep Method: 5035

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Batch
Acetone	<0.0053	mg/Kg - dry	0.0053	0.0493	1	12/13/21 11:12	ELM	L589847
Acetonitrile	<0.0644	mg/Kg - dry	0.0644	0.247	1	12/13/21 11:12	ELM	L589847
Acrolein	<0.0101	mg/Kg - dry	0.0101	0.0493	1	12/13/21 11:12	ELM	L589847
Acrylonitrile	<0.0046	mg/Kg - dry	0.0046	0.0493	1	12/13/21 11:12	ELM	L589847
Benzene	**0.0008 J**	mg/Kg - dry	0.0004	0.0024	1	12/13/21 11:12	ELM	L589847
Bromobenzene	<0.0009	mg/Kg - dry	0.0009	0.0024	1	12/13/21 11:12	ELM	L589847
Bromochloromethane	<0.0005	mg/Kg - dry	0.0005	0.0024	1	12/13/21 11:12	ELM	L589847
Bromodichloromethane	<0.0009	mg/Kg - dry	0.0009	0.0024	1	12/13/21 11:12	ELM	L589847
Bromoform	<0.0016	mg/Kg - dry	0.0016	0.0024	1	12/13/21 11:12	ELM	L589847
Bromomethane	<0.0019	mg/Kg - dry	0.0019	0.0024	1	12/13/21 11:12	ELM	L589847
Methyl Ethyl Ketone (MEK)	<0.0047	mg/Kg - dry	0.0047	0.0493	1	12/13/21 11:12	ELM	L589847
n-Butylbenzene	<0.0011	mg/Kg - dry	0.0011	0.0024	1	12/13/21 11:12	ELM	L589847
sec-Butyl benzene	<0.0011	mg/Kg - dry	0.0011	0.0024	1	12/13/21 11:12	ELM	L589847
tert-Butyl benzene	<0.0009	mg/Kg - dry	0.0009	0.0024	1	12/13/21 11:12	ELM	L589847
Carbon Disulfide	<0.0035	mg/Kg - dry	0.0035	0.0123	1	12/13/21 11:12	ELM	L589847
Carbon Tetrachloride	<0.0005	mg/Kg - dry	0.0005	0.0024	1	12/13/21 11:12	ELM	L589847
Chlorobenzene	<0.0009	mg/Kg - dry	0.0009	0.0024	1	12/13/21 11:12	ELM	L589847
Chlorodibromomethane	<0.0012	mg/Kg - dry	0.0012	0.0024	1	12/13/21 11:12	ELM	L589847
Chloroethane	<0.0010	mg/Kg - dry	0.0010	0.0024	1	12/13/21 11:12	ELM	L589847
Chloroform	<0.0006	mg/Kg - dry	0.0006	0.0024	1	12/13/21 11:12	ELM	L589847
Chloromethane	<0.0008	mg/Kg - dry	0.0008	0.0024	1	12/13/21 11:12	ELM	L589847
2-Chlorotoluene	<0.0012	mg/Kg - dry	0.0012	0.0024	1	12/13/21 11:12	ELM	L589847

Qualifiers/ Definitions

*	Outside QC Limit	DF	Dilution Factor
J	Estimated value	MQL	Method Quantitation Limit

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Project Legends Park
Information : Project No. 0888830988

Report Date : 12/14/2021
Received : 12/09/2021

Rebekah Ross
Project Manager

Report Number : **21-343-0097**

REPORT OF ANALYSIS

Lab No : **95549**
Sample ID : **LEGSBO116-20**

Matrix: **Solids**
Sampled: **12/8/2021 11:00**

Analytical Method: 8260B **Prep Batch(es):** **L589843** 12/13/21 08:17
Prep Method: 5035

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Batch
4-Chlorotoluene	<0.0013	mg/Kg - dry	0.0013	0.0024	1	12/13/21 11:12	ELM	L589847
1,2-Dibromo-3-Chloropropane	<0.0081	mg/Kg - dry	0.0081	0.0123	1	12/13/21 11:12	ELM	L589847
1,2-Dibromoethane	<0.0011	mg/Kg - dry	0.0011	0.0024	1	12/13/21 11:12	ELM	L589847
Dibromomethane	<0.0008	mg/Kg - dry	0.0008	0.0024	1	12/13/21 11:12	ELM	L589847
1,2-Dichlorobenzene	<0.0017	mg/Kg - dry	0.0017	0.0024	1	12/13/21 11:12	ELM	L589847
1,3-Dichlorobenzene	<0.0016	mg/Kg - dry	0.0016	0.0024	1	12/13/21 11:12	ELM	L589847
1,4-Dichlorobenzene	<0.0018	mg/Kg - dry	0.0018	0.0024	1	12/13/21 11:12	ELM	L589847
Dichlorodifluoromethane	<0.0023	mg/Kg - dry	0.0023	0.0024	1	12/13/21 11:12	ELM	L589847
1,1-Dichloroethane	<0.0004	mg/Kg - dry	0.0004	0.0024	1	12/13/21 11:12	ELM	L589847
1,2-Dichloroethane	<0.0005	mg/Kg - dry	0.0005	0.0024	1	12/13/21 11:12	ELM	L589847
1,1-Dichloroethene	<0.0007	mg/Kg - dry	0.0007	0.0024	1	12/13/21 11:12	ELM	L589847
cis-1,2-Dichloroethene	<0.0006	mg/Kg - dry	0.0006	0.0024	1	12/13/21 11:12	ELM	L589847
trans-1,2-Dichloroethene	<0.0003	mg/Kg - dry	0.0003	0.0024	1	12/13/21 11:12	ELM	L589847
1,2-Dichloroethene (Total)	<0.0003	mg/Kg - dry	0.0003	0.0024	1	12/13/21 11:12		L589847
1,2-Dichloropropane	<0.0008	mg/Kg - dry	0.0008	0.0024	1	12/13/21 11:12	ELM	L589847
1,3-Dichloropropane	<0.0011	mg/Kg - dry	0.0011	0.0024	1	12/13/21 11:12	ELM	L589847
2,2-Dichloropropane	<0.0007	mg/Kg - dry	0.0007	0.0024	1	12/13/21 11:12	ELM	L589847
1,1-Dichloropropene	<0.0004	mg/Kg - dry	0.0004	0.0024	1	12/13/21 11:12	ELM	L589847
cis-1,3-Dichloropropene	<0.0009	mg/Kg - dry	0.0009	0.0024	1	12/13/21 11:12	ELM	L589847
trans-1,3-Dichloropropene	<0.0009	mg/Kg - dry	0.0009	0.0024	1	12/13/21 11:12	ELM	L589847
Ethyl Acetate	<0.0074	mg/Kg - dry	0.0074	0.0493	1	12/13/21 11:12	ELM	L589847
Ethylbenzene	**0.0012 J**	mg/Kg - dry	0.0007	0.0024	1	12/13/21 11:12	ELM	L589847

Qualifiers/ Definitions

*	Outside QC Limit	DF	Dilution Factor
J	Estimated value	MQL	Method Quantitation Limit

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Project Legends Park

Information : Project No. 0888830988

Report Date : 12/14/2021
Received : 12/09/2021

Rebekah Ross
Project Manager

Report Number : **21-343-0097**

REPORT OF ANALYSIS

Lab No : **95549**
Sample ID : **LEGSBO116-20**

Matrix: **Solids**
Sampled: **12/8/2021 11:00**

Analytical Method: 8260B **Prep Batch(es):** **L589843** 12/13/21 08:17
Prep Method: 5035

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Batch
Hexachlorobutadiene	<0.0011	mg/Kg - dry	0.0011	0.0024	1	12/13/21 11:12	ELM	L589847
2-Hexanone	<0.0074	mg/Kg - dry	0.0074	0.0123	1	12/13/21 11:12	ELM	L589847
Iodomethane	<0.0056	mg/Kg - dry	0.0056	0.0123	1	12/13/21 11:12	ELM	L589847
Isopropylbenzene	<0.0009	mg/Kg - dry	0.0009	0.0024	1	12/13/21 11:12	ELM	L589847
4-Isopropyl toluene	<0.0012	mg/Kg - dry	0.0012	0.0024	1	12/13/21 11:12	ELM	L589847
4-Methyl-2-Pentanone	<0.0072	mg/Kg - dry	0.0072	0.0123	1	12/13/21 11:12	ELM	L589847
Methylene Chloride	<0.0034	mg/Kg - dry	0.0034	0.0123	1	12/13/21 11:12	ELM	L589847
Methyl tert-butyl ether (MTBE)	<0.0007	mg/Kg - dry	0.0007	0.0024	1	12/13/21 11:12	ELM	L589847
m,p-Xylene	<0.0017	mg/Kg - dry	0.0017	0.0049	1	12/13/21 11:12	ELM	L589847
Naphthalene	<0.0078	mg/Kg - dry	0.0078	0.0123	1	12/13/21 11:12	ELM	L589847
o-Xylene	<0.0009	mg/Kg - dry	0.0009	0.0024	1	12/13/21 11:12	ELM	L589847
n-Propyl acetate	<0.0083	mg/Kg - dry	0.0083	0.0123	1	12/13/21 11:12	ELM	L589847
n-Propylbenzene	<0.0007	mg/Kg - dry	0.0007	0.0024	1	12/13/21 11:12	ELM	L589847
Styrene	<0.0014	mg/Kg - dry	0.0014	0.0024	1	12/13/21 11:12	ELM	L589847
1,1,1,2-Tetrachloroethane	<0.0010	mg/Kg - dry	0.0010	0.0024	1	12/13/21 11:12	ELM	L589847
1,1,2,2-Tetrachloroethane	<0.0023	mg/Kg - dry	0.0023	0.0024	1	12/13/21 11:12	ELM	L589847
Tetrachloroethene	<0.0009	mg/Kg - dry	0.0009	0.0024	1	12/13/21 11:12	ELM	L589847
Toluene	<0.0040	mg/Kg - dry	0.0040	0.0049	1	12/13/21 11:12	ELM	L589847
1,2,3-Trichlorobenzene	<0.0024	mg/Kg - dry	0.0024	0.0024	1	12/13/21 11:12	ELM	L589847
1,2,4-Trichlorobenzene	<0.0013	mg/Kg - dry	0.0013	0.0024	1	12/13/21 11:12	ELM	L589847
1,1,1-Trichloroethane	<0.0004	mg/Kg - dry	0.0004	0.0024	1	12/13/21 11:12	ELM	L589847
1,1,2-Trichloroethane	<0.0012	mg/Kg - dry	0.0012	0.0024	1	12/13/21 11:12	ELM	L589847

Qualifiers/ Definitions

*	Outside QC Limit	DF	Dilution Factor
J	Estimated value	MQL	Method Quantitation Limit

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Project Legends Park
Information : Project No. 0888830988

Report Date : 12/14/2021
Received : 12/09/2021

Rebekah Ross
Project Manager

Report Number : **21-343-0097**

REPORT OF ANALYSIS

Lab No : **95549**
Sample ID : **LEGSBO116-20**

Matrix: **Solids**
Sampled: **12/8/2021 11:00**

Analytical Method: 8260B **Prep Batch(es):** **L589843** 12/13/21 08:17
Prep Method: 5035

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Batch
Trichloroethene	<0.0011	mg/Kg - dry	0.0011	0.0024	1	12/13/21 11:12	ELM	L589847
Trichlorofluoromethane	<0.0010	mg/Kg - dry	0.0010	0.0024	1	12/13/21 11:12	ELM	L589847
1,2,3-Trichloropropane	<0.0018	mg/Kg - dry	0.0018	0.0024	1	12/13/21 11:12	ELM	L589847
1,2,4-Trimethylbenzene	**0.0010 J**	mg/Kg - dry	0.0010	0.0024	1	12/13/21 11:12	ELM	L589847
1,3,5-Trimethylbenzene	<0.0011	mg/Kg - dry	0.0011	0.0024	1	12/13/21 11:12	ELM	L589847
Vinyl Acetate	<0.0049	mg/Kg - dry	0.0049	0.0493	1	12/13/21 11:12	ELM	L589847
Vinyl Chloride	<0.0009	mg/Kg - dry	0.0009	0.0024	1	12/13/21 11:12	ELM	L589847
Xylene (Total)	<0.0009	mg/Kg - dry	0.0009	0.0024	1	12/13/21 11:12		L589847
Surrogate: 4-Bromofluorobenzene	84.9		Limits: 60-140%		1	12/13/21 11:12	ELM	L589847
Surrogate: 1,2-Dichloroethane - d4	60.1		Limits: 60-140%		1	12/13/21 11:12	ELM	L589847
Surrogate: Toluene-d8	65.0		Limits: 60-140%		1	12/13/21 11:12	ELM	L589847

Analytical Method: 8270D SIM **Prep Batch(es):** **L589383** 12/10/21 11:13
Prep Method: 3550B

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Batch
Acenaphthene	<0.000370	mg/Kg - dry	0.000370	0.000827	1	12/10/21 23:50	VBW	L589638
Acenaphthylene	<0.000333	mg/Kg - dry	0.000333	0.000827	1	12/10/21 23:50	VBW	L589638
Anthracene	<0.000407	mg/Kg - dry	0.000407	0.000827	1	12/10/21 23:50	VBW	L589638
Benzo(a)anthracene	<0.000506	mg/Kg - dry	0.000506	0.000827	1	12/10/21 23:50	VBW	L589638
Benzo(a)pyrene	<0.000172	mg/Kg - dry	0.000172	0.000827	1	12/10/21 23:50	VBW	L589638
Benzo(b)fluoranthene	<0.000259	mg/Kg - dry	0.000259	0.000827	1	12/10/21 23:50	VBW	L589638
Benzo(g,h,i)perylene	<0.000506	mg/Kg - dry	0.000506	0.000827	1	12/10/21 23:50	VBW	L589638

Qualifiers/ Definitions
* Outside QC Limit
J Estimated value
DF Dilution Factor
MQL Method Quantitation Limit

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Project Legends Park
Information : Project No. 0888830988

Report Date : 12/14/2021
Received : 12/09/2021

Rebekah Ross
Project Manager

Report Number : **21-343-0097**

REPORT OF ANALYSIS

Lab No : **95549**
Sample ID : **LEGSBO116-20**

Matrix: **Solids**
Sampled: **12/8/2021 11:00**

Analytical Method: 8270D SIM **Prep Batch(es):** **L589383** 12/10/21 11:13
Prep Method: 3550B

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Batch
Benzo(k)fluoranthene	<0.000160	mg/Kg - dry	0.000160	0.000827	1	12/10/21 23:50	VBW	L589638
Chrysene	<0.000333	mg/Kg - dry	0.000333	0.000827	1	12/10/21 23:50	VBW	L589638
Dibenz(a,h)anthracene	<0.000444	mg/Kg - dry	0.000444	0.000827	1	12/10/21 23:50	VBW	L589638
Fluoranthene	<0.000481	mg/Kg - dry	0.000481	0.000827	1	12/10/21 23:50	VBW	L589638
Fluorene	<0.000358	mg/Kg - dry	0.000358	0.000827	1	12/10/21 23:50	VBW	L589638
Indeno(1,2,3-cd)pyrene	<0.000358	mg/Kg - dry	0.000358	0.000827	1	12/10/21 23:50	VBW	L589638
2-Methylnaphthalene	<0.000481	mg/Kg - dry	0.000481	0.000827	1	12/10/21 23:50	VBW	L589638
Naphthalene	<0.000576	mg/Kg - dry	0.000576	0.000827	1	12/10/21 23:50	VBW	L589638
Phenanthrene	<0.000518	mg/Kg - dry	0.000518	0.000827	1	12/10/21 23:50	VBW	L589638
Pyrene	<0.000728	mg/Kg - dry	0.000728	0.000827	1	12/10/21 23:50	VBW	L589638
Surrogate: 2-Fluorobiphenyl		55.0		Limits: 33-115%	1	12/10/21 23:50	VBW	L589638
Surrogate: Nitrobenzene-d5		44.1		Limits: 29-110%	1	12/10/21 23:50	VBW	L589638
Surrogate: 4-Terphenyl-d14		73.6		Limits: 33-122%	1	12/10/21 23:50	VBW	L589638

Analytical Method: TN EPH **Prep Batch(es):** **L589313** 12/10/21 09:46
Prep Method: 3550B

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Batch
Diesel Range Organics (C10-C28)	<3.70	mg/Kg - dry	3.70	4.07	1	12/10/21 22:13	MMK	L589528
Oil Range Organics (>C28-C40)	**4.88**	mg/Kg - dry	3.70	4.07	1	12/10/21 22:13	MMK	L589528
TN EPH (C10-C40)	**4.88**	mg/Kg - dry	3.70	4.07	1	12/10/21 22:13		L589528
Surrogate: OTP Surrogate		**44.1 ***		Limits: 50-150%	1	12/10/21 22:13	MMK	L589528

Qualifiers/ Definitions

*	Outside QC Limit	DF	Dilution Factor
J	Estimated value	MQL	Method Quantitation Limit

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Project Legends Park
Information : Project No. 0888830988

Report Date : 12/14/2021
Received : 12/09/2021

Report Number : **21-343-0097**

REPORT OF ANALYSIS

Rebekah Ross
Project Manager

Lab No : **95550**
Sample ID : **LEGSBO124-28**

Matrix: **Solids**
Sampled: **12/8/2021 11:05**

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Method
Moisture	**20.7**	%			1	12/10/21 13:21	FMM	SW-DRYWT

Qualifiers/ Definitions

*	Outside QC Limit		DF	Dilution Factor
J	Estimated value		L	Limit Exceeded
MQL	Method Quantitation Limit			

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Information : Project No. 0888830988

Report Date : 12/14/2021
Received : 12/09/2021

Rebekah Ross
Project Manager

Report Number : **21-343-0097**

REPORT OF ANALYSIS

Lab No : **95550**
Sample ID : **LEGSBO124-28**

Matrix: **Solids**
Sampled: **12/8/2021 11:05**

Analytical Method: 8260B **Prep Batch(es):** **L589843** 12/13/21 08:17
Prep Method: 5035

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Batch
Acetone	<0.0054	mg/Kg - dry	0.0054	0.0504	1	12/13/21 16:09	ELM	L589847
Acetonitrile	<0.0658	mg/Kg - dry	0.0658	0.252	1	12/13/21 16:09	ELM	L589847
Acrolein	<0.0104	mg/Kg - dry	0.0104	0.0504	1	12/13/21 16:09	ELM	L589847
Acrylonitrile	<0.0047	mg/Kg - dry	0.0047	0.0504	1	12/13/21 16:09	ELM	L589847
Benzene	<0.0004	mg/Kg - dry	0.0004	0.0025	1	12/13/21 16:09	ELM	L589847
Bromobenzene	<0.0009	mg/Kg - dry	0.0009	0.0025	1	12/13/21 16:09	ELM	L589847
Bromochloromethane	<0.0005	mg/Kg - dry	0.0005	0.0025	1	12/13/21 16:09	ELM	L589847
Bromodichloromethane	<0.0009	mg/Kg - dry	0.0009	0.0025	1	12/13/21 16:09	ELM	L589847
Bromoform	<0.0016	mg/Kg - dry	0.0016	0.0025	1	12/13/21 16:09	ELM	L589847
Bromomethane	<0.0020	mg/Kg - dry	0.0020	0.0025	1	12/13/21 16:09	ELM	L589847
Methyl Ethyl Ketone (MEK)	<0.0048	mg/Kg - dry	0.0048	0.0504	1	12/13/21 16:09	ELM	L589847
n-Butylbenzene	<0.0011	mg/Kg - dry	0.0011	0.0025	1	12/13/21 16:09	ELM	L589847
sec-Butyl benzene	<0.0011	mg/Kg - dry	0.0011	0.0025	1	12/13/21 16:09	ELM	L589847
tert-Butyl benzene	<0.0009	mg/Kg - dry	0.0009	0.0025	1	12/13/21 16:09	ELM	L589847
Carbon Disulfide	<0.0035	mg/Kg - dry	0.0035	0.0126	1	12/13/21 16:09	ELM	L589847
Carbon Tetrachloride	<0.0005	mg/Kg - dry	0.0005	0.0025	1	12/13/21 16:09	ELM	L589847
Chlorobenzene	<0.0009	mg/Kg - dry	0.0009	0.0025	1	12/13/21 16:09	ELM	L589847
Chlorodibromomethane	<0.0013	mg/Kg - dry	0.0013	0.0025	1	12/13/21 16:09	ELM	L589847
Chloroethane	<0.0010	mg/Kg - dry	0.0010	0.0025	1	12/13/21 16:09	ELM	L589847
Chloroform	<0.0006	mg/Kg - dry	0.0006	0.0025	1	12/13/21 16:09	ELM	L589847
Chloromethane	<0.0009	mg/Kg - dry	0.0009	0.0025	1	12/13/21 16:09	ELM	L589847
2-Chlorotoluene	<0.0012	mg/Kg - dry	0.0012	0.0025	1	12/13/21 16:09	ELM	L589847

Qualifiers/ Definitions

*	Outside QC Limit	DF	Dilution Factor
J	Estimated value	MQL	Method Quantitation Limit

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Project Legends Park
Information : Project No. 0888830988

Report Date : 12/14/2021
Received : 12/09/2021

Rebekah Ross
Project Manager

Report Number : **21-343-0097**

REPORT OF ANALYSIS

Lab No : **95550**
Sample ID : **LEGSBO124-28**

Matrix: **Solids**
Sampled: **12/8/2021 11:05**

Analytical Method: 8260B **Prep Batch(es):** **L589843** 12/13/21 08:17
Prep Method: 5035

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Batch
4-Chlorotoluene	<0.0013	mg/Kg - dry	0.0013	0.0025	1	12/13/21 16:09	ELM	L589847
1,2-Dibromo-3-Chloropropane	<0.0083	mg/Kg - dry	0.0083	0.0126	1	12/13/21 16:09	ELM	L589847
1,2-Dibromoethane	<0.0011	mg/Kg - dry	0.0011	0.0025	1	12/13/21 16:09	ELM	L589847
Dibromomethane	<0.0008	mg/Kg - dry	0.0008	0.0025	1	12/13/21 16:09	ELM	L589847
1,2-Dichlorobenzene	<0.0017	mg/Kg - dry	0.0017	0.0025	1	12/13/21 16:09	ELM	L589847
1,3-Dichlorobenzene	<0.0016	mg/Kg - dry	0.0016	0.0025	1	12/13/21 16:09	ELM	L589847
1,4-Dichlorobenzene	<0.0019	mg/Kg - dry	0.0019	0.0025	1	12/13/21 16:09	ELM	L589847
Dichlorodifluoromethane	<0.0023	mg/Kg - dry	0.0023	0.0025	1	12/13/21 16:09	ELM	L589847
1,1-Dichloroethane	<0.0004	mg/Kg - dry	0.0004	0.0025	1	12/13/21 16:09	ELM	L589847
1,2-Dichloroethane	<0.0005	mg/Kg - dry	0.0005	0.0025	1	12/13/21 16:09	ELM	L589847
1,1-Dichloroethene	<0.0007	mg/Kg - dry	0.0007	0.0025	1	12/13/21 16:09	ELM	L589847
cis-1,2-Dichloroethene	<0.0006	mg/Kg - dry	0.0006	0.0025	1	12/13/21 16:09	ELM	L589847
trans-1,2-Dichloroethene	<0.0003	mg/Kg - dry	0.0003	0.0025	1	12/13/21 16:09	ELM	L589847
1,2-Dichloroethene (Total)	<0.0003	mg/Kg - dry	0.0003	0.0025	1	12/13/21 16:09		L589847
1,2-Dichloropropane	<0.0008	mg/Kg - dry	0.0008	0.0025	1	12/13/21 16:09	ELM	L589847
1,3-Dichloropropane	<0.0011	mg/Kg - dry	0.0011	0.0025	1	12/13/21 16:09	ELM	L589847
2,2-Dichloropropane	<0.0007	mg/Kg - dry	0.0007	0.0025	1	12/13/21 16:09	ELM	L589847
1,1-Dichloropropene	<0.0004	mg/Kg - dry	0.0004	0.0025	1	12/13/21 16:09	ELM	L589847
cis-1,3-Dichloropropene	<0.0009	mg/Kg - dry	0.0009	0.0025	1	12/13/21 16:09	ELM	L589847
trans-1,3-Dichloropropene	<0.0009	mg/Kg - dry	0.0009	0.0025	1	12/13/21 16:09	ELM	L589847
Ethyl Acetate	<0.0076	mg/Kg - dry	0.0076	0.0504	1	12/13/21 16:09	ELM	L589847
Ethylbenzene	<0.0008	mg/Kg - dry	0.0008	0.0025	1	12/13/21 16:09	ELM	L589847

Qualifiers/ Definitions

*	Outside QC Limit	DF	Dilution Factor
J	Estimated value	MQL	Method Quantitation Limit

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5724 Summer Tree Drive
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Project Legends Park
Information : Project No. 0888830988

Report Date : 12/14/2021
Received : 12/09/2021

Rebekah Ross
Project Manager

Report Number : **21-343-0097**

REPORT OF ANALYSIS

Lab No : **95550**
Sample ID : **LEGSBO124-28**

Matrix: **Solids**
Sampled: **12/8/2021 11:05**

Analytical Method: 8260B **Prep Batch(es):** **L589843** 12/13/21 08:17
Prep Method: 5035

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Batch
Hexachlorobutadiene	<0.0011	mg/Kg - dry	0.0011	0.0025	1	12/13/21 16:09	ELM	L589847
2-Hexanone	<0.0075	mg/Kg - dry	0.0075	0.0126	1	12/13/21 16:09	ELM	L589847
Iodomethane	<0.0057	mg/Kg - dry	0.0057	0.0126	1	12/13/21 16:09	ELM	L589847
Isopropylbenzene	<0.0009	mg/Kg - dry	0.0009	0.0025	1	12/13/21 16:09	ELM	L589847
4-Isopropyl toluene	<0.0012	mg/Kg - dry	0.0012	0.0025	1	12/13/21 16:09	ELM	L589847
4-Methyl-2-Pentanone	<0.0073	mg/Kg - dry	0.0073	0.0126	1	12/13/21 16:09	ELM	L589847
Methylene Chloride	<0.0035	mg/Kg - dry	0.0035	0.0126	1	12/13/21 16:09	ELM	L589847
Methyl tert-butyl ether (MTBE)	<0.0007	mg/Kg - dry	0.0007	0.0025	1	12/13/21 16:09	ELM	L589847
m,p-Xylene	<0.0018	mg/Kg - dry	0.0018	0.0050	1	12/13/21 16:09	ELM	L589847
Naphthalene	<0.0079	mg/Kg - dry	0.0079	0.0126	1	12/13/21 16:09	ELM	L589847
o-Xylene	<0.0009	mg/Kg - dry	0.0009	0.0025	1	12/13/21 16:09	ELM	L589847
n-Propyl acetate	<0.0085	mg/Kg - dry	0.0085	0.0126	1	12/13/21 16:09	ELM	L589847
n-Propylbenzene	<0.0007	mg/Kg - dry	0.0007	0.0025	1	12/13/21 16:09	ELM	L589847
Styrene	<0.0014	mg/Kg - dry	0.0014	0.0025	1	12/13/21 16:09	ELM	L589847
1,1,1,2-Tetrachloroethane	<0.0011	mg/Kg - dry	0.0011	0.0025	1	12/13/21 16:09	ELM	L589847
1,1,2,2-Tetrachloroethane	<0.0023	mg/Kg - dry	0.0023	0.0025	1	12/13/21 16:09	ELM	L589847
Tetrachloroethene	<0.0009	mg/Kg - dry	0.0009	0.0025	1	12/13/21 16:09	ELM	L589847
Toluene	<0.0041	mg/Kg - dry	0.0041	0.0050	1	12/13/21 16:09	ELM	L589847
1,2,3-Trichlorobenzene	<0.0025	mg/Kg - dry	0.0025	0.0025	1	12/13/21 16:09	ELM	L589847
1,2,4-Trichlorobenzene	<0.0014	mg/Kg - dry	0.0014	0.0025	1	12/13/21 16:09	ELM	L589847
1,1,1-Trichloroethane	<0.0004	mg/Kg - dry	0.0004	0.0025	1	12/13/21 16:09	ELM	L589847
1,1,2-Trichloroethane	<0.0012	mg/Kg - dry	0.0012	0.0025	1	12/13/21 16:09	ELM	L589847

Qualifiers/ Definitions

*	Outside QC Limit	DF	Dilution Factor
J	Estimated value	MQL	Method Quantitation Limit

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Project Legends Park
Information : Project No. 0888830988

Report Date : 12/14/2021
Received : 12/09/2021

Rebekah Ross
Project Manager

Report Number : **21-343-0097**

REPORT OF ANALYSIS

Lab No : **95550**
Sample ID : **LEGSBO124-28**

Matrix: **Solids**
Sampled: **12/8/2021 11:05**

Analytical Method: 8260B **Prep Batch(es):** **L589843** 12/13/21 08:17
Prep Method: 5035

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Batch
Trichloroethene	<0.0011	mg/Kg - dry	0.0011	0.0025	1	12/13/21 16:09	ELM	L589847
Trichlorofluoromethane	<0.0011	mg/Kg - dry	0.0011	0.0025	1	12/13/21 16:09	ELM	L589847
1,2,3-Trichloropropane	<0.0019	mg/Kg - dry	0.0019	0.0025	1	12/13/21 16:09	ELM	L589847
1,2,4-Trimethylbenzene	<0.0010	mg/Kg - dry	0.0010	0.0025	1	12/13/21 16:09	ELM	L589847
1,3,5-Trimethylbenzene	<0.0011	mg/Kg - dry	0.0011	0.0025	1	12/13/21 16:09	ELM	L589847
Vinyl Acetate	<0.0050	mg/Kg - dry	0.0050	0.0504	1	12/13/21 16:09	ELM	L589847
Vinyl Chloride	<0.0009	mg/Kg - dry	0.0009	0.0025	1	12/13/21 16:09	ELM	L589847
Xylene (Total)	<0.0009	mg/Kg - dry	0.0009	0.0025	1	12/13/21 16:09		L589847
Surrogate: 4-Bromofluorobenzene	105		Limits: 60-140%		1	12/13/21 16:09	ELM	L589847
Surrogate: 1,2-Dichloroethane - d4	86.0		Limits: 60-140%		1	12/13/21 16:09	ELM	L589847
Surrogate: Toluene-d8	86.9		Limits: 60-140%		1	12/13/21 16:09	ELM	L589847

Analytical Method: 8270D SIM **Prep Batch(es):** **L589383** 12/10/21 11:13
Prep Method: 3550B

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Batch
Acenaphthene	<0.000378	mg/Kg - dry	0.000378	0.000844	1	12/13/21 23:40	VBW	L589638
Acenaphthylene	<0.000340	mg/Kg - dry	0.000340	0.000844	1	12/13/21 23:40	VBW	L589638
Anthracene	<0.000416	mg/Kg - dry	0.000416	0.000844	1	12/13/21 23:40	VBW	L589638
Benzo(a)anthracene	<0.000517	mg/Kg - dry	0.000517	0.000844	1	12/13/21 23:40	VBW	L589638
Benzo(a)pyrene	<0.000176	mg/Kg - dry	0.000176	0.000844	1	12/13/21 23:40	VBW	L589638
Benzo(b)fluoranthene	<0.000264	mg/Kg - dry	0.000264	0.000844	1	12/13/21 23:40	VBW	L589638
Benzo(g,h,i)perylene	**0.000877**	mg/Kg - dry	0.000517	0.000844	1	12/13/21 23:40	VBW	L589638

Qualifiers/ Definitions
* Outside QC Limit
J Estimated value
DF Dilution Factor
MQL Method Quantitation Limit

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Project Legends Park
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Report Date : 12/14/2021
Received : 12/09/2021

Rebekah Ross
Project Manager

Report Number : **21-343-0097**

REPORT OF ANALYSIS

Lab No : **95550**
Sample ID : **LEGSBO124-28**

Matrix: **Solids**
Sampled: **12/8/2021 11:05**

Analytical Method: 8270D SIM **Prep Batch(es):** **L589383** 12/10/21 11:13
Prep Method: 3550B

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Batch
Benzo(k)fluoranthene	<0.000163	mg/Kg - dry	0.000163	0.000844	1	12/13/21 23:40	VBW	L589638
Chrysene	<0.000340	mg/Kg - dry	0.000340	0.000844	1	12/13/21 23:40	VBW	L589638
Dibenz(a,h)anthracene	<0.000453	mg/Kg - dry	0.000453	0.000844	1	12/13/21 23:40	VBW	L589638
Fluoranthene	<0.000491	mg/Kg - dry	0.000491	0.000844	1	12/13/21 23:40	VBW	L589638
Fluorene	<0.000365	mg/Kg - dry	0.000365	0.000844	1	12/13/21 23:40	VBW	L589638
Indeno(1,2,3-cd)pyrene	<0.000365	mg/Kg - dry	0.000365	0.000844	1	12/13/21 23:40	VBW	L589638
2-Methylnaphthalene	<0.000491	mg/Kg - dry	0.000491	0.000844	1	12/13/21 23:40	VBW	L589638
Naphthalene	<0.000588	mg/Kg - dry	0.000588	0.000844	1	12/13/21 23:40	VBW	L589638
Phenanthrene	<0.000529	mg/Kg - dry	0.000529	0.000844	1	12/13/21 23:40	VBW	L589638
Pyrene	<0.000744	mg/Kg - dry	0.000744	0.000844	1	12/13/21 23:40	VBW	L589638
Surrogate: 2-Fluorobiphenyl		61.9		Limits: 33-115%	1	12/13/21 23:40	VBW	L589638
Surrogate: Nitrobenzene-d5		42.0		Limits: 29-110%	1	12/13/21 23:40	VBW	L589638
Surrogate: 4-Terphenyl-d14		69.2		Limits: 33-122%	1	12/13/21 23:40	VBW	L589638

Analytical Method: TN EPH **Prep Batch(es):** **L589313** 12/10/21 09:46
Prep Method: 3550B

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Batch
Diesel Range Organics (C10-C28)	<3.78	mg/Kg - dry	3.78	4.16	1	12/13/21 15:31	MMK	L589528
Oil Range Organics (>C28-C40)	<3.78	mg/Kg - dry	3.78	4.16	1	12/13/21 15:31	MMK	L589528
TN EPH (C10-C40)	<3.78	mg/Kg - dry	3.78	4.16	1	12/13/21 15:31		L589528
Surrogate: OTP Surrogate		**44.1 ***		Limits: 50-150%	1	12/10/21 22:32	MMK	L589528

Qualifiers/ Definitions				
	*	Outside QC Limit	DF	Dilution Factor
	J	Estimated value	MQL	Method Quantitation Limit

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Project Legends Park
Information : Project No. 0888830988

Report Date : 12/14/2021
Received : 12/09/2021

Report Number : **21-343-0097**

REPORT OF ANALYSIS

Rebekah Ross
Project Manager

Lab No : **95551**
Sample ID : **LEGSBO204-08**

Matrix: **Solids**
Sampled: **12/8/2021 13:40**

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Method
Moisture	**15.1**	%			1	12/10/21 13:21	FMM	SW-DRYWT

Qualifiers/ Definitions

*	Outside QC Limit	DF	Dilution Factor
J	Estimated value	L	Limit Exceeded
MQL	Method Quantitation Limit		

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Rebekah Ross
Project Manager

Report Number : **21-343-0097**

REPORT OF ANALYSIS

Lab No : **95551**
Sample ID : **LEGSBO204-08**

Matrix: **Solids**
Sampled: **12/8/2021 13:40**

Analytical Method: 8260B **Prep Batch(es):** **L589843** 12/13/21 08:17
Prep Method: 5035

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Batch
Acetone	**0.0224 J**	mg/Kg - dry	0.0051	0.0471	1	12/13/21 11:45	ELM	L589847
Acetonitrile	<0.0614	mg/Kg - dry	0.0614	0.236	1	12/13/21 11:45	ELM	L589847
Acrolein	<0.0097	mg/Kg - dry	0.0097	0.0471	1	12/13/21 11:45	ELM	L589847
Acrylonitrile	<0.0044	mg/Kg - dry	0.0044	0.0471	1	12/13/21 11:45	ELM	L589847
Benzene	**0.0009 J**	mg/Kg - dry	0.0004	0.0023	1	12/13/21 11:45	ELM	L589847
Bromobenzene	<0.0008	mg/Kg - dry	0.0008	0.0023	1	12/13/21 11:45	ELM	L589847
Bromochloromethane	<0.0005	mg/Kg - dry	0.0005	0.0023	1	12/13/21 11:45	ELM	L589847
Bromodichloromethane	<0.0009	mg/Kg - dry	0.0009	0.0023	1	12/13/21 11:45	ELM	L589847
Bromoform	<0.0015	mg/Kg - dry	0.0015	0.0023	1	12/13/21 11:45	ELM	L589847
Bromomethane	<0.0018	mg/Kg - dry	0.0018	0.0023	1	12/13/21 11:45	ELM	L589847
Methyl Ethyl Ketone (MEK)	<0.0044	mg/Kg - dry	0.0044	0.0471	1	12/13/21 11:45	ELM	L589847
n-Butylbenzene	<0.0011	mg/Kg - dry	0.0011	0.0023	1	12/13/21 11:45	ELM	L589847
sec-Butyl benzene	<0.0011	mg/Kg - dry	0.0011	0.0023	1	12/13/21 11:45	ELM	L589847
tert-Butyl benzene	<0.0008	mg/Kg - dry	0.0008	0.0023	1	12/13/21 11:45	ELM	L589847
Carbon Disulfide	<0.0033	mg/Kg - dry	0.0033	0.0117	1	12/13/21 11:45	ELM	L589847
Carbon Tetrachloride	<0.0004	mg/Kg - dry	0.0004	0.0023	1	12/13/21 11:45	ELM	L589847
Chlorobenzene	<0.0009	mg/Kg - dry	0.0009	0.0023	1	12/13/21 11:45	ELM	L589847
Chlorodibromomethane	<0.0012	mg/Kg - dry	0.0012	0.0023	1	12/13/21 11:45	ELM	L589847
Chloroethane	<0.0009	mg/Kg - dry	0.0009	0.0023	1	12/13/21 11:45	ELM	L589847
Chloroform	<0.0006	mg/Kg - dry	0.0006	0.0023	1	12/13/21 11:45	ELM	L589847
Chloromethane	<0.0008	mg/Kg - dry	0.0008	0.0023	1	12/13/21 11:45	ELM	L589847
2-Chlorotoluene	<0.0011	mg/Kg - dry	0.0011	0.0023	1	12/13/21 11:45	ELM	L589847

Qualifiers/ Definitions

*	Outside QC Limit	DF	Dilution Factor
J	Estimated value	MQL	Method Quantitation Limit

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Project Legends Park
Information : Project No. 0888830988

Report Date : 12/14/2021
Received : 12/09/2021

Rebekah Ross
Project Manager

Report Number : **21-343-0097**

REPORT OF ANALYSIS

Lab No : **95551**
Sample ID : **LEGSBO204-08**

Matrix: **Solids**
Sampled: **12/8/2021 13:40**

Analytical Method: 8260B **Prep Batch(es):** **L589843** 12/13/21 08:17
Prep Method: 5035

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Batch
4-Chlorotoluene	<0.0012	mg/Kg - dry	0.0012	0.0023	1	12/13/21 11:45	ELM	L589847
1,2-Dibromo-3-Chloropropane	<0.0077	mg/Kg - dry	0.0077	0.0117	1	12/13/21 11:45	ELM	L589847
1,2-Dibromoethane	<0.0010	mg/Kg - dry	0.0010	0.0023	1	12/13/21 11:45	ELM	L589847
Dibromomethane	<0.0008	mg/Kg - dry	0.0008	0.0023	1	12/13/21 11:45	ELM	L589847
1,2-Dichlorobenzene	<0.0016	mg/Kg - dry	0.0016	0.0023	1	12/13/21 11:45	ELM	L589847
1,3-Dichlorobenzene	<0.0015	mg/Kg - dry	0.0015	0.0023	1	12/13/21 11:45	ELM	L589847
1,4-Dichlorobenzene	<0.0017	mg/Kg - dry	0.0017	0.0023	1	12/13/21 11:45	ELM	L589847
Dichlorodifluoromethane	<0.0022	mg/Kg - dry	0.0022	0.0023	1	12/13/21 11:45	ELM	L589847
1,1-Dichloroethane	<0.0004	mg/Kg - dry	0.0004	0.0023	1	12/13/21 11:45	ELM	L589847
1,2-Dichloroethane	<0.0005	mg/Kg - dry	0.0005	0.0023	1	12/13/21 11:45	ELM	L589847
1,1-Dichloroethene	<0.0006	mg/Kg - dry	0.0006	0.0023	1	12/13/21 11:45	ELM	L589847
cis-1,2-Dichloroethene	<0.0006	mg/Kg - dry	0.0006	0.0023	1	12/13/21 11:45	ELM	L589847
trans-1,2-Dichloroethene	<0.0003	mg/Kg - dry	0.0003	0.0023	1	12/13/21 11:45	ELM	L589847
1,2-Dichloroethene (Total)	<0.0003	mg/Kg - dry	0.0003	0.0023	1	12/13/21 11:45		L589847
1,2-Dichloropropane	<0.0007	mg/Kg - dry	0.0007	0.0023	1	12/13/21 11:45	ELM	L589847
1,3-Dichloropropane	<0.0010	mg/Kg - dry	0.0010	0.0023	1	12/13/21 11:45	ELM	L589847
2,2-Dichloropropane	<0.0006	mg/Kg - dry	0.0006	0.0023	1	12/13/21 11:45	ELM	L589847
1,1-Dichloropropene	<0.0004	mg/Kg - dry	0.0004	0.0023	1	12/13/21 11:45	ELM	L589847
cis-1,3-Dichloropropene	<0.0009	mg/Kg - dry	0.0009	0.0023	1	12/13/21 11:45	ELM	L589847
trans-1,3-Dichloropropene	<0.0008	mg/Kg - dry	0.0008	0.0023	1	12/13/21 11:45	ELM	L589847
Ethyl Acetate	<0.0071	mg/Kg - dry	0.0071	0.0471	1	12/13/21 11:45	ELM	L589847
Ethylbenzene	**0.0010 J**	mg/Kg - dry	0.0007	0.0023	1	12/13/21 11:45	ELM	L589847

Qualifiers/ Definitions

*	Outside QC Limit	DF	Dilution Factor
J	Estimated value	MQL	Method Quantitation Limit

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Report Date : 12/14/2021
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Rebekah Ross
Project Manager

Report Number : **21-343-0097**

REPORT OF ANALYSIS

Lab No : **95551**
Sample ID : **LEGSBO204-08**

Matrix: **Solids**
Sampled: **12/8/2021 13:40**

Analytical Method: 8260B **Prep Batch(es):** **L589843** 12/13/21 08:17
Prep Method: 5035

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Batch
Hexachlorobutadiene	<0.0010	mg/Kg - dry	0.0010	0.0023	1	12/13/21 11:45	ELM	L589847
2-Hexanone	<0.0070	mg/Kg - dry	0.0070	0.0117	1	12/13/21 11:45	ELM	L589847
Iodomethane	<0.0053	mg/Kg - dry	0.0053	0.0117	1	12/13/21 11:45	ELM	L589847
Isopropylbenzene	<0.0008	mg/Kg - dry	0.0008	0.0023	1	12/13/21 11:45	ELM	L589847
4-Isopropyl toluene	<0.0011	mg/Kg - dry	0.0011	0.0023	1	12/13/21 11:45	ELM	L589847
4-Methyl-2-Pentanone	<0.0068	mg/Kg - dry	0.0068	0.0117	1	12/13/21 11:45	ELM	L589847
Methylene Chloride	<0.0032	mg/Kg - dry	0.0032	0.0117	1	12/13/21 11:45	ELM	L589847
Methyl tert-butyl ether (MTBE)	<0.0007	mg/Kg - dry	0.0007	0.0023	1	12/13/21 11:45	ELM	L589847
m,p-Xylene	<0.0016	mg/Kg - dry	0.0016	0.0047	1	12/13/21 11:45	ELM	L589847
Naphthalene	<0.0074	mg/Kg - dry	0.0074	0.0117	1	12/13/21 11:45	ELM	L589847
o-Xylene	<0.0009	mg/Kg - dry	0.0009	0.0023	1	12/13/21 11:45	ELM	L589847
n-Propyl acetate	<0.0079	mg/Kg - dry	0.0079	0.0117	1	12/13/21 11:45	ELM	L589847
n-Propylbenzene	<0.0007	mg/Kg - dry	0.0007	0.0023	1	12/13/21 11:45	ELM	L589847
Styrene	<0.0013	mg/Kg - dry	0.0013	0.0023	1	12/13/21 11:45	ELM	L589847
1,1,1,2-Tetrachloroethane	<0.0010	mg/Kg - dry	0.0010	0.0023	1	12/13/21 11:45	ELM	L589847
1,1,2,2-Tetrachloroethane	<0.0022	mg/Kg - dry	0.0022	0.0023	1	12/13/21 11:45	ELM	L589847
Tetrachloroethene	<0.0009	mg/Kg - dry	0.0009	0.0023	1	12/13/21 11:45	ELM	L589847
Toluene	<0.0038	mg/Kg - dry	0.0038	0.0047	1	12/13/21 11:45	ELM	L589847
1,2,3-Trichlorobenzene	<0.0023	mg/Kg - dry	0.0023	0.0023	1	12/13/21 11:45	ELM	L589847
1,2,4-Trichlorobenzene	<0.0013	mg/Kg - dry	0.0013	0.0023	1	12/13/21 11:45	ELM	L589847
1,1,1-Trichloroethane	<0.0004	mg/Kg - dry	0.0004	0.0023	1	12/13/21 11:45	ELM	L589847
1,1,2-Trichloroethane	<0.0012	mg/Kg - dry	0.0012	0.0023	1	12/13/21 11:45	ELM	L589847

Qualifiers/ Definitions

*	Outside QC Limit	DF	Dilution Factor
J	Estimated value	MQL	Method Quantitation Limit

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5724 Summer Tree Drive
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Project Legends Park
Information : Project No. 0888830988

Report Date : 12/14/2021
Received : 12/09/2021

Rebekah Ross
Project Manager

Report Number : **21-343-0097**

REPORT OF ANALYSIS

Lab No : **95551**
Sample ID : **LEGSBO204-08**

Matrix: **Solids**
Sampled: **12/8/2021 13:40**

Analytical Method: 8260B **Prep Batch(es):** **L589843** 12/13/21 08:17
Prep Method: 5035

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Batch
Trichloroethene	<0.0010	mg/Kg - dry	0.0010	0.0023	1	12/13/21 11:45	ELM	L589847
Trichlorofluoromethane	<0.0010	mg/Kg - dry	0.0010	0.0023	1	12/13/21 11:45	ELM	L589847
1,2,3-Trichloropropane	<0.0017	mg/Kg - dry	0.0017	0.0023	1	12/13/21 11:45	ELM	L589847
1,2,4-Trimethylbenzene	**0.0010 J**	mg/Kg - dry	0.0009	0.0023	1	12/13/21 11:45	ELM	L589847
1,3,5-Trimethylbenzene	<0.0010	mg/Kg - dry	0.0010	0.0023	1	12/13/21 11:45	ELM	L589847
Vinyl Acetate	<0.0047	mg/Kg - dry	0.0047	0.0471	1	12/13/21 11:45	ELM	L589847
Vinyl Chloride	<0.0008	mg/Kg - dry	0.0008	0.0023	1	12/13/21 11:45	ELM	L589847
Xylene (Total)	<0.0009	mg/Kg - dry	0.0009	0.0023	1	12/13/21 11:45		L589847
Surrogate: 4-Bromofluorobenzene	81.5		Limits: 60-140%		1	12/13/21 11:45	ELM	L589847
Surrogate: 1,2-Dichloroethane - d4	63.8		Limits: 60-140%		1	12/13/21 11:45	ELM	L589847
Surrogate: Toluene-d8	70.5		Limits: 60-140%		1	12/13/21 11:45	ELM	L589847

Analytical Method: 8270D SIM **Prep Batch(es):** **L589383** 12/10/21 11:13
Prep Method: 3550B

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Batch
Acenaphthene	**0.00364**	mg/Kg - dry	0.000353	0.000789	1	12/13/21 23:56	VBW	L589638
Acenaphthylene	**0.00570**	mg/Kg - dry	0.000318	0.000789	1	12/13/21 23:56	VBW	L589638
Anthracene	**0.0138**	mg/Kg - dry	0.000388	0.000789	1	12/13/21 23:56	VBW	L589638
Benzo(a)anthracene	**0.0971**	mg/Kg - dry	0.000482	0.000789	1	12/13/21 23:56	VBW	L589638
Benzo(a)pyrene	**0.126**	mg/Kg - dry	0.000164	0.000789	1	12/13/21 23:56	VBW	L589638
Benzo(b)fluoranthene	**0.121**	mg/Kg - dry	0.000247	0.000789	1	12/13/21 23:56	VBW	L589638
Benzo(g,h,i)perylene	**0.0717**	mg/Kg - dry	0.000482	0.000789	1	12/13/21 23:56	VBW	L589638

Qualifiers/ Definitions
* Outside QC Limit
J Estimated value
DF Dilution Factor
MQL Method Quantitation Limit

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Project Legends Park
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Report Date : 12/14/2021
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Rebekah Ross
Project Manager

Report Number : **21-343-0097**

REPORT OF ANALYSIS

Lab No : **95551**
Sample ID : **LEGSBO204-08**

Matrix: **Solids**
Sampled: **12/8/2021 13:40**

Analytical Method: 8270D SIM **Prep Batch(es):** **L589383** 12/10/21 11:13
Prep Method: 3550B

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Batch
Benzo(k)fluoranthene	**0.0408**	mg/Kg - dry	0.000153	0.000789	1	12/13/21 23:56	VBW	L589638
Chrysene	**0.109**	mg/Kg - dry	0.000318	0.000789	1	12/13/21 23:56	VBW	L589638
Dibenz(a,h)anthracene	**0.0190**	mg/Kg - dry	0.000424	0.000789	1	12/13/21 23:56	VBW	L589638
Fluoranthene	**0.196**	mg/Kg - dry	0.000459	0.000789	1	12/13/21 23:56	VBW	L589638
Fluorene	**0.00380**	mg/Kg - dry	0.000341	0.000789	1	12/13/21 23:56	VBW	L589638
Indeno(1,2,3-cd)pyrene	**0.0669**	mg/Kg - dry	0.000341	0.000789	1	12/13/21 23:56	VBW	L589638
2-Methylnaphthalene	**0.000876**	mg/Kg - dry	0.000459	0.000789	1	12/13/21 23:56	VBW	L589638
Naphthalene	**0.00116**	mg/Kg - dry	0.000550	0.000789	1	12/13/21 23:56	VBW	L589638
Phenanthrene	**0.0693**	mg/Kg - dry	0.000494	0.000789	1	12/13/21 23:56	VBW	L589638
Pyrene	**0.171**	mg/Kg - dry	0.000694	0.000789	1	12/13/21 23:56	VBW	L589638
Surrogate: 2-Fluorobiphenyl	53.6	Limits: 33-115%			1	12/13/21 23:56	VBW	L589638
Surrogate: Nitrobenzene-d5	35.2	Limits: 29-110%			1	12/13/21 23:56	VBW	L589638
Surrogate: 4-Terphenyl-d14	60.9	Limits: 33-122%			1	12/13/21 23:56	VBW	L589638

Analytical Method: TN EPH **Prep Batch(es):** **L589313** 12/10/21 09:46
Prep Method: 3550B

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Batch
Diesel Range Organics (C10-C28)	**3.78 J**	mg/Kg - dry	3.53	3.89	1	12/13/21 13:57	MMK	L589528
Oil Range Organics (>C28-C40)	**7.39**	mg/Kg - dry	3.53	3.89	1	12/13/21 13:57	MMK	L589528
TN EPH (C10-C40)	**11.2 J**	mg/Kg - dry	3.53	3.89	1	12/13/21 13:57		L589528
Surrogate: OTP Surrogate	**43.9 ***	Limits: 50-150%			1	12/10/21 22:50	MMK	L589528

Qualifiers/ Definitions

*	Outside QC Limit	DF	Dilution Factor
J	Estimated value	MQL	Method Quantitation Limit

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Rebekah Ross
Project Manager

Report Number : **21-343-0097**

REPORT OF ANALYSIS

Lab No : **95552**
Sample ID : **LEGSBO228-32**

Matrix: **Solids**
Sampled: **12/8/2021 13:50**

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Method
Moisture	**20.1**	%			1	12/10/21 13:21	FMM	SW-DRYWT

Qualifiers/ Definitions

*	Outside QC Limit	DF	Dilution Factor
J	Estimated value	L	Limit Exceeded
MQL	Method Quantitation Limit		

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Rebekah Ross
Project Manager

Report Number : **21-343-0097**

REPORT OF ANALYSIS

Lab No : **95552**
Sample ID : **LEGSBO228-32**

Matrix: **Solids**
Sampled: **12/8/2021 13:50**

Analytical Method: 8260B **Prep Batch(es):** **L589843** 12/13/21 08:17
Prep Method: 5035

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Batch
Acetone	<0.0054	mg/Kg - dry	0.0054	0.0500	1	12/13/21 12:18	ELM	L589847
Acetonitrile	<0.0653	mg/Kg - dry	0.0653	0.250	1	12/13/21 12:18	ELM	L589847
Acrolein	<0.0103	mg/Kg - dry	0.0103	0.0500	1	12/13/21 12:18	ELM	L589847
Acrylonitrile	<0.0047	mg/Kg - dry	0.0047	0.0500	1	12/13/21 12:18	ELM	L589847
Benzene	<0.0004	mg/Kg - dry	0.0004	0.0025	1	12/13/21 12:18	ELM	L589847
Bromobenzene	<0.0009	mg/Kg - dry	0.0009	0.0025	1	12/13/21 12:18	ELM	L589847
Bromochloromethane	<0.0005	mg/Kg - dry	0.0005	0.0025	1	12/13/21 12:18	ELM	L589847
Bromodichloromethane	<0.0009	mg/Kg - dry	0.0009	0.0025	1	12/13/21 12:18	ELM	L589847
Bromoform	<0.0016	mg/Kg - dry	0.0016	0.0025	1	12/13/21 12:18	ELM	L589847
Bromomethane	<0.0020	mg/Kg - dry	0.0020	0.0025	1	12/13/21 12:18	ELM	L589847
Methyl Ethyl Ketone (MEK)	<0.0047	mg/Kg - dry	0.0047	0.0500	1	12/13/21 12:18	ELM	L589847
n-Butylbenzene	<0.0011	mg/Kg - dry	0.0011	0.0025	1	12/13/21 12:18	ELM	L589847
sec-Butyl benzene	<0.0011	mg/Kg - dry	0.0011	0.0025	1	12/13/21 12:18	ELM	L589847
tert-Butyl benzene	<0.0009	mg/Kg - dry	0.0009	0.0025	1	12/13/21 12:18	ELM	L589847
Carbon Disulfide	<0.0035	mg/Kg - dry	0.0035	0.0125	1	12/13/21 12:18	ELM	L589847
Carbon Tetrachloride	<0.0005	mg/Kg - dry	0.0005	0.0025	1	12/13/21 12:18	ELM	L589847
Chlorobenzene	<0.0009	mg/Kg - dry	0.0009	0.0025	1	12/13/21 12:18	ELM	L589847
Chlorodibromomethane	<0.0013	mg/Kg - dry	0.0013	0.0025	1	12/13/21 12:18	ELM	L589847
Chloroethane	<0.0010	mg/Kg - dry	0.0010	0.0025	1	12/13/21 12:18	ELM	L589847
Chloroform	<0.0006	mg/Kg - dry	0.0006	0.0025	1	12/13/21 12:18	ELM	L589847
Chloromethane	<0.0009	mg/Kg - dry	0.0009	0.0025	1	12/13/21 12:18	ELM	L589847
2-Chlorotoluene	<0.0012	mg/Kg - dry	0.0012	0.0025	1	12/13/21 12:18	ELM	L589847

Qualifiers/ Definitions

*	Outside QC Limit	DF	Dilution Factor
J	Estimated value	MQL	Method Quantitation Limit

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Project Legends Park
Information : Project No. 0888830988

Report Date : 12/14/2021
Received : 12/09/2021

Rebekah Ross
Project Manager

Report Number : **21-343-0097**

REPORT OF ANALYSIS

Lab No : **95552**
Sample ID : **LEGSBO228-32**

Matrix: **Solids**
Sampled: **12/8/2021 13:50**

Analytical Method: 8260B **Prep Batch(es):** **L589843** 12/13/21 08:17
Prep Method: 5035

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Batch
4-Chlorotoluene	<0.0013	mg/Kg - dry	0.0013	0.0025	1	12/13/21 12:18	ELM	L589847
1,2-Dibromo-3-Chloropropane	<0.0082	mg/Kg - dry	0.0082	0.0125	1	12/13/21 12:18	ELM	L589847
1,2-Dibromoethane	<0.0011	mg/Kg - dry	0.0011	0.0025	1	12/13/21 12:18	ELM	L589847
Dibromomethane	<0.0008	mg/Kg - dry	0.0008	0.0025	1	12/13/21 12:18	ELM	L589847
1,2-Dichlorobenzene	<0.0017	mg/Kg - dry	0.0017	0.0025	1	12/13/21 12:18	ELM	L589847
1,3-Dichlorobenzene	<0.0016	mg/Kg - dry	0.0016	0.0025	1	12/13/21 12:18	ELM	L589847
1,4-Dichlorobenzene	<0.0018	mg/Kg - dry	0.0018	0.0025	1	12/13/21 12:18	ELM	L589847
Dichlorodifluoromethane	<0.0023	mg/Kg - dry	0.0023	0.0025	1	12/13/21 12:18	ELM	L589847
1,1-Dichloroethane	<0.0004	mg/Kg - dry	0.0004	0.0025	1	12/13/21 12:18	ELM	L589847
1,2-Dichloroethane	<0.0005	mg/Kg - dry	0.0005	0.0025	1	12/13/21 12:18	ELM	L589847
1,1-Dichloroethene	<0.0007	mg/Kg - dry	0.0007	0.0025	1	12/13/21 12:18	ELM	L589847
cis-1,2-Dichloroethene	<0.0006	mg/Kg - dry	0.0006	0.0025	1	12/13/21 12:18	ELM	L589847
trans-1,2-Dichloroethene	<0.0003	mg/Kg - dry	0.0003	0.0025	1	12/13/21 12:18	ELM	L589847
1,2-Dichloroethene (Total)	<0.0003	mg/Kg - dry	0.0003	0.0025	1	12/13/21 12:18		L589847
1,2-Dichloropropane	<0.0008	mg/Kg - dry	0.0008	0.0025	1	12/13/21 12:18	ELM	L589847
1,3-Dichloropropane	<0.0011	mg/Kg - dry	0.0011	0.0025	1	12/13/21 12:18	ELM	L589847
2,2-Dichloropropane	<0.0007	mg/Kg - dry	0.0007	0.0025	1	12/13/21 12:18	ELM	L589847
1,1-Dichloropropene	<0.0004	mg/Kg - dry	0.0004	0.0025	1	12/13/21 12:18	ELM	L589847
cis-1,3-Dichloropropene	<0.0009	mg/Kg - dry	0.0009	0.0025	1	12/13/21 12:18	ELM	L589847
trans-1,3-Dichloropropene	<0.0009	mg/Kg - dry	0.0009	0.0025	1	12/13/21 12:18	ELM	L589847
Ethyl Acetate	<0.0075	mg/Kg - dry	0.0075	0.0500	1	12/13/21 12:18	ELM	L589847
Ethylbenzene	<0.0008	mg/Kg - dry	0.0008	0.0025	1	12/13/21 12:18	ELM	L589847

Qualifiers/ Definitions

*	Outside QC Limit	DF	Dilution Factor
J	Estimated value	MQL	Method Quantitation Limit

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Project Legends Park
Information : Project No. 0888830988

Report Date : 12/14/2021
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Rebekah Ross
Project Manager

Report Number : **21-343-0097**

REPORT OF ANALYSIS

Lab No : **95552**
Sample ID : **LEGSBO228-32**

Matrix: **Solids**
Sampled: **12/8/2021 13:50**

Analytical Method: 8260B **Prep Batch(es):** **L589843** 12/13/21 08:17
Prep Method: 5035

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Batch
Hexachlorobutadiene	<0.0011	mg/Kg - dry	0.0011	0.0025	1	12/13/21 12:18	ELM	L589847
2-Hexanone	<0.0075	mg/Kg - dry	0.0075	0.0125	1	12/13/21 12:18	ELM	L589847
Iodomethane	<0.0056	mg/Kg - dry	0.0056	0.0125	1	12/13/21 12:18	ELM	L589847
Isopropylbenzene	<0.0009	mg/Kg - dry	0.0009	0.0025	1	12/13/21 12:18	ELM	L589847
4-Isopropyl toluene	<0.0012	mg/Kg - dry	0.0012	0.0025	1	12/13/21 12:18	ELM	L589847
4-Methyl-2-Pentanone	<0.0073	mg/Kg - dry	0.0073	0.0125	1	12/13/21 12:18	ELM	L589847
Methylene Chloride	<0.0034	mg/Kg - dry	0.0034	0.0125	1	12/13/21 12:18	ELM	L589847
Methyl tert-butyl ether (MTBE)	<0.0007	mg/Kg - dry	0.0007	0.0025	1	12/13/21 12:18	ELM	L589847
m,p-Xylene	<0.0018	mg/Kg - dry	0.0018	0.0050	1	12/13/21 12:18	ELM	L589847
Naphthalene	<0.0079	mg/Kg - dry	0.0079	0.0125	1	12/13/21 12:18	ELM	L589847
o-Xylene	<0.0009	mg/Kg - dry	0.0009	0.0025	1	12/13/21 12:18	ELM	L589847
n-Propyl acetate	<0.0084	mg/Kg - dry	0.0084	0.0125	1	12/13/21 12:18	ELM	L589847
n-Propylbenzene	<0.0007	mg/Kg - dry	0.0007	0.0025	1	12/13/21 12:18	ELM	L589847
Styrene	<0.0014	mg/Kg - dry	0.0014	0.0025	1	12/13/21 12:18	ELM	L589847
1,1,1,2-Tetrachloroethane	<0.0011	mg/Kg - dry	0.0011	0.0025	1	12/13/21 12:18	ELM	L589847
1,1,2,2-Tetrachloroethane	<0.0023	mg/Kg - dry	0.0023	0.0025	1	12/13/21 12:18	ELM	L589847
Tetrachloroethene	<0.0009	mg/Kg - dry	0.0009	0.0025	1	12/13/21 12:18	ELM	L589847
Toluene	<0.0040	mg/Kg - dry	0.0040	0.0050	1	12/13/21 12:18	ELM	L589847
1,2,3-Trichlorobenzene	<0.0025	mg/Kg - dry	0.0025	0.0025	1	12/13/21 12:18	ELM	L589847
1,2,4-Trichlorobenzene	<0.0014	mg/Kg - dry	0.0014	0.0025	1	12/13/21 12:18	ELM	L589847
1,1,1-Trichloroethane	<0.0004	mg/Kg - dry	0.0004	0.0025	1	12/13/21 12:18	ELM	L589847
1,1,2-Trichloroethane	<0.0012	mg/Kg - dry	0.0012	0.0025	1	12/13/21 12:18	ELM	L589847

Qualifiers/ Definitions

*	Outside QC Limit	DF	Dilution Factor
J	Estimated value	MQL	Method Quantitation Limit

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Received : 12/09/2021

Report Number : **21-343-0097**

REPORT OF ANALYSIS

Rebekah Ross
Project Manager

Lab No : **95552**
Sample ID : **LEGSBO228-32**

Matrix: **Solids**
Sampled: **12/8/2021 13:50**

Analytical Method: 8260B **Prep Batch(es):** **L589843** 12/13/21 08:17
Prep Method: 5035

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Batch
Trichloroethene	<0.0011	mg/Kg - dry	0.0011	0.0025	1	12/13/21 12:18	ELM	L589847
Trichlorofluoromethane	<0.0011	mg/Kg - dry	0.0011	0.0025	1	12/13/21 12:18	ELM	L589847
1,2,3-Trichloropropane	<0.0019	mg/Kg - dry	0.0019	0.0025	1	12/13/21 12:18	ELM	L589847
1,2,4-Trimethylbenzene	<0.0010	mg/Kg - dry	0.0010	0.0025	1	12/13/21 12:18	ELM	L589847
1,3,5-Trimethylbenzene	<0.0011	mg/Kg - dry	0.0011	0.0025	1	12/13/21 12:18	ELM	L589847
Vinyl Acetate	<0.0050	mg/Kg - dry	0.0050	0.0500	1	12/13/21 12:18	ELM	L589847
Vinyl Chloride	<0.0009	mg/Kg - dry	0.0009	0.0025	1	12/13/21 12:18	ELM	L589847
Xylene (Total)	<0.0009	mg/Kg - dry	0.0009	0.0025	1	12/13/21 12:18		L589847
Surrogate: 4-Bromofluorobenzene	85.0		Limits: 60-140%		1	12/13/21 12:18	ELM	L589847
Surrogate: 1,2-Dichloroethane - d4	63.6		Limits: 60-140%		1	12/13/21 12:18	ELM	L589847
Surrogate: Toluene-d8	65.5		Limits: 60-140%		1	12/13/21 12:18	ELM	L589847

Analytical Method: 8270D SIM **Prep Batch(es):** **L589383** 12/10/21 11:13
Prep Method: 3550B

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Batch
Acenaphthene	<0.000375	mg/Kg - dry	0.000375	0.000838	1	12/14/21 00:12	VBW	L589638
Acenaphthylene	<0.000337	mg/Kg - dry	0.000337	0.000838	1	12/14/21 00:12	VBW	L589638
Anthracene	<0.000413	mg/Kg - dry	0.000413	0.000838	1	12/14/21 00:12	VBW	L589638
Benzo(a)anthracene	<0.000513	mg/Kg - dry	0.000513	0.000838	1	12/14/21 00:12	VBW	L589638
Benzo(a)pyrene	**0.000478 J**	mg/Kg - dry	0.000175	0.000838	1	12/14/21 00:12	VBW	L589638
Benzo(b)fluoranthene	**0.000375 J**	mg/Kg - dry	0.000262	0.000838	1	12/14/21 00:12	VBW	L589638
Benzo(g,h,i)perylene	**0.00128**	mg/Kg - dry	0.000513	0.000838	1	12/14/21 00:12	VBW	L589638

Qualifiers/ Definitions
* Outside QC Limit
J Estimated value
DF Dilution Factor
MQL Method Quantitation Limit

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Allison Harris
5724 Summer Tree Drive
Memphis , TN 38134

Project Legends Park
Information : Project No. 0888830988

Report Date : 12/14/2021
Received : 12/09/2021

Rebekah Ross
Project Manager

Report Number : **21-343-0097**

REPORT OF ANALYSIS

Lab No : **95552**
Sample ID : **LEGSBO228-32**

Matrix: **Solids**
Sampled: **12/8/2021 13:50**

Analytical Method: 8270D SIM **Prep Batch(es):** **L589383** 12/10/21 11:13
Prep Method: 3550B

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Batch
Benzo(k)fluoranthene	<0.000162	mg/Kg - dry	0.000162	0.000838	1	12/14/21 00:12	VBW	L589638
Chrysene	<0.000337	mg/Kg - dry	0.000337	0.000838	1	12/14/21 00:12	VBW	L589638
Dibenz(a,h)anthracene	<0.000450	mg/Kg - dry	0.000450	0.000838	1	12/14/21 00:12	VBW	L589638
Fluoranthene	<0.000488	mg/Kg - dry	0.000488	0.000838	1	12/14/21 00:12	VBW	L589638
Fluorene	<0.000362	mg/Kg - dry	0.000362	0.000838	1	12/14/21 00:12	VBW	L589638
Indeno(1,2,3-cd)pyrene	**0.000883**	mg/Kg - dry	0.000362	0.000838	1	12/14/21 00:12	VBW	L589638
2-Methylnaphthalene	<0.000488	mg/Kg - dry	0.000488	0.000838	1	12/14/21 00:12	VBW	L589638
Naphthalene	<0.000584	mg/Kg - dry	0.000584	0.000838	1	12/14/21 00:12	VBW	L589638
Phenanthrene	<0.000525	mg/Kg - dry	0.000525	0.000838	1	12/14/21 00:12	VBW	L589638
Pyrene	<0.000738	mg/Kg - dry	0.000738	0.000838	1	12/14/21 00:12	VBW	L589638
Surrogate: 2-Fluorobiphenyl	58.7	Limits: 33-115%			1	12/14/21 00:12	VBW	L589638
Surrogate: Nitrobenzene-d5	40.4	Limits: 29-110%			1	12/14/21 00:12	VBW	L589638
Surrogate: 4-Terphenyl-d14	69.6	Limits: 33-122%			1	12/14/21 00:12	VBW	L589638

Analytical Method: TN EPH **Prep Batch(es):** **L589313** 12/10/21 09:46
Prep Method: 3550B

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Batch
Diesel Range Organics (C10-C28)	<3.75	mg/Kg - dry	3.75	4.13	1	12/13/21 14:16	MMK	L589528
Oil Range Organics (>C28-C40)	**4.77**	mg/Kg - dry	3.75	4.13	1	12/13/21 14:16	MMK	L589528
TN EPH (C10-C40)	**4.77**	mg/Kg - dry	3.75	4.13	1	12/13/21 14:16		L589528
Surrogate: OTP Surrogate	**47.1 ***	Limits: 50-150%			1	12/10/21 23:09	MMK	L589528

Qualifiers/ Definitions

*	Outside QC Limit	DF	Dilution Factor
J	Estimated value	MQL	Method Quantitation Limit

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Project Legends Park
Information : Project No. 0888830988

Report Date : 12/14/2021
Received : 12/09/2021

Report Number : **21-343-0097**

REPORT OF ANALYSIS

Rebekah Ross
Project Manager

Lab No : **95553**
Sample ID : **LEGSBo312-16**

Matrix: **Solids**
Sampled: **12/8/2021 15:30**

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Method
Moisture	**23.8**	%			1	12/10/21 13:21	FMM	SW-DRYWT

Qualifiers/ Definitions

*	Outside QC Limit		DF	Dilution Factor
J	Estimated value		L	Limit Exceeded
MQL	Method Quantitation Limit			

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Project Legends Park
Information : Project No. 0888830988

Report Date : 12/14/2021
Received : 12/09/2021

Rebekah Ross
Project Manager

Report Number : **21-343-0097**

REPORT OF ANALYSIS

Lab No : **95553**
Sample ID : **LEGSBo312-16**

Matrix: **Solids**
Sampled: **12/8/2021 15:30**

Analytical Method: 8260B **Prep Batch(es):** **L589843** 12/13/21 08:17
Prep Method: 5035

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Batch
Acetone	**0.0192 J**	mg/Kg - dry	0.0057	0.0524	1	12/13/21 12:51	ELM	L589847
Acetonitrile	<0.0685	mg/Kg - dry	0.0685	0.262	1	12/13/21 12:51	ELM	L589847
Acrolein	<0.0108	mg/Kg - dry	0.0108	0.0524	1	12/13/21 12:51	ELM	L589847
Acrylonitrile	<0.0049	mg/Kg - dry	0.0049	0.0524	1	12/13/21 12:51	ELM	L589847
Benzene	<0.0005	mg/Kg - dry	0.0005	0.0026	1	12/13/21 12:51	ELM	L589847
Bromobenzene	<0.0009	mg/Kg - dry	0.0009	0.0026	1	12/13/21 12:51	ELM	L589847
Bromochloromethane	<0.0005	mg/Kg - dry	0.0005	0.0026	1	12/13/21 12:51	ELM	L589847
Bromodichloromethane	<0.0010	mg/Kg - dry	0.0010	0.0026	1	12/13/21 12:51	ELM	L589847
Bromoform	<0.0017	mg/Kg - dry	0.0017	0.0026	1	12/13/21 12:51	ELM	L589847
Bromomethane	<0.0020	mg/Kg - dry	0.0020	0.0026	1	12/13/21 12:51	ELM	L589847
Methyl Ethyl Ketone (MEK)	<0.0050	mg/Kg - dry	0.0050	0.0524	1	12/13/21 12:51	ELM	L589847
n-Butylbenzene	<0.0012	mg/Kg - dry	0.0012	0.0026	1	12/13/21 12:51	ELM	L589847
sec-Butyl benzene	<0.0012	mg/Kg - dry	0.0012	0.0026	1	12/13/21 12:51	ELM	L589847
tert-Butyl benzene	<0.0009	mg/Kg - dry	0.0009	0.0026	1	12/13/21 12:51	ELM	L589847
Carbon Disulfide	<0.0037	mg/Kg - dry	0.0037	0.0131	1	12/13/21 12:51	ELM	L589847
Carbon Tetrachloride	<0.0005	mg/Kg - dry	0.0005	0.0026	1	12/13/21 12:51	ELM	L589847
Chlorobenzene	<0.0010	mg/Kg - dry	0.0010	0.0026	1	12/13/21 12:51	ELM	L589847
Chlorodibromomethane	<0.0013	mg/Kg - dry	0.0013	0.0026	1	12/13/21 12:51	ELM	L589847
Chloroethane	<0.0011	mg/Kg - dry	0.0011	0.0026	1	12/13/21 12:51	ELM	L589847
Chloroform	<0.0006	mg/Kg - dry	0.0006	0.0026	1	12/13/21 12:51	ELM	L589847
Chloromethane	<0.0009	mg/Kg - dry	0.0009	0.0026	1	12/13/21 12:51	ELM	L589847
2-Chlorotoluene	<0.0012	mg/Kg - dry	0.0012	0.0026	1	12/13/21 12:51	ELM	L589847

Qualifiers/ Definitions

*	Outside QC Limit	DF	Dilution Factor
J	Estimated value	MQL	Method Quantitation Limit

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Project Legends Park
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Rebekah Ross
Project Manager

Report Number : **21-343-0097**

REPORT OF ANALYSIS

Lab No : **95553**
Sample ID : **LEGSBo312-16**

Matrix: **Solids**
Sampled: **12/8/2021 15:30**

Analytical Method: 8260B **Prep Batch(es):** **L589843** 12/13/21 08:17
Prep Method: 5035

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Batch
4-Chlorotoluene	<0.0014	mg/Kg - dry	0.0014	0.0026	1	12/13/21 12:51	ELM	L589847
1,2-Dibromo-3-Chloropropane	<0.0086	mg/Kg - dry	0.0086	0.0131	1	12/13/21 12:51	ELM	L589847
1,2-Dibromoethane	<0.0011	mg/Kg - dry	0.0011	0.0026	1	12/13/21 12:51	ELM	L589847
Dibromomethane	<0.0009	mg/Kg - dry	0.0009	0.0026	1	12/13/21 12:51	ELM	L589847
1,2-Dichlorobenzene	<0.0018	mg/Kg - dry	0.0018	0.0026	1	12/13/21 12:51	ELM	L589847
1,3-Dichlorobenzene	<0.0017	mg/Kg - dry	0.0017	0.0026	1	12/13/21 12:51	ELM	L589847
1,4-Dichlorobenzene	<0.0019	mg/Kg - dry	0.0019	0.0026	1	12/13/21 12:51	ELM	L589847
Dichlorodifluoromethane	<0.0024	mg/Kg - dry	0.0024	0.0026	1	12/13/21 12:51	ELM	L589847
1,1-Dichloroethane	<0.0004	mg/Kg - dry	0.0004	0.0026	1	12/13/21 12:51	ELM	L589847
1,2-Dichloroethane	<0.0005	mg/Kg - dry	0.0005	0.0026	1	12/13/21 12:51	ELM	L589847
1,1-Dichloroethene	<0.0007	mg/Kg - dry	0.0007	0.0026	1	12/13/21 12:51	ELM	L589847
cis-1,2-Dichloroethene	<0.0007	mg/Kg - dry	0.0007	0.0026	1	12/13/21 12:51	ELM	L589847
trans-1,2-Dichloroethene	<0.0003	mg/Kg - dry	0.0003	0.0026	1	12/13/21 12:51	ELM	L589847
1,2-Dichloroethene (Total)	<0.0003	mg/Kg - dry	0.0003	0.0026	1	12/13/21 12:51		L589847
1,2-Dichloropropane	<0.0008	mg/Kg - dry	0.0008	0.0026	1	12/13/21 12:51	ELM	L589847
1,3-Dichloropropane	<0.0011	mg/Kg - dry	0.0011	0.0026	1	12/13/21 12:51	ELM	L589847
2,2-Dichloropropane	<0.0007	mg/Kg - dry	0.0007	0.0026	1	12/13/21 12:51	ELM	L589847
1,1-Dichloropropene	<0.0004	mg/Kg - dry	0.0004	0.0026	1	12/13/21 12:51	ELM	L589847
cis-1,3-Dichloropropene	<0.0010	mg/Kg - dry	0.0010	0.0026	1	12/13/21 12:51	ELM	L589847
trans-1,3-Dichloropropene	<0.0009	mg/Kg - dry	0.0009	0.0026	1	12/13/21 12:51	ELM	L589847
Ethyl Acetate	<0.0079	mg/Kg - dry	0.0079	0.0524	1	12/13/21 12:51	ELM	L589847
Ethylbenzene	<0.0008	mg/Kg - dry	0.0008	0.0026	1	12/13/21 12:51	ELM	L589847

Qualifiers/ Definitions

*	Outside QC Limit	DF	Dilution Factor
J	Estimated value	MQL	Method Quantitation Limit

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Report Date : 12/14/2021
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Rebekah Ross
Project Manager

Report Number : **21-343-0097**

REPORT OF ANALYSIS

Lab No : **95553**
Sample ID : **LEGSBo312-16**

Matrix: **Solids**
Sampled: **12/8/2021 15:30**

Analytical Method: 8260B **Prep Batch(es):** **L589843** 12/13/21 08:17
Prep Method: 5035

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Batch
Hexachlorobutadiene	<0.0012	mg/Kg - dry	0.0012	0.0026	1	12/13/21 12:51	ELM	L589847
2-Hexanone	<0.0079	mg/Kg - dry	0.0079	0.0131	1	12/13/21 12:51	ELM	L589847
Iodomethane	<0.0059	mg/Kg - dry	0.0059	0.0131	1	12/13/21 12:51	ELM	L589847
Isopropylbenzene	<0.0009	mg/Kg - dry	0.0009	0.0026	1	12/13/21 12:51	ELM	L589847
4-Isopropyl toluene	<0.0012	mg/Kg - dry	0.0012	0.0026	1	12/13/21 12:51	ELM	L589847
4-Methyl-2-Pentanone	<0.0076	mg/Kg - dry	0.0076	0.0131	1	12/13/21 12:51	ELM	L589847
Methylene Chloride	<0.0036	mg/Kg - dry	0.0036	0.0131	1	12/13/21 12:51	ELM	L589847
Methyl tert-butyl ether (MTBE)	<0.0008	mg/Kg - dry	0.0008	0.0026	1	12/13/21 12:51	ELM	L589847
m,p-Xylene	<0.0018	mg/Kg - dry	0.0018	0.0052	1	12/13/21 12:51	ELM	L589847
Naphthalene	<0.0083	mg/Kg - dry	0.0083	0.0131	1	12/13/21 12:51	ELM	L589847
o-Xylene	<0.0010	mg/Kg - dry	0.0010	0.0026	1	12/13/21 12:51	ELM	L589847
n-Propyl acetate	<0.0088	mg/Kg - dry	0.0088	0.0131	1	12/13/21 12:51	ELM	L589847
n-Propylbenzene	<0.0008	mg/Kg - dry	0.0008	0.0026	1	12/13/21 12:51	ELM	L589847
Styrene	<0.0015	mg/Kg - dry	0.0015	0.0026	1	12/13/21 12:51	ELM	L589847
1,1,1,2-Tetrachloroethane	<0.0011	mg/Kg - dry	0.0011	0.0026	1	12/13/21 12:51	ELM	L589847
1,1,2,2-Tetrachloroethane	<0.0024	mg/Kg - dry	0.0024	0.0026	1	12/13/21 12:51	ELM	L589847
Tetrachloroethene	<0.0010	mg/Kg - dry	0.0010	0.0026	1	12/13/21 12:51	ELM	L589847
Toluene	<0.0042	mg/Kg - dry	0.0042	0.0052	1	12/13/21 12:51	ELM	L589847
1,2,3-Trichlorobenzene	<0.0026	mg/Kg - dry	0.0026	0.0026	1	12/13/21 12:51	ELM	L589847
1,2,4-Trichlorobenzene	<0.0014	mg/Kg - dry	0.0014	0.0026	1	12/13/21 12:51	ELM	L589847
1,1,1-Trichloroethane	<0.0005	mg/Kg - dry	0.0005	0.0026	1	12/13/21 12:51	ELM	L589847
1,1,2-Trichloroethane	<0.0013	mg/Kg - dry	0.0013	0.0026	1	12/13/21 12:51	ELM	L589847

Qualifiers/ Definitions

*	Outside QC Limit	DF	Dilution Factor
J	Estimated value	MQL	Method Quantitation Limit

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Rebekah Ross
Project Manager

Report Number : **21-343-0097**

REPORT OF ANALYSIS

Lab No : **95553**
Sample ID : **LEGSBo312-16**

Matrix: **Solids**
Sampled: **12/8/2021 15:30**

Analytical Method: 8260B **Prep Batch(es):** **L589843** 12/13/21 08:17
Prep Method: 5035

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Batch
Trichloroethene	<0.0011	mg/Kg - dry	0.0011	0.0026	1	12/13/21 12:51	ELM	L589847
Trichlorofluoromethane	<0.0011	mg/Kg - dry	0.0011	0.0026	1	12/13/21 12:51	ELM	L589847
1,2,3-Trichloropropane	<0.0019	mg/Kg - dry	0.0019	0.0026	1	12/13/21 12:51	ELM	L589847
1,2,4-Trimethylbenzene	<0.0010	mg/Kg - dry	0.0010	0.0026	1	12/13/21 12:51	ELM	L589847
1,3,5-Trimethylbenzene	<0.0011	mg/Kg - dry	0.0011	0.0026	1	12/13/21 12:51	ELM	L589847
Vinyl Acetate	<0.0053	mg/Kg - dry	0.0053	0.0524	1	12/13/21 12:51	ELM	L589847
Vinyl Chloride	<0.0009	mg/Kg - dry	0.0009	0.0026	1	12/13/21 12:51	ELM	L589847
Xylene (Total)	<0.0010	mg/Kg - dry	0.0010	0.0026	1	12/13/21 12:51		L589847
Surrogate: 4-Bromofluorobenzene	83.4		Limits: 60-140%		1	12/13/21 12:51	ELM	L589847
Surrogate: 1,2-Dichloroethane - d4	**59.5 ***		Limits: 60-140%		1	12/13/21 12:51	ELM	L589847
Surrogate: Toluene-d8	65.5		Limits: 60-140%		1	12/13/21 12:51	ELM	L589847

Analytical Method: 8270D SIM **Prep Batch(es):** **L589383** 12/10/21 11:13
Prep Method: 3550B

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Batch
Acenaphthene	<0.000393	mg/Kg - dry	0.000393	0.000879	1	12/14/21 00:28	VBW	L589638
Acenaphthylene	<0.000354	mg/Kg - dry	0.000354	0.000879	1	12/14/21 00:28	VBW	L589638
Anthracene	<0.000433	mg/Kg - dry	0.000433	0.000879	1	12/14/21 00:28	VBW	L589638
Benzo(a)anthracene	<0.000538	mg/Kg - dry	0.000538	0.000879	1	12/14/21 00:28	VBW	L589638
Benzo(a)pyrene	<0.000183	mg/Kg - dry	0.000183	0.000879	1	12/14/21 00:28	VBW	L589638
Benzo(b)fluoranthene	<0.000275	mg/Kg - dry	0.000275	0.000879	1	12/14/21 00:28	VBW	L589638
Benzo(g,h,i)perylene	**0.000950**	mg/Kg - dry	0.000538	0.000879	1	12/14/21 00:28	VBW	L589638

Qualifiers/ Definitions
* Outside QC Limit
J Estimated value
DF Dilution Factor
MQL Method Quantitation Limit

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Rebekah Ross
Project Manager

Report Number : **21-343-0097**

REPORT OF ANALYSIS

Lab No : **95553**
Sample ID : **LEGSBo312-16**

Matrix: **Solids**
Sampled: **12/8/2021 15:30**

Analytical Method: 8270D SIM **Prep Batch(es):** **L589383** 12/10/21 11:13
Prep Method: 3550B

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Batch
Benzo(k)fluoranthene	<0.000170	mg/Kg - dry	0.000170	0.000879	1	12/14/21 00:28	VBW	L589638
Chrysene	<0.000354	mg/Kg - dry	0.000354	0.000879	1	12/14/21 00:28	VBW	L589638
Dibenz(a,h)anthracene	<0.000472	mg/Kg - dry	0.000472	0.000879	1	12/14/21 00:28	VBW	L589638
Fluoranthene	<0.000511	mg/Kg - dry	0.000511	0.000879	1	12/14/21 00:28	VBW	L589638
Fluorene	<0.000380	mg/Kg - dry	0.000380	0.000879	1	12/14/21 00:28	VBW	L589638
Indeno(1,2,3-cd)pyrene	<0.000380	mg/Kg - dry	0.000380	0.000879	1	12/14/21 00:28	VBW	L589638
2-Methylnaphthalene	<0.000511	mg/Kg - dry	0.000511	0.000879	1	12/14/21 00:28	VBW	L589638
Naphthalene	<0.000612	mg/Kg - dry	0.000612	0.000879	1	12/14/21 00:28	VBW	L589638
Phenanthrene	<0.000551	mg/Kg - dry	0.000551	0.000879	1	12/14/21 00:28	VBW	L589638
Pyrene	<0.000774	mg/Kg - dry	0.000774	0.000879	1	12/14/21 00:28	VBW	L589638
Surrogate: 2-Fluorobiphenyl	64.7		Limits: 33-115%		1	12/14/21 00:28	VBW	L589638
Surrogate: Nitrobenzene-d5	44.7		Limits: 29-110%		1	12/14/21 00:28	VBW	L589638
Surrogate: 4-Terphenyl-d14	72.5		Limits: 33-122%		1	12/14/21 00:28	VBW	L589638

Analytical Method: TN EPH **Prep Batch(es):** **L589313** 12/10/21 09:46
Prep Method: 3550B

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Batch
Diesel Range Organics (C10-C28)	<3.94	mg/Kg - dry	3.94	4.33	1	12/13/21 14:35	MMK	L589528
Oil Range Organics (>C28-C40)	<3.94	mg/Kg - dry	3.94	4.33	1	12/13/21 14:35	MMK	L589528
TN EPH (C10-C40)	<3.94	mg/Kg - dry	3.94	4.33	1	12/13/21 14:35		L589528
Surrogate: OTP Surrogate	**36.7 ***		Limits: 50-150%		1	12/13/21 14:35	MMK	L589528

Qualifiers/ Definitions				
	*	Outside QC Limit	DF	Dilution Factor
	J	Estimated value	MQL	Method Quantitation Limit

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Project Legends Park
Information : Project No. 0888830988

Report Date : 12/14/2021
Received : 12/09/2021

Rebekah Ross
Project Manager

Report Number : **21-343-0097**

REPORT OF ANALYSIS

Lab No : **95554**
Sample ID : **LEGSBO324-28**

Matrix: **Solids**
Sampled: **12/8/2021 16:00**

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Method
Moisture	**19.1**	%			1	12/10/21 13:21	FMM	SW-DRYWT

Qualifiers/ Definitions

*	Outside QC Limit	DF	Dilution Factor
J	Estimated value	L	Limit Exceeded
MQL	Method Quantitation Limit		

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Project Legends Park

Information : Project No. 0888830988

Report Date : 12/14/2021
Received : 12/09/2021

Rebekah Ross
Project Manager

Report Number : **21-343-0097**

REPORT OF ANALYSIS

Lab No : **95554**
Sample ID : **LEGSBO324-28**

Matrix: **Solids**
Sampled: **12/8/2021 16:00**

Analytical Method: 8260B **Prep Batch(es):** **L589843** 12/13/21 08:17
Prep Method: 5035

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Batch
Acetone	<0.0053	mg/Kg - dry	0.0053	0.0494	1	12/13/21 13:24	ELM	L589847
Acetonitrile	<0.0645	mg/Kg - dry	0.0645	0.247	1	12/13/21 13:24	ELM	L589847
Acrolein	<0.0101	mg/Kg - dry	0.0101	0.0494	1	12/13/21 13:24	ELM	L589847
Acrylonitrile	<0.0046	mg/Kg - dry	0.0046	0.0494	1	12/13/21 13:24	ELM	L589847
Benzene	<0.0004	mg/Kg - dry	0.0004	0.0024	1	12/13/21 13:24	ELM	L589847
Bromobenzene	<0.0009	mg/Kg - dry	0.0009	0.0024	1	12/13/21 13:24	ELM	L589847
Bromochloromethane	<0.0005	mg/Kg - dry	0.0005	0.0024	1	12/13/21 13:24	ELM	L589847
Bromodichloromethane	<0.0009	mg/Kg - dry	0.0009	0.0024	1	12/13/21 13:24	ELM	L589847
Bromoform	<0.0016	mg/Kg - dry	0.0016	0.0024	1	12/13/21 13:24	ELM	L589847
Bromomethane	<0.0019	mg/Kg - dry	0.0019	0.0024	1	12/13/21 13:24	ELM	L589847
Methyl Ethyl Ketone (MEK)	<0.0047	mg/Kg - dry	0.0047	0.0494	1	12/13/21 13:24	ELM	L589847
n-Butylbenzene	<0.0011	mg/Kg - dry	0.0011	0.0024	1	12/13/21 13:24	ELM	L589847
sec-Butyl benzene	<0.0011	mg/Kg - dry	0.0011	0.0024	1	12/13/21 13:24	ELM	L589847
tert-Butyl benzene	<0.0009	mg/Kg - dry	0.0009	0.0024	1	12/13/21 13:24	ELM	L589847
Carbon Disulfide	<0.0035	mg/Kg - dry	0.0035	0.0123	1	12/13/21 13:24	ELM	L589847
Carbon Tetrachloride	<0.0005	mg/Kg - dry	0.0005	0.0024	1	12/13/21 13:24	ELM	L589847
Chlorobenzene	<0.0009	mg/Kg - dry	0.0009	0.0024	1	12/13/21 13:24	ELM	L589847
Chlorodibromomethane	<0.0012	mg/Kg - dry	0.0012	0.0024	1	12/13/21 13:24	ELM	L589847
Chloroethane	<0.0010	mg/Kg - dry	0.0010	0.0024	1	12/13/21 13:24	ELM	L589847
Chloroform	<0.0006	mg/Kg - dry	0.0006	0.0024	1	12/13/21 13:24	ELM	L589847
Chloromethane	<0.0008	mg/Kg - dry	0.0008	0.0024	1	12/13/21 13:24	ELM	L589847
2-Chlorotoluene	<0.0012	mg/Kg - dry	0.0012	0.0024	1	12/13/21 13:24	ELM	L589847

Qualifiers/ Definitions

*	Outside QC Limit	DF	Dilution Factor
J	Estimated value	MQL	Method Quantitation Limit

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Project Legends Park
Information : Project No. 0888830988

Report Date : 12/14/2021
Received : 12/09/2021

Report Number : **21-343-0097**

REPORT OF ANALYSIS

Rebekah Ross
Project Manager

Lab No : **95554**
Sample ID : **LEGSBO324-28**

Matrix: **Solids**
Sampled: **12/8/2021 16:00**

Analytical Method: 8260B **Prep Batch(es):** **L589843** 12/13/21 08:17
Prep Method: 5035

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Batch
4-Chlorotoluene	<0.0013	mg/Kg - dry	0.0013	0.0024	1	12/13/21 13:24	ELM	L589847
1,2-Dibromo-3-Chloropropane	<0.0081	mg/Kg - dry	0.0081	0.0123	1	12/13/21 13:24	ELM	L589847
1,2-Dibromoethane	<0.0011	mg/Kg - dry	0.0011	0.0024	1	12/13/21 13:24	ELM	L589847
Dibromomethane	<0.0008	mg/Kg - dry	0.0008	0.0024	1	12/13/21 13:24	ELM	L589847
1,2-Dichlorobenzene	<0.0017	mg/Kg - dry	0.0017	0.0024	1	12/13/21 13:24	ELM	L589847
1,3-Dichlorobenzene	<0.0016	mg/Kg - dry	0.0016	0.0024	1	12/13/21 13:24	ELM	L589847
1,4-Dichlorobenzene	<0.0018	mg/Kg - dry	0.0018	0.0024	1	12/13/21 13:24	ELM	L589847
Dichlorodifluoromethane	<0.0023	mg/Kg - dry	0.0023	0.0024	1	12/13/21 13:24	ELM	L589847
1,1-Dichloroethane	<0.0004	mg/Kg - dry	0.0004	0.0024	1	12/13/21 13:24	ELM	L589847
1,2-Dichloroethane	<0.0005	mg/Kg - dry	0.0005	0.0024	1	12/13/21 13:24	ELM	L589847
1,1-Dichloroethene	<0.0007	mg/Kg - dry	0.0007	0.0024	1	12/13/21 13:24	ELM	L589847
cis-1,2-Dichloroethene	<0.0006	mg/Kg - dry	0.0006	0.0024	1	12/13/21 13:24	ELM	L589847
trans-1,2-Dichloroethene	<0.0003	mg/Kg - dry	0.0003	0.0024	1	12/13/21 13:24	ELM	L589847
1,2-Dichloroethene (Total)	<0.0003	mg/Kg - dry	0.0003	0.0024	1	12/13/21 13:24		L589847
1,2-Dichloropropane	<0.0008	mg/Kg - dry	0.0008	0.0024	1	12/13/21 13:24	ELM	L589847
1,3-Dichloropropane	<0.0011	mg/Kg - dry	0.0011	0.0024	1	12/13/21 13:24	ELM	L589847
2,2-Dichloropropane	<0.0007	mg/Kg - dry	0.0007	0.0024	1	12/13/21 13:24	ELM	L589847
1,1-Dichloropropene	<0.0004	mg/Kg - dry	0.0004	0.0024	1	12/13/21 13:24	ELM	L589847
cis-1,3-Dichloropropene	<0.0009	mg/Kg - dry	0.0009	0.0024	1	12/13/21 13:24	ELM	L589847
trans-1,3-Dichloropropene	<0.0009	mg/Kg - dry	0.0009	0.0024	1	12/13/21 13:24	ELM	L589847
Ethyl Acetate	<0.0074	mg/Kg - dry	0.0074	0.0494	1	12/13/21 13:24	ELM	L589847
Ethylbenzene	<0.0007	mg/Kg - dry	0.0007	0.0024	1	12/13/21 13:24	ELM	L589847

Qualifiers/ Definitions

*	Outside QC Limit	DF	Dilution Factor
J	Estimated value	MQL	Method Quantitation Limit

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Project Legends Park
Information : Project No. 0888830988

Report Date : 12/14/2021
Received : 12/09/2021

Rebekah Ross
Project Manager

Report Number : **21-343-0097**

REPORT OF ANALYSIS

Lab No : **95554**
Sample ID : **LEGSBO324-28**

Matrix: **Solids**
Sampled: **12/8/2021 16:00**

Analytical Method: 8260B **Prep Batch(es):** **L589843** 12/13/21 08:17
Prep Method: 5035

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Batch
Hexachlorobutadiene	<0.0011	mg/Kg - dry	0.0011	0.0024	1	12/13/21 13:24	ELM	L589847
2-Hexanone	<0.0074	mg/Kg - dry	0.0074	0.0123	1	12/13/21 13:24	ELM	L589847
Iodomethane	<0.0056	mg/Kg - dry	0.0056	0.0123	1	12/13/21 13:24	ELM	L589847
Isopropylbenzene	<0.0009	mg/Kg - dry	0.0009	0.0024	1	12/13/21 13:24	ELM	L589847
4-Isopropyl toluene	<0.0012	mg/Kg - dry	0.0012	0.0024	1	12/13/21 13:24	ELM	L589847
4-Methyl-2-Pentanone	<0.0072	mg/Kg - dry	0.0072	0.0123	1	12/13/21 13:24	ELM	L589847
Methylene Chloride	<0.0034	mg/Kg - dry	0.0034	0.0123	1	12/13/21 13:24	ELM	L589847
Methyl tert-butyl ether (MTBE)	<0.0007	mg/Kg - dry	0.0007	0.0024	1	12/13/21 13:24	ELM	L589847
m,p-Xylene	<0.0017	mg/Kg - dry	0.0017	0.0049	1	12/13/21 13:24	ELM	L589847
Naphthalene	<0.0078	mg/Kg - dry	0.0078	0.0123	1	12/13/21 13:24	ELM	L589847
o-Xylene	<0.0009	mg/Kg - dry	0.0009	0.0024	1	12/13/21 13:24	ELM	L589847
n-Propyl acetate	<0.0083	mg/Kg - dry	0.0083	0.0123	1	12/13/21 13:24	ELM	L589847
n-Propylbenzene	<0.0007	mg/Kg - dry	0.0007	0.0024	1	12/13/21 13:24	ELM	L589847
Styrene	<0.0014	mg/Kg - dry	0.0014	0.0024	1	12/13/21 13:24	ELM	L589847
1,1,1,2-Tetrachloroethane	<0.0011	mg/Kg - dry	0.0011	0.0024	1	12/13/21 13:24	ELM	L589847
1,1,2,2-Tetrachloroethane	<0.0023	mg/Kg - dry	0.0023	0.0024	1	12/13/21 13:24	ELM	L589847
Tetrachloroethene	<0.0009	mg/Kg - dry	0.0009	0.0024	1	12/13/21 13:24	ELM	L589847
Toluene	<0.0040	mg/Kg - dry	0.0040	0.0049	1	12/13/21 13:24	ELM	L589847
1,2,3-Trichlorobenzene	<0.0024	mg/Kg - dry	0.0024	0.0024	1	12/13/21 13:24	ELM	L589847
1,2,4-Trichlorobenzene	<0.0013	mg/Kg - dry	0.0013	0.0024	1	12/13/21 13:24	ELM	L589847
1,1,1-Trichloroethane	<0.0004	mg/Kg - dry	0.0004	0.0024	1	12/13/21 13:24	ELM	L589847
1,1,2-Trichloroethane	<0.0012	mg/Kg - dry	0.0012	0.0024	1	12/13/21 13:24	ELM	L589847

Qualifiers/ Definitions

*	Outside QC Limit	DF	Dilution Factor
J	Estimated value	MQL	Method Quantitation Limit

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Project Legends Park
Information : Project No. 0888830988

Report Date : 12/14/2021
Received : 12/09/2021

Report Number : **21-343-0097**

REPORT OF ANALYSIS

Rebekah Ross
Project Manager

Lab No : **95554**
Sample ID : **LEGSBO324-28**

Matrix: **Solids**
Sampled: **12/8/2021 16:00**

Analytical Method: 8260B **Prep Batch(es):** **L589843** 12/13/21 08:17
Prep Method: 5035

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Batch
Trichloroethene	<0.0011	mg/Kg - dry	0.0011	0.0024	1	12/13/21 13:24	ELM	L589847
Trichlorofluoromethane	<0.0011	mg/Kg - dry	0.0011	0.0024	1	12/13/21 13:24	ELM	L589847
1,2,3-Trichloropropane	<0.0018	mg/Kg - dry	0.0018	0.0024	1	12/13/21 13:24	ELM	L589847
1,2,4-Trimethylbenzene	<0.0010	mg/Kg - dry	0.0010	0.0024	1	12/13/21 13:24	ELM	L589847
1,3,5-Trimethylbenzene	<0.0011	mg/Kg - dry	0.0011	0.0024	1	12/13/21 13:24	ELM	L589847
Vinyl Acetate	<0.0049	mg/Kg - dry	0.0049	0.0494	1	12/13/21 13:24	ELM	L589847
Vinyl Chloride	<0.0009	mg/Kg - dry	0.0009	0.0024	1	12/13/21 13:24	ELM	L589847
Xylene (Total)	<0.0009	mg/Kg - dry	0.0009	0.0024	1	12/13/21 13:24		L589847
Surrogate: 4-Bromofluorobenzene	83.4		Limits: 60-140%		1	12/13/21 13:24	ELM	L589847
Surrogate: 1,2-Dichloroethane - d4	63.6		Limits: 60-140%		1	12/13/21 13:24	ELM	L589847
Surrogate: Toluene-d8	65.7		Limits: 60-140%		1	12/13/21 13:24	ELM	L589847

Analytical Method: 8270D SIM **Prep Batch(es):** **L589383** 12/10/21 11:13
Prep Method: 3550B

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Batch
Acenaphthene	<0.000370	mg/Kg - dry	0.000370	0.000828	1	12/14/21 00:45	VBW	L589638
Acenaphthylene	<0.000333	mg/Kg - dry	0.000333	0.000828	1	12/14/21 00:45	VBW	L589638
Anthracene	<0.000407	mg/Kg - dry	0.000407	0.000828	1	12/14/21 00:45	VBW	L589638
Benzo(a)anthracene	<0.000506	mg/Kg - dry	0.000506	0.000828	1	12/14/21 00:45	VBW	L589638
Benzo(a)pyrene	<0.000173	mg/Kg - dry	0.000173	0.000828	1	12/14/21 00:45	VBW	L589638
Benzo(b)fluoranthene	<0.000259	mg/Kg - dry	0.000259	0.000828	1	12/14/21 00:45	VBW	L589638
Benzo(g,h,i)perylene	**0.000686 J**	mg/Kg - dry	0.000506	0.000828	1	12/14/21 00:45	VBW	L589638

Qualifiers/ Definitions
* Outside QC Limit
J Estimated value
DF Dilution Factor
MQL Method Quantitation Limit

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Project Legends Park
Information : Project No. 0888830988

Report Date : 12/14/2021
Received : 12/09/2021

Rebekah Ross
Project Manager

Report Number : **21-343-0097**

REPORT OF ANALYSIS

Lab No : **95554**
Sample ID : **LEGSBO324-28**

Matrix: **Solids**
Sampled: **12/8/2021 16:00**

Analytical Method: 8270D SIM **Prep Batch(es):** **L589383** 12/10/21 11:13
Prep Method: 3550B

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Batch
Benzo(k)fluoranthene	<0.000160	mg/Kg - dry	0.000160	0.000828	1	12/14/21 00:45	VBW	L589638
Chrysene	<0.000333	mg/Kg - dry	0.000333	0.000828	1	12/14/21 00:45	VBW	L589638
Dibenz(a,h)anthracene	<0.000444	mg/Kg - dry	0.000444	0.000828	1	12/14/21 00:45	VBW	L589638
Fluoranthene	<0.000482	mg/Kg - dry	0.000482	0.000828	1	12/14/21 00:45	VBW	L589638
Fluorene	<0.000358	mg/Kg - dry	0.000358	0.000828	1	12/14/21 00:45	VBW	L589638
Indeno(1,2,3-cd)pyrene	<0.000358	mg/Kg - dry	0.000358	0.000828	1	12/14/21 00:45	VBW	L589638
2-Methylnaphthalene	<0.000482	mg/Kg - dry	0.000482	0.000828	1	12/14/21 00:45	VBW	L589638
Naphthalene	<0.000577	mg/Kg - dry	0.000577	0.000828	1	12/14/21 00:45	VBW	L589638
Phenanthrene	<0.000519	mg/Kg - dry	0.000519	0.000828	1	12/14/21 00:45	VBW	L589638
Pyrene	<0.000729	mg/Kg - dry	0.000729	0.000828	1	12/14/21 00:45	VBW	L589638
Surrogate: 2-Fluorobiphenyl	63.3		Limits: 33-115%		1	12/14/21 00:45	VBW	L589638
Surrogate: Nitrobenzene-d5	42.1		Limits: 29-110%		1	12/14/21 00:45	VBW	L589638
Surrogate: 4-Terphenyl-d14	69.7		Limits: 33-122%		1	12/14/21 00:45	VBW	L589638

Analytical Method: TN EPH **Prep Batch(es):** **L589313** 12/10/21 09:46
Prep Method: 3550B

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Batch
Diesel Range Organics (C10-C28)	<3.71	mg/Kg - dry	3.71	4.08	1	12/13/21 14:53	MMK	L589528
Oil Range Organics (>C28-C40)	<3.71	mg/Kg - dry	3.71	4.08	1	12/13/21 14:53	MMK	L589528
TN EPH (C10-C40)	<3.71	mg/Kg - dry	3.71	4.08	1	12/13/21 14:53		L589528
Surrogate: OTP Surrogate	**43.6 ***		Limits: 50-150%		1	12/13/21 14:53	MMK	L589528

Qualifiers/ Definitions				
	*	Outside QC Limit	DF	Dilution Factor
	J	Estimated value	MQL	Method Quantitation Limit

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Project Legends Park
Information : Project No. 0888830988

Report Date : 12/14/2021
Received : 12/09/2021

Report Number : **21-343-0097**

REPORT OF ANALYSIS

Rebekah Ross
Project Manager

Lab No : **95555**
Sample ID : **LEGSBO416-20**

Matrix: **Solids**
Sampled: **12/8/2021 9:15**

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Method
Moisture	**21.6**	%			1	12/10/21 13:21	FMM	SW-DRYWT

Qualifiers/ Definitions

*	Outside QC Limit	DF	Dilution Factor
J	Estimated value	L	Limit Exceeded
MQL	Method Quantitation Limit		

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Project Legends Park
Information : Project No. 0888830988

Report Date : 12/14/2021
Received : 12/09/2021

Rebekah Ross
Project Manager

Report Number : **21-343-0097**

REPORT OF ANALYSIS

Lab No : **95555**
Sample ID : **LEGSBO416-20**

Matrix: **Solids**
Sampled: **12/8/2021 9:15**

Analytical Method: 8260B **Prep Batch(es):** **L589843** 12/13/21 08:17
Prep Method: 5035

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Batch
Acetone	**0.0156 J**	mg/Kg - dry	0.0055	0.0510	1	12/13/21 13:57	ELM	L589847
Acetonitrile	<0.0665	mg/Kg - dry	0.0665	0.255	1	12/13/21 13:57	ELM	L589847
Acrolein	<0.0105	mg/Kg - dry	0.0105	0.0510	1	12/13/21 13:57	ELM	L589847
Acrylonitrile	<0.0048	mg/Kg - dry	0.0048	0.0510	1	12/13/21 13:57	ELM	L589847
Benzene	**0.0038**	mg/Kg - dry	0.0004	0.0025	1	12/13/21 13:57	ELM	L589847
Bromobenzene	<0.0009	mg/Kg - dry	0.0009	0.0025	1	12/13/21 13:57	ELM	L589847
Bromochloromethane	<0.0005	mg/Kg - dry	0.0005	0.0025	1	12/13/21 13:57	ELM	L589847
Bromodichloromethane	<0.0009	mg/Kg - dry	0.0009	0.0025	1	12/13/21 13:57	ELM	L589847
Bromoform	<0.0016	mg/Kg - dry	0.0016	0.0025	1	12/13/21 13:57	ELM	L589847
Bromomethane	<0.0020	mg/Kg - dry	0.0020	0.0025	1	12/13/21 13:57	ELM	L589847
Methyl Ethyl Ketone (MEK)	<0.0048	mg/Kg - dry	0.0048	0.0510	1	12/13/21 13:57	ELM	L589847
n-Butylbenzene	<0.0011	mg/Kg - dry	0.0011	0.0025	1	12/13/21 13:57	ELM	L589847
sec-Butyl benzene	<0.0011	mg/Kg - dry	0.0011	0.0025	1	12/13/21 13:57	ELM	L589847
tert-Butyl benzene	<0.0009	mg/Kg - dry	0.0009	0.0025	1	12/13/21 13:57	ELM	L589847
Carbon Disulfide	<0.0036	mg/Kg - dry	0.0036	0.0127	1	12/13/21 13:57	ELM	L589847
Carbon Tetrachloride	<0.0005	mg/Kg - dry	0.0005	0.0025	1	12/13/21 13:57	ELM	L589847
Chlorobenzene	<0.0009	mg/Kg - dry	0.0009	0.0025	1	12/13/21 13:57	ELM	L589847
Chlorodibromomethane	<0.0013	mg/Kg - dry	0.0013	0.0025	1	12/13/21 13:57	ELM	L589847
Chloroethane	<0.0010	mg/Kg - dry	0.0010	0.0025	1	12/13/21 13:57	ELM	L589847
Chloroform	<0.0006	mg/Kg - dry	0.0006	0.0025	1	12/13/21 13:57	ELM	L589847
Chloromethane	<0.0009	mg/Kg - dry	0.0009	0.0025	1	12/13/21 13:57	ELM	L589847
2-Chlorotoluene	<0.0012	mg/Kg - dry	0.0012	0.0025	1	12/13/21 13:57	ELM	L589847

Qualifiers/ Definitions

*	Outside QC Limit	DF	Dilution Factor
J	Estimated value	MQL	Method Quantitation Limit

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Project Legends Park
Information : Project No. 0888830988

Report Date : 12/14/2021
Received : 12/09/2021

Rebekah Ross
Project Manager

Report Number : **21-343-0097**

REPORT OF ANALYSIS

Lab No : **95555**
Sample ID : **LEGSBO416-20**

Matrix: **Solids**
Sampled: **12/8/2021 9:15**

Analytical Method: 8260B **Prep Batch(es):** **L589843** 12/13/21 08:17
Prep Method: 5035

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Batch
4-Chlorotoluene	<0.0013	mg/Kg - dry	0.0013	0.0025	1	12/13/21 13:57	ELM	L589847
1,2-Dibromo-3-Chloropropane	<0.0084	mg/Kg - dry	0.0084	0.0127	1	12/13/21 13:57	ELM	L589847
1,2-Dibromoethane	<0.0011	mg/Kg - dry	0.0011	0.0025	1	12/13/21 13:57	ELM	L589847
Dibromomethane	<0.0008	mg/Kg - dry	0.0008	0.0025	1	12/13/21 13:57	ELM	L589847
1,2-Dichlorobenzene	<0.0017	mg/Kg - dry	0.0017	0.0025	1	12/13/21 13:57	ELM	L589847
1,3-Dichlorobenzene	<0.0017	mg/Kg - dry	0.0017	0.0025	1	12/13/21 13:57	ELM	L589847
1,4-Dichlorobenzene	<0.0019	mg/Kg - dry	0.0019	0.0025	1	12/13/21 13:57	ELM	L589847
Dichlorodifluoromethane	<0.0024	mg/Kg - dry	0.0024	0.0025	1	12/13/21 13:57	ELM	L589847
1,1-Dichloroethane	<0.0004	mg/Kg - dry	0.0004	0.0025	1	12/13/21 13:57	ELM	L589847
1,2-Dichloroethane	<0.0005	mg/Kg - dry	0.0005	0.0025	1	12/13/21 13:57	ELM	L589847
1,1-Dichloroethene	<0.0007	mg/Kg - dry	0.0007	0.0025	1	12/13/21 13:57	ELM	L589847
cis-1,2-Dichloroethene	<0.0006	mg/Kg - dry	0.0006	0.0025	1	12/13/21 13:57	ELM	L589847
trans-1,2-Dichloroethene	<0.0003	mg/Kg - dry	0.0003	0.0025	1	12/13/21 13:57	ELM	L589847
1,2-Dichloroethene (Total)	<0.0003	mg/Kg - dry	0.0003	0.0025	1	12/13/21 13:57		L589847
1,2-Dichloropropane	<0.0008	mg/Kg - dry	0.0008	0.0025	1	12/13/21 13:57	ELM	L589847
1,3-Dichloropropane	<0.0011	mg/Kg - dry	0.0011	0.0025	1	12/13/21 13:57	ELM	L589847
2,2-Dichloropropane	<0.0007	mg/Kg - dry	0.0007	0.0025	1	12/13/21 13:57	ELM	L589847
1,1-Dichloropropene	<0.0004	mg/Kg - dry	0.0004	0.0025	1	12/13/21 13:57	ELM	L589847
cis-1,3-Dichloropropene	<0.0009	mg/Kg - dry	0.0009	0.0025	1	12/13/21 13:57	ELM	L589847
trans-1,3-Dichloropropene	<0.0009	mg/Kg - dry	0.0009	0.0025	1	12/13/21 13:57	ELM	L589847
Ethyl Acetate	<0.0077	mg/Kg - dry	0.0077	0.0510	1	12/13/21 13:57	ELM	L589847
Ethylbenzene	**0.0049**	mg/Kg - dry	0.0008	0.0025	1	12/13/21 13:57	ELM	L589847

Qualifiers/ Definitions

*	Outside QC Limit	DF	Dilution Factor
J	Estimated value	MQL	Method Quantitation Limit

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Project Legends Park
Information : Project No. 0888830988

Report Date : 12/14/2021
Received : 12/09/2021

Rebekah Ross
Project Manager

Report Number : **21-343-0097**

REPORT OF ANALYSIS

Lab No : **95555**
Sample ID : **LEGSBO416-20**

Matrix: **Solids**
Sampled: **12/8/2021 9:15**

Analytical Method: 8260B **Prep Batch(es):** **L589843** 12/13/21 08:17
Prep Method: 5035

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Batch
Hexachlorobutadiene	<0.0011	mg/Kg - dry	0.0011	0.0025	1	12/13/21 13:57	ELM	L589847
2-Hexanone	<0.0076	mg/Kg - dry	0.0076	0.0127	1	12/13/21 13:57	ELM	L589847
Iodomethane	<0.0058	mg/Kg - dry	0.0058	0.0127	1	12/13/21 13:57	ELM	L589847
Isopropylbenzene	<0.0009	mg/Kg - dry	0.0009	0.0025	1	12/13/21 13:57	ELM	L589847
4-Isopropyl toluene	<0.0012	mg/Kg - dry	0.0012	0.0025	1	12/13/21 13:57	ELM	L589847
4-Methyl-2-Pentanone	<0.0074	mg/Kg - dry	0.0074	0.0127	1	12/13/21 13:57	ELM	L589847
Methylene Chloride	<0.0035	mg/Kg - dry	0.0035	0.0127	1	12/13/21 13:57	ELM	L589847
Methyl tert-butyl ether (MTBE)	<0.0007	mg/Kg - dry	0.0007	0.0025	1	12/13/21 13:57	ELM	L589847
m,p-Xylene	**0.0055**	mg/Kg - dry	0.0018	0.0051	1	12/13/21 13:57	ELM	L589847
Naphthalene	<0.0080	mg/Kg - dry	0.0080	0.0127	1	12/13/21 13:57	ELM	L589847
o-Xylene	**0.0022 J**	mg/Kg - dry	0.0009	0.0025	1	12/13/21 13:57	ELM	L589847
n-Propyl acetate	<0.0086	mg/Kg - dry	0.0086	0.0127	1	12/13/21 13:57	ELM	L589847
n-Propylbenzene	<0.0008	mg/Kg - dry	0.0008	0.0025	1	12/13/21 13:57	ELM	L589847
Styrene	<0.0014	mg/Kg - dry	0.0014	0.0025	1	12/13/21 13:57	ELM	L589847
1,1,1,2-Tetrachloroethane	<0.0011	mg/Kg - dry	0.0011	0.0025	1	12/13/21 13:57	ELM	L589847
1,1,2,2-Tetrachloroethane	<0.0023	mg/Kg - dry	0.0023	0.0025	1	12/13/21 13:57	ELM	L589847
Tetrachloroethene	<0.0010	mg/Kg - dry	0.0010	0.0025	1	12/13/21 13:57	ELM	L589847
Toluene	**0.0098**	mg/Kg - dry	0.0041	0.0051	1	12/13/21 13:57	ELM	L589847
1,2,3-Trichlorobenzene	<0.0025	mg/Kg - dry	0.0025	0.0025	1	12/13/21 13:57	ELM	L589847
1,2,4-Trichlorobenzene	<0.0014	mg/Kg - dry	0.0014	0.0025	1	12/13/21 13:57	ELM	L589847
1,1,1-Trichloroethane	<0.0004	mg/Kg - dry	0.0004	0.0025	1	12/13/21 13:57	ELM	L589847
1,1,2-Trichloroethane	<0.0013	mg/Kg - dry	0.0013	0.0025	1	12/13/21 13:57	ELM	L589847

Qualifiers/ Definitions

*	Outside QC Limit	DF	Dilution Factor
J	Estimated value	MQL	Method Quantitation Limit

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Project Legends Park
Information : Project No. 0888830988

Report Date : 12/14/2021
Received : 12/09/2021

Rebekah Ross
Project Manager

Report Number : **21-343-0097**

REPORT OF ANALYSIS

Lab No : **95555**
Sample ID : **LEGSBO416-20**

Matrix: **Solids**
Sampled: **12/8/2021 9:15**

Analytical Method: 8260B **Prep Batch(es):** **L589843** 12/13/21 08:17
Prep Method: 5035

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Batch
Trichloroethene	<0.0011	mg/Kg - dry	0.0011	0.0025	1	12/13/21 13:57	ELM	L589847
Trichlorofluoromethane	<0.0011	mg/Kg - dry	0.0011	0.0025	1	12/13/21 13:57	ELM	L589847
1,2,3-Trichloropropane	<0.0019	mg/Kg - dry	0.0019	0.0025	1	12/13/21 13:57	ELM	L589847
1,2,4-Trimethylbenzene	**0.0025 J**	mg/Kg - dry	0.0010	0.0025	1	12/13/21 13:57	ELM	L589847
1,3,5-Trimethylbenzene	<0.0011	mg/Kg - dry	0.0011	0.0025	1	12/13/21 13:57	ELM	L589847
Vinyl Acetate	<0.0051	mg/Kg - dry	0.0051	0.0510	1	12/13/21 13:57	ELM	L589847
Vinyl Chloride	<0.0009	mg/Kg - dry	0.0009	0.0025	1	12/13/21 13:57	ELM	L589847
Xylene (Total)	**0.0077 J**	mg/Kg - dry	0.0009	0.0025	1	12/13/21 13:57		L589847
Surrogate: 4-Bromofluorobenzene	89.8		Limits: 60-140%		1	12/13/21 13:57	ELM	L589847
Surrogate: 1,2-Dichloroethane - d4	68.2		Limits: 60-140%		1	12/13/21 13:57	ELM	L589847
Surrogate: Toluene-d8	67.7		Limits: 60-140%		1	12/13/21 13:57	ELM	L589847

Analytical Method: 8270D SIM **Prep Batch(es):** **L589383** 12/10/21 11:13
Prep Method: 3550B

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Batch
Acenaphthene	<0.000382	mg/Kg - dry	0.000382	0.000854	1	12/14/21 01:01	VBW	L589638
Acenaphthylene	<0.000344	mg/Kg - dry	0.000344	0.000854	1	12/14/21 01:01	VBW	L589638
Anthracene	<0.000420	mg/Kg - dry	0.000420	0.000854	1	12/14/21 01:01	VBW	L589638
Benzo(a)anthracene	<0.000522	mg/Kg - dry	0.000522	0.000854	1	12/14/21 01:01	VBW	L589638
Benzo(a)pyrene	<0.000178	mg/Kg - dry	0.000178	0.000854	1	12/14/21 01:01	VBW	L589638
Benzo(b)fluoranthene	<0.000267	mg/Kg - dry	0.000267	0.000854	1	12/14/21 01:01	VBW	L589638
Benzo(g,h,i)perylene	**0.000684 J**	mg/Kg - dry	0.000522	0.000854	1	12/14/21 01:01	VBW	L589638

Qualifiers/ Definitions
* Outside QC Limit
J Estimated value
DF Dilution Factor
MQL Method Quantitation Limit

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Report Date : 12/14/2021
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Rebekah Ross
Project Manager

Report Number : **21-343-0097**

REPORT OF ANALYSIS

Lab No : **95555**
Sample ID : **LEGSBO416-20**

Matrix: **Solids**
Sampled: **12/8/2021 9:15**

Analytical Method: 8270D SIM **Prep Batch(es):** **L589383** 12/10/21 11:13
Prep Method: 3550B

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Batch
Benzo(k)fluoranthene	<0.000165	mg/Kg - dry	0.000165	0.000854	1	12/14/21 01:01	VBW	L589638
Chrysene	<0.000344	mg/Kg - dry	0.000344	0.000854	1	12/14/21 01:01	VBW	L589638
Dibenz(a,h)anthracene	<0.000459	mg/Kg - dry	0.000459	0.000854	1	12/14/21 01:01	VBW	L589638
Fluoranthene	<0.000497	mg/Kg - dry	0.000497	0.000854	1	12/14/21 01:01	VBW	L589638
Fluorene	<0.000369	mg/Kg - dry	0.000369	0.000854	1	12/14/21 01:01	VBW	L589638
Indeno(1,2,3-cd)pyrene	<0.000369	mg/Kg - dry	0.000369	0.000854	1	12/14/21 01:01	VBW	L589638
2-Methylnaphthalene	<0.000497	mg/Kg - dry	0.000497	0.000854	1	12/14/21 01:01	VBW	L589638
Naphthalene	<0.000595	mg/Kg - dry	0.000595	0.000854	1	12/14/21 01:01	VBW	L589638
Phenanthrene	<0.000535	mg/Kg - dry	0.000535	0.000854	1	12/14/21 01:01	VBW	L589638
Pyrene	<0.000752	mg/Kg - dry	0.000752	0.000854	1	12/14/21 01:01	VBW	L589638
Surrogate: 2-Fluorobiphenyl		60.0		Limits: 33-115%	1	12/14/21 01:01	VBW	L589638
Surrogate: Nitrobenzene-d5		41.2		Limits: 29-110%	1	12/14/21 01:01	VBW	L589638
Surrogate: 4-Terphenyl-d14		67.0		Limits: 33-122%	1	12/14/21 01:01	VBW	L589638

Analytical Method: TN EPH **Prep Batch(es):** **L589313** 12/10/21 09:46
Prep Method: 3550B

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Batch
Diesel Range Organics (C10-C28)	<3.83	mg/Kg - dry	3.83	4.21	1	12/10/21 20:39	MMK	L589528
Oil Range Organics (>C28-C40)	**6.45**	mg/Kg - dry	3.83	4.21	1	12/10/21 20:39	MMK	L589528
TN EPH (C10-C40)	**6.45**	mg/Kg - dry	3.83	4.21	1	12/10/21 20:39		L589528
Surrogate: OTP Surrogate		**47.1 ***		Limits: 50-150%	1	12/13/21 14:53	MMK	L589528

Qualifiers/ Definitions				
	*	Outside QC Limit	DF	Dilution Factor
	J	Estimated value	MQL	Method Quantitation Limit

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Project Legends Park
Information : Project No. 0888830988

Report Date : 12/14/2021
Received : 12/09/2021

Report Number : **21-343-0097**

REPORT OF ANALYSIS

Rebekah Ross
Project Manager

Lab No : **95556**
Sample ID : **LEGSBO428-32**

Matrix: **Solids**
Sampled: **12/8/2021 9:10**

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Method
Moisture	**19.2**	%			1	12/10/21 13:21	FMM	SW-DRYWT

Qualifiers/ Definitions

*	Outside QC Limit	DF	Dilution Factor
J	Estimated value	L	Limit Exceeded
MQL	Method Quantitation Limit		

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Rebekah Ross
Project Manager

Report Number : **21-343-0097**

REPORT OF ANALYSIS

Lab No : **95556**
Sample ID : **LEGSBO428-32**

Matrix: **Solids**
Sampled: **12/8/2021 9:10**

Analytical Method: 8260B **Prep Batch(es):** **L589843** 12/13/21 08:17
Prep Method: 5035

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Batch
Acetone	<0.0053	mg/Kg - dry	0.0053	0.0495	1	12/13/21 14:30	ELM	L589847
Acetonitrile	<0.0646	mg/Kg - dry	0.0646	0.248	1	12/13/21 14:30	ELM	L589847
Acrolein	<0.0102	mg/Kg - dry	0.0102	0.0495	1	12/13/21 14:30	ELM	L589847
Acrylonitrile	<0.0046	mg/Kg - dry	0.0046	0.0495	1	12/13/21 14:30	ELM	L589847
Benzene	<0.0004	mg/Kg - dry	0.0004	0.0024	1	12/13/21 14:30	ELM	L589847
Bromobenzene	<0.0009	mg/Kg - dry	0.0009	0.0024	1	12/13/21 14:30	ELM	L589847
Bromochloromethane	<0.0005	mg/Kg - dry	0.0005	0.0024	1	12/13/21 14:30	ELM	L589847
Bromodichloromethane	<0.0009	mg/Kg - dry	0.0009	0.0024	1	12/13/21 14:30	ELM	L589847
Bromoform	<0.0016	mg/Kg - dry	0.0016	0.0024	1	12/13/21 14:30	ELM	L589847
Bromomethane	<0.0019	mg/Kg - dry	0.0019	0.0024	1	12/13/21 14:30	ELM	L589847
Methyl Ethyl Ketone (MEK)	<0.0047	mg/Kg - dry	0.0047	0.0495	1	12/13/21 14:30	ELM	L589847
n-Butylbenzene	<0.0011	mg/Kg - dry	0.0011	0.0024	1	12/13/21 14:30	ELM	L589847
sec-Butyl benzene	<0.0011	mg/Kg - dry	0.0011	0.0024	1	12/13/21 14:30	ELM	L589847
tert-Butyl benzene	<0.0009	mg/Kg - dry	0.0009	0.0024	1	12/13/21 14:30	ELM	L589847
Carbon Disulfide	<0.0035	mg/Kg - dry	0.0035	0.0123	1	12/13/21 14:30	ELM	L589847
Carbon Tetrachloride	<0.0005	mg/Kg - dry	0.0005	0.0024	1	12/13/21 14:30	ELM	L589847
Chlorobenzene	<0.0009	mg/Kg - dry	0.0009	0.0024	1	12/13/21 14:30	ELM	L589847
Chlorodibromomethane	<0.0012	mg/Kg - dry	0.0012	0.0024	1	12/13/21 14:30	ELM	L589847
Chloroethane	<0.0010	mg/Kg - dry	0.0010	0.0024	1	12/13/21 14:30	ELM	L589847
Chloroform	<0.0006	mg/Kg - dry	0.0006	0.0024	1	12/13/21 14:30	ELM	L589847
Chloromethane	<0.0008	mg/Kg - dry	0.0008	0.0024	1	12/13/21 14:30	ELM	L589847
2-Chlorotoluene	<0.0012	mg/Kg - dry	0.0012	0.0024	1	12/13/21 14:30	ELM	L589847

Qualifiers/ Definitions

*	Outside QC Limit	DF	Dilution Factor
J	Estimated value	MQL	Method Quantitation Limit

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Project Legends Park
Information : Project No. 0888830988

Report Date : 12/14/2021
Received : 12/09/2021

Rebekah Ross
Project Manager

Report Number : **21-343-0097**

REPORT OF ANALYSIS

Lab No : **95556**
Sample ID : **LEGSBO428-32**

Matrix: **Solids**
Sampled: **12/8/2021 9:10**

Analytical Method: 8260B **Prep Batch(es):** **L589843** 12/13/21 08:17
Prep Method: 5035

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Batch
4-Chlorotoluene	<0.0013	mg/Kg - dry	0.0013	0.0024	1	12/13/21 14:30	ELM	L589847
1,2-Dibromo-3-Chloropropane	<0.0081	mg/Kg - dry	0.0081	0.0123	1	12/13/21 14:30	ELM	L589847
1,2-Dibromoethane	<0.0011	mg/Kg - dry	0.0011	0.0024	1	12/13/21 14:30	ELM	L589847
Dibromomethane	<0.0008	mg/Kg - dry	0.0008	0.0024	1	12/13/21 14:30	ELM	L589847
1,2-Dichlorobenzene	<0.0017	mg/Kg - dry	0.0017	0.0024	1	12/13/21 14:30	ELM	L589847
1,3-Dichlorobenzene	<0.0016	mg/Kg - dry	0.0016	0.0024	1	12/13/21 14:30	ELM	L589847
1,4-Dichlorobenzene	<0.0018	mg/Kg - dry	0.0018	0.0024	1	12/13/21 14:30	ELM	L589847
Dichlorodifluoromethane	<0.0023	mg/Kg - dry	0.0023	0.0024	1	12/13/21 14:30	ELM	L589847
1,1-Dichloroethane	<0.0004	mg/Kg - dry	0.0004	0.0024	1	12/13/21 14:30	ELM	L589847
1,2-Dichloroethane	<0.0005	mg/Kg - dry	0.0005	0.0024	1	12/13/21 14:30	ELM	L589847
1,1-Dichloroethene	<0.0007	mg/Kg - dry	0.0007	0.0024	1	12/13/21 14:30	ELM	L589847
cis-1,2-Dichloroethene	<0.0006	mg/Kg - dry	0.0006	0.0024	1	12/13/21 14:30	ELM	L589847
trans-1,2-Dichloroethene	<0.0003	mg/Kg - dry	0.0003	0.0024	1	12/13/21 14:30	ELM	L589847
1,2-Dichloroethene (Total)	<0.0003	mg/Kg - dry	0.0003	0.0024	1	12/13/21 14:30		L589847
1,2-Dichloropropane	<0.0008	mg/Kg - dry	0.0008	0.0024	1	12/13/21 14:30	ELM	L589847
1,3-Dichloropropane	<0.0011	mg/Kg - dry	0.0011	0.0024	1	12/13/21 14:30	ELM	L589847
2,2-Dichloropropane	<0.0007	mg/Kg - dry	0.0007	0.0024	1	12/13/21 14:30	ELM	L589847
1,1-Dichloropropene	<0.0004	mg/Kg - dry	0.0004	0.0024	1	12/13/21 14:30	ELM	L589847
cis-1,3-Dichloropropene	<0.0009	mg/Kg - dry	0.0009	0.0024	1	12/13/21 14:30	ELM	L589847
trans-1,3-Dichloropropene	<0.0009	mg/Kg - dry	0.0009	0.0024	1	12/13/21 14:30	ELM	L589847
Ethyl Acetate	<0.0074	mg/Kg - dry	0.0074	0.0495	1	12/13/21 14:30	ELM	L589847
Ethylbenzene	<0.0007	mg/Kg - dry	0.0007	0.0024	1	12/13/21 14:30	ELM	L589847

Qualifiers/ Definitions

*	Outside QC Limit	DF	Dilution Factor
J	Estimated value	MQL	Method Quantitation Limit

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Project Legends Park
Information : Project No. 0888830988

Report Date : 12/14/2021
Received : 12/09/2021

Rebekah Ross
Project Manager

Report Number : **21-343-0097**

REPORT OF ANALYSIS

Lab No : **95556**
Sample ID : **LEGSBO428-32**

Matrix: **Solids**
Sampled: **12/8/2021 9:10**

Analytical Method: 8260B **Prep Batch(es):** **L589843** 12/13/21 08:17
Prep Method: 5035

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Batch
Hexachlorobutadiene	<0.0011	mg/Kg - dry	0.0011	0.0024	1	12/13/21 14:30	ELM	L589847
2-Hexanone	<0.0074	mg/Kg - dry	0.0074	0.0123	1	12/13/21 14:30	ELM	L589847
Iodomethane	<0.0056	mg/Kg - dry	0.0056	0.0123	1	12/13/21 14:30	ELM	L589847
Isopropylbenzene	<0.0009	mg/Kg - dry	0.0009	0.0024	1	12/13/21 14:30	ELM	L589847
4-Isopropyl toluene	<0.0012	mg/Kg - dry	0.0012	0.0024	1	12/13/21 14:30	ELM	L589847
4-Methyl-2-Pentanone	<0.0072	mg/Kg - dry	0.0072	0.0123	1	12/13/21 14:30	ELM	L589847
Methylene Chloride	<0.0034	mg/Kg - dry	0.0034	0.0123	1	12/13/21 14:30	ELM	L589847
Methyl tert-butyl ether (MTBE)	<0.0007	mg/Kg - dry	0.0007	0.0024	1	12/13/21 14:30	ELM	L589847
m,p-Xylene	<0.0017	mg/Kg - dry	0.0017	0.0049	1	12/13/21 14:30	ELM	L589847
Naphthalene	<0.0078	mg/Kg - dry	0.0078	0.0123	1	12/13/21 14:30	ELM	L589847
o-Xylene	<0.0009	mg/Kg - dry	0.0009	0.0024	1	12/13/21 14:30	ELM	L589847
n-Propyl acetate	<0.0083	mg/Kg - dry	0.0083	0.0123	1	12/13/21 14:30	ELM	L589847
n-Propylbenzene	<0.0007	mg/Kg - dry	0.0007	0.0024	1	12/13/21 14:30	ELM	L589847
Styrene	<0.0014	mg/Kg - dry	0.0014	0.0024	1	12/13/21 14:30	ELM	L589847
1,1,1,2-Tetrachloroethane	<0.0011	mg/Kg - dry	0.0011	0.0024	1	12/13/21 14:30	ELM	L589847
1,1,2,2-Tetrachloroethane	<0.0023	mg/Kg - dry	0.0023	0.0024	1	12/13/21 14:30	ELM	L589847
Tetrachloroethene	<0.0009	mg/Kg - dry	0.0009	0.0024	1	12/13/21 14:30	ELM	L589847
Toluene	<0.0040	mg/Kg - dry	0.0040	0.0049	1	12/13/21 14:30	ELM	L589847
1,2,3-Trichlorobenzene	<0.0024	mg/Kg - dry	0.0024	0.0024	1	12/13/21 14:30	ELM	L589847
1,2,4-Trichlorobenzene	<0.0013	mg/Kg - dry	0.0013	0.0024	1	12/13/21 14:30	ELM	L589847
1,1,1-Trichloroethane	<0.0004	mg/Kg - dry	0.0004	0.0024	1	12/13/21 14:30	ELM	L589847
1,1,2-Trichloroethane	<0.0012	mg/Kg - dry	0.0012	0.0024	1	12/13/21 14:30	ELM	L589847

Qualifiers/ Definitions

*	Outside QC Limit	DF	Dilution Factor
J	Estimated value	MQL	Method Quantitation Limit

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Project Legends Park
Information : Project No. 0888830988

Report Date : 12/14/2021
Received : 12/09/2021

Rebekah Ross
Project Manager

Report Number : **21-343-0097**

REPORT OF ANALYSIS

Lab No : **95556**
Sample ID : **LEGSBO428-32**

Matrix: **Solids**
Sampled: **12/8/2021 9:10**

Analytical Method: 8260B **Prep Batch(es):** **L589843** 12/13/21 08:17
Prep Method: 5035

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Batch
Trichloroethene	<0.0011	mg/Kg - dry	0.0011	0.0024	1	12/13/21 14:30	ELM	L589847
Trichlorofluoromethane	<0.0011	mg/Kg - dry	0.0011	0.0024	1	12/13/21 14:30	ELM	L589847
1,2,3-Trichloropropane	<0.0018	mg/Kg - dry	0.0018	0.0024	1	12/13/21 14:30	ELM	L589847
1,2,4-Trimethylbenzene	<0.0010	mg/Kg - dry	0.0010	0.0024	1	12/13/21 14:30	ELM	L589847
1,3,5-Trimethylbenzene	<0.0011	mg/Kg - dry	0.0011	0.0024	1	12/13/21 14:30	ELM	L589847
Vinyl Acetate	<0.0050	mg/Kg - dry	0.0050	0.0495	1	12/13/21 14:30	ELM	L589847
Vinyl Chloride	<0.0009	mg/Kg - dry	0.0009	0.0024	1	12/13/21 14:30	ELM	L589847
Xylene (Total)	<0.0009	mg/Kg - dry	0.0009	0.0024	1	12/13/21 14:30		L589847
Surrogate: 4-Bromofluorobenzene	85.1		Limits: 60-140%		1	12/13/21 14:30	ELM	L589847
Surrogate: 1,2-Dichloroethane - d4	61.7		Limits: 60-140%		1	12/13/21 14:30	ELM	L589847
Surrogate: Toluene-d8	66.4		Limits: 60-140%		1	12/13/21 14:30	ELM	L589847

Analytical Method: 8270D SIM **Prep Batch(es):** **L589383** 12/10/21 11:13
Prep Method: 3550B

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Batch
Acenaphthene	<0.000371	mg/Kg - dry	0.000371	0.000829	1	12/14/21 01:17	VBW	L589638
Acenaphthylene	<0.000334	mg/Kg - dry	0.000334	0.000829	1	12/14/21 01:17	VBW	L589638
Anthracene	<0.000408	mg/Kg - dry	0.000408	0.000829	1	12/14/21 01:17	VBW	L589638
Benzo(a)anthracene	<0.000507	mg/Kg - dry	0.000507	0.000829	1	12/14/21 01:17	VBW	L589638
Benzo(a)pyrene	<0.000173	mg/Kg - dry	0.000173	0.000829	1	12/14/21 01:17	VBW	L589638
Benzo(b)fluoranthene	<0.000259	mg/Kg - dry	0.000259	0.000829	1	12/14/21 01:17	VBW	L589638
Benzo(g,h,i)perylene	**0.000972**	mg/Kg - dry	0.000507	0.000829	1	12/14/21 01:17	VBW	L589638

Qualifiers/ Definitions
* Outside QC Limit
J Estimated value
DF Dilution Factor
MQL Method Quantitation Limit

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Project Legends Park
Information : Project No. 0888830988

Report Date : 12/14/2021
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Rebekah Ross
Project Manager

Report Number : **21-343-0097**

REPORT OF ANALYSIS

Lab No : **95556**
Sample ID : **LEGSBO428-32**

Matrix: **Solids**
Sampled: **12/8/2021 9:10**

Analytical Method: 8270D SIM **Prep Batch(es):** **L589383** 12/10/21 11:13
Prep Method: 3550B

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Batch
Benzo(k)fluoranthene	<0.000160	mg/Kg - dry	0.000160	0.000829	1	12/14/21 01:17	VBW	L589638
Chrysene	<0.000334	mg/Kg - dry	0.000334	0.000829	1	12/14/21 01:17	VBW	L589638
Dibenz(a,h)anthracene	<0.000445	mg/Kg - dry	0.000445	0.000829	1	12/14/21 01:17	VBW	L589638
Fluoranthene	<0.000482	mg/Kg - dry	0.000482	0.000829	1	12/14/21 01:17	VBW	L589638
Fluorene	<0.000358	mg/Kg - dry	0.000358	0.000829	1	12/14/21 01:17	VBW	L589638
Indeno(1,2,3-cd)pyrene	<0.000358	mg/Kg - dry	0.000358	0.000829	1	12/14/21 01:17	VBW	L589638
2-Methylnaphthalene	<0.000482	mg/Kg - dry	0.000482	0.000829	1	12/14/21 01:17	VBW	L589638
Naphthalene	<0.000577	mg/Kg - dry	0.000577	0.000829	1	12/14/21 01:17	VBW	L589638
Phenanthrene	<0.000519	mg/Kg - dry	0.000519	0.000829	1	12/14/21 01:17	VBW	L589638
Pyrene	<0.000730	mg/Kg - dry	0.000730	0.000829	1	12/14/21 01:17	VBW	L589638
Surrogate: 2-Fluorobiphenyl	59.3	Limits: 33-115%			1	12/14/21 01:17	VBW	L589638
Surrogate: Nitrobenzene-d5	39.5	Limits: 29-110%			1	12/14/21 01:17	VBW	L589638
Surrogate: 4-Terphenyl-d14	65.3	Limits: 33-122%			1	12/14/21 01:17	VBW	L589638

Analytical Method: TN EPH **Prep Batch(es):** **L589313** 12/10/21 09:46
Prep Method: 3550B

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Batch
Diesel Range Organics (C10-C28)	<3.71	mg/Kg - dry	3.71	4.08	1	12/10/21 20:58	MMK	L589528
Oil Range Organics (>C28-C40)	**5.24**	mg/Kg - dry	3.71	4.08	1	12/10/21 20:58	MMK	L589528
TN EPH (C10-C40)	**5.24**	mg/Kg - dry	3.71	4.08	1	12/10/21 20:58		L589528
Surrogate: OTP Surrogate	50.5	Limits: 50-150%			1	12/10/21 20:58	MMK	L589528

Qualifiers/ Definitions

*	Outside QC Limit	DF	Dilution Factor
J	Estimated value	MQL	Method Quantitation Limit

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Project Legends Park

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Report Date : 12/14/2021
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Rebekah Ross
Project Manager

Report Number : **21-343-0097**

REPORT OF ANALYSIS

Lab No : **95557**
Sample ID : **LEGSBO516-20**

Matrix: **Solids**
Sampled: **12/8/2021 10:05**

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Method
Moisture	**21.7**	%			1	12/10/21 13:21	FMM	SW-DRYWT

Qualifiers/ Definitions				
	*	Outside QC Limit	DF	Dilution Factor
	J	Estimated value	L	Limit Exceeded
	MQL	Method Quantitation Limit		

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Rebekah Ross
Project Manager

Report Number : **21-343-0097**

REPORT OF ANALYSIS

Lab No : **95557**
Sample ID : **LEGSBO516-20**

Matrix: **Solids**
Sampled: **12/8/2021 10:05**

Analytical Method: 8260B **Prep Batch(es):** **L589843** 12/13/21 08:17
Prep Method: 5035

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Batch
Acetone	**0.161**	mg/Kg - dry	0.0055	0.0510	1	12/13/21 15:03	ELM	L589847
Acetonitrile	<0.0666	mg/Kg - dry	0.0666	0.255	1	12/13/21 15:03	ELM	L589847
Acrolein	<0.0105	mg/Kg - dry	0.0105	0.0510	1	12/13/21 15:03	ELM	L589847
Acrylonitrile	<0.0048	mg/Kg - dry	0.0048	0.0510	1	12/13/21 15:03	ELM	L589847
Benzene	**0.0234**	mg/Kg - dry	0.0004	0.0025	1	12/13/21 15:03	ELM	L589847
Bromobenzene	<0.0009	mg/Kg - dry	0.0009	0.0025	1	12/13/21 15:03	ELM	L589847
Bromochloromethane	<0.0005	mg/Kg - dry	0.0005	0.0025	1	12/13/21 15:03	ELM	L589847
Bromodichloromethane	<0.0009	mg/Kg - dry	0.0009	0.0025	1	12/13/21 15:03	ELM	L589847
Bromoform	<0.0016	mg/Kg - dry	0.0016	0.0025	1	12/13/21 15:03	ELM	L589847
Bromomethane	<0.0020	mg/Kg - dry	0.0020	0.0025	1	12/13/21 15:03	ELM	L589847
Methyl Ethyl Ketone (MEK)	**0.0272 J**	mg/Kg - dry	0.0048	0.0510	1	12/13/21 15:03	ELM	L589847
n-Butylbenzene	**0.0026**	mg/Kg - dry	0.0012	0.0025	1	12/13/21 15:03	ELM	L589847
sec-Butyl benzene	<0.0012	mg/Kg - dry	0.0012	0.0025	1	12/13/21 15:03	ELM	L589847
tert-Butyl benzene	<0.0009	mg/Kg - dry	0.0009	0.0025	1	12/13/21 15:03	ELM	L589847
Carbon Disulfide	<0.0036	mg/Kg - dry	0.0036	0.0127	1	12/13/21 15:03	ELM	L589847
Carbon Tetrachloride	<0.0005	mg/Kg - dry	0.0005	0.0025	1	12/13/21 15:03	ELM	L589847
Chlorobenzene	<0.0009	mg/Kg - dry	0.0009	0.0025	1	12/13/21 15:03	ELM	L589847
Chlorodibromomethane	<0.0013	mg/Kg - dry	0.0013	0.0025	1	12/13/21 15:03	ELM	L589847
Chloroethane	<0.0010	mg/Kg - dry	0.0010	0.0025	1	12/13/21 15:03	ELM	L589847
Chloroform	<0.0006	mg/Kg - dry	0.0006	0.0025	1	12/13/21 15:03	ELM	L589847
Chloromethane	<0.0009	mg/Kg - dry	0.0009	0.0025	1	12/13/21 15:03	ELM	L589847
2-Chlorotoluene	<0.0012	mg/Kg - dry	0.0012	0.0025	1	12/13/21 15:03	ELM	L589847

Qualifiers/ Definitions

*	Outside QC Limit	DF	Dilution Factor
J	Estimated value	MQL	Method Quantitation Limit

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Report Date : 12/14/2021
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Rebekah Ross
Project Manager

Report Number : **21-343-0097**

REPORT OF ANALYSIS

Lab No : **95557**
Sample ID : **LEGSBO516-20**

Matrix: **Solids**
Sampled: **12/8/2021 10:05**

Analytical Method: 8260B **Prep Batch(es):** **L589843** 12/13/21 08:17
Prep Method: 5035

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Batch
4-Chlorotoluene	<0.0013	mg/Kg - dry	0.0013	0.0025	1	12/13/21 15:03	ELM	L589847
1,2-Dibromo-3-Chloropropane	<0.0084	mg/Kg - dry	0.0084	0.0127	1	12/13/21 15:03	ELM	L589847
1,2-Dibromoethane	<0.0011	mg/Kg - dry	0.0011	0.0025	1	12/13/21 15:03	ELM	L589847
Dibromomethane	<0.0008	mg/Kg - dry	0.0008	0.0025	1	12/13/21 15:03	ELM	L589847
1,2-Dichlorobenzene	<0.0017	mg/Kg - dry	0.0017	0.0025	1	12/13/21 15:03	ELM	L589847
1,3-Dichlorobenzene	<0.0017	mg/Kg - dry	0.0017	0.0025	1	12/13/21 15:03	ELM	L589847
1,4-Dichlorobenzene	<0.0019	mg/Kg - dry	0.0019	0.0025	1	12/13/21 15:03	ELM	L589847
Dichlorodifluoromethane	<0.0024	mg/Kg - dry	0.0024	0.0025	1	12/13/21 15:03	ELM	L589847
1,1-Dichloroethane	<0.0004	mg/Kg - dry	0.0004	0.0025	1	12/13/21 15:03	ELM	L589847
1,2-Dichloroethane	<0.0005	mg/Kg - dry	0.0005	0.0025	1	12/13/21 15:03	ELM	L589847
1,1-Dichloroethene	<0.0007	mg/Kg - dry	0.0007	0.0025	1	12/13/21 15:03	ELM	L589847
cis-1,2-Dichloroethene	<0.0006	mg/Kg - dry	0.0006	0.0025	1	12/13/21 15:03	ELM	L589847
trans-1,2-Dichloroethene	<0.0003	mg/Kg - dry	0.0003	0.0025	1	12/13/21 15:03	ELM	L589847
1,2-Dichloroethene (Total)	<0.0003	mg/Kg - dry	0.0003	0.0025	1	12/13/21 15:03		L589847
1,2-Dichloropropane	<0.0008	mg/Kg - dry	0.0008	0.0025	1	12/13/21 15:03	ELM	L589847
1,3-Dichloropropane	<0.0011	mg/Kg - dry	0.0011	0.0025	1	12/13/21 15:03	ELM	L589847
2,2-Dichloropropane	<0.0007	mg/Kg - dry	0.0007	0.0025	1	12/13/21 15:03	ELM	L589847
1,1-Dichloropropene	<0.0004	mg/Kg - dry	0.0004	0.0025	1	12/13/21 15:03	ELM	L589847
cis-1,3-Dichloropropene	<0.0009	mg/Kg - dry	0.0009	0.0025	1	12/13/21 15:03	ELM	L589847
trans-1,3-Dichloropropene	<0.0009	mg/Kg - dry	0.0009	0.0025	1	12/13/21 15:03	ELM	L589847
Ethyl Acetate	<0.0077	mg/Kg - dry	0.0077	0.0510	1	12/13/21 15:03	ELM	L589847
Ethylbenzene	**0.0277**	mg/Kg - dry	0.0008	0.0025	1	12/13/21 15:03	ELM	L589847

Qualifiers/ Definitions

*	Outside QC Limit	DF	Dilution Factor
J	Estimated value	MQL	Method Quantitation Limit

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Project Legends Park

Information : Project No. 0888830988

Report Date : 12/14/2021
Received : 12/09/2021

Rebekah Ross
Project Manager

Report Number : **21-343-0097**

REPORT OF ANALYSIS

Lab No : **95557**
Sample ID : **LEGSBO516-20**

Matrix: **Solids**
Sampled: **12/8/2021 10:05**

Analytical Method: 8260B **Prep Batch(es):** **L589843** 12/13/21 08:17
Prep Method: 5035

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Batch
Hexachlorobutadiene	<0.0011	mg/Kg - dry	0.0011	0.0025	1	12/13/21 15:03	ELM	L589847
2-Hexanone	<0.0076	mg/Kg - dry	0.0076	0.0127	1	12/13/21 15:03	ELM	L589847
Iodomethane	<0.0058	mg/Kg - dry	0.0058	0.0127	1	12/13/21 15:03	ELM	L589847
Isopropylbenzene	**0.0027**	mg/Kg - dry	0.0009	0.0025	1	12/13/21 15:03	ELM	L589847
4-Isopropyl toluene	<0.0012	mg/Kg - dry	0.0012	0.0025	1	12/13/21 15:03	ELM	L589847
4-Methyl-2-Pentanone	<0.0074	mg/Kg - dry	0.0074	0.0127	1	12/13/21 15:03	ELM	L589847
Methylene Chloride	<0.0035	mg/Kg - dry	0.0035	0.0127	1	12/13/21 15:03	ELM	L589847
Methyl tert-butyl ether (MTBE)	<0.0007	mg/Kg - dry	0.0007	0.0025	1	12/13/21 15:03	ELM	L589847
m,p-Xylene	**0.0319**	mg/Kg - dry	0.0018	0.0051	1	12/13/21 15:03	ELM	L589847
Naphthalene	<0.0080	mg/Kg - dry	0.0080	0.0127	1	12/13/21 15:03	ELM	L589847
o-Xylene	**0.0128**	mg/Kg - dry	0.0009	0.0025	1	12/13/21 15:03	ELM	L589847
n-Propyl acetate	<0.0086	mg/Kg - dry	0.0086	0.0127	1	12/13/21 15:03	ELM	L589847
n-Propylbenzene	<0.0008	mg/Kg - dry	0.0008	0.0025	1	12/13/21 15:03	ELM	L589847
Styrene	<0.0014	mg/Kg - dry	0.0014	0.0025	1	12/13/21 15:03	ELM	L589847
1,1,1,2-Tetrachloroethane	<0.0011	mg/Kg - dry	0.0011	0.0025	1	12/13/21 15:03	ELM	L589847
1,1,2,2-Tetrachloroethane	<0.0023	mg/Kg - dry	0.0023	0.0025	1	12/13/21 15:03	ELM	L589847
Tetrachloroethene	<0.0010	mg/Kg - dry	0.0010	0.0025	1	12/13/21 15:03	ELM	L589847
Toluene	**0.0618**	mg/Kg - dry	0.0041	0.0051	1	12/13/21 15:03	ELM	L589847
1,2,3-Trichlorobenzene	<0.0025	mg/Kg - dry	0.0025	0.0025	1	12/13/21 15:03	ELM	L589847
1,2,4-Trichlorobenzene	<0.0014	mg/Kg - dry	0.0014	0.0025	1	12/13/21 15:03	ELM	L589847
1,1,1-Trichloroethane	<0.0004	mg/Kg - dry	0.0004	0.0025	1	12/13/21 15:03	ELM	L589847
1,1,2-Trichloroethane	<0.0013	mg/Kg - dry	0.0013	0.0025	1	12/13/21 15:03	ELM	L589847

Qualifiers/ Definitions

*	Outside QC Limit	DF	Dilution Factor
J	Estimated value	MQL	Method Quantitation Limit

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Project Legends Park
Information : Project No. 0888830988

Report Date : 12/14/2021
Received : 12/09/2021

Report Number : **21-343-0097**

REPORT OF ANALYSIS

Rebekah Ross
Project Manager

Lab No : **95557**
Sample ID : **LEGSBO516-20**

Matrix: **Solids**
Sampled: **12/8/2021 10:05**

Analytical Method: 8260B **Prep Batch(es):** **L589843** 12/13/21 08:17
Prep Method: 5035

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Batch
Trichloroethene	<0.0011	mg/Kg - dry	0.0011	0.0025	1	12/13/21 15:03	ELM	L589847
Trichlorofluoromethane	<0.0011	mg/Kg - dry	0.0011	0.0025	1	12/13/21 15:03	ELM	L589847
1,2,3-Trichloropropane	<0.0019	mg/Kg - dry	0.0019	0.0025	1	12/13/21 15:03	ELM	L589847
1,2,4-Trimethylbenzene	**0.0154**	mg/Kg - dry	0.0010	0.0025	1	12/13/21 15:03	ELM	L589847
1,3,5-Trimethylbenzene	<0.0011	mg/Kg - dry	0.0011	0.0025	1	12/13/21 15:03	ELM	L589847
Vinyl Acetate	<0.0051	mg/Kg - dry	0.0051	0.0510	1	12/13/21 15:03	ELM	L589847
Vinyl Chloride	<0.0009	mg/Kg - dry	0.0009	0.0025	1	12/13/21 15:03	ELM	L589847
Xylene (Total)	**0.0448**	mg/Kg - dry	0.0009	0.0025	1	12/13/21 15:03		L589847
Surrogate: 4-Bromofluorobenzene	97.1		Limits: 60-140%		1	12/13/21 15:03	ELM	L589847
Surrogate: 1,2-Dichloroethane - d4	92.9		Limits: 60-140%		1	12/13/21 15:03	ELM	L589847
Surrogate: Toluene-d8	97.9		Limits: 60-140%		1	12/13/21 15:03	ELM	L589847

Analytical Method: 8270D SIM **Prep Batch(es):** **L589383** 12/10/21 11:13
Prep Method: 3550B

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Batch
Acenaphthene	<0.000383	mg/Kg - dry	0.000383	0.000855	1	12/14/21 01:33	VBW	L589638
Acenaphthylene	<0.000344	mg/Kg - dry	0.000344	0.000855	1	12/14/21 01:33	VBW	L589638
Anthracene	<0.000421	mg/Kg - dry	0.000421	0.000855	1	12/14/21 01:33	VBW	L589638
Benzo(a)anthracene	<0.000523	mg/Kg - dry	0.000523	0.000855	1	12/14/21 01:33	VBW	L589638
Benzo(a)pyrene	<0.000178	mg/Kg - dry	0.000178	0.000855	1	12/14/21 01:33	VBW	L589638
Benzo(b)fluoranthene	<0.000268	mg/Kg - dry	0.000268	0.000855	1	12/14/21 01:33	VBW	L589638
Benzo(g,h,i)perylene	**0.000882**	mg/Kg - dry	0.000523	0.000855	1	12/14/21 01:33	VBW	L589638

Qualifiers/ Definitions
* Outside QC Limit
J Estimated value
DF Dilution Factor
MQL Method Quantitation Limit

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Report Date : 12/14/2021
Received : 12/09/2021

Rebekah Ross
Project Manager

Report Number : **21-343-0097**

REPORT OF ANALYSIS

Lab No : **95557**
Sample ID : **LEGSBO516-20**

Matrix: **Solids**
Sampled: **12/8/2021 10:05**

Analytical Method: 8270D SIM **Prep Batch(es):** **L589383** 12/10/21 11:13
Prep Method: 3550B

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Batch
Benzo(k)fluoranthene	<0.000166	mg/Kg - dry	0.000166	0.000855	1	12/14/21 01:33	VBW	L589638
Chrysene	<0.000344	mg/Kg - dry	0.000344	0.000855	1	12/14/21 01:33	VBW	L589638
Dibenz(a,h)anthracene	<0.000459	mg/Kg - dry	0.000459	0.000855	1	12/14/21 01:33	VBW	L589638
Fluoranthene	<0.000498	mg/Kg - dry	0.000498	0.000855	1	12/14/21 01:33	VBW	L589638
Fluorene	<0.000370	mg/Kg - dry	0.000370	0.000855	1	12/14/21 01:33	VBW	L589638
Indeno(1,2,3-cd)pyrene	<0.000370	mg/Kg - dry	0.000370	0.000855	1	12/14/21 01:33	VBW	L589638
2-Methylnaphthalene	<0.000498	mg/Kg - dry	0.000498	0.000855	1	12/14/21 01:33	VBW	L589638
Naphthalene	<0.000596	mg/Kg - dry	0.000596	0.000855	1	12/14/21 01:33	VBW	L589638
Phenanthrene	<0.000536	mg/Kg - dry	0.000536	0.000855	1	12/14/21 01:33	VBW	L589638
Pyrene	<0.000753	mg/Kg - dry	0.000753	0.000855	1	12/14/21 01:33	VBW	L589638
Surrogate: 2-Fluorobiphenyl	54.7	Limits: 33-115%			1	12/14/21 01:33	VBW	L589638
Surrogate: Nitrobenzene-d5	36.8	Limits: 29-110%			1	12/14/21 01:33	VBW	L589638
Surrogate: 4-Terphenyl-d14	67.2	Limits: 33-122%			1	12/14/21 01:33	VBW	L589638

Analytical Method: TN EPH **Prep Batch(es):** **L589313** 12/10/21 09:46
Prep Method: 3550B

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Batch
Diesel Range Organics (C10-C28)	<3.83	mg/Kg - dry	3.83	4.21	1	12/10/21 21:17	MMK	L589528
Oil Range Organics (>C28-C40)	<3.83	mg/Kg - dry	3.83	4.21	1	12/10/21 21:17	MMK	L589528
TN EPH (C10-C40)	<3.83	mg/Kg - dry	3.83	4.21	1	12/10/21 21:17		L589528
Surrogate: OTP Surrogate	**48.6 ***	Limits: 50-150%			1	12/10/21 21:17	MMK	L589528

Qualifiers/ Definitions

*	Outside QC Limit	DF	Dilution Factor
J	Estimated value	MQL	Method Quantitation Limit

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Project Legends Park
Information : Project No. 0888830988

Report Date : 12/14/2021
Received : 12/09/2021

Report Number : **21-343-0097**

REPORT OF ANALYSIS

Rebekah Ross
Project Manager

Lab No : **95558**
Sample ID : **LEGSBO528-32**

Matrix: **Solids**
Sampled: **12/8/2021 10:15**

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Method
Moisture	**19.4**	%			1	12/10/21 13:21	FMM	SW-DRYWT

Qualifiers/ Definitions

*	Outside QC Limit	DF	Dilution Factor
J	Estimated value	L	Limit Exceeded
MQL	Method Quantitation Limit		

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Report Date : 12/14/2021
Received : 12/09/2021

Rebekah Ross
Project Manager

Report Number : **21-343-0097**

REPORT OF ANALYSIS

Lab No : **95558**
Sample ID : **LEGSBO528-32**

Matrix: **Solids**
Sampled: **12/8/2021 10:15**

Analytical Method: 8260B **Prep Batch(es):** **L589843** 12/13/21 08:17
Prep Method: 5035

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Batch
Acetone	<0.0053	mg/Kg - dry	0.0053	0.0496	1	12/13/21 15:36	ELM	L589847
Acetonitrile	<0.0647	mg/Kg - dry	0.0647	0.248	1	12/13/21 15:36	ELM	L589847
Acrolein	<0.0102	mg/Kg - dry	0.0102	0.0496	1	12/13/21 15:36	ELM	L589847
Acrylonitrile	<0.0047	mg/Kg - dry	0.0047	0.0496	1	12/13/21 15:36	ELM	L589847
Benzene	<0.0004	mg/Kg - dry	0.0004	0.0024	1	12/13/21 15:36	ELM	L589847
Bromobenzene	<0.0009	mg/Kg - dry	0.0009	0.0024	1	12/13/21 15:36	ELM	L589847
Bromochloromethane	<0.0005	mg/Kg - dry	0.0005	0.0024	1	12/13/21 15:36	ELM	L589847
Bromodichloromethane	<0.0009	mg/Kg - dry	0.0009	0.0024	1	12/13/21 15:36	ELM	L589847
Bromoform	<0.0016	mg/Kg - dry	0.0016	0.0024	1	12/13/21 15:36	ELM	L589847
Bromomethane	<0.0019	mg/Kg - dry	0.0019	0.0024	1	12/13/21 15:36	ELM	L589847
Methyl Ethyl Ketone (MEK)	<0.0047	mg/Kg - dry	0.0047	0.0496	1	12/13/21 15:36	ELM	L589847
n-Butylbenzene	<0.0011	mg/Kg - dry	0.0011	0.0024	1	12/13/21 15:36	ELM	L589847
sec-Butyl benzene	<0.0011	mg/Kg - dry	0.0011	0.0024	1	12/13/21 15:36	ELM	L589847
tert-Butyl benzene	<0.0009	mg/Kg - dry	0.0009	0.0024	1	12/13/21 15:36	ELM	L589847
Carbon Disulfide	<0.0035	mg/Kg - dry	0.0035	0.0124	1	12/13/21 15:36	ELM	L589847
Carbon Tetrachloride	<0.0005	mg/Kg - dry	0.0005	0.0024	1	12/13/21 15:36	ELM	L589847
Chlorobenzene	<0.0009	mg/Kg - dry	0.0009	0.0024	1	12/13/21 15:36	ELM	L589847
Chlorodibromomethane	<0.0013	mg/Kg - dry	0.0013	0.0024	1	12/13/21 15:36	ELM	L589847
Chloroethane	<0.0010	mg/Kg - dry	0.0010	0.0024	1	12/13/21 15:36	ELM	L589847
Chloroform	<0.0006	mg/Kg - dry	0.0006	0.0024	1	12/13/21 15:36	ELM	L589847
Chloromethane	<0.0008	mg/Kg - dry	0.0008	0.0024	1	12/13/21 15:36	ELM	L589847
2-Chlorotoluene	<0.0012	mg/Kg - dry	0.0012	0.0024	1	12/13/21 15:36	ELM	L589847

Qualifiers/ Definitions

*	Outside QC Limit	DF	Dilution Factor
J	Estimated value	MQL	Method Quantitation Limit

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Project Legends Park
Information : Project No. 0888830988

Report Date : 12/14/2021
Received : 12/09/2021

Rebekah Ross
Project Manager

Report Number : **21-343-0097**

REPORT OF ANALYSIS

Lab No : **95558**
Sample ID : **LEGSBO528-32**

Matrix: **Solids**
Sampled: **12/8/2021 10:15**

Analytical Method: 8260B **Prep Batch(es):** **L589843** 12/13/21 08:17
Prep Method: 5035

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Batch
4-Chlorotoluene	<0.0013	mg/Kg - dry	0.0013	0.0024	1	12/13/21 15:36	ELM	L589847
1,2-Dibromo-3-Chloropropane	<0.0081	mg/Kg - dry	0.0081	0.0124	1	12/13/21 15:36	ELM	L589847
1,2-Dibromoethane	<0.0011	mg/Kg - dry	0.0011	0.0024	1	12/13/21 15:36	ELM	L589847
Dibromomethane	<0.0008	mg/Kg - dry	0.0008	0.0024	1	12/13/21 15:36	ELM	L589847
1,2-Dichlorobenzene	<0.0017	mg/Kg - dry	0.0017	0.0024	1	12/13/21 15:36	ELM	L589847
1,3-Dichlorobenzene	<0.0016	mg/Kg - dry	0.0016	0.0024	1	12/13/21 15:36	ELM	L589847
1,4-Dichlorobenzene	<0.0018	mg/Kg - dry	0.0018	0.0024	1	12/13/21 15:36	ELM	L589847
Dichlorodifluoromethane	<0.0023	mg/Kg - dry	0.0023	0.0024	1	12/13/21 15:36	ELM	L589847
1,1-Dichloroethane	<0.0004	mg/Kg - dry	0.0004	0.0024	1	12/13/21 15:36	ELM	L589847
1,2-Dichloroethane	<0.0005	mg/Kg - dry	0.0005	0.0024	1	12/13/21 15:36	ELM	L589847
1,1-Dichloroethene	<0.0007	mg/Kg - dry	0.0007	0.0024	1	12/13/21 15:36	ELM	L589847
cis-1,2-Dichloroethene	<0.0006	mg/Kg - dry	0.0006	0.0024	1	12/13/21 15:36	ELM	L589847
trans-1,2-Dichloroethene	<0.0003	mg/Kg - dry	0.0003	0.0024	1	12/13/21 15:36	ELM	L589847
1,2-Dichloroethene (Total)	<0.0003	mg/Kg - dry	0.0003	0.0024	1	12/13/21 15:36		L589847
1,2-Dichloropropane	<0.0008	mg/Kg - dry	0.0008	0.0024	1	12/13/21 15:36	ELM	L589847
1,3-Dichloropropane	<0.0011	mg/Kg - dry	0.0011	0.0024	1	12/13/21 15:36	ELM	L589847
2,2-Dichloropropane	<0.0007	mg/Kg - dry	0.0007	0.0024	1	12/13/21 15:36	ELM	L589847
1,1-Dichloropropene	<0.0004	mg/Kg - dry	0.0004	0.0024	1	12/13/21 15:36	ELM	L589847
cis-1,3-Dichloropropene	<0.0009	mg/Kg - dry	0.0009	0.0024	1	12/13/21 15:36	ELM	L589847
trans-1,3-Dichloropropene	<0.0009	mg/Kg - dry	0.0009	0.0024	1	12/13/21 15:36	ELM	L589847
Ethyl Acetate	<0.0075	mg/Kg - dry	0.0075	0.0496	1	12/13/21 15:36	ELM	L589847
Ethylbenzene	<0.0007	mg/Kg - dry	0.0007	0.0024	1	12/13/21 15:36	ELM	L589847

Qualifiers/ Definitions

*	Outside QC Limit	DF	Dilution Factor
J	Estimated value	MQL	Method Quantitation Limit

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Project Legends Park
Information : Project No. 0888830988

Report Date : 12/14/2021
Received : 12/09/2021

Rebekah Ross
Project Manager

Report Number : **21-343-0097**

REPORT OF ANALYSIS

Lab No : **95558**
Sample ID : **LEGSBO528-32**

Matrix: **Solids**
Sampled: **12/8/2021 10:15**

Analytical Method: 8260B **Prep Batch(es):** **L589843** 12/13/21 08:17
Prep Method: 5035

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Batch
Hexachlorobutadiene	<0.0011	mg/Kg - dry	0.0011	0.0024	1	12/13/21 15:36	ELM	L589847
2-Hexanone	<0.0074	mg/Kg - dry	0.0074	0.0124	1	12/13/21 15:36	ELM	L589847
Iodomethane	<0.0056	mg/Kg - dry	0.0056	0.0124	1	12/13/21 15:36	ELM	L589847
Isopropylbenzene	<0.0009	mg/Kg - dry	0.0009	0.0024	1	12/13/21 15:36	ELM	L589847
4-Isopropyl toluene	<0.0012	mg/Kg - dry	0.0012	0.0024	1	12/13/21 15:36	ELM	L589847
4-Methyl-2-Pentanone	<0.0072	mg/Kg - dry	0.0072	0.0124	1	12/13/21 15:36	ELM	L589847
Methylene Chloride	<0.0034	mg/Kg - dry	0.0034	0.0124	1	12/13/21 15:36	ELM	L589847
Methyl tert-butyl ether (MTBE)	<0.0007	mg/Kg - dry	0.0007	0.0024	1	12/13/21 15:36	ELM	L589847
m,p-Xylene	<0.0017	mg/Kg - dry	0.0017	0.0049	1	12/13/21 15:36	ELM	L589847
Naphthalene	<0.0078	mg/Kg - dry	0.0078	0.0124	1	12/13/21 15:36	ELM	L589847
o-Xylene	<0.0009	mg/Kg - dry	0.0009	0.0024	1	12/13/21 15:36	ELM	L589847
n-Propyl acetate	<0.0084	mg/Kg - dry	0.0084	0.0124	1	12/13/21 15:36	ELM	L589847
n-Propylbenzene	<0.0007	mg/Kg - dry	0.0007	0.0024	1	12/13/21 15:36	ELM	L589847
Styrene	<0.0014	mg/Kg - dry	0.0014	0.0024	1	12/13/21 15:36	ELM	L589847
1,1,1,2-Tetrachloroethane	<0.0011	mg/Kg - dry	0.0011	0.0024	1	12/13/21 15:36	ELM	L589847
1,1,2,2-Tetrachloroethane	<0.0023	mg/Kg - dry	0.0023	0.0024	1	12/13/21 15:36	ELM	L589847
Tetrachloroethene	<0.0009	mg/Kg - dry	0.0009	0.0024	1	12/13/21 15:36	ELM	L589847
Toluene	<0.0040	mg/Kg - dry	0.0040	0.0049	1	12/13/21 15:36	ELM	L589847
1,2,3-Trichlorobenzene	<0.0024	mg/Kg - dry	0.0024	0.0024	1	12/13/21 15:36	ELM	L589847
1,2,4-Trichlorobenzene	<0.0014	mg/Kg - dry	0.0014	0.0024	1	12/13/21 15:36	ELM	L589847
1,1,1-Trichloroethane	<0.0004	mg/Kg - dry	0.0004	0.0024	1	12/13/21 15:36	ELM	L589847
1,1,2-Trichloroethane	<0.0012	mg/Kg - dry	0.0012	0.0024	1	12/13/21 15:36	ELM	L589847

Qualifiers/ Definitions

*	Outside QC Limit	DF	Dilution Factor
J	Estimated value	MQL	Method Quantitation Limit

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Allison Harris
5724 Summer Tree Drive
Memphis , TN 38134

Project Legends Park
Information : Project No. 0888830988

Report Date : 12/14/2021
Received : 12/09/2021

Rebekah Ross
Project Manager

Report Number : **21-343-0097**

REPORT OF ANALYSIS

Lab No : **95558**
Sample ID : **LEGSBO528-32**

Matrix: **Solids**
Sampled: **12/8/2021 10:15**

Analytical Method: 8260B **Prep Batch(es):** **L589843** 12/13/21 08:17
Prep Method: 5035

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Batch
Trichloroethene	<0.0011	mg/Kg - dry	0.0011	0.0024	1	12/13/21 15:36	ELM	L589847
Trichlorofluoromethane	<0.0011	mg/Kg - dry	0.0011	0.0024	1	12/13/21 15:36	ELM	L589847
1,2,3-Trichloropropane	<0.0018	mg/Kg - dry	0.0018	0.0024	1	12/13/21 15:36	ELM	L589847
1,2,4-Trimethylbenzene	<0.0010	mg/Kg - dry	0.0010	0.0024	1	12/13/21 15:36	ELM	L589847
1,3,5-Trimethylbenzene	<0.0011	mg/Kg - dry	0.0011	0.0024	1	12/13/21 15:36	ELM	L589847
Vinyl Acetate	<0.0050	mg/Kg - dry	0.0050	0.0496	1	12/13/21 15:36	ELM	L589847
Vinyl Chloride	<0.0009	mg/Kg - dry	0.0009	0.0024	1	12/13/21 15:36	ELM	L589847
Xylene (Total)	<0.0009	mg/Kg - dry	0.0009	0.0024	1	12/13/21 15:36		L589847
Surrogate: 4-Bromofluorobenzene	110		Limits: 60-140%		1	12/13/21 15:36	ELM	L589847
Surrogate: 1,2-Dichloroethane - d4	87.9		Limits: 60-140%		1	12/13/21 15:36	ELM	L589847
Surrogate: Toluene-d8	89.8		Limits: 60-140%		1	12/13/21 15:36	ELM	L589847

Analytical Method: 8270D SIM **Prep Batch(es):** **L589383** 12/10/21 11:13
Prep Method: 3550B

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Batch
Acenaphthene	<0.000372	mg/Kg - dry	0.000372	0.000831	1	12/14/21 01:49	VBW	L589638
Acenaphthylene	<0.000334	mg/Kg - dry	0.000334	0.000831	1	12/14/21 01:49	VBW	L589638
Anthracene	<0.000409	mg/Kg - dry	0.000409	0.000831	1	12/14/21 01:49	VBW	L589638
Benzo(a)anthracene	<0.000508	mg/Kg - dry	0.000508	0.000831	1	12/14/21 01:49	VBW	L589638
Benzo(a)pyrene	<0.000173	mg/Kg - dry	0.000173	0.000831	1	12/14/21 01:49	VBW	L589638
Benzo(b)fluoranthene	<0.000260	mg/Kg - dry	0.000260	0.000831	1	12/14/21 01:49	VBW	L589638
Benzo(g,h,i)perylene	**0.000609 J**	mg/Kg - dry	0.000508	0.000831	1	12/14/21 01:49	VBW	L589638

Qualifiers/ Definitions
* Outside QC Limit
J Estimated value
DF Dilution Factor
MQL Method Quantitation Limit

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Memphis , TN 38134

Project Legends Park
Information : Project No. 0888830988

Report Date : 12/14/2021
Received : 12/09/2021

Rebekah Ross
Project Manager

Report Number : **21-343-0097**

REPORT OF ANALYSIS

Lab No : **95558**
Sample ID : **LEGSBO528-32**

Matrix: **Solids**
Sampled: **12/8/2021 10:15**

Analytical Method: 8270D SIM **Prep Batch(es):** **L589383** 12/10/21 11:13
Prep Method: 3550B

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Batch
Benzo(k)fluoranthene	<0.000161	mg/Kg - dry	0.000161	0.000831	1	12/14/21 01:49	VBW	L589638
Chrysene	<0.000334	mg/Kg - dry	0.000334	0.000831	1	12/14/21 01:49	VBW	L589638
Dibenz(a,h)anthracene	<0.000446	mg/Kg - dry	0.000446	0.000831	1	12/14/21 01:49	VBW	L589638
Fluoranthene	<0.000483	mg/Kg - dry	0.000483	0.000831	1	12/14/21 01:49	VBW	L589638
Fluorene	<0.000359	mg/Kg - dry	0.000359	0.000831	1	12/14/21 01:49	VBW	L589638
Indeno(1,2,3-cd)pyrene	<0.000359	mg/Kg - dry	0.000359	0.000831	1	12/14/21 01:49	VBW	L589638
2-Methylnaphthalene	<0.000483	mg/Kg - dry	0.000483	0.000831	1	12/14/21 01:49	VBW	L589638
Naphthalene	<0.000579	mg/Kg - dry	0.000579	0.000831	1	12/14/21 01:49	VBW	L589638
Phenanthrene	<0.000521	mg/Kg - dry	0.000521	0.000831	1	12/14/21 01:49	VBW	L589638
Pyrene	<0.000732	mg/Kg - dry	0.000732	0.000831	1	12/14/21 01:49	VBW	L589638
Surrogate: 2-Fluorobiphenyl	62.3		Limits: 33-115%		1	12/14/21 01:49	VBW	L589638
Surrogate: Nitrobenzene-d5	41.9		Limits: 29-110%		1	12/14/21 01:49	VBW	L589638
Surrogate: 4-Terphenyl-d14	70.5		Limits: 33-122%		1	12/14/21 01:49	VBW	L589638

Analytical Method: TN EPH **Prep Batch(es):** **L589313** 12/10/21 09:46
Prep Method: 3550B

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Batch
Diesel Range Organics (C10-C28)	<3.72	mg/Kg - dry	3.72	4.09	1	12/13/21 15:12	MMK	L589528
Oil Range Organics (>C28-C40)	<3.72	mg/Kg - dry	3.72	4.09	1	12/13/21 15:12	MMK	L589528
TN EPH (C10-C40)	<3.72	mg/Kg - dry	3.72	4.09	1	12/13/21 15:12		L589528
Surrogate: OTP Surrogate	**40.8 ***		Limits: 50-150%		1	12/13/21 15:12	MMK	L589528

Qualifiers/ Definitions
* Outside QC Limit
J Estimated value
DF Dilution Factor
MQL Method Quantitation Limit

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Quality Control Data

Client ID: Ensafe
Project Description: Legends Park
Report No: 21-343-0097

QC Prep: L589843
QC Prep Batch Method: 5035
QC Analytical Batch(es): L589847
Analysis Method: 8260B
Analysis Description: Volatile Organic Compounds - GC/MS

Lab Reagent Blank LRB-L589843 Matrix: SOL
Associated Lab Samples: 95549, 95550, 95551, 95552, 95553, 95554, 95555, 95556, 95557, 95558

Parameter	Units	Blank Result	MDL	MQL	Analyzed	% Recovery	% Rec Limits
Acetone	mg/Kg	<0.0043	0.0043	0.0400	12/13/21 10:39		
Acetonitrile	mg/Kg	<0.0522	0.0522	0.200	12/13/21 10:39		
Acrolein	mg/Kg	<0.0082	0.0082	0.0400	12/13/21 10:39		
Acrylonitrile	mg/Kg	<0.0037	0.0037	0.0400	12/13/21 10:39		
Benzene	mg/Kg	<0.0003	0.0003	0.0020	12/13/21 10:39		
Bromobenzene	mg/Kg	<0.0007	0.0007	0.0020	12/13/21 10:39		
Bromochloromethane	mg/Kg	<0.0004	0.0004	0.0020	12/13/21 10:39		
Bromodichloromethane	mg/Kg	<0.0007	0.0007	0.0020	12/13/21 10:39		
Bromoform	mg/Kg	<0.0013	0.0013	0.0020	12/13/21 10:39		
Bromomethane	mg/Kg	<0.0016	0.0016	0.0020	12/13/21 10:39		
Methyl Ethyl Ketone (MEK)	mg/Kg	<0.0038	0.0038	0.0400	12/13/21 10:39		
n-Butylbenzene	mg/Kg	<0.0009	0.0009	0.0020	12/13/21 10:39		
sec-Butyl benzene	mg/Kg	<0.0009	0.0009	0.0020	12/13/21 10:39		
tert-Butyl benzene	mg/Kg	<0.0007	0.0007	0.0020	12/13/21 10:39		
Carbon Disulfide	mg/Kg	<0.0028	0.0028	0.0100	12/13/21 10:39		
Carbon Tetrachloride	mg/Kg	<0.0004	0.0004	0.0020	12/13/21 10:39		
Chlorobenzene	mg/Kg	<0.0007	0.0007	0.0020	12/13/21 10:39		
Chlorodibromomethane	mg/Kg	<0.0010	0.0010	0.0020	12/13/21 10:39		
Chloroethane	mg/Kg	<0.0008	0.0008	0.0020	12/13/21 10:39		
Chloroform	mg/Kg	<0.0005	0.0005	0.0020	12/13/21 10:39		
Chloromethane	mg/Kg	<0.0007	0.0007	0.0020	12/13/21 10:39		
2-Chlorotoluene	mg/Kg	<0.0009	0.0009	0.0020	12/13/21 10:39		
4-Chlorotoluene	mg/Kg	<0.0010	0.0010	0.0020	12/13/21 10:39		
1,2-Dibromo-3-Chloropropane	mg/Kg	<0.0065	0.0065	0.0100	12/13/21 10:39		
1,2-Dibromoethane	mg/Kg	<0.0009	0.0009	0.0020	12/13/21 10:39		
Dibromomethane	mg/Kg	<0.0006	0.0006	0.0020	12/13/21 10:39		
1,2-Dichlorobenzene	mg/Kg	<0.0014	0.0014	0.0020	12/13/21 10:39		

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Quality Control Data

Client ID: Ensafe
Project Description: Legends Park
Report No: 21-343-0097

QC Prep: L589843
QC Prep Batch Method: 5035
QC Analytical Batch(es): L589847
Analysis Method: 8260B
Analysis Description: Volatile Organic Compounds - GC/MS

Lab Reagent Blank LRB-L589843 Matrix: SOL
Associated Lab Samples: 95549, 95550, 95551, 95552, 95553, 95554, 95555, 95556, 95557, 95558

Parameter	Units	Blank Result	MDL	MQL	Analyzed	% Recovery	% Rec Limits
1,3-Dichlorobenzene	mg/Kg	<0.0013	0.0013	0.0020	12/13/21 10:39		
1,4-Dichlorobenzene	mg/Kg	<0.0015	0.0015	0.0020	12/13/21 10:39		
Dichlorodifluoromethane	mg/Kg	<0.0018	0.0018	0.0020	12/13/21 10:39		
1,1-Dichloroethane	mg/Kg	<0.0003	0.0003	0.0020	12/13/21 10:39		
1,2-Dichloroethane	mg/Kg	<0.0004	0.0004	0.0020	12/13/21 10:39		
1,1-Dichloroethene	mg/Kg	<0.0005	0.0005	0.0020	12/13/21 10:39		
cis-1,2-Dichloroethene	mg/Kg	<0.0005	0.0005	0.0020	12/13/21 10:39		
trans-1,2-Dichloroethene	mg/Kg	<0.0002	0.0002	0.0020	12/13/21 10:39		
1,2-Dichloropropane	mg/Kg	<0.0006	0.0006	0.0020	12/13/21 10:39		
1,3-Dichloropropane	mg/Kg	<0.0009	0.0009	0.0020	12/13/21 10:39		
2,2-Dichloropropane	mg/Kg	<0.0005	0.0005	0.0020	12/13/21 10:39		
1,1-Dichloropropene	mg/Kg	<0.0003	0.0003	0.0020	12/13/21 10:39		
cis-1,3-Dichloropropene	mg/Kg	<0.0007	0.0007	0.0020	12/13/21 10:39		
trans-1,3-Dichloropropene	mg/Kg	<0.0007	0.0007	0.0020	12/13/21 10:39		
Ethyl Acetate	mg/Kg	<0.0060	0.0060	0.0400	12/13/21 10:39		
Ethylbenzene	mg/Kg	<0.0006	0.0006	0.0020	12/13/21 10:39		
Hexachlorobutadiene	mg/Kg	<0.0009	0.0009	0.0020	12/13/21 10:39		
2-Hexanone	mg/Kg	<0.0060	0.0060	0.0100	12/13/21 10:39		
Iodomethane	mg/Kg	<0.0045	0.0045	0.0100	12/13/21 10:39		
Isopropylbenzene	mg/Kg	<0.0007	0.0007	0.0020	12/13/21 10:39		
4-Isopropyl toluene	mg/Kg	<0.0009	0.0009	0.0020	12/13/21 10:39		
4-Methyl-2-Pentanone	mg/Kg	<0.0058	0.0058	0.0100	12/13/21 10:39		
Methylene Chloride	mg/Kg	<0.0027	0.0027	0.0100	12/13/21 10:39		
Methyl tert-butyl ether (MTBE)	mg/Kg	<0.0006	0.0006	0.0020	12/13/21 10:39		
m,p-Xylene	mg/Kg	<0.0014	0.0014	0.0040	12/13/21 10:39		
Naphthalene	mg/Kg	<0.0063	0.0063	0.0100	12/13/21 10:39		
o-Xylene	mg/Kg	<0.0007	0.0007	0.0020	12/13/21 10:39		

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Quality Control Data

Client ID: Ensafe
Project Description: Legends Park
Report No: 21-343-0097

QC Prep: L589843
QC Prep Batch Method: 5035
QC Analytical Batch(es): L589847
Analysis Method: 8260B
Analysis Description: Volatile Organic Compounds - GC/MS

Lab Reagent Blank LRB-L589843 Matrix: SOL
Associated Lab Samples: 95549, 95550, 95551, 95552, 95553, 95554, 95555, 95556, 95557, 95558

Parameter	Units	Blank Result	MDL	MQL	Analyzed	% Recovery	% Rec Limits
n-Propyl acetate	mg/Kg	<0.0067	0.0067	0.0100	12/13/21 10:39		
n-Propylbenzene	mg/Kg	<0.0006	0.0006	0.0020	12/13/21 10:39		
Styrene	mg/Kg	<0.0011	0.0011	0.0020	12/13/21 10:39		
1,1,1,2-Tetrachloroethane	mg/Kg	<0.0008	0.0008	0.0020	12/13/21 10:39		
1,1,2,2-Tetrachloroethane	mg/Kg	<0.0018	0.0018	0.0020	12/13/21 10:39		
Tetrachloroethene	mg/Kg	<0.0007	0.0007	0.0020	12/13/21 10:39		
Toluene	mg/Kg	<0.0032	0.0032	0.0040	12/13/21 10:39		
1,2,3-Trichlorobenzene	mg/Kg	<0.0020	0.0020	0.0020	12/13/21 10:39		
1,2,4-Trichlorobenzene	mg/Kg	<0.0011	0.0011	0.0020	12/13/21 10:39		
1,1,1-Trichloroethane	mg/Kg	<0.0003	0.0003	0.0020	12/13/21 10:39		
1,1,2-Trichloroethane	mg/Kg	<0.0010	0.0010	0.0020	12/13/21 10:39		
Trichloroethene	mg/Kg	<0.0009	0.0009	0.0020	12/13/21 10:39		
Trichlorofluoromethane	mg/Kg	<0.0008	0.0008	0.0020	12/13/21 10:39		
1,2,3-Trichloropropane	mg/Kg	<0.0015	0.0015	0.0020	12/13/21 10:39		
1,2,4-Trimethylbenzene	mg/Kg	<0.0008	0.0008	0.0020	12/13/21 10:39		
1,3,5-Trimethylbenzene	mg/Kg	<0.0009	0.0009	0.0020	12/13/21 10:39		
Vinyl Acetate	mg/Kg	<0.0040	0.0040	0.0400	12/13/21 10:39		
Vinyl Chloride	mg/Kg	<0.0007	0.0007	0.0020	12/13/21 10:39		
4-Bromofluorobenzene (S)					12/13/21 10:39	65.7	60-140
1,2-Dichloroethane - d4 (S)					12/13/21 10:39	60.5	60-140
Toluene-d8 (S)					12/13/21 10:39	67.2	60-140

Laboratory Control Sample & LCSD LCS-L589843 LCSD-L589843

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS %Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD
Acetone	mg/Kg	0.100	0.0872	0.0863	87.2	86.3	60-160	1.0	20

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Quality Control Data

Client ID: Ensafe
Project Description: Legends Park
Report No: 21-343-0097

QC Prep: L589843
QC Prep Batch Method: 5035
QC Analytical Batch(es): L589847
Analysis Method: 8260B
Analysis Description: Volatile Organic Compounds - GC/MS

Laboratory Control Sample & LCSD LCS-L589843 LCSD-L589843

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS %Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD
Acetonitrile	mg/Kg	1.00	0.952	0.990	95.2	99.0	40-140	3.9	20
Acrolein	mg/Kg	0.100	0.0915	0.0926	91.5	92.6	40-160	1.1	20
Acrylonitrile	mg/Kg	0.100	0.111	0.106	111	106	50-150	4.6	20
Benzene	mg/Kg	0.100	0.0882	0.0938	88.2	93.8	60-140	6.1	20
Bromobenzene	mg/Kg	0.100	0.0965	0.109	96.5	109	60-140	12.1	20
Bromochloromethane	mg/Kg	0.100	0.112	0.115	112	115	60-140	2.6	20
Bromodichloromethane	mg/Kg	0.100	0.0822	0.0973	82.2	97.3	60-140	16.8	20
Bromoform	mg/Kg	0.100	0.0921	0.104	92.1	104	60-140	12.1	20
Bromomethane	mg/Kg	0.100	0.0903	0.0865	90.3	86.5	40-160	4.2	20
Methyl Ethyl Ketone (MEK)	mg/Kg	0.100	0.0897	0.0989	89.7	98.9	40-160	9.7	20
n-Butylbenzene	mg/Kg	0.100	0.0951	0.117	95.1	117	60-140	20.6*	20
sec-Butyl benzene	mg/Kg	0.100	0.0960	0.107	96.0	107	60-140	10.8	20
tert-Butyl benzene	mg/Kg	0.100	0.105	0.115	105	115	60-140	9.0	20
Carbon Disulfide	mg/Kg	0.100	0.0589	0.0622	58.9	62.2	40-140	5.4	20
Carbon Tetrachloride	mg/Kg	0.100	0.0911	0.0985	91.1	98.5	60-140	7.8	20
Chlorobenzene	mg/Kg	0.100	0.0901	0.0954	90.1	95.4	60-140	5.7	20
Chlorodibromomethane	mg/Kg	0.100	0.0809	0.103	80.9	103	60-140	24.0*	20
Chloroethane	mg/Kg	0.100	0.0893	0.104	89.3	104	40-160	15.2	20
Chloroform	mg/Kg	0.100	0.0867	0.0927	86.7	92.7	60-140	6.6	20
Chloromethane	mg/Kg	0.100	0.0969	0.0922	96.9	92.2	50-150	4.9	20
2-Chlorotoluene	mg/Kg	0.100	0.0914	0.109	91.4	109	60-140	17.5	20
4-Chlorotoluene	mg/Kg	0.100	0.0931	0.107	93.1	107	60-140	13.8	20
1,2-Dibromo-3-Chloropropane	mg/Kg	0.100	0.0922	0.112	92.2	112	50-150	19.3	20
1,2-Dibromoethane	mg/Kg	0.100	0.0814	0.0977	81.4	97.7	60-140	18.2	20
Dibromomethane	mg/Kg	0.100	0.102	0.116	102	116	60-140	12.8	20
1,2-Dichlorobenzene	mg/Kg	0.100	0.103	0.131	103	131	60-140	23.9*	20

* QC Fail

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Quality Control Data

Client ID: Ensafe
Project Description: Legends Park
Report No: 21-343-0097

QC Prep: L589843
QC Prep Batch Method: 5035
QC Analytical Batch(es): L589847
Analysis Method: 8260B
Analysis Description: Volatile Organic Compounds - GC/MS

Laboratory Control Sample & LCSD LCS-L589843 LCSD-L589843

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS %Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD
1,3-Dichlorobenzene	mg/Kg	0.100	0.0916	0.110	91.6	110	60-140	18.2	20
1,4-Dichlorobenzene	mg/Kg	0.100	0.106	0.132	106	132	60-140	21.8*	20
Dichlorodifluoromethane	mg/Kg	0.100	0.0809	0.0774	80.9	77.4	40-140	4.4	20
1,1-Dichloroethane	mg/Kg	0.100	0.0844	0.0944	84.4	94.4	60-140	11.1	20
1,2-Dichloroethane	mg/Kg	0.100	0.0925	0.0971	92.5	97.1	60-140	4.8	20
1,1-Dichloroethene	mg/Kg	0.100	0.0802	0.0802	80.2	80.2	60-140	0.0	20
cis-1,2-Dichloroethene	mg/Kg	0.100	0.0888	0.0954	88.8	95.4	60-140	7.1	20
trans-1,2-Dichloroethene	mg/Kg	0.100	0.0914	0.0957	91.4	95.7	60-140	4.5	20
1,2-Dichloropropane	mg/Kg	0.100	0.0947	0.108	94.7	108	60-140	13.1	20
1,3-Dichloropropane	mg/Kg	0.100	0.0907	0.109	90.7	109	60-140	18.3	20
2,2-Dichloropropane	mg/Kg	0.100	0.0947	0.102	94.7	102	60-140	7.4	20
1,1-Dichloropropene	mg/Kg	0.100	0.0940	0.0999	94.0	99.9	60-140	6.0	20
cis-1,3-Dichloropropene	mg/Kg	0.100	0.0894	0.105	89.4	105	60-140	16.0	20
trans-1,3-Dichloropropene	mg/Kg	0.100	0.0894	0.111	89.4	111	60-140	21.5*	20
Ethyl Acetate	mg/Kg	0.100	0.0876	0.0966	87.6	96.6	60-140	9.7	20
Ethylbenzene	mg/Kg	0.100	0.0968	0.105	96.8	105	60-140	8.1	20
Hexachlorobutadiene	mg/Kg	0.100	0.0927	0.106	92.7	106	40-160	13.3	20
2-Hexanone	mg/Kg	0.100	0.0964	0.118	96.4	118	40-140	20.1*	20
Iodomethane	mg/Kg	0.100	0.0781	0.0814	78.1	81.4	40-160	4.1	20
Isopropylbenzene	mg/Kg	0.100	0.0956	0.106	95.6	106	60-140	10.3	20
4-Isopropyl toluene	mg/Kg	0.100	0.0976	0.108	97.6	108	60-140	10.1	20
4-Methyl-2-Pentanone	mg/Kg	0.100	0.0973	0.117	97.3	117	40-140	18.3	20
Methylene Chloride	mg/Kg	0.100	0.0803	0.0860	80.3	86.0	60-140	6.8	20
Methyl tert-butyl ether (MTBE)	mg/Kg	0.100	0.0899	0.0949	89.9	94.9	60-140	5.4	20
m,p-Xylene	mg/Kg	0.200	0.197	0.214	98.5	107	60-140	8.2	20
Naphthalene	mg/Kg	0.100	0.0927	0.121	92.7	121	50-150	26.4*	20

* QC Fail

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Quality Control Data

Client ID: Ensafe
Project Description: Legends Park
Report No: 21-343-0097

QC Prep: L589843
QC Prep Batch Method: 5035
QC Analytical Batch(es): L589847
Analysis Method: 8260B
Analysis Description: Volatile Organic Compounds - GC/MS

Laboratory Control Sample & LCSD LCS-L589843 LCSD-L589843

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS %Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD
o-Xylene	mg/Kg	0.100	0.0913	0.107	91.3	107	60-140	15.8	20
n-Propyl acetate	mg/Kg	0.100	0.0627	0.101	62.7	101	40-160	46.7*	20
n-Propylbenzene	mg/Kg	0.100	0.0926	0.106	92.6	106	60-140	13.4	20
Styrene	mg/Kg	0.100	0.107	0.117	107	117	60-140	8.9	20
1,1,1,2-Tetrachloroethane	mg/Kg	0.100	0.0946	0.109	94.6	109	60-140	14.1	20
1,1,2,2-Tetrachloroethane	mg/Kg	0.100	0.0846	0.0993	84.6	99.3	60-140	15.9	20
Tetrachloroethene	mg/Kg	0.100	0.0964	0.119	96.4	119	60-140	20.9*	20
Toluene	mg/Kg	0.100	0.0873	0.102	87.3	102	60-140	15.5	20
1,2,3-Trichlorobenzene	mg/Kg	0.100	0.102	0.124	102	124	60-140	19.4	20
1,2,4-Trichlorobenzene	mg/Kg	0.100	0.0861	0.107	86.1	107	60-140	21.6*	20
1,1,1-Trichloroethane	mg/Kg	0.100	0.0891	0.0943	89.1	94.3	60-140	5.6	20
1,1,2-Trichloroethane	mg/Kg	0.100	0.0892	0.106	89.2	106	60-140	17.2	20
Trichloroethene	mg/Kg	0.100	0.0839	0.0965	83.9	96.5	60-140	13.9	20
Trichlorofluoromethane	mg/Kg	0.100	0.113	0.111	113	111	60-140	1.7	20
1,2,3-Trichloropropane	mg/Kg	0.100	0.0884	0.0977	88.4	97.7	60-140	9.9	20
1,2,4-Trimethylbenzene	mg/Kg	0.100	0.0969	0.109	96.9	109	60-140	11.7	20
1,3,5-Trimethylbenzene	mg/Kg	0.100	0.0967	0.111	96.7	111	60-140	13.7	20
Vinyl Acetate	mg/Kg	0.100	0.294	0.295	294*	295*	40-160	0.3	20
Vinyl Chloride	mg/Kg	0.100	0.103	0.0994	103	99.4	60-140	3.5	20
4-Bromofluorobenzene (S)					107	123	60-140		
1,2-Dichloroethane - d4 (S)					90.1	92.7	60-140		
Toluene-d8 (S)					91.4	106	60-140		

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Quality Control Data

Client ID: Ensafe
Project Description: Legends Park
Report No: 21-343-0097

QC Prep: L589383
QC Prep Batch Method: 3550B
QC Analytical Batch(es): L589638
Analysis Method: 8270D SIM
Analysis Description: Semivolatile Organic Compounds - GC/MS (SIM)

Lab Reagent Blank LRB-L589383 Matrix: SOL
Associated Lab Samples: 95549, 95550, 95551, 95552, 95553, 95554, 95555, 95556, 95557, 95558

Parameter	Units	Blank Result	MDL	MQL	Analyzed	% Recovery	% Rec Limits
Acenaphthene	mg/Kg	<0.000300	0.000300	0.000670	12/10/21 19:16		
Acenaphthylene	mg/Kg	<0.000270	0.000270	0.000670	12/10/21 19:16		
Anthracene	mg/Kg	<0.000330	0.000330	0.000670	12/10/21 19:16		
Benzo(a)anthracene	mg/Kg	<0.000410	0.000410	0.000670	12/10/21 19:16		
Benzo(a)pyrene	mg/Kg	<0.000140	0.000140	0.000670	12/10/21 19:16		
Benzo(b)fluoranthene	mg/Kg	<0.000210	0.000210	0.000670	12/10/21 19:16		
Benzo(g,h,i)perylene	mg/Kg	<0.000410	0.000410	0.000670	12/10/21 19:16		
Benzo(k)fluoranthene	mg/Kg	<0.000130	0.000130	0.000670	12/10/21 19:16		
Chrysene	mg/Kg	<0.000270	0.000270	0.000670	12/10/21 19:16		
Dibenz(a,h)anthracene	mg/Kg	<0.000360	0.000360	0.000670	12/10/21 19:16		
Fluoranthene	mg/Kg	<0.000390	0.000390	0.000670	12/10/21 19:16		
Fluorene	mg/Kg	<0.000290	0.000290	0.000670	12/10/21 19:16		
Indeno(1,2,3-cd)pyrene	mg/Kg	<0.000290	0.000290	0.000670	12/10/21 19:16		
2-Methylnaphthalene	mg/Kg	<0.000390	0.000390	0.000670	12/10/21 19:16		
Naphthalene	mg/Kg	<0.000467	0.000467	0.000670	12/10/21 19:16		
Phenanthrene	mg/Kg	<0.000420	0.000420	0.000670	12/10/21 19:16		
Pyrene	mg/Kg	<0.000590	0.000590	0.000670	12/10/21 19:16		
2-Fluorobiphenyl (S)					12/10/21 19:16	60.9	33-115
Nitrobenzene-d5 (S)					12/10/21 19:16	48.0	29-110
4-Terphenyl-d14 (S)					12/10/21 19:16	72.0	33-122

Laboratory Control Sample LCS-L589383

Parameter	Units	Spike Conc.	LCS Result	LCS %Rec	% Rec Limits
Acenaphthene	mg/Kg	0.167	0.108	64.6	30-130
Acenaphthylene	mg/Kg	0.167	0.109	65.2	30-130
Anthracene	mg/Kg	0.167	0.113	67.6	30-130

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Quality Control Data

Client ID: Ensafe
Project Description: Legends Park
Report No: 21-343-0097

QC Prep: L589383
QC Prep Batch Method: 3550B
QC Analytical Batch(es): L589638
Analysis Method: 8270D SIM
Analysis Description: Semivolatile Organic Compounds - GC/MS (SIM)

Laboratory Control Sample LCS-L589383

Parameter	Units	Spike Conc.	LCS Result	LCS %Rec	% Rec Limits
Benzo(a)anthracene	mg/Kg	0.167	0.109	65.2	30-130
Benzo(a)pyrene	mg/Kg	0.167	0.114	68.2	30-130
Benzo(b)fluoranthene	mg/Kg	0.167	0.0979	58.6	30-130
Benzo(g,h,i)perylene	mg/Kg	0.167	0.118	70.6	30-130
Benzo(k)fluoranthene	mg/Kg	0.167	0.0879	52.6	30-130
Chrysene	mg/Kg	0.167	0.109	65.2	30-130
Dibenz(a,h)anthracene	mg/Kg	0.167	0.176	105	30-130
Fluoranthene	mg/Kg	0.167	0.114	68.2	30-130
Fluorene	mg/Kg	0.167	0.113	67.6	30-130
Indeno(1,2,3-cd)pyrene	mg/Kg	0.167	0.143	85.6	30-130
2-Methylnaphthalene	mg/Kg	0.167	0.0980	58.6	30-130
Naphthalene	mg/Kg	0.167	0.0952	57.0	30-130
Phenanthrene	mg/Kg	0.167	0.110	65.8	30-130
Pyrene	mg/Kg	0.167	0.116	69.4	30-130
2-Fluorobiphenyl (S)				55.8	33-115
Nitrobenzene-d5 (S)				43.2	29-110
4-Terphenyl-d14 (S)				68.7	33-122

Matrix Spike & Matrix Spike Duplicate L 95549-MS-L589383 L 95549-MSD-L589383

Parameter	Units	Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS %Rec	MSD %Rec	%Rec Limits	RPD	Max RPD
Acenaphthene	mg/Kg	<0.000300	0.166	0.164	0.110	0.118	66.2	71.9	30-130	7.0	30
Acenaphthylene	mg/Kg	<0.000270	0.166	0.164	0.111	0.120	66.8	73.1	30-130	7.7	30
Anthracene	mg/Kg	<0.000330	0.166	0.164	0.121	0.126	72.8	76.8	30-130	4.0	30
Benzo(a)anthracene	mg/Kg	<0.000410	0.166	0.164	0.126	0.129	75.9	78.6	30-130	2.3	30
Benzo(a)pyrene	mg/Kg	<0.000140	0.166	0.164	0.123	0.130	74.0	79.2	30-130	5.5	30

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Quality Control Data

Client ID: Ensafe
Project Description: Legends Park
Report No: 21-343-0097

QC Prep: L589383
QC Prep Batch Method: 3550B
QC Analytical Batch(es): L589638
Analysis Method: 8270D SIM
Analysis Description: Semivolatile Organic Compounds - GC/MS (SIM)

Matrix Spike & Matrix Spike Duplicate L 95549-MS-L589383 L 95549-MSD-L589383

Parameter	Units	Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS %Rec	MSD %Rec	%Rec Limits	RPD	Max RPD
Benzo(b)fluoranthene	mg/Kg	<0.000210	0.166	0.164	0.132	0.0932	79.5	56.8	30-130	34.4*	30
Benzo(g,h,i)perylene	mg/Kg	<0.000410	0.166	0.164	0.185	0.107	111	65.2	30-130	53.4*	30
Benzo(k)fluoranthene	mg/Kg	<0.000130	0.166	0.164	0.139	0.120	83.7	73.1	30-130	14.6	30
Chrysene	mg/Kg	<0.000270	0.166	0.164	0.128	0.126	77.1	76.8	30-130	1.5	30
Dibenz(a,h)anthracene	mg/Kg	<0.000360	0.166	0.164	0.256	0.166	154*	101	30-130	42.6*	30
Fluoranthene	mg/Kg	<0.000390	0.166	0.164	0.128	0.133	77.1	81.0	30-130	3.8	30
Fluorene	mg/Kg	<0.000290	0.166	0.164	0.118	0.125	71.0	76.2	30-130	5.7	30
Indeno(1,2,3-cd)pyrene	mg/Kg	<0.000290	0.166	0.164	0.211	0.133	127	81.0	30-130	45.3*	30
2-Methylnaphthalene	mg/Kg	<0.000390	0.166	0.164	0.0988	0.107	59.5	65.2	30-130	7.9	30
Naphthalene	mg/Kg	<0.000467	0.166	0.164	0.0958	0.106	57.7	64.6	30-130	10.1	30
Phenanthrene	mg/Kg	<0.000420	0.166	0.164	0.117	0.122	70.4	74.3	30-130	4.1	30
Pyrene	mg/Kg	<0.000590	0.166	0.164	0.128	0.133	77.1	81.0	30-130	3.8	30
2-Fluorobiphenyl (S)							53.4	54.1	33-115		
Nitrobenzene-d5 (S)							43.5	43.1	29-110		
4-Terphenyl-d14 (S)							70.3	74.7	33-122		

* QC Fail

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Quality Control Data

Client ID: **Ensafe**
Project Description: **Legends Park**
Report No: **21-343-0097**

QC Analytical Batch: L589416
Analysis Method: SW-DRYWT
Analysis Description: Dry Weight Determination

Duplicate L 95549-DUP

Parameter	Units	Result	DUP Result	RPD	Max RPD	Analyzed
Moisture	%	19.0	18.6	2.1	20.0	12/10/21 13:21

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Quality Control Data

Client ID: Ensafe
Project Description: Legends Park
Report No: 21-343-0097

QC Prep: L589313
QC Prep Batch Method: 3550B
QC Analytical Batch(es): L589528
Analysis Method: TN EPH
Analysis Description: TN EPH

Lab Reagent Blank LRB-L589313 Matrix: SOL
Associated Lab Samples: 95549, 95550, 95551, 95552, 95553, 95554, 95555, 95556, 95557, 95558

Parameter	Units	Blank Result	MDL	MQL	Analyzed	% Recovery	% Rec Limits
Diesel Range Organics (C10-C28)	mg/Kg	<3.00	3.00	3.30	12/10/21 17:49		
Oil Range Organics (>C28-C40)	mg/Kg	<3.00	3.00	3.30	12/10/21 17:49		
OTP Surrogate (S)					12/10/21 17:49	57.8	50-150

Laboratory Control Sample LCS-L589313

Parameter	Units	Spike Conc.	LCS Result	LCS %Rec	% Rec Limits
Diesel Range Organics (C10-C28)	mg/Kg	33.3	23.7	71.1	50-150
Oil Range Organics (>C28-C40)	mg/Kg	33.3	29.8	89.4	50-150
OTP Surrogate (S)				80.5	50-150

Matrix Spike & Matrix Spike Duplicate L 95549-MS-L589313 L 95549-MSD-L589313

Parameter	Units	Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS %Rec	MSD %Rec	%Rec Limits	RPD	Max RPD
Diesel Range Organics (C10-C28)	mg/Kg	<3.00	33.3	33.0	25.0	30.9	75.0	93.6	50-150	21.1	30
Oil Range Organics (>C28-C40)	mg/Kg	3.95	33.3	33.0	29.1	38.4	75.5	104	50-150	27.5	30
OTP Surrogate (S)							79.0	90.6	50-150		

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Shipment Receipt Form

Customer Number: **03180**
Customer Name: **Ensafe**
Report Number: **21-343-0097**

Shipping Method

◯ Fed Ex	◯ US Postal	◯ Lab	◯ Other :	
◯ UPS	◉ Client	◯ Courier	Thermometer ID:	T135

Shipping container/cooler uncompromised?	◉ Yes	◯ No	
Number of coolers/boxes received	2		
Custody seals intact on shipping container/cooler?	◯ Yes	◯ No	◉ Not Present
Custody seals intact on sample bottles?	◯ Yes	◯ No	◉ Not Present
Chain of Custody (COC) present?	◉ Yes	◯ No	
COC agrees with sample label(s)?	◉ Yes	◯ No	
COC properly completed	◉ Yes	◯ No	
Samples in proper containers?	◉ Yes	◯ No	
Sample containers intact?	◉ Yes	◯ No	
Sufficient sample volume for indicated test(s)?	◉ Yes	◯ No	
All samples received within holding time?	◉ Yes	◯ No	
Cooler temperature in compliance?	◉ Yes	◯ No	
Cooler/Samples arrived at the laboratory on ice. Samples were considered acceptable as cooling process had begun.	◉ Yes	◯ No	
Water - Sample containers properly preserved	◯ Yes	◯ No	◉ N/A
Water - VOA vials free of headspace	◯ Yes	◯ No	◉ N/A
Trip Blanks received with VOAs	◯ Yes	◯ No	◉ N/A
Soil VOA method 5035 – compliance criteria met	◯ Yes	◯ No	◉ N/A

☐ High concentration container (48 hr) ☐ Low concentration EnCore samplers (48 hr)
☐ High concentration pre-weighed (methanol -14 d) ☐ Low conc pre-weighed vials (Sod Bis -14 d)

Special precautions or instructions included?	◯ Yes	◉ No

Comments:

Signature: Emily M. Peterson Date & Time: 12/09/2021 13:10:01

CHAIN OF CUSTODY AND ANALYTICAL REQUEST RECORD

ENSAFE

EnSafe Inc.
800-588-7962

COC No. DWF120921 | Page 1 of 1

Project Name: LEGENDS PARK
PO No. PER MSA | Project No. 08888830989 | Phase —
Site Location: AYERS AND PEACH STREETS
Send Results To: ALLISON HARRIS - aharris@ensafe.com
Sampler/Site Phone# Dave Fuehrer 901-338-7798
Lab Name: WAYPOINT
Turnaround Time(specify): 3-day

Sample Analysis Requested (*Enter number of containers for each test*)

Lab ID	Sample ID (sys_samp_code)	Location ID (sys_loc_code)	(mm/dd/yy)	Time (Military) (hhmm)	Matrix Code (1)	Sample Type (2)	Field Filtered (Y/N)	(3)→ Total No. of Containers	VOCs	PAHs, EPH	RCRA 8 METALS	Extra Volume for MS/MSD	HOLD
	LEGSSB0116-20	SB01	12.8.21	1100	SO	N	N	6	X	X	X		
	LEGSB0124-28	SB01	12.8.21	1105	SO	N	N	6	X	X	X		
	LEGSSB0204-08	SB02	12.8.21	1340	SO	N	N	6	X	X	X		
	LEGSSB0228-32	SB02	12.8.21	1350	SO	N	N	6	X	X	X		
	LEGSSB0312-16	SB03	12.8.21	1530	SO	N	N	6	X	X	X		
	LEGSSB0324-28	SB03	12.8.21	1600	SO	N	N	6	X	X	X		
	LEGSSB0416-20	SB04	12.9.21	0915	SO	N	N	6	X	X	X		
	LEGSSB0428-32	SB04	12.9.21	0910	SO	N	N	6	X	X	X		
	LEGSSB0516-20	SB-05	12.9.21	1005	SO	N	N	6	X	X	X		
	LEGSSB0528-32	SB-05	12.9.21	1015	SO	N	N	6	X	X	X		

21-343-0097 03180 12-09-2021 13:09:17 Ensafe Legends Park

21-343-0188 03180 12-09-2021 15:20:41 Ensafe Legends Park

Field **Comments:** SILTY CLAY SOILS

Lab **Comments:** 2.0°C, 1.5°C TB5&6

	Relinquished by (signature)	Date	Time	Received by (signature)	Date	Time
1		12/9/21	1232			
2						
3				Emily Peterson	12/9/21	1232

Sample Shipment and Delivery Details
Number of coolers in shipment:
Samples Iced?(check) Yes_____ No_____
Method of Shipment:
Airbill No:
Date Shipped:

(1) Matrix Code: **AA**=Air, **AQ**=Air QC Matrix, **CK**=Caulk, **GS**=Soil Gas, **LF**=Free Product, **LH**=Liquid Waste, **MS**=Mastic, **Oil**=Oil, **PT**=Paint, **SC**=Cement/Concrete, **SE**=Sediment, **SF**=Filter Sandpack, **SL**=Sludge, **SN**=Miscellaneous Solid/Building Materials, **SO**=Soil, **SQ**=Soil/Solid QC Matrix, **ST**=Solid Waste, **SW**=Swab/Wipe, **TA**=Animal Tissue, **TP**=Plant Tissue, **WG**=Ground Water, **WL**=Leachate, **WO**=Ocean Water, **WP**=Drinking Water, **WQ**=Water QC Matrix, **WS**=Surface Water, **SU**=Storm Water, **WW**=Waste Water
(2) Sample Type: **AB**=Ambient Blank, **EB**=Equipment Blank, **FB**=Field Blank, **FD**=Field Duplicate Sample, **FR**=Field Replicate, **MB**=Material Blank, **N**=Normal Environmental Sample, **RB**=Material Rinse Blank, **TB**=Trip Blank
(3) Preservative added: **HA**=Hydrochloric Acid, **NI**=Nitric Acid, **SH**=Sodium Hydroxide, **SA**=Sulfuric Acid, **AA**=Ascorbic Acid, **HX**=Hexane, **ME**=Methanol, **SB**=sodium bisulfate, **ST**=Sodium Thiosulfate, If **NO preservative** added leave blank

Rev. 12/12

Groundwater
Laboratory Data Reports

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12/17/2021

Ensafe
Ms. Allison
5724 Summer Tree Drive
Memphis, TN, 38134

Ref: Analytical Testing
Lab Report Number: 21-344-0104
Client Project Description: Legends Park
Project No. 0888830988

Dear Ms. Allison:
Waypoint Analytical, LLC. received sample(s) on 12/10/2021 for the analyses presented in the following report.

The above referenced project has been analyzed per your instructions. The analyses were performed in accordance with the applicable analytical method. Where the laboratory was not responsible for the sampling stage (refer to the chain of custody) results apply to the sample as received.

The analytical data has been validated using standard quality control measures performed as required by the analytical method. Quality Assurance, method validations, instrumentation maintenance and calibration for all parameters (NELAP and non-NELAP) were performed in accordance with guidelines established by the USEPA (including 40 CFR 136 Method Update Rule May 2021) and NELAC unless otherwise indicated. Any parameter for which the laboratory is not officially NELAP accredited is indicated by a '~' symbol. These are not included in the scope because NELAP accreditation is either not available or has not been applied for. Additional certifications may be held/are available for parameters, where NELAP accreditation is not required or applicable. A full list of certifications is available upon request.

Certain parameters (chlorine, pH, dissolved oxygen, sulfite...) are required to be analyzed within 15 minutes of sampling. Usually, but not always, any field parameter analyzed at the laboratory is outside of this holding time. Refer to sample analysis time for confirmation of holding time compliance.

The results are shown on the attached Report of Analysis(s). Results for solid matrices are reported on an as-received basis unless otherwise indicated. This report shall not be reproduced except in full and relates only to the samples included in this report.

Please do not hesitate to contact me or client services if you have any questions or need additional information.

Sincerely,

Rebekah Ross

Rebekah Ross
Project Manager

Laboratory's liability in any claim relating to analyses performed shall be limited to, at laboratory's option, repeating the analysis in question at laboratory's expense, or the refund of the charges paid for performance of said analysis.

2790 Whitten Road, Memphis, TN 38133
Main 901.213.2400 ⁰ Fax 901.213.2440
www.waypointanalytical.com

Certification Summary

Laboratory ID: WP MTN: Waypoint Analytical, LLC., Memphis, TN

State	Program	Lab ID	Expiration Date
Alabama	State Program	40750	02/28/2022
Arkansas	State Program	88-0650	02/07/2022
California	State Program	2904	06/30/2022
Florida	State Program - NELAP	E871157	06/30/2022
Georgia	State Program	C044	02/18/2023
Georgia	State Program	04015	06/30/2022
Illinois	State Program - NELAP	200078	10/10/2022
Kentucky	State Program	80215	06/30/2022
Kentucky	State Program	KY90047	12/31/2021
Louisiana	State Program - NELAP	LA037	12/31/2021
Louisiana	State Program - NELAP	04015	06/30/2022
Mississippi	State Program	MS	02/11/2023
North Carolina	State Program	415	12/31/2021
Pennsylvania	State Program - NELAP	68-03195	05/31/2022
South Carolina	State Program	84002	06/30/2022
South Carolina	State Program	84002	06/30/2022
Tennessee	State Program	02027	02/11/2023
Texas	State Program - NELAP	T104704180	09/30/2022
Virginia	State Program	00106	06/30/2022
Virginia	State Program - NELAP	460181	09/14/2022

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Sample Summary Table

Report Number: **21-344-0104**

Client Project Description: **Legends Park**
Project No. 0888830988

Lab No	Client Sample ID	Matrix	Date Collected	Date Received
96229	LEGGSB01	Aqueous	12/10/2021 12:00	12/10/2021
96230	LEGGSB02	Aqueous	12/10/2021 11:45	12/10/2021
96231	LEGGSB03	Aqueous	12/10/2021 09:45	12/10/2021
96232	LEGGSB04	Aqueous	12/10/2021 11:15	12/10/2021
96233	LEGGSB05	Aqueous	12/10/2021 10:20	12/10/2021

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03180
Ensafe
Ms. Allison
5724 Summer Tree Drive
Memphis , TN 38134

Project Legends Park

Information : Project No. 0888830988

Report Date : 12/17/2021
Received : 12/10/2021

Rebekah Ross
Project Manager

Report Number : **21-344-0104**

REPORT OF ANALYSIS

Lab No : **96229**
Sample ID : **LEGGSB01**

Matrix: **Aqueous**
Sampled: **12/10/2021 12:00**

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Method
Arsenic	<0.005	mg/L	0.005	0.010	1	12/15/21 01:47	JADS	6010D
Barium	**0.099**	mg/L	0.004	0.010	1	12/15/21 01:47	JADS	6010D
Cadmium	<0.0003	mg/L	0.0003	0.0020	1	12/15/21 01:47	JADS	6010D
Chromium	<0.003	mg/L	0.003	0.005	1	12/15/21 01:47	JADS	6010D
Lead	<0.002	mg/L	0.002	0.006	1	12/15/21 01:47	JADS	6010D
Mercury	<0.00013	mg/L	0.00013	0.00020	1	12/16/21 14:18	JW2	7470A
Selenium	<0.003	mg/L	0.003	0.010	1	12/15/21 01:47	JADS	6010D
Silver	<0.0023	mg/L	0.0023	0.0050	1	12/15/21 01:47	JADS	6010D

Qualifiers/ Definitions

DF	Dilution Factor	J	Estimated value
L	Limit Exceeded	MQL	Method Quantitation Limit

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Project Legends Park

Information : Project No. 0888830988

Report Date : 12/17/2021
Received : 12/10/2021

Rebekah Ross
Project Manager

Report Number : **21-344-0104**

REPORT OF ANALYSIS

Lab No : **96230**
Sample ID : **LEGGSB02**

Matrix: **Aqueous**
Sampled: **12/10/2021 11:45**

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Method
Arsenic	<0.005	mg/L	0.005	0.010	1	12/15/21 02:02	JADS	6010D
Barium	**0.092**	mg/L	0.004	0.010	1	12/15/21 02:02	JADS	6010D
Cadmium	<0.0003	mg/L	0.0003	0.0020	1	12/15/21 02:02	JADS	6010D
Chromium	<0.003	mg/L	0.003	0.005	1	12/15/21 02:02	JADS	6010D
Lead	<0.002	mg/L	0.002	0.006	1	12/15/21 02:02	JADS	6010D
Mercury	<0.00013	mg/L	0.00013	0.00020	1	12/16/21 14:20	JW2	7470A
Selenium	<0.003	mg/L	0.003	0.010	1	12/15/21 02:02	JADS	6010D
Silver	<0.0023	mg/L	0.0023	0.0050	1	12/15/21 02:02	JADS	6010D

Qualifiers/ Definitions

DF	Dilution Factor	J	Estimated value
L	Limit Exceeded	MQL	Method Quantitation Limit

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Project Legends Park

Information : Project No. 0888830988

Report Date : 12/17/2021
Received : 12/10/2021

Rebekah Ross
Project Manager

Report Number : **21-344-0104**

REPORT OF ANALYSIS

Lab No : **96231**
Sample ID : **LEGGSB03**

Matrix: **Aqueous**
Sampled: **12/10/2021 9:45**

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Method
Arsenic	<0.005	mg/L	0.005	0.010	1	12/15/21 02:07	JADS	6010D
Barium	**0.165**	mg/L	0.004	0.010	1	12/15/21 02:07	JADS	6010D
Cadmium	<0.0003	mg/L	0.0003	0.0020	1	12/15/21 02:07	JADS	6010D
Chromium	<0.003	mg/L	0.003	0.005	1	12/15/21 02:07	JADS	6010D
Lead	<0.002	mg/L	0.002	0.006	1	12/15/21 02:07	JADS	6010D
Mercury	<0.00013	mg/L	0.00013	0.00020	1	12/16/21 14:26	JW2	7470A
Selenium	**0.004 J**	mg/L	0.003	0.010	1	12/15/21 02:07	JADS	6010D
Silver	<0.0023	mg/L	0.0023	0.0050	1	12/15/21 02:07	JADS	6010D

Qualifiers/ Definitions

DF	Dilution Factor	J	Estimated value
L	Limit Exceeded	MQL	Method Quantitation Limit

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Project Legends Park

Information : Project No. 0888830988

Report Date : 12/17/2021
Received : 12/10/2021

Rebekah Ross
Project Manager

Report Number : **21-344-0104**

REPORT OF ANALYSIS

Lab No : **96232**
Sample ID : **LEGGSB04**

Matrix: **Aqueous**
Sampled: **12/10/2021 11:15**

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Method
Arsenic	<0.005	mg/L	0.005	0.010	1	12/15/21 02:12	JADS	6010D
Barium	**0.244**	mg/L	0.004	0.010	1	12/15/21 02:12	JADS	6010D
Cadmium	<0.0003	mg/L	0.0003	0.0020	1	12/15/21 02:12	JADS	6010D
Chromium	<0.003	mg/L	0.003	0.005	1	12/15/21 02:12	JADS	6010D
Lead	<0.002	mg/L	0.002	0.006	1	12/15/21 02:12	JADS	6010D
Mercury	<0.00013	mg/L	0.00013	0.00020	1	12/16/21 14:28	JW2	7470A
Selenium	**0.003 J**	mg/L	0.003	0.010	1	12/15/21 02:12	JADS	6010D
Silver	<0.0023	mg/L	0.0023	0.0050	1	12/15/21 02:12	JADS	6010D

Qualifiers/ Definitions

DF	Dilution Factor	J	Estimated value
L	Limit Exceeded	MQL	Method Quantitation Limit

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Ms. Allison
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Memphis , TN 38134

Project Legends Park

Information : Project No. 0888830988

Report Date : 12/17/2021
Received : 12/10/2021

Rebekah Ross
Project Manager

Report Number : **21-344-0104**

REPORT OF ANALYSIS

Lab No : **96233**
Sample ID : **LEGGSB05**

Matrix: **Aqueous**
Sampled: **12/10/2021 10:20**

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Method
Arsenic	<0.005	mg/L	0.005	0.010	1	12/15/21 02:17	JADS	6010D
Barium	**0.110**	mg/L	0.004	0.010	1	12/15/21 02:17	JADS	6010D
Cadmium	<0.0003	mg/L	0.0003	0.0020	1	12/15/21 02:17	JADS	6010D
Chromium	<0.003	mg/L	0.003	0.005	1	12/15/21 02:17	JADS	6010D
Lead	<0.002	mg/L	0.002	0.006	1	12/15/21 02:17	JADS	6010D
Mercury	<0.00013	mg/L	0.00013	0.00020	1	12/16/21 14:30	JW2	7470A
Selenium	<0.003	mg/L	0.003	0.010	1	12/15/21 02:17	JADS	6010D
Silver	<0.0023	mg/L	0.0023	0.0050	1	12/15/21 02:17	JADS	6010D

Qualifiers/ Definitions

DF	Dilution Factor	J	Estimated value
L	Limit Exceeded	MQL	Method Quantitation Limit

Waypoint ANALYTICAL
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Quality Control Data

Client ID: Ensafe
Project Description: Legends Park
Report No: 21-344-0104

QC Prep: L589758
QC Prep Batch Method: 3005A
QC Analytical Batch(es): L590144
Analysis Method: 6010D
Analysis Description: Metals Analysis

Lab Reagent Blank LRB-L589758 Matrix: AQU
Associated Lab Samples: 96229, 96230, 96231, 96232, 96233

Parameter	Units	Blank Result	MDL	MQL	Analyzed
Arsenic	mg/L	<0.005	0.005	0.010	12/15/21 00:36
Barium	mg/L	<0.004	0.004	0.010	12/15/21 00:36
Cadmium	mg/L	<0.0003	0.0003	0.0020	12/15/21 00:36
Chromium	mg/L	<0.003	0.003	0.005	12/15/21 00:36
Lead	mg/L	<0.002	0.002	0.006	12/15/21 00:36
Selenium	mg/L	<0.003	0.003	0.010	12/15/21 00:36
Silver	mg/L	<0.0023	0.0023	0.0050	12/15/21 00:36

Laboratory Control Sample LCS-L589758

Parameter	Units	Spike Conc.	LCS Result	LCS %Rec	% Rec Limits
Arsenic	mg/L	0.100	0.095	95.0	80-120
Barium	mg/L	1.00	0.968	97.0	80-120
Cadmium	mg/L	0.100	0.0970	97.0	80-120
Chromium	mg/L	1.00	1.01	101	80-120
Lead	mg/L	0.100	0.096	96.0	80-120
Selenium	mg/L	0.100	0.097	97.0	80-120
Silver	mg/L	0.100	0.0933	93.0	80-120

Matrix Spike & Matrix Spike Duplicate L 96233-MS-L589758 L 96233-MSD-L589758

Parameter	Units	Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS %Rec	MSD %Rec	%Rec Limits	RPD	Max RPD
Arsenic	mg/L	< 0.005	0.100	0.100	0.097	0.100	97.0	100	75-125	3.0	20.0
Barium	mg/L	0.110	1.00	1.00	1.10	1.07	99.0	96.0	75-125	2.7	20.0
Cadmium	mg/L	< 0.0003	0.100	0.100	0.0987	0.0964	99.0	96.0	75-125	2.3	20.0
Chromium	mg/L	< 0.003	1.00	1.00	1.04	1.02	104	102	75-125	1.9	20.0

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Quality Control Data

Client ID: **Ensafe**
Project Description: **Legends Park**
Report No: **21-344-0104**

QC Prep: L589758
QC Prep Batch Method: 3005A
QC Analytical Batch(es): L590144
Analysis Method: 6010D
Analysis Description: Metals Analysis

Matrix Spike & Matrix Spike Duplicate L 96233-MS-L589758 L 96233-MSD-L589758

Parameter	Units	Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS %Rec	MSD %Rec	%Rec Limits	RPD	Max RPD
Lead	mg/L	< 0.002	0.100	0.100	0.099	0.097	99.0	97.0	75-125	2.0	20.0
Selenium	mg/L	< 0.003	0.100	0.100	0.099	0.097	99.0	97.0	75-125	2.0	20.0
Silver	mg/L	< 0.0023	0.100	0.100	0.103	0.102	103	102	75-125	0.9	20.0

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Quality Control Data

Client ID: Ensafe
Project Description: Legends Park
Report No: 21-344-0104

QC Prep: L590365
QC Prep Batch Method: 7470A
QC Analytical Batch(es): L590563
Analysis Method: 7470A
Analysis Description: Total Aqueous Mercury Analysis - CVAA

Lab Reagent Blank LRB-L590365 Matrix: AQU
Associated Lab Samples: 96229, 96230, 96231, 96232, 96233

Parameter	Units	Blank Result	MDL	MQL	Analyzed
Mercury	mg/L	<0.00013	0.00013	0.00020	12/16/21 14:06

Laboratory Control Sample LCS-L590365

Parameter	Units	Spike Conc.	LCS Result	LCS %Rec	% Rec Limits
Mercury	mg/L	0.00400	0.00405	101	80-120

Matrix Spike & Matrix Spike Duplicate L 96233-MS-L590365 L 96233-MSD-L590365

Parameter	Units	Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS %Rec	MSD %Rec	%Rec Limits	RPD	Max RPD
Mercury	mg/L	< 0.00013	0.00400	0.00400	0.00446	0.00391	112	98.0	80-120	13.1	20.0

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Shipment Receipt Form

Customer Number: **03180**
Customer Name: **Ensafe**
Report Number: **21-344-0104**

Shipping Method

◯ Fed Ex	◯ US Postal	◯ Lab	◯ Other :	
◯ UPS	◉ Client	◯ Courier	Thermometer ID:	T99

Shipping container/cooler uncompromised?	◉ Yes	◯ No	
Number of coolers/boxes received	1		
Custody seals intact on shipping container/cooler?	◯ Yes	◯ No	◉ Not Present
Custody seals intact on sample bottles?	◯ Yes	◯ No	◉ Not Present
Chain of Custody (COC) present?	◉ Yes	◯ No	
COC agrees with sample label(s)?	◉ Yes	◯ No	
COC properly completed	◉ Yes	◯ No	
Samples in proper containers?	◉ Yes	◯ No	
Sample containers intact?	◉ Yes	◯ No	
Sufficient sample volume for indicated test(s)?	◉ Yes	◯ No	
All samples received within holding time?	◉ Yes	◯ No	
Cooler temperature in compliance?	◉ Yes	◯ No	
Cooler/Samples arrived at the laboratory on ice. Samples were considered acceptable as cooling process had begun.	◉ Yes	◯ No	
Water - Sample containers properly preserved	◉ Yes	◯ No	◯ N/A
Water - VOA vials free of headspace	◯ Yes	◯ No	◉ N/A
Trip Blanks received with VOAs	◯ Yes	◯ No	◉ N/A
Soil VOA method 5035 – compliance criteria met	◯ Yes	◯ No	◉ N/A

☐ High concentration container (48 hr) ☐ Low concentration EnCore samplers (48 hr)
☐ High concentration pre-weighed (methanol -14 d) ☐ Low conc pre-weighed vials (Sod Bis -14 d)

Special precautions or instructions included?	◯ Yes	◉ No

Comments:

Signature: Hannah R. Brown Date & Time: 12/10/2021 16:41:10

CHAIN OF CUSTODY AND ANALYTICAL REQUEST RECORD

ENSAFE

EnSafe Inc.
800-588-7962

COC No. DWF121021 | Page 1 of 1

PO No.: 03180 | Project No. 08888309 | Phase

Project Name: LEGENDS PARK
Site Location: AYERS + PEACH
Send Results To: aharris@ensafe.com ALLISON HARRIS

Sampler/Site Phone#: DAVE FUEHRER 901-338-7798

Lab Name: WAYPOINT

Turnaround Time(specify): 3 DAY TAT

Sample Analysis Requested (*Enter number of containers for each test*)

Lab ID	Sample ID (sys_samp_code)	Location ID (sys_loc_code)	(mm/dd/yy)	Time (Military) (hhmm)	Matrix Code (1)	Sample Type (2)	Field Filtered (Y/N)	(3)→ Total No. of Containers	VOCs (8260)	PAHs, SIM LVI (8270)	RCRA Metals	TNEPH	Extra Volume for MS/MSD
	LEGGSB01	SB01	12/10/21	1200	WG	N	N	9	X	X	X	X	
	LEGGSB02	SB02	12/10/21	1145	WG	N	N	9	X	X	X	X	
	LEGGSB03	SB03	12/10/21	0945	WG	N	N	9	X	X	X	X	
	LEGGSB04	SB04	12/10/21	1115	WG	N	N	9	X	X	X	X	
	LEGGSB05	SB04	12/10/21	1020	WG	N	N	9	X	X	X	X	
	LEGTB121021	TB	12/10/21	0800	WQ	TB	N (F)	2	X				
							YES						

Ensafe Legends Park 21-344-0104 03180 12-10-2021 16:39:58

Ensafe Legends Park 21-344-0103 03180 12-10-2021 11:55:02

Field **Comments:** FIELD FILTERED SAMPLES
PAH by SIM LVI 3-DAY TAT RESULTS

Lab **Comments:** cooler temp: 1.6°C T99 HS

Sample Shipment and Delivery Details
Number of coolers in shipment: 2
Samples Iced?(check) Yes ✓ No
Method of Shipment: Deliver
Airbill No:
Date Shipped: 12.10.21

	Relinquished by (signature)	Date	Time	Received by (signature)	Date	Time
1	[signature]	12.10.21	1546	Summer Harrison	12/10/21	15:46
2						
3						

(1) **Matrix Code**: **AA**=Air, **AQ**=Air QC Matrix, **CK**=Caulk, **GS**=Soil Gas, **LF**=Free Product, **LH**=Liquid Waste, **MS**=Mastic, **Oil**=Oil, **PT**=Paint, **SC**=Cement/Concrete, **SE**=Sediment, **SF**=Filter Sandpack, **SL**=Sludge, **SN**=Miscellaneous Solid/Building Materials, **SO**=Soil, **SQ**=Soil/Solid QC Matrix, **ST**=Solid Waste, **SW**=Swab/Wipe, **TA**=Animal Tissue, **TP**=Plant Tissue, **WG**=Ground Water, **WL**=Leachate, **WO**=Ocean Water, **WP**=Drinking Water, **WQ**=Water QC Matrix, **WS**=Surface Water, **SU**=Storm Water, **WW**=Waste Water
(2) **Sample Type**: **AB**=Ambient Blank, **EB**=Equipment Blank, **FB**=Field Blank, **FD**=Field Duplicate Sample, **FR**=Field Replicate, **MB**=Material Blank, **N**=Normal Environmental Sample, **RB**=Material Rinse Blank, **TB**=Trip Blank
(3) **Preservative added**: **HA**=Hydrochloric Acid, **NI**=Nitric Acid, **SH**=Sodium Hydroxide, **SA**=Sulfuric Acid, **AA**=Ascorbic Acid, **HX**=Hexane, **ME**=Methanol, **SB**=sodium bisulfate, **ST**=Sodium Thiosulfate, If **NO preservative** added leave blank

Rev. 12/12

Waypoint ANALYTICAL
2790 Whitten Road, Memphis, TN 38133
Main 901.213.2400 ° Fax 901.213.2440
www.waypointanalytical.com

12/15/2021

Ensafe
Ms. Allison Harris
5724 Summer Tree Drive
Memphis, TN, 38134

Ref: Analytical Testing
Lab Report Number: 21-344-0103
Client Project Description: Legends Park
Project No. 0888830988

Dear Ms. Allison Harris:
Waypoint Analytical, LLC. received sample(s) on 12/10/2021 for the analyses presented in the following report.

The above referenced project has been analyzed per your instructions. The analyses were performed in accordance with the applicable analytical method. Where the laboratory was not responsible for the sampling stage (refer to the chain of custody) results apply to the sample as received.

The analytical data has been validated using standard quality control measures performed as required by the analytical method. Quality Assurance, method validations, instrumentation maintenance and calibration for all parameters (NELAP and non-NELAP) were performed in accordance with guidelines established by the USEPA (including 40 CFR 136 Method Update Rule May 2021) and NELAC unless otherwise indicated. Any parameter for which the laboratory is not officially NELAP accredited is indicated by a '~' symbol. These are not included in the scope because NELAP accreditation is either not available or has not been applied for. Additional certifications may be held/are available for parameters, where NELAP accreditation is not required or applicable. A full list of certifications is available upon request.

Certain parameters (chlorine, pH, dissolved oxygen, sulfite...) are required to be analyzed within 15 minutes of sampling. Usually, but not always, any field parameter analyzed at the laboratory is outside of this holding time. Refer to sample analysis time for confirmation of holding time compliance.

The results are shown on the attached Report of Analysis(s). Results for solid matrices are reported on an as-received basis unless otherwise indicated. This report shall not be reproduced except in full and relates only to the samples included in this report.

Please do not hesitate to contact me or client services if you have any questions or need additional information.

Sincerely,

Rebekah Ross

Rebekah Ross
Project Manager

Laboratory's liability in any claim relating to analyses performed shall be limited to, at laboratory's option, repeating the analysis in question at laboratory's expense, or the refund of the charges paid for performance of said analysis.

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Certification Summary

Laboratory ID: WP MTN: Waypoint Analytical, LLC., Memphis, TN

State	Program	Lab ID	Expiration Date
Alabama	State Program	40750	02/28/2022
Arkansas	State Program	88-0650	02/07/2022
California	State Program	2904	06/30/2022
Florida	State Program - NELAP	E871157	06/30/2022
Georgia	State Program	C044	02/18/2023
Georgia	State Program	04015	06/30/2022
Illinois	State Program - NELAP	200078	10/10/2022
Kentucky	State Program	80215	06/30/2022
Kentucky	State Program	KY90047	12/31/2021
Louisiana	State Program - NELAP	LA037	12/31/2021
Louisiana	State Program - NELAP	04015	06/30/2022
Mississippi	State Program	MS	02/11/2023
North Carolina	State Program	415	12/31/2021
Pennsylvania	State Program - NELAP	68-03195	05/31/2022
South Carolina	State Program	84002	06/30/2022
South Carolina	State Program	84002	06/30/2022
Tennessee	State Program	02027	02/11/2023
Texas	State Program - NELAP	T104704180	09/30/2022
Virginia	State Program	00106	06/30/2022
Virginia	State Program - NELAP	460181	09/14/2022

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Sample Summary Table

Report Number: **21-344-0103**

Client Project Description: **Legends Park**
Project No. 0888830988

Lab No	Client Sample ID	Matrix	Date Collected	Date Received
96223	LEGGSB01	Aqueous	12/10/2021 12:00	12/10/2021
96224	LEGGSB02	Aqueous	12/10/2021 11:45	12/10/2021
96225	LEGGSB03	Aqueous	12/10/2021 09:45	12/10/2021
96226	LEGGSB04	Aqueous	12/10/2021 11:15	12/10/2021
96227	LEGGSB05	Aqueous	12/10/2021 10:20	12/10/2021
96228	LEGTB121021	Aqueous	12/10/2021 08:00	12/10/2021

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Client: Ensafe
Project: Legends Park
Lab Report Number: 21-344-0103
Date: 12/15/2021

CASE NARRATIVE

Volatile Organic Compounds - GC/MS Method 8260B
Sample 96223 (LEGGSB01)
QC Batch No: L589858/L589845
The sample was diluted due to the nature of the sample matrix. Reporting limits have been adjusted accordingly.

Semivolatile Organic Compounds - GC/MS (SIM) Method 8270D SIM
QC Batch No: L590228/L590223
Surrogate(s) were flagged for recoveries in the associated project sample. During the extraction step, the extraction technician noted that a significant emulsion formed. Batch QC samples (Method Blank and Laboratory Control Samples) all showed surrogate recoveries within QC limits, indicating that the biased recoveries were due to the sample matrix.

Sample 96225 (LEGGSB03)
QC Batch No: L590228/L590223
Surrogate(s) were flagged for recoveries in the associated project sample. During the extraction step, the extraction technician noted that a significant emulsion formed. Batch QC samples (Method Blank and Laboratory Control Samples) all showed surrogate recoveries within QC limits, indicating that the biased recoveries were due to the sample matrix.

Sample 96227 (LEGGSB05)
QC Batch No: L590228/L590223
Surrogate(s) were flagged for recoveries in the associated project sample. During the extraction step, the extraction technician noted that a significant emulsion formed. Batch QC samples (Method Blank and Laboratory Control Samples) all showed surrogate recoveries within QC limits, indicating that the biased recoveries were due to the sample matrix.

TN EPH Method TN EPH
Sample 96224 (LEGGSB02)
QC Batch No: L590249/L589700
Surrogate(s) was flagged for recovery outside QC limits in this project sample. This sample was re-analyzed for verification, and/or dilution of target analytes. Batch QC samples (method blank and laboratory control samples) all showed surrogates within QC limits.

Sample 96227 (LEGGSB05)
QC Batch No: L590249/L589700
Surrogate(s) was flagged for recovery outside QC limits in this project sample. This sample was re-analyzed for verification, and/or dilution of target analytes. Batch QC samples (method blank and laboratory control samples) all showed surrogates within QC limits.

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Ms. Allison Harris
5724 Summer Tree Drive
Memphis , TN 38134

Project Legends Park

Information : Project No. 0888830988

Report Date : 12/15/2021
Received : 12/10/2021

Rebekah Ross
Project Manager

Report Number : **21-344-0103**

REPORT OF ANALYSIS

Lab No : **96223**
Sample ID : **LEGGSB01**

Matrix: **Aqueous**
Sampled: **12/10/2021 12:00**

Analytical Method: 8260B **Prep Batch(es):** **L589845** 12/13/21 08:55
Prep Method: 5030B

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Batch
Acetone	<0.005	mg/L	0.005	0.020	1	12/13/21 13:00	HRS	L589858
Acetonitrile	<0.029	mg/L	0.029	0.050	1	12/13/21 13:00	HRS	L589858
Acrolein	<0.005	mg/L	0.005	0.020	1	12/13/21 13:00	HRS	L589858
Acrylonitrile	<0.003	mg/L	0.003	0.020	1	12/13/21 13:00	HRS	L589858
Benzene	<0.0006	mg/L	0.0006	0.001	1	12/13/21 13:00	HRS	L589858
Bromobenzene	<0.0006	mg/L	0.0006	0.001	1	12/13/21 13:00	HRS	L589858
Bromochloromethane	<0.0005	mg/L	0.0005	0.001	1	12/13/21 13:00	HRS	L589858
Bromodichloromethane	<0.0007	mg/L	0.0007	0.001	1	12/13/21 13:00	HRS	L589858
Bromoform	<0.0009	mg/L	0.0009	0.001	1	12/13/21 13:00	HRS	L589858
Bromomethane	<0.001	mg/L	0.001	0.002	1	12/13/21 13:00	HRS	L589858
Methyl Ethyl Ketone (MEK)	<0.002	mg/L	0.002	0.020	1	12/13/21 13:00	HRS	L589858
n-Butylbenzene	<0.0007	mg/L	0.0007	0.001	1	12/13/21 13:00	HRS	L589858
sec-Butyl benzene	<0.0006	mg/L	0.0006	0.001	1	12/13/21 13:00	HRS	L589858
tert-Butyl benzene	<0.0006	mg/L	0.0006	0.001	1	12/13/21 13:00	HRS	L589858
Carbon Disulfide	<0.0008	mg/L	0.0008	0.001	1	12/13/21 13:00	HRS	L589858
Carbon Tetrachloride	<0.0004	mg/L	0.0004	0.001	1	12/13/21 13:00	HRS	L589858
Chlorobenzene	<0.0005	mg/L	0.0005	0.001	1	12/13/21 13:00	HRS	L589858
Chlorodibromomethane	<0.0008	mg/L	0.0008	0.001	1	12/13/21 13:00	HRS	L589858
Chloroethane	<0.0006	mg/L	0.0006	0.001	1	12/13/21 13:00	HRS	L589858
2-Chloroethylvinyl Ether	<0.002	mg/L	0.002	0.005	1	12/13/21 13:00	HRS	L589858
Chloroform	<0.0006	mg/L	0.0006	0.001	1	12/13/21 13:00	HRS	L589858
Chloromethane	<0.0009	mg/L	0.0009	0.001	1	12/13/21 13:00	HRS	L589858

Qualifiers/ Definitions

*	Outside QC Limit	DF	Dilution Factor
J	Estimated value	MQL	Method Quantitation Limit

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Project Legends Park
Information : Project No. 0888830988

Report Date : 12/15/2021
Received : 12/10/2021

Rebekah Ross
Project Manager

Report Number : **21-344-0103**

REPORT OF ANALYSIS

Lab No : **96223**
Sample ID : **LEGGSB01**

Matrix: **Aqueous**
Sampled: **12/10/2021 12:00**

Analytical Method: 8260B **Prep Batch(es):** **L589845** 12/13/21 08:55
Prep Method: 5030B

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Batch
2-Chlorotoluene	<0.0005	mg/L	0.0005	0.001	1	12/13/21 13:00	HRS	L589858
4-Chlorotoluene	<0.0005	mg/L	0.0005	0.001	1	12/13/21 13:00	HRS	L589858
1,2-Dibromo-3-Chloropropane	<0.0010	mg/L	0.0010	0.002	1	12/13/21 13:00	HRS	L589858
1,2-Dibromoethane	<0.0007	mg/L	0.0007	0.001	1	12/13/21 13:00	HRS	L589858
Dibromomethane	<0.0006	mg/L	0.0006	0.001	1	12/13/21 13:00	HRS	L589858
1,2-Dichlorobenzene	<0.0007	mg/L	0.0007	0.001	1	12/13/21 13:00	HRS	L589858
1,3-Dichlorobenzene	<0.0008	mg/L	0.0008	0.001	1	12/13/21 13:00	HRS	L589858
1,4-Dichlorobenzene	<0.0007	mg/L	0.0007	0.001	1	12/13/21 13:00	HRS	L589858
Dichlorodifluoromethane	<0.0009	mg/L	0.0009	0.001	1	12/13/21 13:00	HRS	L589858
1,1-Dichloroethane	<0.0004	mg/L	0.0004	0.001	1	12/13/21 13:00	HRS	L589858
1,2-Dichloroethane	<0.0005	mg/L	0.0005	0.001	1	12/13/21 13:00	HRS	L589858
1,1-Dichloroethene	<0.0005	mg/L	0.0005	0.001	1	12/13/21 13:00	HRS	L589858
cis-1,2-Dichloroethene	<0.0004	mg/L	0.0004	0.001	1	12/13/21 13:00	HRS	L589858
trans-1,2-Dichloroethene	<0.0005	mg/L	0.0005	0.001	1	12/13/21 13:00	HRS	L589858
1,2-Dichloroethene (Total)	<0.0004	mg/L	0.0004	0.001	1	12/13/21 13:00		L589858
1,2-Dichloropropane	<0.0005	mg/L	0.0005	0.001	1	12/13/21 13:00	HRS	L589858
1,3-Dichloropropane	<0.0005	mg/L	0.0005	0.001	1	12/13/21 13:00	HRS	L589858
2,2-Dichloropropane	<0.0007	mg/L	0.0007	0.001	1	12/13/21 13:00	HRS	L589858
1,1-Dichloropropene	<0.0007	mg/L	0.0007	0.001	1	12/13/21 13:00	HRS	L589858
cis-1,3-Dichloropropene	<0.0007	mg/L	0.0007	0.001	1	12/13/21 13:00	HRS	L589858
trans-1,3-Dichloropropene	<0.0008	mg/L	0.0008	0.001	1	12/13/21 13:00	HRS	L589858
Ethyl Acetate	<0.004	mg/L	0.004	0.010	1	12/13/21 13:00	HRS	L589858

Qualifiers/ Definitions

*	Outside QC Limit	DF	Dilution Factor
J	Estimated value	MQL	Method Quantitation Limit

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Project Legends Park

Information : Project No. 0888830988

Report Date : 12/15/2021
Received : 12/10/2021

Rebekah Ross
Project Manager

Report Number : **21-344-0103**

REPORT OF ANALYSIS

Lab No : **96223**
Sample ID : **LEGGSB01**

Matrix: **Aqueous**
Sampled: **12/10/2021 12:00**

Analytical Method: 8260B **Prep Batch(es):** **L589845** 12/13/21 08:55
Prep Method: 5030B

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Batch
Ethylbenzene	<0.0006	mg/L	0.0006	0.001	1	12/13/21 13:00	HRS	L589858
Hexachlorobutadiene	<0.0009	mg/L	0.0009	0.001	1	12/13/21 13:00	HRS	L589858
2-Hexanone	<0.002	mg/L	0.002	0.005	1	12/13/21 13:00	HRS	L589858
Iodomethane	<0.002	mg/L	0.002	0.005	1	12/13/21 13:00	HRS	L589858
Isopropylbenzene	<0.0005	mg/L	0.0005	0.001	1	12/13/21 13:00	HRS	L589858
4-Isopropyl toluene	<0.0006	mg/L	0.0006	0.001	1	12/13/21 13:00	HRS	L589858
4-Methyl-2-Pentanone	<0.002	mg/L	0.002	0.005	1	12/13/21 13:00	HRS	L589858
Methylene Chloride	<0.002	mg/L	0.002	0.005	1	12/13/21 13:00	HRS	L589858
Methyl tert-butyl ether (MTBE)	<0.0006	mg/L	0.0006	0.001	1	12/13/21 13:00	HRS	L589858
m,p-Xylene	<0.001	mg/L	0.001	0.002	1	12/13/21 13:00	HRS	L589858
Naphthalene	<0.004	mg/L	0.004	0.005	1	12/13/21 13:00	HRS	L589858
o-Xylene	<0.0005	mg/L	0.0005	0.001	1	12/13/21 13:00	HRS	L589858
n-Propylbenzene	<0.0005	mg/L	0.0005	0.001	1	12/13/21 13:00	HRS	L589858
Styrene	<0.0005	mg/L	0.0005	0.001	1	12/13/21 13:00	HRS	L589858
1,1,1,2-Tetrachloroethane	<0.0008	mg/L	0.0008	0.001	1	12/13/21 13:00	HRS	L589858
1,1,2,2-Tetrachloroethane	<0.0009	mg/L	0.0009	0.001	1	12/13/21 13:00	HRS	L589858
Tetrachloroethene	<0.0005	mg/L	0.0005	0.001	1	12/13/21 13:00	HRS	L589858
Toluene	<0.0005	mg/L	0.0005	0.002	1	12/13/21 13:00	HRS	L589858
1,2,3-Trichlorobenzene	<0.001	mg/L	0.001	0.002	1	12/13/21 13:00	HRS	L589858
1,2,4-Trichlorobenzene	<0.0009	mg/L	0.0009	0.002	1	12/13/21 13:00	HRS	L589858
1,1,1-Trichloroethane	<0.0004	mg/L	0.0004	0.001	1	12/13/21 13:00	HRS	L589858
1,1,2-Trichloroethane	<0.0006	mg/L	0.0006	0.001	1	12/13/21 13:00	HRS	L589858

Qualifiers/ Definitions

*	Outside QC Limit	DF	Dilution Factor
J	Estimated value	MQL	Method Quantitation Limit

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Project Legends Park

Information : Project No. 0888830988

Report Date : 12/15/2021
Received : 12/10/2021

Rebekah Ross
Project Manager

Report Number : **21-344-0103**

REPORT OF ANALYSIS

Lab No : **96223**
Sample ID : **LEGGSB01**

Matrix: **Aqueous**
Sampled: **12/10/2021 12:00**

Analytical Method: 8260B **Prep Batch(es):** **L589845** 12/13/21 08:55
Prep Method: 5030B

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Batch
Trichloroethene	<0.0007	mg/L	0.0007	0.001	1	12/13/21 13:00	HRS	L589858
Trichlorofluoromethane	<0.0005	mg/L	0.0005	0.001	1	12/13/21 13:00	HRS	L589858
1,2,3-Trichloropropane	<0.0007	mg/L	0.0007	0.001	1	12/13/21 13:00	HRS	L589858
1,2,4-Trimethylbenzene	<0.0005	mg/L	0.0005	0.001	1	12/13/21 13:00	HRS	L589858
1,3,5-Trimethylbenzene	<0.0006	mg/L	0.0006	0.001	1	12/13/21 13:00	HRS	L589858
Vinyl Acetate	<0.003	mg/L	0.003	0.010	1	12/13/21 13:00	HRS	L589858
Vinyl Chloride	<0.0005	mg/L	0.0005	0.001	1	12/13/21 13:00	HRS	L589858
Xylene (Total)	<0.0005	mg/L	0.0005	0.001	1	12/13/21 13:00		L589858
Surrogate: 4-Bromofluorobenzene	75.6		Limits: 71-137%		1	12/13/21 13:00	HRS	L589858
Surrogate: Dibromofluoromethane	91.2		Limits: 70-128%		1	12/13/21 13:00	HRS	L589858
Surrogate: 1,2-Dichloroethane - d4	76.4		Limits: 63-136%		1	12/13/21 13:00	HRS	L589858
Surrogate: Toluene-d8	84.2		Limits: 70-130%		1	12/13/21 13:00	HRS	L589858

Analytical Method: 8270D SIM **Prep Batch(es):** **L590223** 12/13/21 14:06
Prep Method: 3511

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Batch
Acenaphthene	<0.000018	mg/L	0.000018	0.000020	1	12/13/21 22:17	MED	L590228
Acenaphthylene	<0.000014	mg/L	0.000014	0.000020	1	12/13/21 22:17	MED	L590228
Anthracene	<0.000005	mg/L	0.000005	0.000020	1	12/13/21 22:17	MED	L590228
Benzo(a)anthracene	<0.000011	mg/L	0.000011	0.000020	1	12/13/21 22:17	MED	L590228
Benzo(a)pyrene	<0.000012	mg/L	0.000012	0.000020	1	12/13/21 22:17	MED	L590228
Benzo(b)fluoranthene	<0.000008	mg/L	0.000008	0.000020	1	12/13/21 22:17	MED	L590228

Qualifiers/ Definitions
* Outside QC Limit
J Estimated value
DF Dilution Factor
MQL Method Quantitation Limit

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Project Legends Park
Information : Project No. 0888830988

Report Date : 12/15/2021
Received : 12/10/2021

Rebekah Ross
Project Manager

Report Number : **21-344-0103**

REPORT OF ANALYSIS

Lab No : **96223**
Sample ID : **LEGGSB01**

Matrix: **Aqueous**
Sampled: **12/10/2021 12:00**

Analytical Method: 8270D SIM **Prep Batch(es):** **L590223** 12/13/21 14:06
Prep Method: 3511

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Batch
Benzo(g,h,i)perylene	<0.000007	mg/L	0.000007	0.000020	1	12/13/21 22:17	MED	L590228
Benzo(k)fluoranthene	<0.000016	mg/L	0.000016	0.000020	1	12/13/21 22:17	MED	L590228
Chrysene	<0.000008	mg/L	0.000008	0.000020	1	12/13/21 22:17	MED	L590228
Dibenz(a,h)anthracene	<0.000006	mg/L	0.000006	0.000020	1	12/13/21 22:17	MED	L590228
Fluoranthene	<0.000005	mg/L	0.000005	0.000020	1	12/13/21 22:17	MED	L590228
Fluorene	<0.000010	mg/L	0.000010	0.000020	1	12/13/21 22:17	MED	L590228
Indeno(1,2,3-cd)pyrene	<0.000014	mg/L	0.000014	0.000020	1	12/13/21 22:17	MED	L590228
1-Methylnaphthalene	<0.000007	mg/L	0.000007	0.000020	1	12/13/21 22:17	MED	L590228
2-Methylnaphthalene	<0.000018	mg/L	0.000018	0.000020	1	12/13/21 22:17	MED	L590228
Naphthalene	<0.000019	mg/L	0.000019	0.000020	1	12/13/21 22:17	MED	L590228
Phenanthrene	<0.000008	mg/L	0.000008	0.000020	1	12/13/21 22:17	MED	L590228
Pyrene	<0.000009	mg/L	0.000009	0.000020	1	12/13/21 22:17	MED	L590228
Surrogate: 2-Fluorobiphenyl	91.4			Limits: 70-130%	1	12/13/21 22:17	MED	L590228
Surrogate: 4-Terphenyl-d14	**64.2 ***			Limits: 70-130%	1	12/13/21 22:17	MED	L590228

Analytical Method: TN EPH **Prep Batch(es):** **L589700** 12/13/21 15:00
Prep Method: 3510C

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Batch
Diesel Range Organics (C10-C28)	**0.111**	mg/L	0.0548	0.0900	1	12/15/21 11:35	MMK	L590249
Oil Range Organics (>C28-C40)	**0.0994**	mg/L	0.0841	0.0900	1	12/15/21 11:35	MMK	L590249
TN EPH (C10-C40)	**0.210**	mg/L	0.0548	0.0900	1	12/15/21 11:35		L590249
Surrogate: OTP Surrogate	50.9			Limits: 50-150%	1	12/14/21 14:31	MMK	L590249

Qualifiers/ Definitions
* Outside QC Limit
J Estimated value
DF Dilution Factor
MQL Method Quantitation Limit

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Project Legends Park
Information : Project No. 0888830988

Report Date : 12/15/2021
Received : 12/10/2021

Rebekah Ross
Project Manager

Report Number : **21-344-0103**

REPORT OF ANALYSIS

Lab No : **96224**
Sample ID : **LEGGSB02**

Matrix: **Aqueous**
Sampled: **12/10/2021 11:45**

Analytical Method: 8260B **Prep Batch(es):** **L589845** 12/13/21 08:55
Prep Method: 5030B

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Batch
Acetone	<0.005	mg/L	0.005	0.020	1	12/13/21 13:20	HRS	L589858
Acetonitrile	<0.029	mg/L	0.029	0.050	1	12/13/21 13:20	HRS	L589858
Acrolein	<0.005	mg/L	0.005	0.020	1	12/13/21 13:20	HRS	L589858
Acrylonitrile	<0.003	mg/L	0.003	0.020	1	12/13/21 13:20	HRS	L589858
Benzene	<0.0006	mg/L	0.0006	0.001	1	12/13/21 13:20	HRS	L589858
Bromobenzene	<0.0006	mg/L	0.0006	0.001	1	12/13/21 13:20	HRS	L589858
Bromochloromethane	<0.0005	mg/L	0.0005	0.001	1	12/13/21 13:20	HRS	L589858
Bromodichloromethane	<0.0007	mg/L	0.0007	0.001	1	12/13/21 13:20	HRS	L589858
Bromoform	<0.0009	mg/L	0.0009	0.001	1	12/13/21 13:20	HRS	L589858
Bromomethane	<0.001	mg/L	0.001	0.002	1	12/13/21 13:20	HRS	L589858
Methyl Ethyl Ketone (MEK)	<0.002	mg/L	0.002	0.020	1	12/13/21 13:20	HRS	L589858
n-Butylbenzene	<0.0007	mg/L	0.0007	0.001	1	12/13/21 13:20	HRS	L589858
sec-Butyl benzene	<0.0006	mg/L	0.0006	0.001	1	12/13/21 13:20	HRS	L589858
tert-Butyl benzene	<0.0006	mg/L	0.0006	0.001	1	12/13/21 13:20	HRS	L589858
Carbon Disulfide	<0.0008	mg/L	0.0008	0.001	1	12/13/21 13:20	HRS	L589858
Carbon Tetrachloride	<0.0004	mg/L	0.0004	0.001	1	12/13/21 13:20	HRS	L589858
Chlorobenzene	<0.0005	mg/L	0.0005	0.001	1	12/13/21 13:20	HRS	L589858
Chlorodibromomethane	<0.0008	mg/L	0.0008	0.001	1	12/13/21 13:20	HRS	L589858
Chloroethane	<0.0006	mg/L	0.0006	0.001	1	12/13/21 13:20	HRS	L589858
2-Chloroethylvinyl Ether	<0.002	mg/L	0.002	0.005	1	12/13/21 13:20	HRS	L589858
Chloroform	<0.0006	mg/L	0.0006	0.001	1	12/13/21 13:20	HRS	L589858
Chloromethane	<0.0009	mg/L	0.0009	0.001	1	12/13/21 13:20	HRS	L589858

Qualifiers/ Definitions
* Outside QC Limit
J Estimated value
DF Dilution Factor
MQL Method Quantitation Limit

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Project Legends Park
Information : Project No. 0888830988

Report Date : 12/15/2021
Received : 12/10/2021

Rebekah Ross
Project Manager

Report Number : **21-344-0103**

REPORT OF ANALYSIS

Lab No : **96224**
Sample ID : **LEGGSB02**

Matrix: **Aqueous**
Sampled: **12/10/2021 11:45**

Analytical Method: 8260B **Prep Batch(es):** **L589845** 12/13/21 08:55
Prep Method: 5030B

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Batch
2-Chlorotoluene	<0.0005	mg/L	0.0005	0.001	1	12/13/21 13:20	HRS	L589858
4-Chlorotoluene	<0.0005	mg/L	0.0005	0.001	1	12/13/21 13:20	HRS	L589858
1,2-Dibromo-3-Chloropropane	<0.0010	mg/L	0.0010	0.002	1	12/13/21 13:20	HRS	L589858
1,2-Dibromoethane	<0.0007	mg/L	0.0007	0.001	1	12/13/21 13:20	HRS	L589858
Dibromomethane	<0.0006	mg/L	0.0006	0.001	1	12/13/21 13:20	HRS	L589858
1,2-Dichlorobenzene	<0.0007	mg/L	0.0007	0.001	1	12/13/21 13:20	HRS	L589858
1,3-Dichlorobenzene	<0.0008	mg/L	0.0008	0.001	1	12/13/21 13:20	HRS	L589858
1,4-Dichlorobenzene	<0.0007	mg/L	0.0007	0.001	1	12/13/21 13:20	HRS	L589858
Dichlorodifluoromethane	<0.0009	mg/L	0.0009	0.001	1	12/13/21 13:20	HRS	L589858
1,1-Dichloroethane	<0.0004	mg/L	0.0004	0.001	1	12/13/21 13:20	HRS	L589858
1,2-Dichloroethane	<0.0005	mg/L	0.0005	0.001	1	12/13/21 13:20	HRS	L589858
1,1-Dichloroethene	<0.0005	mg/L	0.0005	0.001	1	12/13/21 13:20	HRS	L589858
cis-1,2-Dichloroethene	<0.0004	mg/L	0.0004	0.001	1	12/13/21 13:20	HRS	L589858
trans-1,2-Dichloroethene	<0.0005	mg/L	0.0005	0.001	1	12/13/21 13:20	HRS	L589858
1,2-Dichloroethene (Total)	<0.0004	mg/L	0.0004	0.001	1	12/13/21 13:20		L589858
1,2-Dichloropropane	<0.0005	mg/L	0.0005	0.001	1	12/13/21 13:20	HRS	L589858
1,3-Dichloropropane	<0.0005	mg/L	0.0005	0.001	1	12/13/21 13:20	HRS	L589858
2,2-Dichloropropane	<0.0007	mg/L	0.0007	0.001	1	12/13/21 13:20	HRS	L589858
1,1-Dichloropropene	<0.0007	mg/L	0.0007	0.001	1	12/13/21 13:20	HRS	L589858
cis-1,3-Dichloropropene	<0.0007	mg/L	0.0007	0.001	1	12/13/21 13:20	HRS	L589858
trans-1,3-Dichloropropene	<0.0008	mg/L	0.0008	0.001	1	12/13/21 13:20	HRS	L589858
Ethyl Acetate	<0.004	mg/L	0.004	0.010	1	12/13/21 13:20	HRS	L589858

Qualifiers/ Definitions

*	Outside QC Limit	DF	Dilution Factor
J	Estimated value	MQL	Method Quantitation Limit

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Project Legends Park

Information : Project No. 0888830988

Report Date : 12/15/2021
Received : 12/10/2021

Rebekah Ross
Project Manager

Report Number : **21-344-0103**

REPORT OF ANALYSIS

Lab No : **96224**
Sample ID : **LEGGSB02**

Matrix: **Aqueous**
Sampled: **12/10/2021 11:45**

Analytical Method: 8260B **Prep Batch(es):** **L589845** 12/13/21 08:55
Prep Method: 5030B

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Batch
Ethylbenzene	<0.0006	mg/L	0.0006	0.001	1	12/13/21 13:20	HRS	L589858
Hexachlorobutadiene	<0.0009	mg/L	0.0009	0.001	1	12/13/21 13:20	HRS	L589858
2-Hexanone	<0.002	mg/L	0.002	0.005	1	12/13/21 13:20	HRS	L589858
Iodomethane	<0.002	mg/L	0.002	0.005	1	12/13/21 13:20	HRS	L589858
Isopropylbenzene	<0.0005	mg/L	0.0005	0.001	1	12/13/21 13:20	HRS	L589858
4-Isopropyl toluene	<0.0006	mg/L	0.0006	0.001	1	12/13/21 13:20	HRS	L589858
4-Methyl-2-Pentanone	<0.002	mg/L	0.002	0.005	1	12/13/21 13:20	HRS	L589858
Methylene Chloride	<0.002	mg/L	0.002	0.005	1	12/13/21 13:20	HRS	L589858
Methyl tert-butyl ether (MTBE)	<0.0006	mg/L	0.0006	0.001	1	12/13/21 13:20	HRS	L589858
m,p-Xylene	<0.001	mg/L	0.001	0.002	1	12/13/21 13:20	HRS	L589858
Naphthalene	<0.004	mg/L	0.004	0.005	1	12/13/21 13:20	HRS	L589858
o-Xylene	<0.0005	mg/L	0.0005	0.001	1	12/13/21 13:20	HRS	L589858
n-Propylbenzene	<0.0005	mg/L	0.0005	0.001	1	12/13/21 13:20	HRS	L589858
Styrene	<0.0005	mg/L	0.0005	0.001	1	12/13/21 13:20	HRS	L589858
1,1,1,2-Tetrachloroethane	<0.0008	mg/L	0.0008	0.001	1	12/13/21 13:20	HRS	L589858
1,1,2,2-Tetrachloroethane	<0.0009	mg/L	0.0009	0.001	1	12/13/21 13:20	HRS	L589858
Tetrachloroethene	<0.0005	mg/L	0.0005	0.001	1	12/13/21 13:20	HRS	L589858
Toluene	<0.0005	mg/L	0.0005	0.002	1	12/13/21 13:20	HRS	L589858
1,2,3-Trichlorobenzene	<0.001	mg/L	0.001	0.002	1	12/13/21 13:20	HRS	L589858
1,2,4-Trichlorobenzene	<0.0009	mg/L	0.0009	0.002	1	12/13/21 13:20	HRS	L589858
1,1,1-Trichloroethane	<0.0004	mg/L	0.0004	0.001	1	12/13/21 13:20	HRS	L589858
1,1,2-Trichloroethane	<0.0006	mg/L	0.0006	0.001	1	12/13/21 13:20	HRS	L589858

Qualifiers/ Definitions

*	Outside QC Limit	DF	Dilution Factor
J	Estimated value	MQL	Method Quantitation Limit

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Project Legends Park
Information : Project No. 0888830988

Report Date : 12/15/2021
Received : 12/10/2021

Rebekah Ross
Project Manager

Report Number : **21-344-0103**

REPORT OF ANALYSIS

Lab No : **96224**
Sample ID : **LEGGSB02**

Matrix: **Aqueous**
Sampled: **12/10/2021 11:45**

Analytical Method: 8260B **Prep Batch(es):** **L589845** 12/13/21 08:55
Prep Method: 5030B

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Batch
Trichloroethene	<0.0007	mg/L	0.0007	0.001	1	12/13/21 13:20	HRS	L589858
Trichlorofluoromethane	<0.0005	mg/L	0.0005	0.001	1	12/13/21 13:20	HRS	L589858
1,2,3-Trichloropropane	<0.0007	mg/L	0.0007	0.001	1	12/13/21 13:20	HRS	L589858
1,2,4-Trimethylbenzene	<0.0005	mg/L	0.0005	0.001	1	12/13/21 13:20	HRS	L589858
1,3,5-Trimethylbenzene	<0.0006	mg/L	0.0006	0.001	1	12/13/21 13:20	HRS	L589858
Vinyl Acetate	<0.003	mg/L	0.003	0.010	1	12/13/21 13:20	HRS	L589858
Vinyl Chloride	<0.0005	mg/L	0.0005	0.001	1	12/13/21 13:20	HRS	L589858
Xylene (Total)	<0.0005	mg/L	0.0005	0.001	1	12/13/21 13:20		L589858
Surrogate: 4-Bromofluorobenzene	77.8		Limits: 71-137%		1	12/13/21 13:20	HRS	L589858
Surrogate: Dibromofluoromethane	97.2		Limits: 70-128%		1	12/13/21 13:20	HRS	L589858
Surrogate: 1,2-Dichloroethane - d4	81.4		Limits: 63-136%		1	12/13/21 13:20	HRS	L589858
Surrogate: Toluene-d8	87.8		Limits: 70-130%		1	12/13/21 13:20	HRS	L589858

Analytical Method: 8270D SIM **Prep Batch(es):** **L590223** 12/13/21 14:06
Prep Method: 3511

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Batch
Acenaphthene	<0.000018	mg/L	0.000018	0.000020	1	12/13/21 22:37	MED	L590228
Acenaphthylene	<0.000014	mg/L	0.000014	0.000020	1	12/13/21 22:37	MED	L590228
Anthracene	<0.000005	mg/L	0.000005	0.000020	1	12/13/21 22:37	MED	L590228
Benzo(a)anthracene	<0.000011	mg/L	0.000011	0.000020	1	12/13/21 22:37	MED	L590228
Benzo(a)pyrene	<0.000012	mg/L	0.000012	0.000020	1	12/13/21 22:37	MED	L590228
Benzo(b)fluoranthene	<0.000008	mg/L	0.000008	0.000020	1	12/13/21 22:37	MED	L590228

Qualifiers/ Definitions
* Outside QC Limit
J Estimated value
DF Dilution Factor
MQL Method Quantitation Limit

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Project Legends Park
Information : Project No. 0888830988

Report Date : 12/15/2021
Received : 12/10/2021

Rebekah Ross
Project Manager

Report Number : **21-344-0103**

REPORT OF ANALYSIS

Lab No : **96224**
Sample ID : **LEGGSB02**

Matrix: **Aqueous**
Sampled: **12/10/2021 11:45**

Analytical Method: 8270D SIM **Prep Batch(es):** **L590223** 12/13/21 14:06
Prep Method: 3511

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Batch
Benzo(g,h,i)perylene	<0.000007	mg/L	0.000007	0.000020	1	12/13/21 22:37	MED	L590228
Benzo(k)fluoranthene	<0.000016	mg/L	0.000016	0.000020	1	12/13/21 22:37	MED	L590228
Chrysene	<0.000008	mg/L	0.000008	0.000020	1	12/13/21 22:37	MED	L590228
Dibenz(a,h)anthracene	<0.000006	mg/L	0.000006	0.000020	1	12/13/21 22:37	MED	L590228
Fluoranthene	<0.000005	mg/L	0.000005	0.000020	1	12/13/21 22:37	MED	L590228
Fluorene	<0.000010	mg/L	0.000010	0.000020	1	12/13/21 22:37	MED	L590228
Indeno(1,2,3-cd)pyrene	<0.000014	mg/L	0.000014	0.000020	1	12/13/21 22:37	MED	L590228
1-Methylnaphthalene	<0.000007	mg/L	0.000007	0.000020	1	12/13/21 22:37	MED	L590228
2-Methylnaphthalene	<0.000018	mg/L	0.000018	0.000020	1	12/13/21 22:37	MED	L590228
Naphthalene	<0.000019	mg/L	0.000019	0.000020	1	12/13/21 22:37	MED	L590228
Phenanthrene	<0.000008	mg/L	0.000008	0.000020	1	12/13/21 22:37	MED	L590228
Pyrene	<0.000009	mg/L	0.000009	0.000020	1	12/13/21 22:37	MED	L590228
Surrogate: 2-Fluorobiphenyl	96.2		Limits: 70-130%		1	12/13/21 22:37	MED	L590228
Surrogate: 4-Terphenyl-d14	70.3		Limits: 70-130%		1	12/13/21 22:37	MED	L590228

Analytical Method: TN EPH **Prep Batch(es):** **L589700** 12/13/21 15:00
Prep Method: 3510C

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Batch
Diesel Range Organics (C10-C28)	**0.0576 J**	mg/L	0.0548	0.0900	1	12/15/21 11:53	MMK	L590249
Oil Range Organics (>C28-C40)	<0.0841	mg/L	0.0841	0.0900	1	12/15/21 11:53	MMK	L590249
TN EPH (C10-C40)	**0.0576 J**	mg/L	0.0548	0.0900	1	12/15/21 11:53		L590249
Surrogate: OTP Surrogate	**44.0 ***		Limits: 50-150%		1	12/14/21 14:49	MMK	L590249

Qualifiers/ Definitions

*	Outside QC Limit	DF	Dilution Factor
J	Estimated value	MQL	Method Quantitation Limit

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Project Legends Park

Information : Project No. 0888830988

Report Date : 12/15/2021
Received : 12/10/2021

Rebekah Ross
Project Manager

Report Number : **21-344-0103**

REPORT OF ANALYSIS

Lab No : **96225**
Sample ID : **LEGGSB03**

Matrix: **Aqueous**
Sampled: **12/10/2021 9:45**

Analytical Method: 8260B **Prep Batch(es):** **L589845** 12/13/21 08:55
Prep Method: 5030B

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Batch
Acetone	<0.005	mg/L	0.005	0.020	1	12/13/21 13:41	HRS	L589858
Acetonitrile	<0.029	mg/L	0.029	0.050	1	12/13/21 13:41	HRS	L589858
Acrolein	<0.005	mg/L	0.005	0.020	1	12/13/21 13:41	HRS	L589858
Acrylonitrile	<0.003	mg/L	0.003	0.020	1	12/13/21 13:41	HRS	L589858
Benzene	<0.0006	mg/L	0.0006	0.001	1	12/13/21 13:41	HRS	L589858
Bromobenzene	<0.0006	mg/L	0.0006	0.001	1	12/13/21 13:41	HRS	L589858
Bromochloromethane	<0.0005	mg/L	0.0005	0.001	1	12/13/21 13:41	HRS	L589858
Bromodichloromethane	<0.0007	mg/L	0.0007	0.001	1	12/13/21 13:41	HRS	L589858
Bromoform	<0.0009	mg/L	0.0009	0.001	1	12/13/21 13:41	HRS	L589858
Bromomethane	<0.001	mg/L	0.001	0.002	1	12/13/21 13:41	HRS	L589858
Methyl Ethyl Ketone (MEK)	<0.002	mg/L	0.002	0.020	1	12/13/21 13:41	HRS	L589858
n-Butylbenzene	<0.0007	mg/L	0.0007	0.001	1	12/13/21 13:41	HRS	L589858
sec-Butyl benzene	<0.0006	mg/L	0.0006	0.001	1	12/13/21 13:41	HRS	L589858
tert-Butyl benzene	<0.0006	mg/L	0.0006	0.001	1	12/13/21 13:41	HRS	L589858
Carbon Disulfide	<0.0008	mg/L	0.0008	0.001	1	12/13/21 13:41	HRS	L589858
Carbon Tetrachloride	<0.0004	mg/L	0.0004	0.001	1	12/13/21 13:41	HRS	L589858
Chlorobenzene	<0.0005	mg/L	0.0005	0.001	1	12/13/21 13:41	HRS	L589858
Chlorodibromomethane	<0.0008	mg/L	0.0008	0.001	1	12/13/21 13:41	HRS	L589858
Chloroethane	<0.0006	mg/L	0.0006	0.001	1	12/13/21 13:41	HRS	L589858
2-Chloroethylvinyl Ether	<0.002	mg/L	0.002	0.005	1	12/13/21 13:41	HRS	L589858
Chloroform	<0.0006	mg/L	0.0006	0.001	1	12/13/21 13:41	HRS	L589858
Chloromethane	<0.0009	mg/L	0.0009	0.001	1	12/13/21 13:41	HRS	L589858

Qualifiers/ Definitions

*	Outside QC Limit	DF	Dilution Factor
J	Estimated value	MQL	Method Quantitation Limit

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Report Date : 12/15/2021
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Rebekah Ross
Project Manager

Report Number : **21-344-0103**

REPORT OF ANALYSIS

Lab No : **96225**
Sample ID : **LEGGSB03**

Matrix: **Aqueous**
Sampled: **12/10/2021 9:45**

Analytical Method: 8260B **Prep Batch(es):** **L589845** 12/13/21 08:55
Prep Method: 5030B

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Batch
2-Chlorotoluene	<0.0005	mg/L	0.0005	0.001	1	12/13/21 13:41	HRS	L589858
4-Chlorotoluene	<0.0005	mg/L	0.0005	0.001	1	12/13/21 13:41	HRS	L589858
1,2-Dibromo-3-Chloropropane	<0.0010	mg/L	0.0010	0.002	1	12/13/21 13:41	HRS	L589858
1,2-Dibromoethane	<0.0007	mg/L	0.0007	0.001	1	12/13/21 13:41	HRS	L589858
Dibromomethane	<0.0006	mg/L	0.0006	0.001	1	12/13/21 13:41	HRS	L589858
1,2-Dichlorobenzene	<0.0007	mg/L	0.0007	0.001	1	12/13/21 13:41	HRS	L589858
1,3-Dichlorobenzene	<0.0008	mg/L	0.0008	0.001	1	12/13/21 13:41	HRS	L589858
1,4-Dichlorobenzene	<0.0007	mg/L	0.0007	0.001	1	12/13/21 13:41	HRS	L589858
Dichlorodifluoromethane	<0.0009	mg/L	0.0009	0.001	1	12/13/21 13:41	HRS	L589858
1,1-Dichloroethane	<0.0004	mg/L	0.0004	0.001	1	12/13/21 13:41	HRS	L589858
1,2-Dichloroethane	<0.0005	mg/L	0.0005	0.001	1	12/13/21 13:41	HRS	L589858
1,1-Dichloroethene	<0.0005	mg/L	0.0005	0.001	1	12/13/21 13:41	HRS	L589858
cis-1,2-Dichloroethene	<0.0004	mg/L	0.0004	0.001	1	12/13/21 13:41	HRS	L589858
trans-1,2-Dichloroethene	<0.0005	mg/L	0.0005	0.001	1	12/13/21 13:41	HRS	L589858
1,2-Dichloroethene (Total)	<0.0004	mg/L	0.0004	0.001	1	12/13/21 13:41		L589858
1,2-Dichloropropane	<0.0005	mg/L	0.0005	0.001	1	12/13/21 13:41	HRS	L589858
1,3-Dichloropropane	<0.0005	mg/L	0.0005	0.001	1	12/13/21 13:41	HRS	L589858
2,2-Dichloropropane	<0.0007	mg/L	0.0007	0.001	1	12/13/21 13:41	HRS	L589858
1,1-Dichloropropene	<0.0007	mg/L	0.0007	0.001	1	12/13/21 13:41	HRS	L589858
cis-1,3-Dichloropropene	<0.0007	mg/L	0.0007	0.001	1	12/13/21 13:41	HRS	L589858
trans-1,3-Dichloropropene	<0.0008	mg/L	0.0008	0.001	1	12/13/21 13:41	HRS	L589858
Ethyl Acetate	<0.004	mg/L	0.004	0.010	1	12/13/21 13:41	HRS	L589858

Qualifiers/ Definitions

*	Outside QC Limit	DF	Dilution Factor
J	Estimated value	MQL	Method Quantitation Limit

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Project Legends Park

Information : Project No. 0888830988

Report Date : 12/15/2021
Received : 12/10/2021

Rebekah Ross
Project Manager

Report Number : **21-344-0103**

REPORT OF ANALYSIS

Lab No : **96225**
Sample ID : **LEGGSB03**

Matrix: **Aqueous**
Sampled: **12/10/2021 9:45**

Analytical Method: 8260B **Prep Batch(es):** **L589845** 12/13/21 08:55
Prep Method: 5030B

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Batch
Ethylbenzene	<0.0006	mg/L	0.0006	0.001	1	12/13/21 13:41	HRS	L589858
Hexachlorobutadiene	<0.0009	mg/L	0.0009	0.001	1	12/13/21 13:41	HRS	L589858
2-Hexanone	<0.002	mg/L	0.002	0.005	1	12/13/21 13:41	HRS	L589858
Iodomethane	<0.002	mg/L	0.002	0.005	1	12/13/21 13:41	HRS	L589858
Isopropylbenzene	<0.0005	mg/L	0.0005	0.001	1	12/13/21 13:41	HRS	L589858
4-Isopropyl toluene	<0.0006	mg/L	0.0006	0.001	1	12/13/21 13:41	HRS	L589858
4-Methyl-2-Pentanone	<0.002	mg/L	0.002	0.005	1	12/13/21 13:41	HRS	L589858
Methylene Chloride	<0.002	mg/L	0.002	0.005	1	12/13/21 13:41	HRS	L589858
Methyl tert-butyl ether (MTBE)	<0.0006	mg/L	0.0006	0.001	1	12/13/21 13:41	HRS	L589858
m,p-Xylene	<0.001	mg/L	0.001	0.002	1	12/13/21 13:41	HRS	L589858
Naphthalene	<0.004	mg/L	0.004	0.005	1	12/13/21 13:41	HRS	L589858
o-Xylene	<0.0005	mg/L	0.0005	0.001	1	12/13/21 13:41	HRS	L589858
n-Propylbenzene	<0.0005	mg/L	0.0005	0.001	1	12/13/21 13:41	HRS	L589858
Styrene	<0.0005	mg/L	0.0005	0.001	1	12/13/21 13:41	HRS	L589858
1,1,1,2-Tetrachloroethane	<0.0008	mg/L	0.0008	0.001	1	12/13/21 13:41	HRS	L589858
1,1,2,2-Tetrachloroethane	<0.0009	mg/L	0.0009	0.001	1	12/13/21 13:41	HRS	L589858
Tetrachloroethene	<0.0005	mg/L	0.0005	0.001	1	12/13/21 13:41	HRS	L589858
Toluene	**0.0007 J**	mg/L	0.0005	0.002	1	12/13/21 13:41	HRS	L589858
1,2,3-Trichlorobenzene	<0.001	mg/L	0.001	0.002	1	12/13/21 13:41	HRS	L589858
1,2,4-Trichlorobenzene	<0.0009	mg/L	0.0009	0.002	1	12/13/21 13:41	HRS	L589858
1,1,1-Trichloroethane	<0.0004	mg/L	0.0004	0.001	1	12/13/21 13:41	HRS	L589858
1,1,2-Trichloroethane	<0.0006	mg/L	0.0006	0.001	1	12/13/21 13:41	HRS	L589858

Qualifiers/ Definitions

*	Outside QC Limit	DF	Dilution Factor
J	Estimated value	MQL	Method Quantitation Limit

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REPORT OF ANALYSIS

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Matrix: **Aqueous**
Sampled: **12/10/2021 9:45**

Analytical Method: 8260B **Prep Batch(es):** **L589845** 12/13/21 08:55
Prep Method: 5030B

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Batch
Trichloroethene	<0.0007	mg/L	0.0007	0.001	1	12/13/21 13:41	HRS	L589858
Trichlorofluoromethane	<0.0005	mg/L	0.0005	0.001	1	12/13/21 13:41	HRS	L589858
1,2,3-Trichloropropane	<0.0007	mg/L	0.0007	0.001	1	12/13/21 13:41	HRS	L589858
1,2,4-Trimethylbenzene	<0.0005	mg/L	0.0005	0.001	1	12/13/21 13:41	HRS	L589858
1,3,5-Trimethylbenzene	<0.0006	mg/L	0.0006	0.001	1	12/13/21 13:41	HRS	L589858
Vinyl Acetate	<0.003	mg/L	0.003	0.010	1	12/13/21 13:41	HRS	L589858
Vinyl Chloride	<0.0005	mg/L	0.0005	0.001	1	12/13/21 13:41	HRS	L589858
Xylene (Total)	<0.0005	mg/L	0.0005	0.001	1	12/13/21 13:41		L589858
Surrogate: 4-Bromofluorobenzene	73.0		Limits: 71-137%		1	12/13/21 13:41	HRS	L589858
Surrogate: Dibromofluoromethane	94.6		Limits: 70-128%		1	12/13/21 13:41	HRS	L589858
Surrogate: 1,2-Dichloroethane - d4	78.8		Limits: 63-136%		1	12/13/21 13:41	HRS	L589858
Surrogate: Toluene-d8	84.0		Limits: 70-130%		1	12/13/21 13:41	HRS	L589858

Analytical Method: 8270D SIM **Prep Batch(es):** **L590223** 12/13/21 14:06
Prep Method: 3511

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Batch
Acenaphthene	<0.000018	mg/L	0.000018	0.000020	1	12/13/21 22:58	MED	L590228
Acenaphthylene	<0.000014	mg/L	0.000014	0.000020	1	12/13/21 22:58	MED	L590228
Anthracene	<0.000005	mg/L	0.000005	0.000020	1	12/13/21 22:58	MED	L590228
Benzo(a)anthracene	<0.000011	mg/L	0.000011	0.000020	1	12/13/21 22:58	MED	L590228
Benzo(a)pyrene	<0.000012	mg/L	0.000012	0.000020	1	12/13/21 22:58	MED	L590228
Benzo(b)fluoranthene	<0.000008	mg/L	0.000008	0.000020	1	12/13/21 22:58	MED	L590228

Qualifiers/ Definitions
* Outside QC Limit
J Estimated value
DF Dilution Factor
MQL Method Quantitation Limit

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REPORT OF ANALYSIS

Lab No : **96225**
Sample ID : **LEGGSB03**

Matrix: **Aqueous**
Sampled: **12/10/2021 9:45**

Analytical Method: 8270D SIM **Prep Batch(es):** **L590223** 12/13/21 14:06
Prep Method: 3511

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Batch
Benzo(g,h,i)perylene	<0.000007	mg/L	0.000007	0.000020	1	12/13/21 22:58	MED	L590228
Benzo(k)fluoranthene	<0.000016	mg/L	0.000016	0.000020	1	12/13/21 22:58	MED	L590228
Chrysene	<0.000008	mg/L	0.000008	0.000020	1	12/13/21 22:58	MED	L590228
Dibenz(a,h)anthracene	<0.000006	mg/L	0.000006	0.000020	1	12/13/21 22:58	MED	L590228
Fluoranthene	<0.000005	mg/L	0.000005	0.000020	1	12/13/21 22:58	MED	L590228
Fluorene	<0.000010	mg/L	0.000010	0.000020	1	12/13/21 22:58	MED	L590228
Indeno(1,2,3-cd)pyrene	<0.000014	mg/L	0.000014	0.000020	1	12/13/21 22:58	MED	L590228
1-Methylnaphthalene	<0.000007	mg/L	0.000007	0.000020	1	12/13/21 22:58	MED	L590228
2-Methylnaphthalene	<0.000018	mg/L	0.000018	0.000020	1	12/13/21 22:58	MED	L590228
Naphthalene	**0.000042**	mg/L	0.000019	0.000020	1	12/13/21 22:58	MED	L590228
Phenanthrene	<0.000008	mg/L	0.000008	0.000020	1	12/13/21 22:58	MED	L590228
Pyrene	<0.000009	mg/L	0.000009	0.000020	1	12/13/21 22:58	MED	L590228
Surrogate: 2-Fluorobiphenyl	101		Limits: 70-130%		1	12/13/21 22:58	MED	L590228
Surrogate: 4-Terphenyl-d14	**64.7 ***		Limits: 70-130%		1	12/13/21 22:58	MED	L590228

Analytical Method: TN EPH **Prep Batch(es):** **L589700** 12/13/21 15:00
Prep Method: 3510C

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Batch
Diesel Range Organics (C10-C28)	**0.111**	mg/L	0.0548	0.0900	1	12/15/21 12:12	MMK	L590249
Oil Range Organics (>C28-C40)	<0.0841	mg/L	0.0841	0.0900	1	12/15/21 12:12	MMK	L590249
TN EPH (C10-C40)	**0.111**	mg/L	0.0548	0.0900	1	12/15/21 12:12		L590249
Surrogate: OTP Surrogate	56.2		Limits: 50-150%		1	12/15/21 12:12	MMK	L590249

Qualifiers/ Definitions
* Outside QC Limit
J Estimated value
DF Dilution Factor
MQL Method Quantitation Limit

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Report Number : **21-344-0103**

REPORT OF ANALYSIS

Lab No : **96226**
Sample ID : **LEGGSB04**

Matrix: **Aqueous**
Sampled: **12/10/2021 11:15**

Analytical Method: 8260B **Prep Batch(es):** **L589845** 12/13/21 08:55
Prep Method: 5030B

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Batch
Acetone	<0.005	mg/L	0.005	0.020	1	12/13/21 14:01	HRS	L589858
Acetonitrile	<0.029	mg/L	0.029	0.050	1	12/13/21 14:01	HRS	L589858
Acrolein	<0.005	mg/L	0.005	0.020	1	12/13/21 14:01	HRS	L589858
Acrylonitrile	<0.003	mg/L	0.003	0.020	1	12/13/21 14:01	HRS	L589858
Benzene	<0.0006	mg/L	0.0006	0.001	1	12/13/21 14:01	HRS	L589858
Bromobenzene	<0.0006	mg/L	0.0006	0.001	1	12/13/21 14:01	HRS	L589858
Bromochloromethane	<0.0005	mg/L	0.0005	0.001	1	12/13/21 14:01	HRS	L589858
Bromodichloromethane	<0.0007	mg/L	0.0007	0.001	1	12/13/21 14:01	HRS	L589858
Bromoform	<0.0009	mg/L	0.0009	0.001	1	12/13/21 14:01	HRS	L589858
Bromomethane	<0.001	mg/L	0.001	0.002	1	12/13/21 14:01	HRS	L589858
Methyl Ethyl Ketone (MEK)	<0.002	mg/L	0.002	0.020	1	12/13/21 14:01	HRS	L589858
n-Butylbenzene	<0.0007	mg/L	0.0007	0.001	1	12/13/21 14:01	HRS	L589858
sec-Butyl benzene	<0.0006	mg/L	0.0006	0.001	1	12/13/21 14:01	HRS	L589858
tert-Butyl benzene	<0.0006	mg/L	0.0006	0.001	1	12/13/21 14:01	HRS	L589858
Carbon Disulfide	<0.0008	mg/L	0.0008	0.001	1	12/13/21 14:01	HRS	L589858
Carbon Tetrachloride	<0.0004	mg/L	0.0004	0.001	1	12/13/21 14:01	HRS	L589858
Chlorobenzene	<0.0005	mg/L	0.0005	0.001	1	12/13/21 14:01	HRS	L589858
Chlorodibromomethane	<0.0008	mg/L	0.0008	0.001	1	12/13/21 14:01	HRS	L589858
Chloroethane	<0.0006	mg/L	0.0006	0.001	1	12/13/21 14:01	HRS	L589858
2-Chloroethylvinyl Ether	<0.002	mg/L	0.002	0.005	1	12/13/21 14:01	HRS	L589858
Chloroform	<0.0006	mg/L	0.0006	0.001	1	12/13/21 14:01	HRS	L589858
Chloromethane	<0.0009	mg/L	0.0009	0.001	1	12/13/21 14:01	HRS	L589858

Qualifiers/ Definitions

*	Outside QC Limit	DF	Dilution Factor
J	Estimated value	MQL	Method Quantitation Limit

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Matrix: **Aqueous**
Sampled: **12/10/2021 11:15**

Analytical Method: 8260B **Prep Batch(es):** **L589845** 12/13/21 08:55
Prep Method: 5030B

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Batch
2-Chlorotoluene	<0.0005	mg/L	0.0005	0.001	1	12/13/21 14:01	HRS	L589858
4-Chlorotoluene	<0.0005	mg/L	0.0005	0.001	1	12/13/21 14:01	HRS	L589858
1,2-Dibromo-3-Chloropropane	<0.0010	mg/L	0.0010	0.002	1	12/13/21 14:01	HRS	L589858
1,2-Dibromoethane	<0.0007	mg/L	0.0007	0.001	1	12/13/21 14:01	HRS	L589858
Dibromomethane	<0.0006	mg/L	0.0006	0.001	1	12/13/21 14:01	HRS	L589858
1,2-Dichlorobenzene	<0.0007	mg/L	0.0007	0.001	1	12/13/21 14:01	HRS	L589858
1,3-Dichlorobenzene	<0.0008	mg/L	0.0008	0.001	1	12/13/21 14:01	HRS	L589858
1,4-Dichlorobenzene	<0.0007	mg/L	0.0007	0.001	1	12/13/21 14:01	HRS	L589858
Dichlorodifluoromethane	<0.0009	mg/L	0.0009	0.001	1	12/13/21 14:01	HRS	L589858
1,1-Dichloroethane	<0.0004	mg/L	0.0004	0.001	1	12/13/21 14:01	HRS	L589858
1,2-Dichloroethane	<0.0005	mg/L	0.0005	0.001	1	12/13/21 14:01	HRS	L589858
1,1-Dichloroethene	<0.0005	mg/L	0.0005	0.001	1	12/13/21 14:01	HRS	L589858
cis-1,2-Dichloroethene	<0.0004	mg/L	0.0004	0.001	1	12/13/21 14:01	HRS	L589858
trans-1,2-Dichloroethene	<0.0005	mg/L	0.0005	0.001	1	12/13/21 14:01	HRS	L589858
1,2-Dichloroethene (Total)	<0.0004	mg/L	0.0004	0.001	1	12/13/21 14:01		L589858
1,2-Dichloropropane	<0.0005	mg/L	0.0005	0.001	1	12/13/21 14:01	HRS	L589858
1,3-Dichloropropane	<0.0005	mg/L	0.0005	0.001	1	12/13/21 14:01	HRS	L589858
2,2-Dichloropropane	<0.0007	mg/L	0.0007	0.001	1	12/13/21 14:01	HRS	L589858
1,1-Dichloropropene	<0.0007	mg/L	0.0007	0.001	1	12/13/21 14:01	HRS	L589858
cis-1,3-Dichloropropene	<0.0007	mg/L	0.0007	0.001	1	12/13/21 14:01	HRS	L589858
trans-1,3-Dichloropropene	<0.0008	mg/L	0.0008	0.001	1	12/13/21 14:01	HRS	L589858
Ethyl Acetate	<0.004	mg/L	0.004	0.010	1	12/13/21 14:01	HRS	L589858

Qualifiers/ Definitions

*	Outside QC Limit	DF	Dilution Factor
J	Estimated value	MQL	Method Quantitation Limit

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Analytical Method: 8260B **Prep Batch(es):** **L589845** 12/13/21 08:55
Prep Method: 5030B

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Batch
Ethylbenzene	<0.0006	mg/L	0.0006	0.001	1	12/13/21 14:01	HRS	L589858
Hexachlorobutadiene	<0.0009	mg/L	0.0009	0.001	1	12/13/21 14:01	HRS	L589858
2-Hexanone	<0.002	mg/L	0.002	0.005	1	12/13/21 14:01	HRS	L589858
Iodomethane	<0.002	mg/L	0.002	0.005	1	12/13/21 14:01	HRS	L589858
Isopropylbenzene	<0.0005	mg/L	0.0005	0.001	1	12/13/21 14:01	HRS	L589858
4-Isopropyl toluene	<0.0006	mg/L	0.0006	0.001	1	12/13/21 14:01	HRS	L589858
4-Methyl-2-Pentanone	<0.002	mg/L	0.002	0.005	1	12/13/21 14:01	HRS	L589858
Methylene Chloride	<0.002	mg/L	0.002	0.005	1	12/13/21 14:01	HRS	L589858
Methyl tert-butyl ether (MTBE)	<0.0006	mg/L	0.0006	0.001	1	12/13/21 14:01	HRS	L589858
m,p-Xylene	<0.001	mg/L	0.001	0.002	1	12/13/21 14:01	HRS	L589858
Naphthalene	<0.004	mg/L	0.004	0.005	1	12/13/21 14:01	HRS	L589858
o-Xylene	<0.0005	mg/L	0.0005	0.001	1	12/13/21 14:01	HRS	L589858
n-Propylbenzene	<0.0005	mg/L	0.0005	0.001	1	12/13/21 14:01	HRS	L589858
Styrene	<0.0005	mg/L	0.0005	0.001	1	12/13/21 14:01	HRS	L589858
1,1,1,2-Tetrachloroethane	<0.0008	mg/L	0.0008	0.001	1	12/13/21 14:01	HRS	L589858
1,1,2,2-Tetrachloroethane	<0.0009	mg/L	0.0009	0.001	1	12/13/21 14:01	HRS	L589858
Tetrachloroethene	<0.0005	mg/L	0.0005	0.001	1	12/13/21 14:01	HRS	L589858
Toluene	<0.0005	mg/L	0.0005	0.002	1	12/13/21 14:01	HRS	L589858
1,2,3-Trichlorobenzene	<0.001	mg/L	0.001	0.002	1	12/13/21 14:01	HRS	L589858
1,2,4-Trichlorobenzene	<0.0009	mg/L	0.0009	0.002	1	12/13/21 14:01	HRS	L589858
1,1,1-Trichloroethane	<0.0004	mg/L	0.0004	0.001	1	12/13/21 14:01	HRS	L589858
1,1,2-Trichloroethane	<0.0006	mg/L	0.0006	0.001	1	12/13/21 14:01	HRS	L589858

Qualifiers/ Definitions

*	Outside QC Limit	DF	Dilution Factor
J	Estimated value	MQL	Method Quantitation Limit

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Matrix: **Aqueous**
Sampled: **12/10/2021 11:15**

Analytical Method: 8260B **Prep Batch(es):** **L589845** 12/13/21 08:55
Prep Method: 5030B

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Batch
Trichloroethene	<0.0007	mg/L	0.0007	0.001	1	12/13/21 14:01	HRS	L589858
Trichlorofluoromethane	<0.0005	mg/L	0.0005	0.001	1	12/13/21 14:01	HRS	L589858
1,2,3-Trichloropropane	<0.0007	mg/L	0.0007	0.001	1	12/13/21 14:01	HRS	L589858
1,2,4-Trimethylbenzene	<0.0005	mg/L	0.0005	0.001	1	12/13/21 14:01	HRS	L589858
1,3,5-Trimethylbenzene	<0.0006	mg/L	0.0006	0.001	1	12/13/21 14:01	HRS	L589858
Vinyl Acetate	<0.003	mg/L	0.003	0.010	1	12/13/21 14:01	HRS	L589858
Vinyl Chloride	<0.0005	mg/L	0.0005	0.001	1	12/13/21 14:01	HRS	L589858
Xylene (Total)	<0.0005	mg/L	0.0005	0.001	1	12/13/21 14:01		L589858
Surrogate: 4-Bromofluorobenzene	76.6		Limits: 71-137%		1	12/13/21 14:01	HRS	L589858
Surrogate: Dibromofluoromethane	98.8		Limits: 70-128%		1	12/13/21 14:01	HRS	L589858
Surrogate: 1,2-Dichloroethane - d4	82.2		Limits: 63-136%		1	12/13/21 14:01	HRS	L589858
Surrogate: Toluene-d8	87.4		Limits: 70-130%		1	12/13/21 14:01	HRS	L589858

Analytical Method: 8270D SIM **Prep Batch(es):** **L590223** 12/13/21 14:06
Prep Method: 3511

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Batch
Acenaphthene	<0.000018	mg/L	0.000018	0.000020	1	12/13/21 23:18	MED	L590228
Acenaphthylene	<0.000014	mg/L	0.000014	0.000020	1	12/13/21 23:18	MED	L590228
Anthracene	<0.000005	mg/L	0.000005	0.000020	1	12/13/21 23:18	MED	L590228
Benzo(a)anthracene	<0.000011	mg/L	0.000011	0.000020	1	12/13/21 23:18	MED	L590228
Benzo(a)pyrene	<0.000012	mg/L	0.000012	0.000020	1	12/13/21 23:18	MED	L590228
Benzo(b)fluoranthene	<0.000008	mg/L	0.000008	0.000020	1	12/13/21 23:18	MED	L590228

Qualifiers/ Definitions
* Outside QC Limit
J Estimated value
DF Dilution Factor
MQL Method Quantitation Limit

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Project Legends Park
Information : Project No. 0888830988

Report Date : 12/15/2021
Received : 12/10/2021

Rebekah Ross
Project Manager

Report Number : **21-344-0103**

REPORT OF ANALYSIS

Lab No : **96226**
Sample ID : **LEGGSB04**

Matrix: **Aqueous**
Sampled: **12/10/2021 11:15**

Analytical Method: 8270D SIM **Prep Batch(es):** **L590223** 12/13/21 14:06
Prep Method: 3511

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Batch
Benzo(g,h,i)perylene	<0.000007	mg/L	0.000007	0.000020	1	12/13/21 23:18	MED	L590228
Benzo(k)fluoranthene	<0.000016	mg/L	0.000016	0.000020	1	12/13/21 23:18	MED	L590228
Chrysene	<0.000008	mg/L	0.000008	0.000020	1	12/13/21 23:18	MED	L590228
Dibenz(a,h)anthracene	<0.000006	mg/L	0.000006	0.000020	1	12/13/21 23:18	MED	L590228
Fluoranthene	<0.000005	mg/L	0.000005	0.000020	1	12/13/21 23:18	MED	L590228
Fluorene	<0.000010	mg/L	0.000010	0.000020	1	12/13/21 23:18	MED	L590228
Indeno(1,2,3-cd)pyrene	<0.000014	mg/L	0.000014	0.000020	1	12/13/21 23:18	MED	L590228
1-Methylnaphthalene	<0.000007	mg/L	0.000007	0.000020	1	12/13/21 23:18	MED	L590228
2-Methylnaphthalene	<0.000018	mg/L	0.000018	0.000020	1	12/13/21 23:18	MED	L590228
Naphthalene	<0.000019	mg/L	0.000019	0.000020	1	12/13/21 23:18	MED	L590228
Phenanthrene	<0.000008	mg/L	0.000008	0.000020	1	12/13/21 23:18	MED	L590228
Pyrene	<0.000009	mg/L	0.000009	0.000020	1	12/13/21 23:18	MED	L590228
Surrogate: 2-Fluorobiphenyl	101		Limits: 70-130%		1	12/13/21 23:18	MED	L590228
Surrogate: 4-Terphenyl-d14	70.1		Limits: 70-130%		1	12/13/21 23:18	MED	L590228

Analytical Method: TN EPH **Prep Batch(es):** **L589700** 12/13/21 15:00
Prep Method: 3510C

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Batch
Diesel Range Organics (C10-C28)	**0.243**	mg/L	0.0548	0.0900	1	12/15/21 12:31	MMK	L590249
Oil Range Organics (>C28-C40)	**0.0883 J**	mg/L	0.0841	0.0900	1	12/15/21 12:31	MMK	L590249
TN EPH (C10-C40)	**0.331 J**	mg/L	0.0548	0.0900	1	12/15/21 12:31		L590249
Surrogate: OTP Surrogate	52.0		Limits: 50-150%		1	12/15/21 12:31	MMK	L590249

Qualifiers/ Definitions
* Outside QC Limit
J Estimated value
DF Dilution Factor
MQL Method Quantitation Limit

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Information : Project No. 0888830988

Report Date : 12/15/2021
Received : 12/10/2021

Rebekah Ross
Project Manager

Report Number : **21-344-0103**

REPORT OF ANALYSIS

Lab No : **96227**
Sample ID : **LEGGSB05**

Matrix: **Aqueous**
Sampled: **12/10/2021 10:20**

Analytical Method: 8260B **Prep Batch(es):** **L589845** 12/13/21 08:55
Prep Method: 5030B

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Batch
Acetone	**0.010 J**	mg/L	0.005	0.020	1	12/13/21 14:21	HRS	L589858
Acetonitrile	<0.029	mg/L	0.029	0.050	1	12/13/21 14:21	HRS	L589858
Acrolein	<0.005	mg/L	0.005	0.020	1	12/13/21 14:21	HRS	L589858
Acrylonitrile	<0.003	mg/L	0.003	0.020	1	12/13/21 14:21	HRS	L589858
Benzene	<0.0006	mg/L	0.0006	0.001	1	12/13/21 14:21	HRS	L589858
Bromobenzene	<0.0006	mg/L	0.0006	0.001	1	12/13/21 14:21	HRS	L589858
Bromochloromethane	<0.0005	mg/L	0.0005	0.001	1	12/13/21 14:21	HRS	L589858
Bromodichloromethane	<0.0007	mg/L	0.0007	0.001	1	12/13/21 14:21	HRS	L589858
Bromoform	<0.0009	mg/L	0.0009	0.001	1	12/13/21 14:21	HRS	L589858
Bromomethane	<0.001	mg/L	0.001	0.002	1	12/13/21 14:21	HRS	L589858
Methyl Ethyl Ketone (MEK)	<0.002	mg/L	0.002	0.020	1	12/13/21 14:21	HRS	L589858
n-Butylbenzene	<0.0007	mg/L	0.0007	0.001	1	12/13/21 14:21	HRS	L589858
sec-Butyl benzene	<0.0006	mg/L	0.0006	0.001	1	12/13/21 14:21	HRS	L589858
tert-Butyl benzene	<0.0006	mg/L	0.0006	0.001	1	12/13/21 14:21	HRS	L589858
Carbon Disulfide	<0.0008	mg/L	0.0008	0.001	1	12/13/21 14:21	HRS	L589858
Carbon Tetrachloride	<0.0004	mg/L	0.0004	0.001	1	12/13/21 14:21	HRS	L589858
Chlorobenzene	<0.0005	mg/L	0.0005	0.001	1	12/13/21 14:21	HRS	L589858
Chlorodibromomethane	<0.0008	mg/L	0.0008	0.001	1	12/13/21 14:21	HRS	L589858
Chloroethane	<0.0006	mg/L	0.0006	0.001	1	12/13/21 14:21	HRS	L589858
2-Chloroethylvinyl Ether	<0.002	mg/L	0.002	0.005	1	12/13/21 14:21	HRS	L589858
Chloroform	<0.0006	mg/L	0.0006	0.001	1	12/13/21 14:21	HRS	L589858
Chloromethane	<0.0009	mg/L	0.0009	0.001	1	12/13/21 14:21	HRS	L589858

Qualifiers/ Definitions

*	Outside QC Limit	DF	Dilution Factor
J	Estimated value	MQL	Method Quantitation Limit

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Report Date : 12/15/2021
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Rebekah Ross
Project Manager

Report Number : **21-344-0103**

REPORT OF ANALYSIS

Lab No : **96227**
Sample ID : **LEGGSB05**

Matrix: **Aqueous**
Sampled: **12/10/2021 10:20**

Analytical Method: 8260B **Prep Batch(es):** **L589845** 12/13/21 08:55
Prep Method: 5030B

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Batch
2-Chlorotoluene	<0.0005	mg/L	0.0005	0.001	1	12/13/21 14:21	HRS	L589858
4-Chlorotoluene	<0.0005	mg/L	0.0005	0.001	1	12/13/21 14:21	HRS	L589858
1,2-Dibromo-3-Chloropropane	<0.0010	mg/L	0.0010	0.002	1	12/13/21 14:21	HRS	L589858
1,2-Dibromoethane	<0.0007	mg/L	0.0007	0.001	1	12/13/21 14:21	HRS	L589858
Dibromomethane	<0.0006	mg/L	0.0006	0.001	1	12/13/21 14:21	HRS	L589858
1,2-Dichlorobenzene	<0.0007	mg/L	0.0007	0.001	1	12/13/21 14:21	HRS	L589858
1,3-Dichlorobenzene	<0.0008	mg/L	0.0008	0.001	1	12/13/21 14:21	HRS	L589858
1,4-Dichlorobenzene	<0.0007	mg/L	0.0007	0.001	1	12/13/21 14:21	HRS	L589858
Dichlorodifluoromethane	<0.0009	mg/L	0.0009	0.001	1	12/13/21 14:21	HRS	L589858
1,1-Dichloroethane	<0.0004	mg/L	0.0004	0.001	1	12/13/21 14:21	HRS	L589858
1,2-Dichloroethane	<0.0005	mg/L	0.0005	0.001	1	12/13/21 14:21	HRS	L589858
1,1-Dichloroethene	<0.0005	mg/L	0.0005	0.001	1	12/13/21 14:21	HRS	L589858
cis-1,2-Dichloroethene	<0.0004	mg/L	0.0004	0.001	1	12/13/21 14:21	HRS	L589858
trans-1,2-Dichloroethene	<0.0005	mg/L	0.0005	0.001	1	12/13/21 14:21	HRS	L589858
1,2-Dichloroethene (Total)	<0.0004	mg/L	0.0004	0.001	1	12/13/21 14:21		L589858
1,2-Dichloropropane	<0.0005	mg/L	0.0005	0.001	1	12/13/21 14:21	HRS	L589858
1,3-Dichloropropane	<0.0005	mg/L	0.0005	0.001	1	12/13/21 14:21	HRS	L589858
2,2-Dichloropropane	<0.0007	mg/L	0.0007	0.001	1	12/13/21 14:21	HRS	L589858
1,1-Dichloropropene	<0.0007	mg/L	0.0007	0.001	1	12/13/21 14:21	HRS	L589858
cis-1,3-Dichloropropene	<0.0007	mg/L	0.0007	0.001	1	12/13/21 14:21	HRS	L589858
trans-1,3-Dichloropropene	<0.0008	mg/L	0.0008	0.001	1	12/13/21 14:21	HRS	L589858
Ethyl Acetate	<0.004	mg/L	0.004	0.010	1	12/13/21 14:21	HRS	L589858

Qualifiers/ Definitions

*	Outside QC Limit	DF	Dilution Factor
J	Estimated value	MQL	Method Quantitation Limit

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Project Legends Park

Information : Project No. 0888830988

Report Date : 12/15/2021
Received : 12/10/2021

Rebekah Ross
Project Manager

Report Number : **21-344-0103**

REPORT OF ANALYSIS

Lab No : **96227**
Sample ID : **LEGGSB05**

Matrix: **Aqueous**
Sampled: **12/10/2021 10:20**

Analytical Method: 8260B **Prep Batch(es):** **L589845** 12/13/21 08:55
Prep Method: 5030B

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Batch
Ethylbenzene	<0.0006	mg/L	0.0006	0.001	1	12/13/21 14:21	HRS	L589858
Hexachlorobutadiene	<0.0009	mg/L	0.0009	0.001	1	12/13/21 14:21	HRS	L589858
2-Hexanone	<0.002	mg/L	0.002	0.005	1	12/13/21 14:21	HRS	L589858
Iodomethane	<0.002	mg/L	0.002	0.005	1	12/13/21 14:21	HRS	L589858
Isopropylbenzene	<0.0005	mg/L	0.0005	0.001	1	12/13/21 14:21	HRS	L589858
4-Isopropyl toluene	<0.0006	mg/L	0.0006	0.001	1	12/13/21 14:21	HRS	L589858
4-Methyl-2-Pentanone	<0.002	mg/L	0.002	0.005	1	12/13/21 14:21	HRS	L589858
Methylene Chloride	<0.002	mg/L	0.002	0.005	1	12/13/21 14:21	HRS	L589858
Methyl tert-butyl ether (MTBE)	<0.0006	mg/L	0.0006	0.001	1	12/13/21 14:21	HRS	L589858
m,p-Xylene	<0.001	mg/L	0.001	0.002	1	12/13/21 14:21	HRS	L589858
Naphthalene	<0.004	mg/L	0.004	0.005	1	12/13/21 14:21	HRS	L589858
o-Xylene	<0.0005	mg/L	0.0005	0.001	1	12/13/21 14:21	HRS	L589858
n-Propylbenzene	<0.0005	mg/L	0.0005	0.001	1	12/13/21 14:21	HRS	L589858
Styrene	<0.0005	mg/L	0.0005	0.001	1	12/13/21 14:21	HRS	L589858
1,1,1,2-Tetrachloroethane	<0.0008	mg/L	0.0008	0.001	1	12/13/21 14:21	HRS	L589858
1,1,2,2-Tetrachloroethane	<0.0009	mg/L	0.0009	0.001	1	12/13/21 14:21	HRS	L589858
Tetrachloroethene	<0.0005	mg/L	0.0005	0.001	1	12/13/21 14:21	HRS	L589858
Toluene	<0.0005	mg/L	0.0005	0.002	1	12/13/21 14:21	HRS	L589858
1,2,3-Trichlorobenzene	<0.001	mg/L	0.001	0.002	1	12/13/21 14:21	HRS	L589858
1,2,4-Trichlorobenzene	<0.0009	mg/L	0.0009	0.002	1	12/13/21 14:21	HRS	L589858
1,1,1-Trichloroethane	<0.0004	mg/L	0.0004	0.001	1	12/13/21 14:21	HRS	L589858
1,1,2-Trichloroethane	<0.0006	mg/L	0.0006	0.001	1	12/13/21 14:21	HRS	L589858

Qualifiers/ Definitions

*	Outside QC Limit	DF	Dilution Factor
J	Estimated value	MQL	Method Quantitation Limit

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Information : Project No. 0888830988

Report Date : 12/15/2021
Received : 12/10/2021

Rebekah Ross
Project Manager

Report Number : **21-344-0103**

REPORT OF ANALYSIS

Lab No : **96227**
Sample ID : **LEGGSB05**

Matrix: **Aqueous**
Sampled: **12/10/2021 10:20**

Analytical Method: 8260B **Prep Batch(es):** **L589845** 12/13/21 08:55
Prep Method: 5030B

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Batch
Trichloroethene	<0.0007	mg/L	0.0007	0.001	1	12/13/21 14:21	HRS	L589858
Trichlorofluoromethane	<0.0005	mg/L	0.0005	0.001	1	12/13/21 14:21	HRS	L589858
1,2,3-Trichloropropane	<0.0007	mg/L	0.0007	0.001	1	12/13/21 14:21	HRS	L589858
1,2,4-Trimethylbenzene	<0.0005	mg/L	0.0005	0.001	1	12/13/21 14:21	HRS	L589858
1,3,5-Trimethylbenzene	<0.0006	mg/L	0.0006	0.001	1	12/13/21 14:21	HRS	L589858
Vinyl Acetate	<0.003	mg/L	0.003	0.010	1	12/13/21 14:21	HRS	L589858
Vinyl Chloride	<0.0005	mg/L	0.0005	0.001	1	12/13/21 14:21	HRS	L589858
Xylene (Total)	<0.0005	mg/L	0.0005	0.001	1	12/13/21 14:21		L589858
Surrogate: 4-Bromofluorobenzene	79.0		Limits: 71-137%		1	12/13/21 14:21	HRS	L589858
Surrogate: Dibromofluoromethane	102		Limits: 70-128%		1	12/13/21 14:21	HRS	L589858
Surrogate: 1,2-Dichloroethane - d4	85.6		Limits: 63-136%		1	12/13/21 14:21	HRS	L589858
Surrogate: Toluene-d8	91.0		Limits: 70-130%		1	12/13/21 14:21	HRS	L589858

Analytical Method: 8270D SIM **Prep Batch(es):** **L590223** 12/13/21 14:06
Prep Method: 3511

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Batch
Acenaphthene	**0.000020**	mg/L	0.000018	0.000020	1	12/13/21 23:38	MED	L590228
Acenaphthylene	<0.000014	mg/L	0.000014	0.000020	1	12/13/21 23:38	MED	L590228
Anthracene	<0.000005	mg/L	0.000005	0.000020	1	12/13/21 23:38	MED	L590228
Benzo(a)anthracene	<0.000011	mg/L	0.000011	0.000020	1	12/13/21 23:38	MED	L590228
Benzo(a)pyrene	<0.000012	mg/L	0.000012	0.000020	1	12/13/21 23:38	MED	L590228
Benzo(b)fluoranthene	<0.000008	mg/L	0.000008	0.000020	1	12/13/21 23:38	MED	L590228

Qualifiers/ Definitions
* Outside QC Limit
J Estimated value
DF Dilution Factor
MQL Method Quantitation Limit

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Report Date : 12/15/2021
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Rebekah Ross
Project Manager

Report Number : **21-344-0103**

REPORT OF ANALYSIS

Lab No : **96227**
Sample ID : **LEGGSB05**

Matrix: **Aqueous**
Sampled: **12/10/2021 10:20**

Analytical Method: 8270D SIM **Prep Batch(es):** **L590223** 12/13/21 14:06
Prep Method: 3511

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Batch
Benzo(g,h,i)perylene	<0.000007	mg/L	0.000007	0.000020	1	12/13/21 23:38	MED	L590228
Benzo(k)fluoranthene	<0.000016	mg/L	0.000016	0.000020	1	12/13/21 23:38	MED	L590228
Chrysene	<0.000008	mg/L	0.000008	0.000020	1	12/13/21 23:38	MED	L590228
Dibenz(a,h)anthracene	<0.000006	mg/L	0.000006	0.000020	1	12/13/21 23:38	MED	L590228
Fluoranthene	<0.000005	mg/L	0.000005	0.000020	1	12/13/21 23:38	MED	L590228
Fluorene	<0.000010	mg/L	0.000010	0.000020	1	12/13/21 23:38	MED	L590228
Indeno(1,2,3-cd)pyrene	<0.000014	mg/L	0.000014	0.000020	1	12/13/21 23:38	MED	L590228
1-Methylnaphthalene	**0.000017 J**	mg/L	0.000007	0.000020	1	12/13/21 23:38	MED	L590228
2-Methylnaphthalene	<0.000018	mg/L	0.000018	0.000020	1	12/13/21 23:38	MED	L590228
Naphthalene	<0.000019	mg/L	0.000019	0.000020	1	12/13/21 23:38	MED	L590228
Phenanthrene	<0.000008	mg/L	0.000008	0.000020	1	12/13/21 23:38	MED	L590228
Pyrene	<0.000009	mg/L	0.000009	0.000020	1	12/13/21 23:38	MED	L590228
Surrogate: 2-Fluorobiphenyl	101			Limits: 70-130%	1	12/13/21 23:38	MED	L590228
Surrogate: 4-Terphenyl-d14	**68.3 ***			Limits: 70-130%	1	12/13/21 23:38	MED	L590228

Analytical Method: TN EPH **Prep Batch(es):** **L589700** 12/13/21 15:00
Prep Method: 3510C

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Batch
Diesel Range Organics (C10-C28)	**0.272**	mg/L	0.0548	0.0900	1	12/15/21 12:49	MMK	L590249
Oil Range Organics (>C28-C40)	**0.0938**	mg/L	0.0841	0.0900	1	12/15/21 12:49	MMK	L590249
TN EPH (C10-C40)	**0.366**	mg/L	0.0548	0.0900	1	12/15/21 12:49		L590249
Surrogate: OTP Surrogate	**49.1 ***			Limits: 50-150%	1	12/14/21 15:45	MMK	L590249

Qualifiers/ Definitions
* Outside QC Limit
J Estimated value
DF Dilution Factor
MQL Method Quantitation Limit

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Information : Project No. 0888830988

Report Date : 12/15/2021
Received : 12/10/2021

Rebekah Ross
Project Manager

Report Number : **21-344-0103**

REPORT OF ANALYSIS

Lab No : **96228**
Sample ID : **LEGTB121021**

Matrix: **Aqueous**
Sampled: **12/10/2021 8:00**

Analytical Method: 8260B **Prep Batch(es):** **L589845** 12/13/21 08:55
Prep Method: 5030B

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Batch
Acetone	<0.005	mg/L	0.005	0.020	1	12/13/21 14:41	HRS	L589858
Acetonitrile	<0.029	mg/L	0.029	0.050	1	12/13/21 14:41	HRS	L589858
Acrolein	<0.005	mg/L	0.005	0.020	1	12/13/21 14:41	HRS	L589858
Acrylonitrile	<0.003	mg/L	0.003	0.020	1	12/13/21 14:41	HRS	L589858
Benzene	<0.0006	mg/L	0.0006	0.001	1	12/13/21 14:41	HRS	L589858
Bromobenzene	<0.0006	mg/L	0.0006	0.001	1	12/13/21 14:41	HRS	L589858
Bromochloromethane	<0.0005	mg/L	0.0005	0.001	1	12/13/21 14:41	HRS	L589858
Bromodichloromethane	<0.0007	mg/L	0.0007	0.001	1	12/13/21 14:41	HRS	L589858
Bromoform	<0.0009	mg/L	0.0009	0.001	1	12/13/21 14:41	HRS	L589858
Bromomethane	<0.001	mg/L	0.001	0.002	1	12/13/21 14:41	HRS	L589858
Methyl Ethyl Ketone (MEK)	<0.002	mg/L	0.002	0.020	1	12/13/21 14:41	HRS	L589858
n-Butylbenzene	<0.0007	mg/L	0.0007	0.001	1	12/13/21 14:41	HRS	L589858
sec-Butyl benzene	<0.0006	mg/L	0.0006	0.001	1	12/13/21 14:41	HRS	L589858
tert-Butyl benzene	<0.0006	mg/L	0.0006	0.001	1	12/13/21 14:41	HRS	L589858
Carbon Disulfide	<0.0008	mg/L	0.0008	0.001	1	12/13/21 14:41	HRS	L589858
Carbon Tetrachloride	<0.0004	mg/L	0.0004	0.001	1	12/13/21 14:41	HRS	L589858
Chlorobenzene	<0.0005	mg/L	0.0005	0.001	1	12/13/21 14:41	HRS	L589858
Chlorodibromomethane	<0.0008	mg/L	0.0008	0.001	1	12/13/21 14:41	HRS	L589858
Chloroethane	<0.0006	mg/L	0.0006	0.001	1	12/13/21 14:41	HRS	L589858
2-Chloroethylvinyl Ether	<0.002	mg/L	0.002	0.005	1	12/13/21 14:41	HRS	L589858
Chloroform	<0.0006	mg/L	0.0006	0.001	1	12/13/21 14:41	HRS	L589858
Chloromethane	<0.0009	mg/L	0.0009	0.001	1	12/13/21 14:41	HRS	L589858

Qualifiers/ Definitions

*	Outside QC Limit	DF	Dilution Factor
J	Estimated value	MQL	Method Quantitation Limit

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Ms. Allison Harris
5724 Summer Tree Drive
Memphis , TN 38134

Project Legends Park

Information : Project No. 0888830988

Report Date : 12/15/2021
Received : 12/10/2021

Rebekah Ross
Project Manager

Report Number : **21-344-0103**

REPORT OF ANALYSIS

Lab No : **96228**
Sample ID : **LEGTB121021**

Matrix: **Aqueous**
Sampled: **12/10/2021 8:00**

Analytical Method: 8260B **Prep Batch(es):** **L589845** 12/13/21 08:55
Prep Method: 5030B

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Batch
2-Chlorotoluene	<0.0005	mg/L	0.0005	0.001	1	12/13/21 14:41	HRS	L589858
4-Chlorotoluene	<0.0005	mg/L	0.0005	0.001	1	12/13/21 14:41	HRS	L589858
1,2-Dibromo-3-Chloropropane	<0.0010	mg/L	0.0010	0.002	1	12/13/21 14:41	HRS	L589858
1,2-Dibromoethane	<0.0007	mg/L	0.0007	0.001	1	12/13/21 14:41	HRS	L589858
Dibromomethane	<0.0006	mg/L	0.0006	0.001	1	12/13/21 14:41	HRS	L589858
1,2-Dichlorobenzene	<0.0007	mg/L	0.0007	0.001	1	12/13/21 14:41	HRS	L589858
1,3-Dichlorobenzene	<0.0008	mg/L	0.0008	0.001	1	12/13/21 14:41	HRS	L589858
1,4-Dichlorobenzene	<0.0007	mg/L	0.0007	0.001	1	12/13/21 14:41	HRS	L589858
Dichlorodifluoromethane	<0.0009	mg/L	0.0009	0.001	1	12/13/21 14:41	HRS	L589858
1,1-Dichloroethane	<0.0004	mg/L	0.0004	0.001	1	12/13/21 14:41	HRS	L589858
1,2-Dichloroethane	<0.0005	mg/L	0.0005	0.001	1	12/13/21 14:41	HRS	L589858
1,1-Dichloroethene	<0.0005	mg/L	0.0005	0.001	1	12/13/21 14:41	HRS	L589858
cis-1,2-Dichloroethene	<0.0004	mg/L	0.0004	0.001	1	12/13/21 14:41	HRS	L589858
trans-1,2-Dichloroethene	<0.0005	mg/L	0.0005	0.001	1	12/13/21 14:41	HRS	L589858
1,2-Dichloroethene (Total)	<0.0004	mg/L	0.0004	0.001	1	12/13/21 14:41		L589858
1,2-Dichloropropane	<0.0005	mg/L	0.0005	0.001	1	12/13/21 14:41	HRS	L589858
1,3-Dichloropropane	<0.0005	mg/L	0.0005	0.001	1	12/13/21 14:41	HRS	L589858
2,2-Dichloropropane	<0.0007	mg/L	0.0007	0.001	1	12/13/21 14:41	HRS	L589858
1,1-Dichloropropene	<0.0007	mg/L	0.0007	0.001	1	12/13/21 14:41	HRS	L589858
cis-1,3-Dichloropropene	<0.0007	mg/L	0.0007	0.001	1	12/13/21 14:41	HRS	L589858
trans-1,3-Dichloropropene	<0.0008	mg/L	0.0008	0.001	1	12/13/21 14:41	HRS	L589858
Ethyl Acetate	<0.004	mg/L	0.004	0.010	1	12/13/21 14:41	HRS	L589858

Qualifiers/ Definitions

*	Outside QC Limit	DF	Dilution Factor
J	Estimated value	MQL	Method Quantitation Limit

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Project Legends Park

Information : Project No. 0888830988

Report Date : 12/15/2021
Received : 12/10/2021

Rebekah Ross
Project Manager

Report Number : **21-344-0103**

REPORT OF ANALYSIS

Lab No : **96228**
Sample ID : **LEGTB121021**

Matrix: **Aqueous**
Sampled: **12/10/2021 8:00**

Analytical Method: 8260B **Prep Batch(es):** **L589845** 12/13/21 08:55
Prep Method: 5030B

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Batch
Ethylbenzene	<0.0006	mg/L	0.0006	0.001	1	12/13/21 14:41	HRS	L589858
Hexachlorobutadiene	<0.0009	mg/L	0.0009	0.001	1	12/13/21 14:41	HRS	L589858
2-Hexanone	<0.002	mg/L	0.002	0.005	1	12/13/21 14:41	HRS	L589858
Iodomethane	<0.002	mg/L	0.002	0.005	1	12/13/21 14:41	HRS	L589858
Isopropylbenzene	<0.0005	mg/L	0.0005	0.001	1	12/13/21 14:41	HRS	L589858
4-Isopropyl toluene	<0.0006	mg/L	0.0006	0.001	1	12/13/21 14:41	HRS	L589858
4-Methyl-2-Pentanone	<0.002	mg/L	0.002	0.005	1	12/13/21 14:41	HRS	L589858
Methylene Chloride	<0.002	mg/L	0.002	0.005	1	12/13/21 14:41	HRS	L589858
Methyl tert-butyl ether (MTBE)	<0.0006	mg/L	0.0006	0.001	1	12/13/21 14:41	HRS	L589858
m,p-Xylene	<0.001	mg/L	0.001	0.002	1	12/13/21 14:41	HRS	L589858
Naphthalene	<0.004	mg/L	0.004	0.005	1	12/13/21 14:41	HRS	L589858
o-Xylene	<0.0005	mg/L	0.0005	0.001	1	12/13/21 14:41	HRS	L589858
n-Propylbenzene	<0.0005	mg/L	0.0005	0.001	1	12/13/21 14:41	HRS	L589858
Styrene	<0.0005	mg/L	0.0005	0.001	1	12/13/21 14:41	HRS	L589858
1,1,1,2-Tetrachloroethane	<0.0008	mg/L	0.0008	0.001	1	12/13/21 14:41	HRS	L589858
1,1,2,2-Tetrachloroethane	<0.0009	mg/L	0.0009	0.001	1	12/13/21 14:41	HRS	L589858
Tetrachloroethene	<0.0005	mg/L	0.0005	0.001	1	12/13/21 14:41	HRS	L589858
Toluene	<0.0005	mg/L	0.0005	0.002	1	12/13/21 14:41	HRS	L589858
1,2,3-Trichlorobenzene	<0.001	mg/L	0.001	0.002	1	12/13/21 14:41	HRS	L589858
1,2,4-Trichlorobenzene	<0.0009	mg/L	0.0009	0.002	1	12/13/21 14:41	HRS	L589858
1,1,1-Trichloroethane	<0.0004	mg/L	0.0004	0.001	1	12/13/21 14:41	HRS	L589858
1,1,2-Trichloroethane	<0.0006	mg/L	0.0006	0.001	1	12/13/21 14:41	HRS	L589858

Qualifiers/ Definitions

*	Outside QC Limit	DF	Dilution Factor
J	Estimated value	MQL	Method Quantitation Limit

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Project Legends Park

Information : Project No. 0888830988

Report Date : 12/15/2021
Received : 12/10/2021

Rebekah Ross
Project Manager

Report Number : **21-344-0103**

REPORT OF ANALYSIS

Lab No : **96228**
Sample ID : **LEGTB121021**

Matrix: **Aqueous**
Sampled: **12/10/2021 8:00**

Analytical Method: 8260B **Prep Batch(es):** **L589845** 12/13/21 08:55
Prep Method: 5030B

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Batch
Trichloroethene	<0.0007	mg/L	0.0007	0.001	1	12/13/21 14:41	HRS	L589858
Trichlorofluoromethane	<0.0005	mg/L	0.0005	0.001	1	12/13/21 14:41	HRS	L589858
1,2,3-Trichloropropane	<0.0007	mg/L	0.0007	0.001	1	12/13/21 14:41	HRS	L589858
1,2,4-Trimethylbenzene	<0.0005	mg/L	0.0005	0.001	1	12/13/21 14:41	HRS	L589858
1,3,5-Trimethylbenzene	<0.0006	mg/L	0.0006	0.001	1	12/13/21 14:41	HRS	L589858
Vinyl Acetate	<0.003	mg/L	0.003	0.010	1	12/13/21 14:41	HRS	L589858
Vinyl Chloride	<0.0005	mg/L	0.0005	0.001	1	12/13/21 14:41	HRS	L589858
Xylene (Total)	<0.0005	mg/L	0.0005	0.001	1	12/13/21 14:41		L589858
Surrogate: 4-Bromofluorobenzene	72.4		Limits: 71-137%		1	12/13/21 14:41	HRS	L589858
Surrogate: Dibromofluoromethane	94.0		Limits: 70-128%		1	12/13/21 14:41	HRS	L589858
Surrogate: 1,2-Dichloroethane - d4	78.4		Limits: 63-136%		1	12/13/21 14:41	HRS	L589858
Surrogate: Toluene-d8	82.4		Limits: 70-130%		1	12/13/21 14:41	HRS	L589858

Qualifiers/ Definitions

*	Outside QC Limit	DF	Dilution Factor
J	Estimated value	MQL	Method Quantitation Limit

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Quality Control Data

Client ID: Ensafe
Project Description: Legends Park
Report No: 21-344-0103

QC Prep: L589845
QC Prep Batch Method: 5030B
QC Analytical Batch(es): L589858
Analysis Method: 8260B
Analysis Description: Volatile Organic Compounds - GC/MS

Lab Reagent Blank LRB-L589845 Matrix: AQU
Associated Lab Samples: 96223, 96224, 96225, 96226, 96227, 96228

Parameter	Units	Blank Result	MDL	MQL	Analyzed	% Recovery	% Rec Limits
Acetone	mg/L	<0.005	0.005	0.020	12/13/21 11:59		
Acetonitrile	mg/L	<0.029	0.029	0.050	12/13/21 11:59		
Acrolein	mg/L	<0.005	0.005	0.020	12/13/21 11:59		
Acrylonitrile	mg/L	<0.003	0.003	0.020	12/13/21 11:59		
Benzene	mg/L	<0.0006	0.0006	0.001	12/13/21 11:59		
Bromobenzene	mg/L	<0.0006	0.0006	0.001	12/13/21 11:59		
Bromochloromethane	mg/L	<0.0005	0.0005	0.001	12/13/21 11:59		
Bromodichloromethane	mg/L	<0.0007	0.0007	0.001	12/13/21 11:59		
Bromoform	mg/L	<0.0009	0.0009	0.001	12/13/21 11:59		
Bromomethane	mg/L	<0.001	0.001	0.002	12/13/21 11:59		
Methyl Ethyl Ketone (MEK)	mg/L	<0.002	0.002	0.020	12/13/21 11:59		
n-Butylbenzene	mg/L	<0.0007	0.0007	0.001	12/13/21 11:59		
sec-Butyl benzene	mg/L	<0.0006	0.0006	0.001	12/13/21 11:59		
tert-Butyl benzene	mg/L	<0.0006	0.0006	0.001	12/13/21 11:59		
Carbon Disulfide	mg/L	<0.0008	0.0008	0.001	12/13/21 11:59		
Carbon Tetrachloride	mg/L	<0.0004	0.0004	0.001	12/13/21 11:59		
Chlorobenzene	mg/L	<0.0005	0.0005	0.001	12/13/21 11:59		
Chlorodibromomethane	mg/L	<0.0008	0.0008	0.001	12/13/21 11:59		
Chloroethane	mg/L	<0.0006	0.0006	0.001	12/13/21 11:59		
2-Chloroethylvinyl Ether	mg/L	<0.002	0.002	0.005	12/13/21 11:59		
Chloroform	mg/L	<0.0006	0.0006	0.001	12/13/21 11:59		
Chloromethane	mg/L	<0.0009	0.0009	0.001	12/13/21 11:59		
2-Chlorotoluene	mg/L	<0.0005	0.0005	0.001	12/13/21 11:59		
4-Chlorotoluene	mg/L	<0.0005	0.0005	0.001	12/13/21 11:59		
1,2-Dibromo-3-Chloropropane	mg/L	<0.0010	0.0010	0.002	12/13/21 11:59		
1,2-Dibromoethane	mg/L	<0.0007	0.0007	0.001	12/13/21 11:59		
Dibromomethane	mg/L	<0.0006	0.0006	0.001	12/13/21 11:59		

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Quality Control Data

Client ID: Ensafe
Project Description: Legends Park
Report No: 21-344-0103

QC Prep: L589845
QC Prep Batch Method: 5030B
QC Analytical Batch(es): L589858
Analysis Method: 8260B
Analysis Description: Volatile Organic Compounds - GC/MS

Lab Reagent Blank LRB-L589845 Matrix: AQU
Associated Lab Samples: 96223, 96224, 96225, 96226, 96227, 96228

Parameter	Units	Blank Result	MDL	MQL	Analyzed	% Recovery	% Rec Limits
1,2-Dichlorobenzene	mg/L	<0.0007	0.0007	0.001	12/13/21 11:59		
1,3-Dichlorobenzene	mg/L	<0.0008	0.0008	0.001	12/13/21 11:59		
1,4-Dichlorobenzene	mg/L	<0.0007	0.0007	0.001	12/13/21 11:59		
Dichlorodifluoromethane	mg/L	<0.0009	0.0009	0.001	12/13/21 11:59		
1,1-Dichloroethane	mg/L	<0.0004	0.0004	0.001	12/13/21 11:59		
1,2-Dichloroethane	mg/L	<0.0005	0.0005	0.001	12/13/21 11:59		
1,1-Dichloroethene	mg/L	<0.0005	0.0005	0.001	12/13/21 11:59		
cis-1,2-Dichloroethene	mg/L	<0.0004	0.0004	0.001	12/13/21 11:59		
trans-1,2-Dichloroethene	mg/L	<0.0005	0.0005	0.001	12/13/21 11:59		
1,2-Dichloropropane	mg/L	<0.0005	0.0005	0.001	12/13/21 11:59		
1,3-Dichloropropane	mg/L	<0.0005	0.0005	0.001	12/13/21 11:59		
2,2-Dichloropropane	mg/L	<0.0007	0.0007	0.001	12/13/21 11:59		
1,1-Dichloropropene	mg/L	<0.0007	0.0007	0.001	12/13/21 11:59		
cis-1,3-Dichloropropene	mg/L	<0.0007	0.0007	0.001	12/13/21 11:59		
trans-1,3-Dichloropropene	mg/L	<0.0008	0.0008	0.001	12/13/21 11:59		
Ethyl Acetate	mg/L	<0.004	0.004	0.010	12/13/21 11:59		
Ethylbenzene	mg/L	<0.0006	0.0006	0.001	12/13/21 11:59		
Hexachlorobutadiene	mg/L	<0.0009	0.0009	0.001	12/13/21 11:59		
2-Hexanone	mg/L	<0.002	0.002	0.005	12/13/21 11:59		
Iodomethane	mg/L	<0.002	0.002	0.005	12/13/21 11:59		
Isopropylbenzene	mg/L	<0.0005	0.0005	0.001	12/13/21 11:59		
4-Isopropyl toluene	mg/L	<0.0006	0.0006	0.001	12/13/21 11:59		
4-Methyl-2-Pentanone	mg/L	<0.002	0.002	0.005	12/13/21 11:59		
Methylene Chloride	mg/L	<0.002	0.002	0.005	12/13/21 11:59		
Methyl tert-butyl ether (MTBE)	mg/L	<0.0006	0.0006	0.001	12/13/21 11:59		
m,p-Xylene	mg/L	<0.001	0.001	0.002	12/13/21 11:59		
Naphthalene	mg/L	<0.004	0.004	0.005	12/13/21 11:59		

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Quality Control Data

Client ID: Ensafe
Project Description: Legends Park
Report No: 21-344-0103

QC Prep: L589845
QC Prep Batch Method: 5030B
QC Analytical Batch(es): L589858
Analysis Method: 8260B
Analysis Description: Volatile Organic Compounds - GC/MS

Lab Reagent Blank LRB-L589845 Matrix: AQU
Associated Lab Samples: 96223, 96224, 96225, 96226, 96227, 96228

Parameter	Units	Blank Result	MDL	MQL	Analyzed	% Recovery	% Rec Limits
o-Xylene	mg/L	<0.0005	0.0005	0.001	12/13/21 11:59		
n-Propylbenzene	mg/L	<0.0005	0.0005	0.001	12/13/21 11:59		
Styrene	mg/L	<0.0005	0.0005	0.001	12/13/21 11:59		
1,1,1,2-Tetrachloroethane	mg/L	<0.0008	0.0008	0.001	12/13/21 11:59		
1,1,2,2-Tetrachloroethane	mg/L	<0.0009	0.0009	0.001	12/13/21 11:59		
Tetrachloroethene	mg/L	<0.0005	0.0005	0.001	12/13/21 11:59		
Toluene	mg/L	<0.0005	0.0005	0.002	12/13/21 11:59		
1,2,3-Trichlorobenzene	mg/L	<0.001	0.001	0.002	12/13/21 11:59		
1,2,4-Trichlorobenzene	mg/L	<0.0009	0.0009	0.002	12/13/21 11:59		
1,1,1-Trichloroethane	mg/L	<0.0004	0.0004	0.001	12/13/21 11:59		
1,1,2-Trichloroethane	mg/L	<0.0006	0.0006	0.001	12/13/21 11:59		
Trichloroethene	mg/L	<0.0007	0.0007	0.001	12/13/21 11:59		
Trichlorofluoromethane	mg/L	<0.0005	0.0005	0.001	12/13/21 11:59		
1,2,3-Trichloropropane	mg/L	<0.0007	0.0007	0.001	12/13/21 11:59		
1,2,4-Trimethylbenzene	mg/L	<0.0005	0.0005	0.001	12/13/21 11:59		
1,3,5-Trimethylbenzene	mg/L	<0.0006	0.0006	0.001	12/13/21 11:59		
Vinyl Acetate	mg/L	<0.003	0.003	0.010	12/13/21 11:59		
Vinyl Chloride	mg/L	<0.0005	0.0005	0.001	12/13/21 11:59		
4-Bromofluorobenzene (S)					12/13/21 11:59	78.8	71-137
Dibromofluoromethane (S)					12/13/21 11:59	102	70-128
1,2-Dichloroethane - d4 (S)					12/13/21 11:59	84.4	63-136
Toluene-d8 (S)					12/13/21 11:59	89.2	70-130

Laboratory Control Sample LCS-L589845

Parameter	Units	Spike Conc.	LCS Result	LCS %Rec	% Rec Limits
Acetone	mg/L	0.100	0.098	98.1	40-160

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Quality Control Data

Client ID: Ensafe
Project Description: Legends Park
Report No: 21-344-0103

QC Prep: L589845
QC Prep Batch Method: 5030B
QC Analytical Batch(es): L589858
Analysis Method: 8260B
Analysis Description: Volatile Organic Compounds - GC/MS

Laboratory Control Sample LCS-L589845

Parameter	Units	Spike Conc.	LCS Result	LCS %Rec	% Rec Limits
Acetonitrile	mg/L	1.00	1.00	100	40-160
Acrolein	mg/L	0.100	0.073	73.5	40-160
Acrylonitrile	mg/L	0.100	0.090	90.7	40-160
Benzene	mg/L	0.100	0.108	108	70-130
Bromobenzene	mg/L	0.100	0.113	113	75-125
Bromochloromethane	mg/L	0.100	0.101	101	65-135
Bromodichloromethane	mg/L	0.100	0.112	112	75-125
Bromoform	mg/L	0.100	0.103	103	70-130
Bromomethane	mg/L	0.100	0.126	126	40-160
Methyl Ethyl Ketone (MEK)	mg/L	0.100	0.101	101	40-160
n-Butylbenzene	mg/L	0.100	0.124	124	70-130
sec-Butyl benzene	mg/L	0.100	0.125	125	70-130
tert-Butyl benzene	mg/L	0.100	0.126	126	70-130
Carbon Disulfide	mg/L	0.100	0.115	115	40-160
Carbon Tetrachloride	mg/L	0.100	0.114	114	65-135
Chlorobenzene	mg/L	0.100	0.114	114	80-120
Chlorodibromomethane	mg/L	0.100	0.111	111	60-140
Chloroethane	mg/L	0.100	0.115	115	60-140
2-Chloroethylvinyl Ether	mg/L	0.100	0.128	128	40-160
Chloroform	mg/L	0.100	0.108	108	80-120
Chloromethane	mg/L	0.100	0.119	119	40-160
2-Chlorotoluene	mg/L	0.100	0.119	119	75-125
4-Chlorotoluene	mg/L	0.100	0.118	118	75-125
1,2-Dibromo-3-Chloropropane	mg/L	0.100	0.096	96.5	50-150
1,2-Dibromoethane	mg/L	0.100	0.108	108	70-130
Dibromomethane	mg/L	0.100	0.109	109	75-125
1,2-Dichlorobenzene	mg/L	0.100	0.110	110	70-130

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Quality Control Data

Client ID: Ensafe
Project Description: Legends Park
Report No: 21-344-0103

QC Prep: L589845
QC Prep Batch Method: 5030B
QC Analytical Batch(es): L589858
Analysis Method: 8260B
Analysis Description: Volatile Organic Compounds - GC/MS

Laboratory Control Sample LCS-L589845

Parameter	Units	Spike Conc.	LCS Result	LCS %Rec	% Rec Limits
1,3-Dichlorobenzene	mg/L	0.100	0.115	115	75-125
1,4-Dichlorobenzene	mg/L	0.100	0.118	118	75-125
Dichlorodifluoromethane	mg/L	0.100	0.149	149	40-160
1,1-Dichloroethane	mg/L	0.100	0.107	107	70-130
1,2-Dichloroethane	mg/L	0.100	0.102	102	70-130
1,1-Dichloroethene	mg/L	0.100	0.104	104	80-120
cis-1,2-Dichloroethene	mg/L	0.100	0.115	115	70-130
trans-1,2-Dichloroethene	mg/L	0.100	0.113	113	60-140
1,2-Dichloropropane	mg/L	0.100	0.112	112	80-120
1,3-Dichloropropane	mg/L	0.100	0.105	105	75-125
2,2-Dichloropropane	mg/L	0.100	0.114	114	70-130
1,1-Dichloropropene	mg/L	0.100	0.110	110	75-125
cis-1,3-Dichloropropene	mg/L	0.100	0.122	122	70-130
trans-1,3-Dichloropropene	mg/L	0.100	0.120	120	55-145
Ethyl Acetate	mg/L	0.100	0.076	76.9	40-160
Ethylbenzene	mg/L	0.100	0.119	119	80-120
Hexachlorobutadiene	mg/L	0.100	0.118	118	50-150
2-Hexanone	mg/L	0.100	0.103	103	55-145
Iodomethane	mg/L	0.100	0.106	106	40-160
Isopropylbenzene	mg/L	0.100	0.125	125	75-125
4-Isopropyl toluene	mg/L	0.100	0.099	99.1	75-125
4-Methyl-2-Pentanone	mg/L	0.100	0.103	103	60-140
Methylene Chloride	mg/L	0.100	0.102	102	55-145
Methyl tert-butyl ether (MTBE)	mg/L	0.100	0.102	102	65-135
m,p-Xylene	mg/L	0.200	0.236	118	75-125
Naphthalene	mg/L	0.100	0.113	113	55-145
o-Xylene	mg/L	0.100	0.120	120	70-130

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Quality Control Data

Client ID: Ensafe
Project Description: Legends Park
Report No: 21-344-0103

QC Prep: L589845
QC Prep Batch Method: 5030B
QC Analytical Batch(es): L589858
Analysis Method: 8260B
Analysis Description: Volatile Organic Compounds - GC/MS

Laboratory Control Sample LCS-L589845

Parameter	Units	Spike Conc.	LCS Result	LCS %Rec	% Rec Limits
n-Propylbenzene	mg/L	0.100	0.123	123	70-130
Styrene	mg/L	0.100	0.122	122	65-135
1,1,1,2-Tetrachloroethane	mg/L	0.100	0.116	116	70-130
1,1,2,2-Tetrachloroethane	mg/L	0.100	0.106	106	65-135
Tetrachloroethene	mg/L	0.100	0.124	124	45-155
Toluene	mg/L	0.100	0.120	120	80-120
1,2,3-Trichlorobenzene	mg/L	0.100	0.116	116	60-140
1,2,4-Trichlorobenzene	mg/L	0.100	0.121	121	65-135
1,1,1-Trichloroethane	mg/L	0.100	0.109	109	65-135
1,1,2-Trichloroethane	mg/L	0.100	0.110	110	75-125
Trichloroethene	mg/L	0.100	0.120	120	70-130
Trichlorofluoromethane	mg/L	0.100	0.122	122	40-140
1,2,3-Trichloropropane	mg/L	0.100	0.105	105	75-125
1,2,4-Trimethylbenzene	mg/L	0.100	0.125	125	65-135
1,3,5-Trimethylbenzene	mg/L	0.100	0.124	124	75-125
Vinyl Acetate	mg/L	0.100	0.112	112	40-160
Vinyl Chloride	mg/L	0.100	0.119	119	80-120
4-Bromofluorobenzene (S)				83.6	71-137
Dibromofluoromethane (S)				97.6	70-128
1,2-Dichloroethane - d4 (S)				77.2	63-136
Toluene-d8 (S)				91.0	70-130

Matrix Spike & Matrix Spike Duplicate L 95588-MS-L589845 L 95588-MSD-L589845

Parameter	Units	Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS %Rec	MSD %Rec	%Rec Limits	RPD	Max RPD
Acetone	mg/L	<0.005	0.100	0.100	0.089	0.104	89.8	104	27-180	14.6	30

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Quality Control Data

Client ID: Ensafe
Project Description: Legends Park
Report No: 21-344-0103

QC Prep: L589845
QC Prep Batch Method: 5030B
QC Analytical Batch(es): L589858
Analysis Method: 8260B
Analysis Description: Volatile Organic Compounds - GC/MS

Matrix Spike & Matrix Spike Duplicate L 95588-MS-L589845 L 95588-MSD-L589845

Parameter	Units	Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS %Rec	MSD %Rec	%Rec Limits	RPD	Max RPD
Acetonitrile	mg/L	<0.029	1.00	1.00	1.02	1.11	102	111	56-127	8.4	30
Acrolein	mg/L	<0.005	0.100	0.100	0.068	0.075	68.3	75.7	10-147	10.2	30
Acrylonitrile	mg/L	<0.003	0.100	0.100	0.097	0.101	97.5	101	34-174	3.5	30
Benzene	mg/L	<0.0006	0.100	0.100	0.106	0.110	106	110	58-143	3.7	30
Bromobenzene	mg/L	<0.0006	0.100	0.100	0.106	0.114	106	114	55-149	7.2	30
Bromochloromethane	mg/L	<0.0005	0.100	0.100	0.106	0.108	106	108	65-152	1.8	30
Bromodichloromethane	mg/L	<0.0007	0.100	0.100	0.108	0.114	108	114	75-135	5.4	30
Bromoform	mg/L	<0.0009	0.100	0.100	0.097	0.106	97.5	106	61-137	8.3	30
Bromomethane	mg/L	<0.001	0.100	0.100	0.182	0.185	182	185	37-185	1.6	30
Methyl Ethyl Ketone (MEK)	mg/L	<0.002	0.100	0.100	0.102	0.114	102	114	49-168	11.1	30
n-Butylbenzene	mg/L	<0.0007	0.100	0.100	0.112	0.117	112	117	67-149	4.3	30
sec-Butyl benzene	mg/L	<0.0006	0.100	0.100	0.113	0.119	113	119	72-139	5.1	30
tert-Butyl benzene	mg/L	<0.0006	0.100	0.100	0.114	0.120	114	120	71-143	5.1	30
Carbon Disulfide	mg/L	<0.0008	0.100	0.100	0.105	0.107	105	107	39-138	1.8	30
Carbon Tetrachloride	mg/L	<0.0004	0.100	0.100	0.107	0.110	107	110	62-141	2.7	30
Chlorobenzene	mg/L	<0.0005	0.100	0.100	0.104	0.113	104	113	67-143	8.2	30
Chlorodibromomethane	mg/L	<0.0008	0.100	0.100	0.107	0.115	107	115	66-146	7.2	30
Chloroethane	mg/L	<0.0006	0.100	0.100	0.119	0.117	119	117	24-167	1.6	30
2-Chloroethylvinyl Ether	mg/L	<0.002	0.100	0.100	<0.002	<0.002	0.0*	0.0*	1-167	0.0	30
Chloroform	mg/L	<0.0006	0.100	0.100	0.106	0.112	106	112	69-137	5.5	30
Chloromethane	mg/L	<0.0009	0.100	0.100	0.122	0.118	122	118	35-154	3.3	30
2-Chlorotoluene	mg/L	<0.0005	0.100	0.100	0.108	0.116	108	116	76-134	7.1	30
4-Chlorotoluene	mg/L	<0.0005	0.100	0.100	0.108	0.115	108	115	73-138	6.2	30
1,2-Dibromo-3-Chloropropane	mg/L	<0.0010	0.100	0.100	0.096	0.105	96.0	105	48-149	8.9	30
1,2-Dibromoethane	mg/L	<0.0007	0.100	0.100	0.106	0.113	106	113	63-150	6.3	30
Dibromomethane	mg/L	<0.0006	0.100	0.100	0.106	0.113	106	113	52-160	6.3	30

* QC Fail

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Quality Control Data

Client ID: Ensafe
Project Description: Legends Park
Report No: 21-344-0103

QC Prep: L589845
QC Prep Batch Method: 5030B
QC Analytical Batch(es): L589858
Analysis Method: 8260B
Analysis Description: Volatile Organic Compounds - GC/MS

Matrix Spike & Matrix Spike Duplicate L 95588-MS-L589845 L 95588-MSD-L589845

Parameter	Units	Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS %Rec	MSD %Rec	%Rec Limits	RPD	Max RPD
1,2-Dichlorobenzene	mg/L	<0.0007	0.100	0.100	0.102	0.110	102	110	66-141	7.5	30
1,3-Dichlorobenzene	mg/L	<0.0008	0.100	0.100	0.107	0.113	107	113	61-145	5.4	30
1,4-Dichlorobenzene	mg/L	<0.0007	0.100	0.100	0.107	0.115	107	115	63-145	7.2	30
Dichlorodifluoromethane	mg/L	<0.0009	0.100	0.100	0.140	0.136	140	136	17-145	2.8	30
1,1-Dichloroethane	mg/L	<0.0004	0.100	0.100	0.100	0.107	100	107	66-137	6.7	30
1,2-Dichloroethane	mg/L	<0.0005	0.100	0.100	0.104	0.109	104	109	69-139	4.6	30
1,1-Dichloroethene	mg/L	<0.0005	0.100	0.100	0.093	0.099	93.3	99.4	50-134	6.3	30
cis-1,2-Dichloroethene	mg/L	<0.0004	0.100	0.100	0.110	0.116	110	116	62-153	5.3	30
trans-1,2-Dichloroethene	mg/L	<0.0005	0.100	0.100	0.106	0.112	106	112	61-137	5.5	30
1,2-Dichloropropane	mg/L	<0.0005	0.100	0.100	0.107	0.114	107	114	70-145	6.3	30
1,3-Dichloropropane	mg/L	<0.0005	0.100	0.100	0.104	0.112	104	112	62-146	7.4	30
2,2-Dichloropropane	mg/L	<0.0007	0.100	0.100	0.097	0.105	97.6	105	64-141	7.3	30
1,1-Dichloropropene	mg/L	<0.0007	0.100	0.100	0.103	0.108	103	108	61-143	4.7	30
cis-1,3-Dichloropropene	mg/L	<0.0007	0.100	0.100	0.112	0.122	112	122	79-138	8.5	30
trans-1,3-Dichloropropene	mg/L	<0.0008	0.100	0.100	0.113	0.122	113	122	77-140	7.6	30
Ethyl Acetate	mg/L	<0.004	0.100	0.100	0.078	0.084	78.7	84.7	3-122	7.3	30
Ethylbenzene	mg/L	<0.0006	0.100	0.100	0.110	0.116	110	116	65-141	5.3	30
Hexachlorobutadiene	mg/L	<0.0009	0.100	0.100	0.101	0.108	101	108	58-145	6.6	30
2-Hexanone	mg/L	<0.002	0.100	0.100	0.106	0.115	106	115	53-166	8.1	30
Iodomethane	mg/L	<0.002	0.100	0.100	0.091	0.101	91.3	101	28-145	10.0	30
Isopropylbenzene	mg/L	<0.0005	0.100	0.100	0.114	0.120	114	120	74-137	5.1	30
4-Isopropyl toluene	mg/L	<0.0006	0.100	0.100	0.116	0.122	116	122	74-138	5.0	30
4-Methyl-2-Pentanone	mg/L	<0.002	0.100	0.100	0.104	0.114	104	114	58-156	9.1	30
Methylene Chloride	mg/L	<0.002	0.100	0.100	0.099	0.105	99.7	105	56-116	5.1	30
Methyl tert-butyl ether (MTBE)	mg/L	<0.0006	0.100	0.100	0.097	0.110	97.7	110	62-143	11.8	30
m,p-Xylene	mg/L	<0.001	0.200	0.200	0.219	0.231	110	116	61-149	5.3	30

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Quality Control Data

Client ID: Ensafe
Project Description: Legends Park
Report No: 21-344-0103

QC Prep: L589845
QC Prep Batch Method: 5030B
QC Analytical Batch(es): L589858
Analysis Method: 8260B
Analysis Description: Volatile Organic Compounds - GC/MS

Matrix Spike & Matrix Spike Duplicate L 95588-MS-L589845 L 95588-MSD-L589845

Parameter	Units	Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS %Rec	MSD %Rec	%Rec Limits	RPD	Max RPD
Naphthalene	mg/L	<0.004	0.100	0.100	0.099	0.115	99.8	115	51-153	14.1	30
o-Xylene	mg/L	<0.0005	0.100	0.100	0.111	0.118	111	118	65-142	6.1	30
n-Propylbenzene	mg/L	<0.0005	0.100	0.100	0.112	0.118	112	118	75-139	5.2	30
Styrene	mg/L	<0.0005	0.100	0.100	0.113	0.120	113	120	59-153	6.0	30
1,1,1,2-Tetrachloroethane	mg/L	<0.0008	0.100	0.100	0.107	0.116	107	116	68-144	8.0	30
1,1,2,2-Tetrachloroethane	mg/L	<0.0009	0.100	0.100	0.107	0.115	107	115	62-148	7.2	30
Tetrachloroethene	mg/L	<0.0005	0.100	0.100	0.110	0.116	110	116	51-161	5.3	30
Toluene	mg/L	<0.0005	0.100	0.100	0.112	0.118	112	118	64-145	5.2	30
1,2,3-Trichlorobenzene	mg/L	<0.001	0.100	0.100	0.093	0.112	93.6	112	64-141	17.8	30
1,2,4-Trichlorobenzene	mg/L	<0.0009	0.100	0.100	0.101	0.114	101	114	64-139	12.0	30
1,1,1-Trichloroethane	mg/L	<0.0004	0.100	0.100	0.102	0.107	102	107	67-136	4.7	30
1,1,2-Trichloroethane	mg/L	<0.0006	0.100	0.100	0.107	0.115	107	115	62-158	7.2	30
Trichloroethene	mg/L	<0.0007	0.100	0.100	0.109	0.115	109	115	56-146	5.3	30
Trichlorofluoromethane	mg/L	<0.0005	0.100	0.100	0.125	0.123	125	123	59-151	1.6	30
1,2,3-Trichloropropane	mg/L	<0.0007	0.100	0.100	0.062	0.067	62.2	67.6	57-148	8.3	30
1,2,4-Trimethylbenzene	mg/L	<0.0005	0.100	0.100	0.112	0.119	112	119	55-149	6.0	30
1,3,5-Trimethylbenzene	mg/L	<0.0006	0.100	0.100	0.112	0.119	112	119	57-150	6.0	30
Vinyl Acetate	mg/L	<0.003	0.100	0.100	0.108	0.117	108	117	43-172	8.0	30
Vinyl Chloride	mg/L	<0.0005	0.100	0.100	0.126	0.121	126	121	50-152	4.0	30
4-Bromofluorobenzene (S)							87.2	84.6	71-137		
Dibromofluoromethane (S)							107	102	70-128		
1,2-Dichloroethane - d4 (S)							87.0	83.0	63-136		
Toluene-d8 (S)							97.4	93.2	70-130		

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Quality Control Data

Client ID: Ensafe
Project Description: Legends Park
Report No: 21-344-0103

QC Prep: L590223
QC Prep Batch Method: 3511
QC Analytical Batch(es): L590228
Analysis Method: 8270D SIM
Analysis Description: Semivolatile Organic Compounds - GC/MS (SIM)

Lab Reagent Blank LRB-L590223 Matrix: AQU
Associated Lab Samples: 96223, 96224, 96225, 96226, 96227

Parameter	Units	Blank Result	MDL	MQL	Analyzed	% Recovery	% Rec Limits
Acenaphthene	mg/L	<0.000018	0.000018	0.000020	12/13/21 20:36		
Acenaphthylene	mg/L	<0.000014	0.000014	0.000020	12/13/21 20:36		
Anthracene	mg/L	<0.000005	0.000005	0.000020	12/13/21 20:36		
Benzo(a)anthracene	mg/L	<0.000011	0.000011	0.000020	12/13/21 20:36		
Benzo(a)pyrene	mg/L	<0.000012	0.000012	0.000020	12/13/21 20:36		
Benzo(b)fluoranthene	mg/L	<0.000008	0.000008	0.000020	12/13/21 20:36		
Benzo(g,h,i)perylene	mg/L	<0.000007	0.000007	0.000020	12/13/21 20:36		
Benzo(k)fluoranthene	mg/L	<0.000016	0.000016	0.000020	12/13/21 20:36		
Chrysene	mg/L	<0.000008	0.000008	0.000020	12/13/21 20:36		
Dibenz(a,h)anthracene	mg/L	<0.000006	0.000006	0.000020	12/13/21 20:36		
Fluoranthene	mg/L	<0.000005	0.000005	0.000020	12/13/21 20:36		
Fluorene	mg/L	<0.000010	0.000010	0.000020	12/13/21 20:36		
Indeno(1,2,3-cd)pyrene	mg/L	<0.000014	0.000014	0.000020	12/13/21 20:36		
1-Methylnaphthalene	mg/L	<0.000007	0.000007	0.000020	12/13/21 20:36		
2-Methylnaphthalene	mg/L	<0.000018	0.000018	0.000020	12/13/21 20:36		
Naphthalene	mg/L	<0.000019	0.000019	0.000020	12/13/21 20:36		
Phenanthrene	mg/L	<0.000008	0.000008	0.000020	12/13/21 20:36		
Pyrene	mg/L	<0.000009	0.000009	0.000020	12/13/21 20:36		
2-Fluorobiphenyl (S)					12/13/21 20:36	95.7	70-130
4-Terphenyl-d14 (S)					12/13/21 20:36	83.4	70-130

Laboratory Control Sample LCS-L590223

Parameter	Units	Spike Conc.	LCS Result	LCS %Rec	% Rec Limits
Acenaphthene	mg/L	0.00303	0.00336	111	60-140
Acenaphthylene	mg/L	0.00303	0.00235	77.5	60-140
Anthracene	mg/L	0.00303	0.00311	103	60-140

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Quality Control Data

Client ID: Ensafe
Project Description: Legends Park
Report No: 21-344-0103

QC Prep: L590223
QC Prep Batch Method: 3511
QC Analytical Batch(es): L590228
Analysis Method: 8270D SIM
Analysis Description: Semivolatile Organic Compounds - GC/MS (SIM)

Laboratory Control Sample LCS-L590223

Parameter	Units	Spike Conc.	LCS Result	LCS %Rec	% Rec Limits
Benzo(a)anthracene	mg/L	0.00303	0.00304	100	60-140
Benzo(a)pyrene	mg/L	0.00303	0.00273	90.0	60-140
Benzo(b)fluoranthene	mg/L	0.00303	0.00229	75.5	60-140
Benzo(g,h,i)perylene	mg/L	0.00303	0.00191	63.0	60-140
Benzo(k)fluoranthene	mg/L	0.00303	0.00271	89.4	60-140
Chrysene	mg/L	0.00303	0.00302	99.6	60-140
Dibenz(a,h)anthracene	mg/L	0.00303	0.00190	62.7	60-140
Fluoranthene	mg/L	0.00303	0.00329	109	60-140
Fluorene	mg/L	0.00303	0.00385	127	60-140
Indeno(1,2,3-cd)pyrene	mg/L	0.00303	0.00185	61.0	60-140
1-Methylnaphthalene	mg/L	0.00303	0.00320	106	60-140
2-Methylnaphthalene	mg/L	0.00303	0.00321	106	60-140
Naphthalene	mg/L	0.00303	0.00308	102	60-140
Phenanthrene	mg/L	0.00303	0.00300	99.0	60-140
Pyrene	mg/L	0.00303	0.00331	109	60-140
2-Fluorobiphenyl (S)				95.7	70-130
4-Terphenyl-d14 (S)				76.2	70-130

Matrix Spike & Matrix Spike Duplicate G 67229-MS-L590223 G 67229-MSD-L590223

Parameter	Units	Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS %Rec	MSD %Rec	%Rec Limits	RPD	Max RPD
Acenaphthene	mg/L	0.000410	0.00303	0.00303	0.00324	0.00409	93.3	121	60-140	23.1	30
Acenaphthylene	mg/L	0.000240	0.00303	0.00303	0.00219	0.00271	64.3	81.5	60-140	21.2	30
Anthracene	mg/L	0.000086	0.00303	0.00303	0.00274	0.00316	90.4	104	60-140	14.2	30
Benzo(a)anthracene	mg/L	<0.000096	0.00303	0.00303	0.00227	0.00213	74.9	70.2	60-140	6.3	30
Benzo(a)pyrene	mg/L	<0.000105	0.00303	0.00303	0.00206	0.00228	67.9	75.2	60-140	10.1	30

Waypoint ANALYTICAL
2790 Whitten Road, Memphis, TN 38133
Main 901.213.2400 ° Fax 901.213.2440
www.waypointanalytical.com

Quality Control Data

Client ID: Ensafe
Project Description: Legends Park
Report No: 21-344-0103

QC Prep: L590223
QC Prep Batch Method: 3511
QC Analytical Batch(es): L590228
Analysis Method: 8270D SIM
Analysis Description: Semivolatile Organic Compounds - GC/MS (SIM)

Matrix Spike & Matrix Spike Duplicate G 67229-MS-L590223 G 67229-MSD-L590223

Parameter	Units	Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS %Rec	MSD %Rec	%Rec Limits	RPD	Max RPD
Benzo(b)fluoranthene	mg/L	<0.000070	0.00303	0.00303	0.00138	0.00155	45.5*	51.1*	60-140	11.6	30
Benzo(g,h,i)perylene	mg/L	<0.000062	0.00303	0.00303	0.00139	0.00145	45.8*	47.8*	60-140	4.2	30
Benzo(k)fluoranthene	mg/L	<0.000140	0.00303	0.00303	0.00218	0.00227	71.9	74.9	60-140	4.0	30
Chrysene	mg/L	<0.000069	0.00303	0.00303	0.00220	0.00269	72.6	88.7	60-140	20.0	30
Dibenz(a,h)anthracene	mg/L	<0.000056	0.00303	0.00303	0.00118	0.00126	38.9*	41.5*	60-140	6.5	30
Fluoranthene	mg/L	<0.000048	0.00303	0.00303	0.00254	0.00284	83.8	93.7	60-140	11.1	30
Fluorene	mg/L	0.000162	0.00303	0.00303	0.00337	0.00392	111	129	60-140	15.0	30
Indeno(1,2,3-cd)pyrene	mg/L	<0.000122	0.00303	0.00303	0.00160	0.00168	52.8*	55.4*	60-140	4.8	30
1-Methylnaphthalene	mg/L	0.0324	0.00303	0.00303	0.0326	0.0421	6.6*	320*	60-140	25.4	30
2-Methylnaphthalene	mg/L	0.0240	0.00303	0.00303	0.0252	0.0318	39.6*	257*	60-140	23.1	30
Naphthalene	mg/L	0.00814	0.00303	0.00303	0.0108	0.0133	87.7	170*	60-140	20.7	30
Phenanthrene	mg/L	0.000200	0.00303	0.00303	0.00277	0.00318	84.8	98.3	60-140	13.7	30
Pyrene	mg/L	<0.000081	0.00303	0.00303	0.00248	0.00281	81.8	92.7	60-140	12.4	30
2-Fluorobiphenyl (S)							76.5	95.3	70-130		
4-Terphenyl-d14 (S)							57.7*	57.4*	70-130		

* QC Fail

Waypoint ANALYTICAL
2790 Whitten Road, Memphis, TN 38133
Main 901.213.2400 ° Fax 901.213.2440
www.waypointanalytical.com

Quality Control Data

Client ID: Ensafe
Project Description: Legends Park
Report No: 21-344-0103

QC Prep: L589700
QC Prep Batch Method: 3510C
QC Analytical Batch(es): L590249
Analysis Method: TN EPH
Analysis Description: TN EPH

Lab Reagent Blank LRB-L589700 Matrix: AQU
Associated Lab Samples: 96223, 96224, 96225, 96226, 96227

Parameter	Units	Blank Result	MDL	MQL	Analyzed	% Recovery	% Rec Limits
Diesel Range Organics (C10-C28)	mg/L	<0.0548	0.0548	0.0900	12/15/21 10:39		
Oil Range Organics (>C28-C40)	mg/L	<0.0841	0.0841	0.0900	12/15/21 10:39		
OTP Surrogate (S)					12/15/21 10:39	51.0	50-150

Laboratory Control Sample & LCSD LCS-L589700 LCSD-L589700

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS %Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD
Diesel Range Organics (C10-C28)	mg/L	1.00	0.699	0.680	69.9	68.0	50-150	2.7	20
Oil Range Organics (>C28-C40)	mg/L	1.00	0.844	0.807	84.4	80.7	50-150	4.4	20
OTP Surrogate (S)					72.0	72.0	50-150		

Waypoint ANALYTICAL
2790 Whitten Road, Memphis, TN 38133
Main 901.213.2400 ° Fax 901.213.2440
www.waypointanalytical.com

Shipment Receipt Form

Customer Number: **03180**
Customer Name: **Ensafe**
Report Number: **21-344-0103**

Shipping Method

◯ Fed Ex	◯ US Postal	◯ Lab	◯ Other :	
◯ UPS	◉ Client	◯ Courier	Thermometer ID:	T99

Shipping container/cooler uncompromised?	◉ Yes	◯ No	
Number of coolers/boxes received	1		
Custody seals intact on shipping container/cooler?	◯ Yes	◯ No	◉ Not Present
Custody seals intact on sample bottles?	◯ Yes	◯ No	◉ Not Present
Chain of Custody (COC) present?	◉ Yes	◯ No	
COC agrees with sample label(s)?	◉ Yes	◯ No	
COC properly completed	◉ Yes	◯ No	
Samples in proper containers?	◉ Yes	◯ No	
Sample containers intact?	◉ Yes	◯ No	
Sufficient sample volume for indicated test(s)?	◉ Yes	◯ No	
All samples received within holding time?	◉ Yes	◯ No	
Cooler temperature in compliance?	◉ Yes	◯ No	
Cooler/Samples arrived at the laboratory on ice. Samples were considered acceptable as cooling process had begun.	◉ Yes	◯ No	
Water - Sample containers properly preserved	◉ Yes	◯ No	◯ N/A
Water - VOA vials free of headspace	◉ Yes	◯ No	◯ N/A
Trip Blanks received with VOAs	◉ Yes	◯ No	◯ N/A
Soil VOA method 5035 – compliance criteria met	◯ Yes	◯ No	◉ N/A

☐ High concentration container (48 hr) ☐ Low concentration EnCore samplers (48 hr)
☐ High concentration pre-weighed (methanol -14 d) ☐ Low conc pre-weighed vials (Sod Bis -14 d)

Special precautions or instructions included?	◯ Yes	◉ No

Comments:

Signature: Hannah R. Brown Date & Time: 12/10/2021 15:51:05

CHAIN OF CUSTODY AND ANALYTICAL REQUEST RECORD

ENSAFE

EnSafe Inc.
800-588-7962

COC No. DWF121021 | Page 1 of 1

PO No.: 03180 | Project No. 08888309 | Phase

Project Name: LEGENDS PARK

Site Location: AYERS + PEACH

Send Results To: aharris@ensafe.com ALLISON HARRIS

Sampler/Site Phone# DAVE FUEHRER 901-338-7798

Lab Name: WAYPOINT

Turnaround Time(specify): 3 DAY TAT

Sample Analysis Requested (*Enter number of containers for each test*)

Lab ID	Sample ID (sys_samp_code)	Location ID (sys_loc_code)	(mm/dd/yy)	Time (Military) (hhmm)	Matrix Code (1)	Sample Type (2)	Field Filtered (Y/N)	(3)→ Total No. of Containers	VOCs (8260)	PAHs by SIM LVI (8270)	RCRA Metals	TNEPH	Extra Volume for MS/MSD	QLD
	LEGGSB01	SB01	12/10/21	1200	WG	N	N	9	X	X	X	X		
	LEGGSB02	SB02	12/10/21	1145	WG	N	N	9	X	X	X	X		
	LEGGSB03	SB03	12/10/21	0945	WG	N	N	9	X	X	X	X		
	LEGGSB04	SB04	12/10/21	1115	WG	N	N	9	X	X	X	X		
	LEGGSB05	SB04	12/10/21	1020	WG	N	N	9	X	X	X	X		
	LEGTB121021	TB	12/10/21	0800	WQ	TB	N (F)	2	X					
							YES							

Ensafe Legends Park 21-344-0104 03180 12-10-2021 16:39:58

Ensafe Legends Park 21-344-0103 03180 12-10-2021 11:55:02

Field **Comments:** FIELD FILTERED SAMPLES
PAH by SIM LVI 3-DAY TAT RESULTS

Lab **Comments:** cooler temp: 1.6°C T99 HS

Sample Shipment and Delivery Details

Number of coolers in shipment: 2

Samples Iced?(check) Yes ✓ No

Method of Shipment: Deliver

Airbill No:

Date Shipped: 12.10.21

	Relinquished by (signature)	Date	Time	Received by (signature)	Date	Time
1	[signature]	12.10.21	1546	Summer Harrison	12/10/21	15:46
2						
3						

(1) **Matrix Code**: **AA**=Air, **AQ**=Air QC Matrix, **CK**=Caulk, **GS**=Soil Gas, **LF**=Free Product, **LH**=Liquid Waste, **MS**=Mastic, **Oil**=Oil, **PT**=Paint, **SC**=Cement/Concrete, **SE**=Sediment, **SF**=Filter Sandpack, **SL**=Sludge, **SN**=Miscellaneous Solid/Building Materials, **SO**=Soil, **SQ**=Soil/Solid QC Matrix, **ST**=Solid Waste, **SW**=Swab/Wipe, **TA**=Animal Tissue, **TP**=Plant Tissue, **WG**=Ground Water, **WL**=Leachate, **WO**=Ocean Water, **WP**=Drinking Water, **WQ**=Water QC Matrix, **WS**=Surface Water, **SU**=Storm Water, **WW**=Waste Water

(2) **Sample Type**: **AB**=Ambient Blank, **EB**=Equipment Blank, **FB**=Field Blank, **FD**=Field Duplicate Sample, **FR**=Field Replicate, **MB**=Material Blank, **N**=Normal Environmental Sample, **RB**=Material Rinse Blank, **TB**=Trip Blank

(3) **Preservative added**: **HA**=Hydrochloric Acid, **NI**=Nitric Acid, **SH**=Sodium Hydroxide, **SA**=Sulfuric Acid, **AA**=Ascorbic Acid, **HX**=Hexane, **ME**=Methanol, **SB**=sodium bisulfate, **ST**=Sodium Thiosulfate, If **NO preservative** added leave blank

Rev. 12/12

Soil Gas
Laboratory Data Report

Pace Analytical Services, LLC
1700 Elm Street
Minneapolis, MN 55414
(612)607-1700

December 14, 2021

Allison Harris
Ensafe
5724 Summer Trees Drive
Memphis, TN 38134

RE: Project: Legends Park Phase II
Pace Project No.: 10590787

Dear Allison Harris:

Enclosed are the analytical results for sample(s) received by the laboratory on December 09, 2021. The results relate only to the samples included in this report. Results reported herein conform to the applicable TNI/NELAC Standards and the laboratory's Quality Manual, where applicable, unless otherwise noted in the body of the report.

The test results provided in this final report were generated by each of the following laboratories within the Pace Network:

- Pace National - Mt. Juliet
- Pace Analytical Services - Minneapolis

If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Carolynne Trout
carolynne.trout@pacelabs.com
1(612)607-6351
Project Manager

Enclosures

cc: Tina Cantwell, Ensafe
Dave Fuehrer, Ensafe
Chelsea Kipper, Ensafe

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Pace Analytical Services, LLC
1700 Elm Street
Minneapolis, MN 55414
(612)607-1700

CERTIFICATIONS

Project: Legends Park Phase II
Pace Project No.: 10590787

Pace Analytical Services, LLC - Minneapolis MN

1700 Elm Street SE, Minneapolis, MN 55414
1800 Elm Street SE, Minneapolis, MN 55414--Satellite Air Lab
A2LA Certification #: 2926.01*
Alabama Certification #: 40770
Alaska Contaminated Sites Certification #: 17-009*
Alaska DW Certification #: MN00064
Arizona Certification #: AZ0014*
Arkansas DW Certification #: MN00064
Arkansas WW Certification #: 88-0680
California Certification #: 2929
Colorado Certification #: MN00064
Connecticut Certification #: PH-0256
EPA Region 8 Tribal Water Systems+Wyoming DW Certification #: via MN 027-053-137
Florida Certification #: E87605*
Georgia Certification #: 959
Hawaii Certification #: MN00064
Idaho Certification #: MN00064
Illinois Certification #: 200011
Indiana Certification #: C-MN-01
Iowa Certification #: 368
Kansas Certification #: E-10167
Kentucky DW Certification #: 90062
Kentucky WW Certification #: 90062
Louisiana DEQ Certification #: AI-03086*
Louisiana DW Certification #: MN00064
Maine Certification #: MN00064*
Maryland Certification #: 322
Michigan Certification #: 9909
Minnesota Certification #: 027-053-137*
Minnesota Dept of Ag Approval: via MN 027-053-137
Minnesota Petrofund Registration #: 1240*
Mississippi Certification #: MN00064
Missouri Certification #: 10100
Montana Certification #: CERT0092
Nebraska Certification #: NE-OS-18-06
Nevada Certification #: MN00064
New Hampshire Certification #: 2081*
New Jersey Certification #: MN002
New York Certification #: 11647*
North Carolina DW Certification #: 27700
North Carolina WW Certification #: 530
North Dakota Certification #: R-036
Ohio DW Certification #: 41244
Ohio VAP Certification (1700) #: CL101
Ohio VAP Certification (1800) #: CL110*
Oklahoma Certification #: 9507*
Oregon Primary Certification #: MN300001
Oregon Secondary Certification #: MN200001*
Pennsylvania Certification #: 68-00563*
Puerto Rico Certification #: MN00064
South Carolina Certification #:74003001
Tennessee Certification #: TN02818
Texas Certification #: T104704192*
Utah Certification #: MN00064*
Vermont Certification #: VT-027053137
Virginia Certification #: 460163*
Washington Certification #: C486*
West Virginia DEP Certification #: 382
West Virginia DW Certification #: 9952 C
Wisconsin Certification #: 999407970
Wyoming UST Certification #: via A2LA 2926.01
USDA Permit #: P330-19-00208
*Please Note: Applicable air certifications are denoted with an asterisk (*).

Pace Analytical Services National

12065 Lebanon Road, Mt. Juliet, TN 37122
Alabama Certification #: 40660
Alaska Certification 17-026
Arizona Certification #: AZ0612
Arkansas Certification #: 88-0469
California Certification #: 2932
Canada Certification #: 1461.01
Colorado Certification #: TN00003
Connecticut Certification #: PH-0197
DOD Certification: #1461.01
EPA# TN00003
Florida Certification #: E87487
Georgia DW Certification #: 923
Georgia Certification: NELAP
Idaho Certification #: TN00003
Illinois Certification #: 200008
Indiana Certification #: C-TN-01
Iowa Certification #: 364
Kansas Certification #: E-10277
Kentucky UST Certification #: 16
Kentucky Certification #: 90010
Louisiana Certification #: AI30792
Louisiana DW Certification #: LA180010
Maine Certification #: TN0002
Maryland Certification #: 324
Massachusetts Certification #: M-TN003
Michigan Certification #: 9958
Minnesota Certification #: 047-999-395
Mississippi Certification #: TN00003
Missouri Certification #: 340
Montana Certification #: CERT0086
Nebraska Certification #: NE-OS-15-05

REPORT OF LABORATORY ANALYSIS

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Pace Analytical Services, LLC
1700 Elm Street
Minneapolis, MN 55414
(612)607-1700

CERTIFICATIONS

Project: Legends Park Phase II
Pace Project No.: 10590787

Pace Analytical Services National

Nevada Certification #: TN-03-2002-34
New Hampshire Certification #: 2975
New Jersey Certification #: TN002
New Mexico DW Certification
New York Certification #: 11742
North Carolina Aquatic Toxicity Certification #: 41
North Carolina Drinking Water Certification #: 21704
North Carolina Environmental Certificate #: 375
North Dakota Certification #: R-140
Ohio VAP Certification #: CL0069
Oklahoma Certification #: 9915
Oregon Certification #: TN200002
Pennsylvania Certification #: 68-02979
Rhode Island Certification #: LAO00356
South Carolina Certification #: 84004
South Dakota Certification
Tennessee DW/Chem/Micro Certification #: 2006
Texas Certification #: T 104704245-17-14
Texas Mold Certification #: LAB0152
USDA Soil Permit #: P330-15-00234
Utah Certification #: TN00003
Vermont Dept. of Health: ID# VT-2006
Virginia Certification #: VT2006
Virginia Certification #: 460132
Washington Certification #: C847
West Virginia Certification #: 233
Wisconsin Certification #: 998093910
Wyoming UST Certification #: via A2LA 2926.01
A2LA-ISO 17025 Certification #: 1461.01
A2LA-ISO 17025 Certification #: 1461.02
AIHA-LAP/LLC EMLAP Certification #:100789

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Minneapolis, MN 55414
(612)607-1700

SAMPLE SUMMARY

Project: Legends Park Phase II
Pace Project No.: 10590787

Lab ID	Sample ID	Matrix	Date Collected	Date Received
10590787001	**LEGASG01**	Air	12/08/21 16:30	12/09/21 09:30
10590787002	**LEGASG02**	Air	12/08/21 14:46	12/09/21 09:30
10590787003	**LEGASG03**	Air	12/08/21 15:10	12/09/21 09:30
10590787004	**LEGASG04**	Air	12/08/21 15:50	12/09/21 09:30
10590787005	**LEGASG05**	Air	12/08/21 14:53	12/09/21 09:30
10590787006	**LEGASG01 CERT#3665**	Air		12/09/21 09:30
10590787007	**LEGASG02 CERT#3874**	Air		12/09/21 09:30
10590787008	**LEGASG03 CERT#1693**	Air		12/09/21 09:30
10590787009	**LEGASG04 CERT#1561**	Air		12/09/21 09:30
10590787010	**LEGASG05 CERT#3681**	Air		12/09/21 09:30
10590787011	**Unused Can 1**	Air		12/09/21 09:30
10590787012	**Unused Can 2**	Air		12/09/21 09:30

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Minneapolis, MN 55414
(612)607-1700

SAMPLE ANALYTE COUNT

Project: Legends Park Phase II
Pace Project No.: 10590787

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
10590787001	**LEGASG01**	TO-15	FKG	54	PAN
10590787002	**LEGASG02**	TO-15	FKG	54	PAN
10590787003	**LEGASG03**	TO-15	FKG	54	PAN
10590787004	**LEGASG04**	TO-15	FKG	54	PAN
10590787005	**LEGASG05**	TO-15	FKG	54	PAN
10590787006	**LEGASG01 CERT#3665**	TO-15	DR1	53	PASI-M
10590787007	**LEGASG02 CERT#3874**	TO-15	DR1	53	PASI-M
10590787008	**LEGASG03 CERT#1693**	TO-15	DR1	53	PASI-M
10590787009	**LEGASG04 CERT#1561**	TO-15	DR1	53	PASI-M
10590787010	**LEGASG05 CERT#3681**	TO-15	DR1	53	PASI-M

PAN = Pace National - Mt. Juliet
PASI-M = Pace Analytical Services - Minneapolis

REPORT OF LABORATORY ANALYSIS

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1700 Elm Street
Minneapolis, MN 55414
(612)607-1700

PROJECT NARRATIVE

Project: Legends Park Phase II
Pace Project No.: 10590787

Method: **TO-15**
Description: VOA (MS) TO-15
Client: EnSafe
Date: December 14, 2021

General Information:
5 samples were analyzed for TO-15 by Pace National Mt. Juliet. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

Hold Time:
The samples were analyzed within the method required hold times with any exceptions noted below.

Initial Calibrations (including MS Tune as applicable):
All criteria were within method requirements with any exceptions noted below.

Continuing Calibration:
All criteria were within method requirements with any exceptions noted below.

Internal Standards:
All internal standards were within QC limits with any exceptions noted below.

Method Blank:
All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

QC Batch: 1787405

B: Analyte was detected in the associated method blank.

- R3739465-3 (Lab ID: R3739465-3)
  - 1,4-Dichlorobenzene

Laboratory Control Spike:
All laboratory control spike compounds were within QC limits with any exceptions noted below.

Additional Comments:

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1700 Elm Street
Minneapolis, MN 55414
(612)607-1700

PROJECT NARRATIVE

Project: Legends Park Phase II
Pace Project No.: 10590787

Method: **TO-15**
Description: Individual Can Certification
Client: EnSafe
Date: December 14, 2021

General Information:
5 samples were analyzed for TO-15 by Pace Analytical Services Minneapolis. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

Hold Time:
The samples were analyzed within the method required hold times with any exceptions noted below.

Initial Calibrations (including MS Tune as applicable):
All criteria were within method requirements with any exceptions noted below.

Continuing Calibration:
All criteria were within method requirements with any exceptions noted below.

Internal Standards:
All internal standards were within QC limits with any exceptions noted below.

Method Blank:
All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

Laboratory Control Spike:
All laboratory control spike compounds were within QC limits with any exceptions noted below.

Additional Comments:

This data package has been reviewed for quality and completeness and is approved for release.

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Pace Analytical Services, LLC
1700 Elm Street
Minneapolis, MN 55414
(612)607-1700

ANALYTICAL RESULTS

Project: Legends Park Phase II
Pace Project No.: 10590787

Sample: LEGASG01 **Lab ID: 10590787001** Collected: 12/08/21 16:30 Received: 12/09/21 09:30 Matrix: Air

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
VOA (MS) TO-15	Analytical Method: TO-15 Preparation Method: TO-15 Pace National - Mt. Juliet								
Acrylonitrile	**<0.856**	ug/m3	19.0	0.856	1.75	12/10/21 17:35	12/10/21 17:35	107-13-1	
Acetone	**72.0**	ug/m3	5.20	2.42	1.75	12/10/21 17:35	12/10/21 17:35	67-64-1	
Benzene	**13.8**	ug/m3	1.12	0.399	1.75	12/10/21 17:35	12/10/21 17:35	71-43-2	
Benzyl chloride	**<0.545**	ug/m3	1.82	0.545	1.75	12/10/21 17:35	12/10/21 17:35	100-44-7	
Bromodichloromethane	**1.19J**	ug/m3	2.35	0.825	1.75	12/10/21 17:35	12/10/21 17:35	75-27-4	J
Bromoform	**<1.32**	ug/m3	10.9	1.32	1.75	12/10/21 17:35	12/10/21 17:35	75-25-2	
Bromomethane	**<0.668**	ug/m3	1.36	0.668	1.75	12/10/21 17:35	12/10/21 17:35	74-83-9	
1,3-Butadiene	**1.42J**	ug/m3	7.74	0.403	1.75	12/10/21 17:35	12/10/21 17:35	106-99-0	J
Carbon tetrachloride	**0.844J**	ug/m3	2.20	0.806	1.75	12/10/21 17:35	12/10/21 17:35	56-23-5	J
Chlorobenzene	**<0.675**	ug/m3	1.62	0.675	1.75	12/10/21 17:35	12/10/21 17:35	108-90-7	
Chloroethane	**<0.459**	ug/m3	0.923	0.459	1.75	12/10/21 17:35	12/10/21 17:35	75-00-3	
Chloroform	**<0.608**	ug/m3	1.70	0.608	1.75	12/10/21 17:35	12/10/21 17:35	67-66-3	
Chloromethane	**0.386J**	ug/m3	0.723	0.372	1.75	12/10/21 17:35	12/10/21 17:35	74-87-3	J
Cyclohexane	**2.78**	ug/m3	1.21	0.455	1.75	12/10/21 17:35	12/10/21 17:35	110-82-7	
1,2-Dibromoethane (EDB)	**<0.969**	ug/m3	2.69	0.969	1.75	12/10/21 17:35	12/10/21 17:35	106-93-4	
1,2-Dichlorobenzene	**<1.35**	ug/m3	2.10	1.35	1.75	12/10/21 17:35	12/10/21 17:35	95-50-1	
1,4-Dichlorobenzene	**<0.586**	ug/m3	2.10	0.586	1.75	12/10/21 17:35	12/10/21 17:35	106-46-7	
1,2-Dichloroethane	**<0.498**	ug/m3	1.42	0.498	1.75	12/10/21 17:35	12/10/21 17:35	107-06-2	
1,1-Dichloroethane	**<0.509**	ug/m3	1.40	0.509	1.75	12/10/21 17:35	12/10/21 17:35	75-34-3	
1,1-Dichloroethene	**<0.527**	ug/m3	1.39	0.527	1.75	12/10/21 17:35	12/10/21 17:35	75-35-4	
1,2-Dichloropropane	**<0.615**	ug/m3	1.62	0.615	1.75	12/10/21 17:35	12/10/21 17:35	78-87-5	
trans-1,2-Dichloroethene	**<0.468**	ug/m3	1.39	0.468	1.75	12/10/21 17:35	12/10/21 17:35	156-60-5	
cis-1,3-Dichloropropene	**<0.549**	ug/m3	1.59	0.549	1.75	12/10/21 17:35	12/10/21 17:35	10061-01-5	
trans-1,3-Dichloropropene	**<0.577**	ug/m3	1.59	0.577	1.75	12/10/21 17:35	12/10/21 17:35	10061-02-6	
1,4-Dioxane (p-Dioxane)	**<0.526**	ug/m3	1.26	0.526	1.75	12/10/21 17:35	12/10/21 17:35	123-91-1	
Ethylbenzene	**3.95**	ug/m3	1.52	0.633	1.75	12/10/21 17:35	12/10/21 17:35	100-41-4	
Dichlorodifluoromethane	**3.18**	ug/m3	1.73	1.19	1.75	12/10/21 17:35	12/10/21 17:35	75-71-8	
1,1,2-Trichlorotrifluoroethane	**1.33J**	ug/m3	2.68	1.07	1.75	12/10/21 17:35	12/10/21 17:35	76-13-1	J
n-Heptane	**3.01**	ug/m3	1.43	0.744	1.75	12/10/21 17:35	12/10/21 17:35	142-82-5	
Hexachloro-1,3-butadiene	**<1.96**	ug/m3	11.7	1.96	1.75	12/10/21 17:35	12/10/21 17:35	87-68-3	
n-Hexane	**2.22J**	ug/m3	3.88	1.27	1.75	12/10/21 17:35	12/10/21 17:35	110-54-3	J
Methylene Chloride	**0.653J**	ug/m3	1.22	0.594	1.75	12/10/21 17:35	12/10/21 17:35	75-09-2	J
2-Hexanone	**2.27J**	ug/m3	8.96	0.953	1.75	12/10/21 17:35	12/10/21 17:35	591-78-6	J
2-Butanone (MEK)	**7.84**	ug/m3	6.46	0.419	1.75	12/10/21 17:35	12/10/21 17:35	78-93-3	
Methyl-tert-butyl ether	**1.63**	ug/m3	1.26	0.407	1.75	12/10/21 17:35	12/10/21 17:35	1634-04-4	
Naphthalene	**26.8**	ug/m3	5.76	3.20	1.75	12/10/21 17:35	12/10/21 17:35	91-20-3	
2-Propanol	**19.9**	ug/m3	5.38	1.14	1.75	12/10/21 17:35	12/10/21 17:35	67-63-0	
Propylene	**<0.281**	ug/m3	3.77	0.281	1.75	12/10/21 17:35	12/10/21 17:35	115-07-1	
Styrene	**<0.587**	ug/m3	1.49	0.587	1.75	12/10/21 17:35	12/10/21 17:35	100-42-5	
1,1,2,2-Tetrachloroethane	**<0.893**	ug/m3	2.40	0.893	1.75	12/10/21 17:35	12/10/21 17:35	79-34-5	
Tetrachloroethene	**0.964J**	ug/m3	2.38	0.964	1.75	12/10/21 17:35	12/10/21 17:35	127-18-4	J
Toluene	**13.4**	ug/m3	3.30	0.573	1.75	12/10/21 17:35	12/10/21 17:35	108-88-3	
1,2,4-Trichlorobenzene	**<1.92**	ug/m3	8.14	1.92	1.75	12/10/21 17:35	12/10/21 17:35	120-82-1	
1,1,1-Trichloroethane	**<0.702**	ug/m3	1.90	0.702	1.75	12/10/21 17:35	12/10/21 17:35	71-55-6	
1,1,2-Trichloroethane	**<0.740**	ug/m3	1.90	0.740	1.75	12/10/21 17:35	12/10/21 17:35	79-00-5	

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1700 Elm Street
Minneapolis, MN 55414
(612)607-1700

ANALYTICAL RESULTS

Project: Legends Park Phase II
Pace Project No.: 10590787

Sample: LEGASG01 **Lab ID: 10590787001** Collected: 12/08/21 16:30 Received: 12/09/21 09:30 Matrix: Air

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
VOA (MS) TO-15	Analytical Method: TO-15 Preparation Method: TO-15 Pace National - Mt. Juliet								
Trichloroethene	**<0.638**	ug/m3	1.88	0.638	1.75	12/10/21 17:35	12/10/21 17:35	79-01-6	
1,2,4-Trimethylbenzene	**10.6**	ug/m3	1.72	0.658	1.75	12/10/21 17:35	12/10/21 17:35	95-63-6	
1,3,5-Trimethylbenzene	**5.79**	ug/m3	1.72	0.667	1.75	12/10/21 17:35	12/10/21 17:35	108-67-8	
Vinyl acetate	**<0.715**	ug/m3	1.23	0.715	1.75	12/10/21 17:35	12/10/21 17:35	108-05-4	
Vinyl chloride	**<0.424**	ug/m3	0.895	0.424	1.75	12/10/21 17:35	12/10/21 17:35	75-01-4	
m&p-Xylene	**16.9**	ug/m3	3.03	1.02	1.75	12/10/21 17:35	12/10/21 17:35	179601-23-1	
o-Xylene	**12.2**	ug/m3	1.52	0.629	1.75	12/10/21 17:35	12/10/21 17:35	95-47-6	
Xylene (Total)	**29.1**	ug/m3	4.56	1.02	1.75	12/10/21 17:35	12/10/21 17:35	1330-20-7	
Surrogates									
1,4-Dichlorobenzene-d4 (IS)	101	%	60.0-140		1.75	12/10/21 17:35	12/10/21 17:35	3855-82-1	

Sample: LEGASG02 **Lab ID: 10590787002** Collected: 12/08/21 14:46 Received: 12/09/21 09:30 Matrix: Air

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
VOA (MS) TO-15	Analytical Method: TO-15 Preparation Method: TO-15 Pace National - Mt. Juliet								
Acrylonitrile	**<0.728**	ug/m3	16.1	0.728	1.49	12/10/21 18:18	12/10/21 18:18	107-13-1	
Acetone	**145**	ug/m3	4.42	2.07	1.49	12/10/21 18:18	12/10/21 18:18	67-64-1	
Benzene	**2.18**	ug/m3	0.952	0.342	1.49	12/10/21 18:18	12/10/21 18:18	71-43-2	
Benzyl chloride	**<0.463**	ug/m3	1.55	0.463	1.49	12/10/21 18:18	12/10/21 18:18	100-44-7	
Bromodichloromethane	**<0.704**	ug/m3	2.00	0.704	1.49	12/10/21 18:18	12/10/21 18:18	75-27-4	
Bromoform	**<1.13**	ug/m3	9.25	1.13	1.49	12/10/21 18:18	12/10/21 18:18	75-25-2	
Bromomethane	**<0.567**	ug/m3	1.16	0.567	1.49	12/10/21 18:18	12/10/21 18:18	74-83-9	
1,3-Butadiene	**0.843J**	ug/m3	6.59	0.343	1.49	12/10/21 18:18	12/10/21 18:18	106-99-0	J
Carbon tetrachloride	**0.976J**	ug/m3	1.88	0.687	1.49	12/10/21 18:18	12/10/21 18:18	56-23-5	J
Chlorobenzene	**<0.573**	ug/m3	1.38	0.573	1.49	12/10/21 18:18	12/10/21 18:18	108-90-7	
Chloroethane	**<0.390**	ug/m3	0.786	0.390	1.49	12/10/21 18:18	12/10/21 18:18	75-00-3	
Chloroform	**<0.521**	ug/m3	1.45	0.521	1.49	12/10/21 18:18	12/10/21 18:18	67-66-3	
Chloromethane	**0.708**	ug/m3	0.616	0.316	1.49	12/10/21 18:18	12/10/21 18:18	74-87-3	
Cyclohexane	**3.40**	ug/m3	1.03	0.386	1.49	12/10/21 18:18	12/10/21 18:18	110-82-7	
1,2-Dibromoethane (EDB)	**<0.823**	ug/m3	2.29	0.823	1.49	12/10/21 18:18	12/10/21 18:18	106-93-4	
1,2-Dichlorobenzene	**<1.15**	ug/m3	1.79	1.15	1.49	12/10/21 18:18	12/10/21 18:18	95-50-1	
1,4-Dichlorobenzene	**<0.499**	ug/m3	1.79	0.499	1.49	12/10/21 18:18	12/10/21 18:18	106-46-7	
1,2-Dichloroethane	**<0.421**	ug/m3	1.21	0.421	1.49	12/10/21 18:18	12/10/21 18:18	107-06-2	
1,1-Dichloroethane	**<0.433**	ug/m3	1.19	0.433	1.49	12/10/21 18:18	12/10/21 18:18	75-34-3	
1,1-Dichloroethene	**<0.452**	ug/m3	1.18	0.452	1.49	12/10/21 18:18	12/10/21 18:18	75-35-4	
1,2-Dichloropropane	**<0.522**	ug/m3	1.38	0.522	1.49	12/10/21 18:18	12/10/21 18:18	78-87-5	
trans-1,2-Dichloroethene	**<0.396**	ug/m3	1.18	0.396	1.49	12/10/21 18:18	12/10/21 18:18	156-60-5	
cis-1,3-Dichloropropene	**<0.468**	ug/m3	1.35	0.468	1.49	12/10/21 18:18	12/10/21 18:18	10061-01-5	
trans-1,3-Dichloropropene	**<0.490**	ug/m3	1.35	0.490	1.49	12/10/21 18:18	12/10/21 18:18	10061-02-6	
1,4-Dioxane (p-Dioxane)	**<0.447**	ug/m3	1.07	0.447	1.49	12/10/21 18:18	12/10/21 18:18	123-91-1	
Ethylbenzene	**2.49**	ug/m3	1.29	0.538	1.49	12/10/21 18:18	12/10/21 18:18	100-41-4	

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ANALYTICAL RESULTS

Project: Legends Park Phase II
Pace Project No.: 10590787

Sample: LEGASG02 **Lab ID: 10590787002** Collected: 12/08/21 14:46 Received: 12/09/21 09:30 Matrix: Air

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
VOA (MS) TO-15	Analytical Method: TO-15 Preparation Method: TO-15 Pace National - Mt. Juliet								
Dichlorodifluoromethane	**3.52**	ug/m3	1.47	1.01	1.49	12/10/21 18:18	12/10/21 18:18	75-71-8	
1,1,2-Trichlorotrifluoroethane	**1.10J**	ug/m3	2.28	0.904	1.49	12/10/21 18:18	12/10/21 18:18	76-13-1	J
n-Heptane	**3.88**	ug/m3	1.22	0.634	1.49	12/10/21 18:18	12/10/21 18:18	142-82-5	
Hexachloro-1,3-butadiene	**<1.67**	ug/m3	10.0	1.67	1.49	12/10/21 18:18	12/10/21 18:18	87-68-3	
n-Hexane	**4.76**	ug/m3	3.31	1.08	1.49	12/10/21 18:18	12/10/21 18:18	110-54-3	
Methylene Chloride	**0.639J**	ug/m3	1.03	0.507	1.49	12/10/21 18:18	12/10/21 18:18	75-09-2	J
2-Hexanone	**8.79**	ug/m3	7.61	0.810	1.49	12/10/21 18:18	12/10/21 18:18	591-78-6	
2-Butanone (MEK)	**19.2**	ug/m3	5.48	0.357	1.49	12/10/21 18:18	12/10/21 18:18	78-93-3	
Methyl-tert-butyl ether	**<0.347**	ug/m3	1.07	0.347	1.49	12/10/21 18:18	12/10/21 18:18	1634-04-4	
Naphthalene	**<2.73**	ug/m3	4.92	2.73	1.49	12/10/21 18:18	12/10/21 18:18	91-20-3	
2-Propanol	**4.87**	ug/m3	4.57	0.966	1.49	12/10/21 18:18	12/10/21 18:18	67-63-0	
Propylene	**<0.239**	ug/m3	3.20	0.239	1.49	12/10/21 18:18	12/10/21 18:18	115-07-1	
Styrene	**<0.498**	ug/m3	1.27	0.498	1.49	12/10/21 18:18	12/10/21 18:18	100-42-5	
1,1,2,2-Tetrachloroethane	**<0.763**	ug/m3	2.05	0.763	1.49	12/10/21 18:18	12/10/21 18:18	79-34-5	
Tetrachloroethene	**<0.822**	ug/m3	2.02	0.822	1.49	12/10/21 18:18	12/10/21 18:18	127-18-4	
Toluene	**10.5**	ug/m3	2.81	0.490	1.49	12/10/21 18:18	12/10/21 18:18	108-88-3	
1,2,4-Trichlorobenzene	**<1.64**	ug/m3	6.95	1.64	1.49	12/10/21 18:18	12/10/21 18:18	120-82-1	
1,1,1-Trichloroethane	**<0.598**	ug/m3	1.62	0.598	1.49	12/10/21 18:18	12/10/21 18:18	71-55-6	
1,1,2-Trichloroethane	**<0.626**	ug/m3	1.62	0.626	1.49	12/10/21 18:18	12/10/21 18:18	79-00-5	
Trichloroethene	**<0.541**	ug/m3	1.60	0.541	1.49	12/10/21 18:18	12/10/21 18:18	79-01-6	
1,2,4-Trimethylbenzene	**6.23**	ug/m3	1.46	0.560	1.49	12/10/21 18:18	12/10/21 18:18	95-63-6	
1,3,5-Trimethylbenzene	**1.87**	ug/m3	1.46	0.569	1.49	12/10/21 18:18	12/10/21 18:18	108-67-8	
Vinyl acetate	**<0.609**	ug/m3	1.05	0.609	1.49	12/10/21 18:18	12/10/21 18:18	108-05-4	
Vinyl chloride	**<0.360**	ug/m3	0.762	0.360	1.49	12/10/21 18:18	12/10/21 18:18	75-01-4	
m&p-Xylene	**9.23**	ug/m3	2.58	0.871	1.49	12/10/21 18:18	12/10/21 18:18	179601-23-1	
o-Xylene	**6.33**	ug/m3	1.29	0.533	1.49	12/10/21 18:18	12/10/21 18:18	95-47-6	
Xylene (Total)	**15.6**	ug/m3	3.88	0.873	1.49	12/10/21 18:18	12/10/21 18:18	1330-20-7	
Surrogates									
1,4-Dichlorobenzene-d4 (IS)	101	%	60.0-140		1.49	12/10/21 18:18	12/10/21 18:18	3855-82-1	

Sample: LEGASG03 **Lab ID: 10590787003** Collected: 12/08/21 15:10 Received: 12/09/21 09:30 Matrix: Air

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
VOA (MS) TO-15	Analytical Method: TO-15 Preparation Method: TO-15 Pace National - Mt. Juliet								
Acrylonitrile	**<0.728**	ug/m3	16.1	0.728	1.49	12/10/21 19:01	12/10/21 19:01	107-13-1	
Acetone	**51.1**	ug/m3	4.42	2.07	1.49	12/10/21 19:01	12/10/21 19:01	67-64-1	
Benzene	**1.67**	ug/m3	0.952	0.342	1.49	12/10/21 19:01	12/10/21 19:01	71-43-2	
Benzyl chloride	**<0.463**	ug/m3	1.55	0.463	1.49	12/10/21 19:01	12/10/21 19:01	100-44-7	
Bromodichloromethane	**<0.704**	ug/m3	2.00	0.704	1.49	12/10/21 19:01	12/10/21 19:01	75-27-4	
Bromoform	**<1.13**	ug/m3	9.25	1.13	1.49	12/10/21 19:01	12/10/21 19:01	75-25-2	
Bromomethane	**<0.567**	ug/m3	1.16	0.567	1.49	12/10/21 19:01	12/10/21 19:01	74-83-9	

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ANALYTICAL RESULTS

Project: Legends Park Phase II
Pace Project No.: 10590787

Sample: LEGASG03 **Lab ID: 10590787003** Collected: 12/08/21 15:10 Received: 12/09/21 09:30 Matrix: Air

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
VOA (MS) TO-15	Analytical Method: TO-15 Preparation Method: TO-15 Pace National - Mt. Juliet								
1,3-Butadiene	**<0.343**	ug/m3	6.59	0.343	1.49	12/10/21 19:01	12/10/21 19:01	106-99-0	
Carbon tetrachloride	**<0.687**	ug/m3	1.88	0.687	1.49	12/10/21 19:01	12/10/21 19:01	56-23-5	
Chlorobenzene	**<0.573**	ug/m3	1.38	0.573	1.49	12/10/21 19:01	12/10/21 19:01	108-90-7	
Chloroethane	**<0.390**	ug/m3	0.786	0.390	1.49	12/10/21 19:01	12/10/21 19:01	75-00-3	
Chloroform	**0.759J**	ug/m3	1.45	0.521	1.49	12/10/21 19:01	12/10/21 19:01	67-66-3	J
Chloromethane	**<0.316**	ug/m3	0.616	0.316	1.49	12/10/21 19:01	12/10/21 19:01	74-87-3	
Cyclohexane	**0.816J**	ug/m3	1.03	0.386	1.49	12/10/21 19:01	12/10/21 19:01	110-82-7	J
1,2-Dibromoethane (EDB)	**<0.823**	ug/m3	2.29	0.823	1.49	12/10/21 19:01	12/10/21 19:01	106-93-4	
1,2-Dichlorobenzene	**<1.15**	ug/m3	1.79	1.15	1.49	12/10/21 19:01	12/10/21 19:01	95-50-1	
1,4-Dichlorobenzene	**<0.499**	ug/m3	1.79	0.499	1.49	12/10/21 19:01	12/10/21 19:01	106-46-7	
1,2-Dichloroethane	**<0.421**	ug/m3	1.21	0.421	1.49	12/10/21 19:01	12/10/21 19:01	107-06-2	
1,1-Dichloroethane	**<0.433**	ug/m3	1.19	0.433	1.49	12/10/21 19:01	12/10/21 19:01	75-34-3	
1,1-Dichloroethene	**<0.452**	ug/m3	1.18	0.452	1.49	12/10/21 19:01	12/10/21 19:01	75-35-4	
1,2-Dichloropropane	**<0.522**	ug/m3	1.38	0.522	1.49	12/10/21 19:01	12/10/21 19:01	78-87-5	
trans-1,2-Dichloroethene	**<0.396**	ug/m3	1.18	0.396	1.49	12/10/21 19:01	12/10/21 19:01	156-60-5	
cis-1,3-Dichloropropene	**<0.468**	ug/m3	1.35	0.468	1.49	12/10/21 19:01	12/10/21 19:01	10061-01-5	
trans-1,3-Dichloropropene	**<0.490**	ug/m3	1.35	0.490	1.49	12/10/21 19:01	12/10/21 19:01	10061-02-6	
1,4-Dioxane (p-Dioxane)	**<0.447**	ug/m3	1.07	0.447	1.49	12/10/21 19:01	12/10/21 19:01	123-91-1	
Ethylbenzene	**1.98**	ug/m3	1.29	0.538	1.49	12/10/21 19:01	12/10/21 19:01	100-41-4	
Dichlorodifluoromethane	**2.83**	ug/m3	1.47	1.01	1.49	12/10/21 19:01	12/10/21 19:01	75-71-8	
1,1,2-Trichlorotrifluoroethane	**0.996J**	ug/m3	2.28	0.904	1.49	12/10/21 19:01	12/10/21 19:01	76-13-1	J
n-Heptane	**1.10J**	ug/m3	1.22	0.634	1.49	12/10/21 19:01	12/10/21 19:01	142-82-5	J
Hexachloro-1,3-butadiene	**<1.67**	ug/m3	10.0	1.67	1.49	12/10/21 19:01	12/10/21 19:01	87-68-3	
n-Hexane	**1.10J**	ug/m3	3.31	1.08	1.49	12/10/21 19:01	12/10/21 19:01	110-54-3	J
Methylene Chloride	**<0.507**	ug/m3	1.03	0.507	1.49	12/10/21 19:01	12/10/21 19:01	75-09-2	
2-Hexanone	**1.37J**	ug/m3	7.61	0.810	1.49	12/10/21 19:01	12/10/21 19:01	591-78-6	J
2-Butanone (MEK)	**3.16J**	ug/m3	5.48	0.357	1.49	12/10/21 19:01	12/10/21 19:01	78-93-3	J
Methyl-tert-butyl ether	**0.854J**	ug/m3	1.07	0.347	1.49	12/10/21 19:01	12/10/21 19:01	1634-04-4	J
Naphthalene	**<2.73**	ug/m3	4.92	2.73	1.49	12/10/21 19:01	12/10/21 19:01	91-20-3	
2-Propanol	**<0.966**	ug/m3	4.57	0.966	1.49	12/10/21 19:01	12/10/21 19:01	67-63-0	
Propylene	**<0.239**	ug/m3	3.20	0.239	1.49	12/10/21 19:01	12/10/21 19:01	115-07-1	
Styrene	**<0.498**	ug/m3	1.27	0.498	1.49	12/10/21 19:01	12/10/21 19:01	100-42-5	
1,1,2,2-Tetrachloroethane	**<0.763**	ug/m3	2.05	0.763	1.49	12/10/21 19:01	12/10/21 19:01	79-34-5	
Tetrachloroethene	**<0.822**	ug/m3	2.02	0.822	1.49	12/10/21 19:01	12/10/21 19:01	127-18-4	
Toluene	**4.11**	ug/m3	2.81	0.490	1.49	12/10/21 19:01	12/10/21 19:01	108-88-3	
1,2,4-Trichlorobenzene	**<1.64**	ug/m3	6.95	1.64	1.49	12/10/21 19:01	12/10/21 19:01	120-82-1	
1,1,1-Trichloroethane	**<0.598**	ug/m3	1.62	0.598	1.49	12/10/21 19:01	12/10/21 19:01	71-55-6	
1,1,2-Trichloroethane	**<0.626**	ug/m3	1.62	0.626	1.49	12/10/21 19:01	12/10/21 19:01	79-00-5	
Trichloroethene	**<0.541**	ug/m3	1.60	0.541	1.49	12/10/21 19:01	12/10/21 19:01	79-01-6	
1,2,4-Trimethylbenzene	**4.60**	ug/m3	1.46	0.560	1.49	12/10/21 19:01	12/10/21 19:01	95-63-6	
1,3,5-Trimethylbenzene	**1.75**	ug/m3	1.46	0.569	1.49	12/10/21 19:01	12/10/21 19:01	108-67-8	
Vinyl acetate	**<0.609**	ug/m3	1.05	0.609	1.49	12/10/21 19:01	12/10/21 19:01	108-05-4	
Vinyl chloride	**<0.360**	ug/m3	0.762	0.360	1.49	12/10/21 19:01	12/10/21 19:01	75-01-4	
m&p-Xylene	**6.63**	ug/m3	2.58	0.871	1.49	12/10/21 19:01	12/10/21 19:01	179601-23-1	
o-Xylene	**4.34**	ug/m3	1.29	0.533	1.49	12/10/21 19:01	12/10/21 19:01	95-47-6	

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1700 Elm Street
Minneapolis, MN 55414
(612)607-1700

ANALYTICAL RESULTS

Project: Legends Park Phase II
Pace Project No.: 10590787

Sample: LEGASG03 **Lab ID: 10590787003** Collected: 12/08/21 15:10 Received: 12/09/21 09:30 Matrix: Air

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
VOA (MS) TO-15	Analytical Method: TO-15 Preparation Method: TO-15 Pace National - Mt. Juliet								
Xylene (Total)	**11.0**	ug/m3	3.88	0.873	1.49	12/10/21 19:01	12/10/21 19:01	1330-20-7	
Surrogates									
1,4-Dichlorobenzene-d4 (IS)	99.4	%	60.0-140		1.49	12/10/21 19:01	12/10/21 19:01	3855-82-1	

Sample: LEGASG04 **Lab ID: 10590787004** Collected: 12/08/21 15:50 Received: 12/09/21 09:30 Matrix: Air

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
VOA (MS) TO-15	Analytical Method: TO-15 Preparation Method: TO-15 Pace National - Mt. Juliet								
Acrylonitrile	**<0.759**	ug/m3	16.8	0.759	1.55	12/10/21 19:43	12/10/21 19:43	107-13-1	
Acetone	**6.11**	ug/m3	4.61	2.15	1.55	12/10/21 19:43	12/10/21 19:43	67-64-1	
Benzene	**0.581J**	ug/m3	0.990	0.355	1.55	12/10/21 19:43	12/10/21 19:43	71-43-2	J
Benzyl chloride	**<0.482**	ug/m3	1.61	0.482	1.55	12/10/21 19:43	12/10/21 19:43	100-44-7	
Bromodichloromethane	**<0.731**	ug/m3	2.08	0.731	1.55	12/10/21 19:43	12/10/21 19:43	75-27-4	
Bromoform	**<1.17**	ug/m3	9.62	1.17	1.55	12/10/21 19:43	12/10/21 19:43	75-25-2	
Bromomethane	**<0.590**	ug/m3	1.20	0.590	1.55	12/10/21 19:43	12/10/21 19:43	74-83-9	
1,3-Butadiene	**<0.356**	ug/m3	6.86	0.356	1.55	12/10/21 19:43	12/10/21 19:43	106-99-0	
Carbon tetrachloride	**<0.712**	ug/m3	1.95	0.712	1.55	12/10/21 19:43	12/10/21 19:43	56-23-5	
Chlorobenzene	**<0.596**	ug/m3	1.43	0.596	1.55	12/10/21 19:43	12/10/21 19:43	108-90-7	
Chloroethane	**<0.406**	ug/m3	0.818	0.406	1.55	12/10/21 19:43	12/10/21 19:43	75-00-3	
Chloroform	**0.891J**	ug/m3	1.51	0.540	1.55	12/10/21 19:43	12/10/21 19:43	67-66-3	J
Chloromethane	**0.425J**	ug/m3	0.640	0.330	1.55	12/10/21 19:43	12/10/21 19:43	74-87-3	J
Cyclohexane	**0.637J**	ug/m3	1.07	0.403	1.55	12/10/21 19:43	12/10/21 19:43	110-82-7	J
1,2-Dibromoethane (EDB)	**<0.861**	ug/m3	2.38	0.861	1.55	12/10/21 19:43	12/10/21 19:43	106-93-4	
1,2-Dichlorobenzene	**<1.19**	ug/m3	1.86	1.19	1.55	12/10/21 19:43	12/10/21 19:43	95-50-1	
1,4-Dichlorobenzene	**0.568J**	ug/m3	1.86	0.519	1.55	12/10/21 19:43	12/10/21 19:43	106-46-7	B,J
1,2-Dichloroethane	**<0.441**	ug/m3	1.26	0.441	1.55	12/10/21 19:43	12/10/21 19:43	107-06-2	
1,1-Dichloroethane	**<0.449**	ug/m3	1.24	0.449	1.55	12/10/21 19:43	12/10/21 19:43	75-34-3	
1,1-Dichloroethene	**<0.468**	ug/m3	1.23	0.468	1.55	12/10/21 19:43	12/10/21 19:43	75-35-4	
1,2-Dichloropropane	**<0.545**	ug/m3	1.43	0.545	1.55	12/10/21 19:43	12/10/21 19:43	78-87-5	
trans-1,2-Dichloroethene	**<0.412**	ug/m3	1.23	0.412	1.55	12/10/21 19:43	12/10/21 19:43	156-60-5	
cis-1,3-Dichloropropene	**<0.486**	ug/m3	1.41	0.486	1.55	12/10/21 19:43	12/10/21 19:43	10061-01-5	
trans-1,3-Dichloropropene	**<0.513**	ug/m3	1.41	0.513	1.55	12/10/21 19:43	12/10/21 19:43	10061-02-6	
1,4-Dioxane (p-Dioxane)	**<0.465**	ug/m3	1.12	0.465	1.55	12/10/21 19:43	12/10/21 19:43	123-91-1	
Ethylbenzene	**0.863J**	ug/m3	1.34	0.559	1.55	12/10/21 19:43	12/10/21 19:43	100-41-4	J
Dichlorodifluoromethane	**3.17**	ug/m3	1.53	1.05	1.55	12/10/21 19:43	12/10/21 19:43	75-71-8	
1,1,2-Trichlorotrifluoroethane	**1.12J**	ug/m3	2.38	0.943	1.55	12/10/21 19:43	12/10/21 19:43	76-13-1	J
n-Heptane	**<0.658**	ug/m3	1.27	0.658	1.55	12/10/21 19:43	12/10/21 19:43	142-82-5	
Hexachloro-1,3-butadiene	**<1.74**	ug/m3	10.4	1.74	1.55	12/10/21 19:43	12/10/21 19:43	87-68-3	
n-Hexane	**<1.12**	ug/m3	3.44	1.12	1.55	12/10/21 19:43	12/10/21 19:43	110-54-3	
Methylene Chloride	**0.583J**	ug/m3	1.08	0.528	1.55	12/10/21 19:43	12/10/21 19:43	75-09-2	J
2-Hexanone	**<0.843**	ug/m3	7.93	0.843	1.55	12/10/21 19:43	12/10/21 19:43	591-78-6	

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ANALYTICAL RESULTS

Project: Legends Park Phase II
Pace Project No.: 10590787

Sample: LEGASG04 **Lab ID: 10590787004** Collected: 12/08/21 15:50 Received: 12/09/21 09:30 Matrix: Air

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
VOA (MS) TO-15	Analytical Method: TO-15 Preparation Method: TO-15 Pace National - Mt. Juliet								
2-Butanone (MEK)	**<0.372**	ug/m3	5.72	0.372	1.55	12/10/21 19:43	12/10/21 19:43	78-93-3	
Methyl-tert-butyl ether	**<0.360**	ug/m3	1.12	0.360	1.55	12/10/21 19:43	12/10/21 19:43	1634-04-4	
Naphthalene	**<2.84**	ug/m3	5.11	2.84	1.55	12/10/21 19:43	12/10/21 19:43	91-20-3	
2-Propanol	**2.63J**	ug/m3	4.77	1.01	1.55	12/10/21 19:43	12/10/21 19:43	67-63-0	J
Propylene	**<0.248**	ug/m3	3.34	0.248	1.55	12/10/21 19:43	12/10/21 19:43	115-07-1	
Styrene	**<0.519**	ug/m3	1.32	0.519	1.55	12/10/21 19:43	12/10/21 19:43	100-42-5	
1,1,2,2-Tetrachloroethane	**<0.790**	ug/m3	2.13	0.790	1.55	12/10/21 19:43	12/10/21 19:43	79-34-5	
Tetrachloroethene	**<0.855**	ug/m3	2.10	0.855	1.55	12/10/21 19:43	12/10/21 19:43	127-18-4	
Toluene	**2.40J**	ug/m3	2.92	0.509	1.55	12/10/21 19:43	12/10/21 19:43	108-88-3	J
1,2,4-Trichlorobenzene	**<1.70**	ug/m3	7.23	1.70	1.55	12/10/21 19:43	12/10/21 19:43	120-82-1	
1,1,1-Trichloroethane	**<0.620**	ug/m3	1.69	0.620	1.55	12/10/21 19:43	12/10/21 19:43	71-55-6	
1,1,2-Trichloroethane	**<0.653**	ug/m3	1.69	0.653	1.55	12/10/21 19:43	12/10/21 19:43	79-00-5	
Trichloroethene	**<0.563**	ug/m3	1.66	0.563	1.55	12/10/21 19:43	12/10/21 19:43	79-01-6	
1,2,4-Trimethylbenzene	**1.26J**	ug/m3	1.52	0.579	1.55	12/10/21 19:43	12/10/21 19:43	95-63-6	J
1,3,5-Trimethylbenzene	**0.697J**	ug/m3	1.52	0.594	1.55	12/10/21 19:43	12/10/21 19:43	108-67-8	J
Vinyl acetate	**<0.634**	ug/m3	1.09	0.634	1.55	12/10/21 19:43	12/10/21 19:43	108-05-4	
Vinyl chloride	**<0.376**	ug/m3	0.792	0.376	1.55	12/10/21 19:43	12/10/21 19:43	75-01-4	
m&p-Xylene	**2.52J**	ug/m3	2.69	0.906	1.55	12/10/21 19:43	12/10/21 19:43	179601-23-1	J
o-Xylene	**1.43**	ug/m3	1.34	0.555	1.55	12/10/21 19:43	12/10/21 19:43	95-47-6	
Xylene (Total)	**3.96J**	ug/m3	4.04	0.907	1.55	12/10/21 19:43	12/10/21 19:43	1330-20-7	J
Surrogates									
1,4-Dichlorobenzene-d4 (IS)	101	%	60.0-140		1.55	12/10/21 19:43	12/10/21 19:43	3855-82-1	

Sample: LEGASG05 **Lab ID: 10590787005** Collected: 12/08/21 14:53 Received: 12/09/21 09:30 Matrix: Air

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
VOA (MS) TO-15	Analytical Method: TO-15 Preparation Method: TO-15 Pace National - Mt. Juliet								
Acrylonitrile	**<0.728**	ug/m3	16.1	0.728	1.49	12/10/21 20:25	12/10/21 20:25	107-13-1	
Acetone	**82.2**	ug/m3	4.42	2.07	1.49	12/10/21 20:25	12/10/21 20:25	67-64-1	
Benzene	**2.66**	ug/m3	0.952	0.342	1.49	12/10/21 20:25	12/10/21 20:25	71-43-2	
Benzyl chloride	**<0.463**	ug/m3	1.55	0.463	1.49	12/10/21 20:25	12/10/21 20:25	100-44-7	
Bromodichloromethane	**<0.704**	ug/m3	2.00	0.704	1.49	12/10/21 20:25	12/10/21 20:25	75-27-4	
Bromoform	**<1.13**	ug/m3	9.25	1.13	1.49	12/10/21 20:25	12/10/21 20:25	75-25-2	
Bromomethane	**<0.567**	ug/m3	1.16	0.567	1.49	12/10/21 20:25	12/10/21 20:25	74-83-9	
1,3-Butadiene	**1.21J**	ug/m3	6.59	0.343	1.49	12/10/21 20:25	12/10/21 20:25	106-99-0	J
Carbon tetrachloride	**<0.687**	ug/m3	1.88	0.687	1.49	12/10/21 20:25	12/10/21 20:25	56-23-5	
Chlorobenzene	**<0.573**	ug/m3	1.38	0.573	1.49	12/10/21 20:25	12/10/21 20:25	108-90-7	
Chloroethane	**<0.390**	ug/m3	0.786	0.390	1.49	12/10/21 20:25	12/10/21 20:25	75-00-3	
Chloroform	**<0.521**	ug/m3	1.45	0.521	1.49	12/10/21 20:25	12/10/21 20:25	67-66-3	
Chloromethane	**0.492J**	ug/m3	0.616	0.316	1.49	12/10/21 20:25	12/10/21 20:25	74-87-3	J
Cyclohexane	**3.48**	ug/m3	1.03	0.386	1.49	12/10/21 20:25	12/10/21 20:25	110-82-7	

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ANALYTICAL RESULTS

Project: Legends Park Phase II
Pace Project No.: 10590787

Sample: LEGASG05 **Lab ID: 10590787005** Collected: 12/08/21 14:53 Received: 12/09/21 09:30 Matrix: Air

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
VOA (MS) TO-15	Analytical Method: TO-15 Preparation Method: TO-15 Pace National - Mt. Juliet								
1,2-Dibromoethane (EDB)	**<0.823**	ug/m3	2.29	0.823	1.49	12/10/21 20:25	12/10/21 20:25	106-93-4	
1,2-Dichlorobenzene	**<1.15**	ug/m3	1.79	1.15	1.49	12/10/21 20:25	12/10/21 20:25	95-50-1	
1,4-Dichlorobenzene	**<0.499**	ug/m3	1.79	0.499	1.49	12/10/21 20:25	12/10/21 20:25	106-46-7	
1,2-Dichloroethane	**<0.421**	ug/m3	1.21	0.421	1.49	12/10/21 20:25	12/10/21 20:25	107-06-2	
1,1-Dichloroethane	**<0.433**	ug/m3	1.19	0.433	1.49	12/10/21 20:25	12/10/21 20:25	75-34-3	
1,1-Dichloroethene	**<0.452**	ug/m3	1.18	0.452	1.49	12/10/21 20:25	12/10/21 20:25	75-35-4	
1,2-Dichloropropane	**<0.522**	ug/m3	1.38	0.522	1.49	12/10/21 20:25	12/10/21 20:25	78-87-5	
trans-1,2-Dichloroethene	**<0.396**	ug/m3	1.18	0.396	1.49	12/10/21 20:25	12/10/21 20:25	156-60-5	
cis-1,3-Dichloropropene	**<0.468**	ug/m3	1.35	0.468	1.49	12/10/21 20:25	12/10/21 20:25	10061-01-5	
trans-1,3-Dichloropropene	**<0.490**	ug/m3	1.35	0.490	1.49	12/10/21 20:25	12/10/21 20:25	10061-02-6	
1,4-Dioxane (p-Dioxane)	**<0.447**	ug/m3	1.07	0.447	1.49	12/10/21 20:25	12/10/21 20:25	123-91-1	
Ethylbenzene	**1.94**	ug/m3	1.29	0.538	1.49	12/10/21 20:25	12/10/21 20:25	100-41-4	
Dichlorodifluoromethane	**204**	ug/m3	1.47	1.01	1.49	12/10/21 20:25	12/10/21 20:25	75-71-8	
1,1,2-Trichlorotrifluoroethane	**<0.904**	ug/m3	2.28	0.904	1.49	12/10/21 20:25	12/10/21 20:25	76-13-1	
n-Heptane	**3.67**	ug/m3	1.22	0.634	1.49	12/10/21 20:25	12/10/21 20:25	142-82-5	
Hexachloro-1,3-butadiene	**<1.67**	ug/m3	10.0	1.67	1.49	12/10/21 20:25	12/10/21 20:25	87-68-3	
n-Hexane	**5.89**	ug/m3	3.31	1.08	1.49	12/10/21 20:25	12/10/21 20:25	110-54-3	
Methylene Chloride	**<0.507**	ug/m3	1.03	0.507	1.49	12/10/21 20:25	12/10/21 20:25	75-09-2	
2-Hexanone	**3.25J**	ug/m3	7.61	0.810	1.49	12/10/21 20:25	12/10/21 20:25	591-78-6	J
2-Butanone (MEK)	**7.61**	ug/m3	5.48	0.357	1.49	12/10/21 20:25	12/10/21 20:25	78-93-3	
Methyl-tert-butyl ether	**<0.347**	ug/m3	1.07	0.347	1.49	12/10/21 20:25	12/10/21 20:25	1634-04-4	
Naphthalene	**<2.73**	ug/m3	4.92	2.73	1.49	12/10/21 20:25	12/10/21 20:25	91-20-3	
2-Propanol	**283**	ug/m3	22.9	4.84	7.45	12/12/21 18:50	12/12/21 18:50	67-63-0	
Propylene	**<0.239**	ug/m3	3.20	0.239	1.49	12/10/21 20:25	12/10/21 20:25	115-07-1	
Styrene	**<0.498**	ug/m3	1.27	0.498	1.49	12/10/21 20:25	12/10/21 20:25	100-42-5	
1,1,2,2-Tetrachloroethane	**<0.763**	ug/m3	2.05	0.763	1.49	12/10/21 20:25	12/10/21 20:25	79-34-5	
Tetrachloroethene	**<0.822**	ug/m3	2.02	0.822	1.49	12/10/21 20:25	12/10/21 20:25	127-18-4	
Toluene	**6.71**	ug/m3	2.81	0.490	1.49	12/10/21 20:25	12/10/21 20:25	108-88-3	
1,2,4-Trichlorobenzene	**<1.64**	ug/m3	6.95	1.64	1.49	12/10/21 20:25	12/10/21 20:25	120-82-1	
1,1,1-Trichloroethane	**<0.598**	ug/m3	1.62	0.598	1.49	12/10/21 20:25	12/10/21 20:25	71-55-6	
1,1,2-Trichloroethane	**<0.626**	ug/m3	1.62	0.626	1.49	12/10/21 20:25	12/10/21 20:25	79-00-5	
Trichloroethene	**<0.541**	ug/m3	1.60	0.541	1.49	12/10/21 20:25	12/10/21 20:25	79-01-6	
1,2,4-Trimethylbenzene	**2.36**	ug/m3	1.46	0.560	1.49	12/10/21 20:25	12/10/21 20:25	95-63-6	
1,3,5-Trimethylbenzene	**1.16J**	ug/m3	1.46	0.569	1.49	12/10/21 20:25	12/10/21 20:25	108-67-8	J
Vinyl acetate	**<0.609**	ug/m3	1.05	0.609	1.49	12/10/21 20:25	12/10/21 20:25	108-05-4	
Vinyl chloride	**<0.360**	ug/m3	0.762	0.360	1.49	12/10/21 20:25	12/10/21 20:25	75-01-4	
m&p-Xylene	**5.64**	ug/m3	2.58	0.871	1.49	12/10/21 20:25	12/10/21 20:25	179601-23-1	
o-Xylene	**3.37**	ug/m3	1.29	0.533	1.49	12/10/21 20:25	12/10/21 20:25	95-47-6	
Xylene (Total)	**9.03**	ug/m3	3.88	0.873	1.49	12/10/21 20:25	12/10/21 20:25	1330-20-7	
Surrogates									
1,4-Dichlorobenzene-d4 (IS)	101	%	60.0-140		1.49	12/10/21 20:25	12/10/21 20:25	3855-82-1	
1,4-Dichlorobenzene-d4 (IS)	91.0	%	60.0-140		7.45	12/12/21 18:50	12/12/21 18:50	3855-82-1	

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Pace Analytical Services, LLC
1700 Elm Street
Minneapolis, MN 55414
(612)607-1700

ANALYTICAL RESULTS

Project: Legends Park Phase II
Pace Project No.: 10590787

Sample: LEGASG01 CERT#3665 **Lab ID: 10590787006** Collected: Received: 12/09/21 09:30 Matrix: Air

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Individual Can Certification	Analytical Method: TO-15 Pace Analytical Services - Minneapolis								
Acetone	**<0.90**	ug/m3	3.0	0.90	0.5		12/04/21 00:49	67-64-1	
Acrylonitrile	**<0.22**	ug/m3	0.55	0.22	0.5		12/04/21 00:49	107-13-1	
Benzene	**<0.057**	ug/m3	0.16	0.057	0.5		12/04/21 00:49	71-43-2	
Benzyl chloride	**<0.44**	ug/m3	1.3	0.44	0.5		12/04/21 00:49	100-44-7	
Bromodichloromethane	**<0.12**	ug/m3	0.68	0.12	0.5		12/04/21 00:49	75-27-4	
Bromoform	**<0.81**	ug/m3	2.6	0.81	0.5		12/04/21 00:49	75-25-2	
Bromomethane	**<0.075**	ug/m3	0.39	0.075	0.5		12/04/21 00:49	74-83-9	
1,3-Butadiene	**<0.060**	ug/m3	0.22	0.060	0.5		12/04/21 00:49	106-99-0	
2-Butanone (MEK)	**<0.23**	ug/m3	1.5	0.23	0.5		12/04/21 00:49	78-93-3	
Carbon tetrachloride	**<0.14**	ug/m3	0.64	0.14	0.5		12/04/21 00:49	56-23-5	
Chlorobenzene	**<0.078**	ug/m3	0.47	0.078	0.5		12/04/21 00:49	108-90-7	
Chloroethane	**<0.11**	ug/m3	0.67	0.11	0.5		12/04/21 00:49	75-00-3	
Chloroform	**<0.092**	ug/m3	0.25	0.092	0.5		12/04/21 00:49	67-66-3	
Chloromethane	**<0.043**	ug/m3	0.21	0.043	0.5		12/04/21 00:49	74-87-3	
Cyclohexane	**<0.11**	ug/m3	0.88	0.11	0.5		12/04/21 00:49	110-82-7	
1,2-Dibromoethane (EDB)	**<0.15**	ug/m3	0.39	0.15	0.5		12/04/21 00:49	106-93-4	
1,2-Dichlorobenzene	**<0.20**	ug/m3	1.5	0.20	0.5		12/04/21 00:49	95-50-1	
1,4-Dichlorobenzene	**<0.44**	ug/m3	1.5	0.44	0.5		12/04/21 00:49	106-46-7	
Dichlorodifluoromethane	**<0.094**	ug/m3	0.50	0.094	0.5		12/04/21 00:49	75-71-8	
1,1-Dichloroethane	**<0.082**	ug/m3	0.41	0.082	0.5		12/04/21 00:49	75-34-3	
1,2-Dichloroethane	**<0.097**	ug/m3	0.41	0.097	0.5		12/04/21 00:49	107-06-2	
1,1-Dichloroethene	**<0.069**	ug/m3	0.40	0.069	0.5		12/04/21 00:49	75-35-4	
trans-1,2-Dichloroethene	**<0.084**	ug/m3	0.40	0.084	0.5		12/04/21 00:49	156-60-5	
1,2-Dichloropropane	**<0.13**	ug/m3	0.47	0.13	0.5		12/04/21 00:49	78-87-5	
cis-1,3-Dichloropropene	**<0.13**	ug/m3	1.2	0.13	0.5		12/04/21 00:49	10061-01-5	
trans-1,3-Dichloropropene	**<0.27**	ug/m3	1.2	0.27	0.5		12/04/21 00:49	10061-02-6	
1,4-Dioxane (p-Dioxane)	**<0.38**	ug/m3	3.7	0.38	0.5		12/04/21 00:49	123-91-1	
Ethylbenzene	**<0.15**	ug/m3	0.44	0.15	0.5		12/04/21 00:49	100-41-4	
n-Heptane	**<0.090**	ug/m3	0.42	0.090	0.5		12/04/21 00:49	142-82-5	
Hexachloro-1,3-butadiene	**<0.62**	ug/m3	2.7	0.62	0.5		12/04/21 00:49	87-68-3	
n-Hexane	**<0.096**	ug/m3	0.36	0.096	0.5		12/04/21 00:49	110-54-3	
2-Hexanone	**<0.22**	ug/m3	2.1	0.22	0.5		12/04/21 00:49	591-78-6	
Methylene Chloride	**<0.30**	ug/m3	1.8	0.30	0.5		12/04/21 00:49	75-09-2	
Methyl-tert-butyl ether	**<0.063**	ug/m3	1.8	0.063	0.5		12/04/21 00:49	1634-04-4	
Naphthalene	**<1.1**	ug/m3	1.3	1.1	0.5		12/04/21 00:49	91-20-3	
2-Propanol	**<0.25**	ug/m3	1.2	0.25	0.5		12/04/21 00:49	67-63-0	
Propylene	**<0.065**	ug/m3	0.44	0.065	0.5		12/04/21 00:49	115-07-1	
Styrene	**<0.19**	ug/m3	1.1	0.19	0.5		12/04/21 00:49	100-42-5	
1,1,2,2-Tetrachloroethane	**<0.19**	ug/m3	0.70	0.19	0.5		12/04/21 00:49	79-34-5	
Tetrachloroethene	**<0.15**	ug/m3	0.34	0.15	0.5		12/04/21 00:49	127-18-4	
Toluene	**<0.12**	ug/m3	0.38	0.12	0.5		12/04/21 00:49	108-88-3	
1,2,4-Trichlorobenzene	**<2.4**	ug/m3	3.8	2.4	0.5		12/04/21 00:49	120-82-1	
1,1,1-Trichloroethane	**<0.093**	ug/m3	0.56	0.093	0.5		12/04/21 00:49	71-55-6	
1,1,2-Trichloroethane	**<0.098**	ug/m3	0.55	0.098	0.5		12/04/21 00:49	79-00-5	
Trichloroethene	**<0.098**	ug/m3	0.55	0.098	0.5		12/04/21 00:49	79-01-6	

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1700 Elm Street
Minneapolis, MN 55414
(612)607-1700

ANALYTICAL RESULTS

Project: Legends Park Phase II
Pace Project No.: 10590787

Sample: LEGASG01 CERT#3665 **Lab ID: 10590787006** Collected: Received: 12/09/21 09:30 Matrix: Air

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Individual Can Certification	Analytical Method: TO-15								
	Pace Analytical Services - Minneapolis								
1,1,2-Trichlorotrifluoroethane	**<0.14**	ug/m3	0.78	0.14	0.5		12/04/21 00:49	76-13-1	
1,2,4-Trimethylbenzene	**<0.18**	ug/m3	0.50	0.18	0.5		12/04/21 00:49	95-63-6	
1,3,5-Trimethylbenzene	**<0.14**	ug/m3	0.50	0.14	0.5		12/04/21 00:49	108-67-8	
Vinyl acetate	**<0.10**	ug/m3	0.36	0.10	0.5		12/04/21 00:49	108-05-4	
Vinyl chloride	**<0.043**	ug/m3	0.26	0.043	0.5		12/04/21 00:49	75-01-4	
Xylene (Total)	**<0.32**	ug/m3	1.3	0.32	0.5		12/04/21 00:49	1330-20-7	
m&p-Xylene	**<0.32**	ug/m3	0.88	0.32	0.5		12/04/21 00:49	179601-23-1	
o-Xylene	**<0.14**	ug/m3	0.44	0.14	0.5		12/04/21 00:49	95-47-6	

Sample: LEGASG02 CERT#3874 **Lab ID: 10590787007** Collected: Received: 12/09/21 09:30 Matrix: Air

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Individual Can Certification	Analytical Method: TO-15								
	Pace Analytical Services - Minneapolis								
Acetone	**<0.90**	ug/m3	3.0	0.90	0.5		12/04/21 03:23	67-64-1	
Acrylonitrile	**<0.22**	ug/m3	0.55	0.22	0.5		12/04/21 03:23	107-13-1	
Benzene	**<0.057**	ug/m3	0.16	0.057	0.5		12/04/21 03:23	71-43-2	
Benzyl chloride	**<0.44**	ug/m3	1.3	0.44	0.5		12/04/21 03:23	100-44-7	
Bromodichloromethane	**<0.12**	ug/m3	0.68	0.12	0.5		12/04/21 03:23	75-27-4	
Bromoform	**<0.81**	ug/m3	2.6	0.81	0.5		12/04/21 03:23	75-25-2	
Bromomethane	**<0.075**	ug/m3	0.39	0.075	0.5		12/04/21 03:23	74-83-9	
1,3-Butadiene	**<0.060**	ug/m3	0.22	0.060	0.5		12/04/21 03:23	106-99-0	
2-Butanone (MEK)	**<0.23**	ug/m3	1.5	0.23	0.5		12/04/21 03:23	78-93-3	
Carbon tetrachloride	**<0.14**	ug/m3	0.64	0.14	0.5		12/04/21 03:23	56-23-5	
Chlorobenzene	**<0.078**	ug/m3	0.47	0.078	0.5		12/04/21 03:23	108-90-7	
Chloroethane	**<0.11**	ug/m3	0.27	0.11	0.5		12/04/21 03:23	75-00-3	
Chloroform	**<0.092**	ug/m3	0.25	0.092	0.5		12/04/21 03:23	67-66-3	
Chloromethane	**<0.043**	ug/m3	0.21	0.043	0.5		12/04/21 03:23	74-87-3	
Cyclohexane	**<0.11**	ug/m3	0.88	0.11	0.5		12/04/21 03:23	110-82-7	
1,2-Dibromoethane (EDB)	**<0.15**	ug/m3	0.39	0.15	0.5		12/04/21 03:23	106-93-4	
1,2-Dichlorobenzene	**<0.20**	ug/m3	1.5	0.20	0.5		12/04/21 03:23	95-50-1	
1,4-Dichlorobenzene	**<0.44**	ug/m3	1.5	0.44	0.5		12/04/21 03:23	106-46-7	
Dichlorodifluoromethane	**<0.094**	ug/m3	0.50	0.094	0.5		12/04/21 03:23	75-71-8	
1,1-Dichloroethane	**<0.082**	ug/m3	0.41	0.082	0.5		12/04/21 03:23	75-34-3	
1,2-Dichloroethane	**<0.097**	ug/m3	0.41	0.097	0.5		12/04/21 03:23	107-06-2	
1,1-Dichloroethene	**<0.069**	ug/m3	0.40	0.069	0.5		12/04/21 03:23	75-35-4	
trans-1,2-Dichloroethene	**<0.084**	ug/m3	0.40	0.084	0.5		12/04/21 03:23	156-60-5	
1,2-Dichloropropane	**<0.13**	ug/m3	0.47	0.13	0.5		12/04/21 03:23	78-87-5	
cis-1,3-Dichloropropene	**<0.13**	ug/m3	1.2	0.13	0.5		12/04/21 03:23	10061-01-5	
trans-1,3-Dichloropropene	**<0.27**	ug/m3	1.2	0.27	0.5		12/04/21 03:23	10061-02-6	
1,4-Dioxane (p-Dioxane)	**<0.38**	ug/m3	3.7	0.38	0.5		12/04/21 03:23	123-91-1	
Ethylbenzene	**<0.15**	ug/m3	0.44	0.15	0.5		12/04/21 03:23	100-41-4	

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Minneapolis, MN 55414
(612)607-1700

ANALYTICAL RESULTS

Project: Legends Park Phase II
Pace Project No.: 10590787

Sample: LEGASG02 CERT#3874 **Lab ID: 10590787007** Collected: Received: 12/09/21 09:30 Matrix: Air

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Individual Can Certification	Analytical Method: TO-15								
	Pace Analytical Services - Minneapolis								
n-Heptane	**<0.090**	ug/m3	0.42	0.090	0.5		12/04/21 03:23	142-82-5	
Hexachloro-1,3-butadiene	**<0.62**	ug/m3	2.7	0.62	0.5		12/04/21 03:23	87-68-3	
n-Hexane	**<0.096**	ug/m3	0.36	0.096	0.5		12/04/21 03:23	110-54-3	
2-Hexanone	**<0.22**	ug/m3	2.1	0.22	0.5		12/04/21 03:23	591-78-6	
Methylene Chloride	**<0.30**	ug/m3	1.8	0.30	0.5		12/04/21 03:23	75-09-2	
Methyl-tert-butyl ether	**<0.063**	ug/m3	1.8	0.063	0.5		12/04/21 03:23	1634-04-4	
Naphthalene	**<1.1**	ug/m3	1.3	1.1	0.5		12/04/21 03:23	91-20-3	
2-Propanol	**<0.25**	ug/m3	1.2	0.25	0.5		12/04/21 03:23	67-63-0	
Propylene	**<0.065**	ug/m3	0.44	0.065	0.5		12/04/21 03:23	115-07-1	
Styrene	**<0.19**	ug/m3	0.43	0.19	0.5		12/04/21 03:23	100-42-5	
1,1,2,2-Tetrachloroethane	**<0.19**	ug/m3	0.70	0.19	0.5		12/04/21 03:23	79-34-5	
Tetrachloroethene	**<0.15**	ug/m3	0.34	0.15	0.5		12/04/21 03:23	127-18-4	
Toluene	**<0.12**	ug/m3	0.38	0.12	0.5		12/04/21 03:23	108-88-3	
1,2,4-Trichlorobenzene	**<2.4**	ug/m3	3.8	2.4	0.5		12/04/21 03:23	120-82-1	
1,1,1-Trichloroethane	**<0.093**	ug/m3	0.56	0.093	0.5		12/04/21 03:23	71-55-6	
1,1,2-Trichloroethane	**<0.098**	ug/m3	0.28	0.098	0.5		12/04/21 03:23	79-00-5	
Trichloroethene	**<0.098**	ug/m3	0.27	0.098	0.5		12/04/21 03:23	79-01-6	
1,1,2-Trichlorotrifluoroethane	**<0.14**	ug/m3	0.78	0.14	0.5		12/04/21 03:23	76-13-1	
1,2,4-Trimethylbenzene	**<0.18**	ug/m3	0.50	0.18	0.5		12/04/21 03:23	95-63-6	
1,3,5-Trimethylbenzene	**<0.14**	ug/m3	0.50	0.14	0.5		12/04/21 03:23	108-67-8	
Vinyl acetate	**<0.10**	ug/m3	0.89	0.10	0.5		12/04/21 03:23	108-05-4	
Vinyl chloride	**<0.043**	ug/m3	0.13	0.043	0.5		12/04/21 03:23	75-01-4	
Xylene (Total)	**<0.32**	ug/m3	1.3	0.32	0.5		12/04/21 03:23	1330-20-7	
m&p-Xylene	**<0.32**	ug/m3	0.88	0.32	0.5		12/04/21 03:23	179601-23-1	
o-Xylene	**<0.14**	ug/m3	0.44	0.14	0.5		12/04/21 03:23	95-47-6	

Sample: LEGASG03 CERT#1693 **Lab ID: 10590787008** Collected: Received: 12/09/21 09:30 Matrix: Air

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Individual Can Certification	Analytical Method: TO-15								
	Pace Analytical Services - Minneapolis								
Acetone	**<0.90**	ug/m3	3.0	0.90	0.5		12/03/21 16:58	67-64-1	
Acrylonitrile	**<0.22**	ug/m3	0.55	0.22	0.5		12/03/21 16:58	107-13-1	
Benzene	**<0.057**	ug/m3	0.16	0.057	0.5		12/03/21 16:58	71-43-2	
Benzyl chloride	**<0.44**	ug/m3	1.3	0.44	0.5		12/03/21 16:58	100-44-7	
Bromodichloromethane	**<0.12**	ug/m3	0.68	0.12	0.5		12/03/21 16:58	75-27-4	
Bromoform	**<0.81**	ug/m3	2.6	0.81	0.5		12/03/21 16:58	75-25-2	
Bromomethane	**<0.075**	ug/m3	0.39	0.075	0.5		12/03/21 16:58	74-83-9	
1,3-Butadiene	**<0.060**	ug/m3	0.22	0.060	0.5		12/03/21 16:58	106-99-0	
2-Butanone (MEK)	**<0.23**	ug/m3	1.5	0.23	0.5		12/03/21 16:58	78-93-3	
Carbon tetrachloride	**<0.14**	ug/m3	0.64	0.14	0.5		12/03/21 16:58	56-23-5	
Chlorobenzene	**<0.078**	ug/m3	0.47	0.078	0.5		12/03/21 16:58	108-90-7	

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ANALYTICAL RESULTS

Project: Legends Park Phase II
Pace Project No.: 10590787

Sample: LEGASG03 CERT#1693 **Lab ID: 10590787008** Collected: Received: 12/09/21 09:30 Matrix: Air

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Individual Can Certification	Analytical Method: TO-15 Pace Analytical Services - Minneapolis								
Chloroethane	**<0.11**	ug/m3	0.27	0.11	0.5		12/03/21 16:58	75-00-3	
Chloroform	**<0.092**	ug/m3	0.25	0.092	0.5		12/03/21 16:58	67-66-3	
Chloromethane	**<0.043**	ug/m3	0.21	0.043	0.5		12/03/21 16:58	74-87-3	
Cyclohexane	**<0.11**	ug/m3	0.88	0.11	0.5		12/03/21 16:58	110-82-7	
1,2-Dibromoethane (EDB)	**<0.15**	ug/m3	0.39	0.15	0.5		12/03/21 16:58	106-93-4	
1,2-Dichlorobenzene	**<0.20**	ug/m3	1.5	0.20	0.5		12/03/21 16:58	95-50-1	
1,4-Dichlorobenzene	**<0.44**	ug/m3	1.5	0.44	0.5		12/03/21 16:58	106-46-7	
Dichlorodifluoromethane	**<0.094**	ug/m3	0.50	0.094	0.5		12/03/21 16:58	75-71-8	
1,1-Dichloroethane	**<0.082**	ug/m3	0.41	0.082	0.5		12/03/21 16:58	75-34-3	
1,2-Dichloroethane	**<0.097**	ug/m3	0.41	0.097	0.5		12/03/21 16:58	107-06-2	
1,1-Dichloroethene	**<0.069**	ug/m3	0.40	0.069	0.5		12/03/21 16:58	75-35-4	
trans-1,2-Dichloroethene	**<0.084**	ug/m3	0.40	0.084	0.5		12/03/21 16:58	156-60-5	
1,2-Dichloropropane	**<0.13**	ug/m3	0.47	0.13	0.5		12/03/21 16:58	78-87-5	
cis-1,3-Dichloropropene	**<0.13**	ug/m3	1.2	0.13	0.5		12/03/21 16:58	10061-01-5	
trans-1,3-Dichloropropene	**<0.27**	ug/m3	1.2	0.27	0.5		12/03/21 16:58	10061-02-6	
1,4-Dioxane (p-Dioxane)	**<0.38**	ug/m3	3.7	0.38	0.5		12/03/21 16:58	123-91-1	
Ethylbenzene	**<0.15**	ug/m3	0.44	0.15	0.5		12/03/21 16:58	100-41-4	
n-Heptane	**<0.090**	ug/m3	0.42	0.090	0.5		12/03/21 16:58	142-82-5	
Hexachloro-1,3-butadiene	**<0.62**	ug/m3	2.7	0.62	0.5		12/03/21 16:58	87-68-3	
n-Hexane	**<0.096**	ug/m3	0.36	0.096	0.5		12/03/21 16:58	110-54-3	
2-Hexanone	**<0.22**	ug/m3	2.1	0.22	0.5		12/03/21 16:58	591-78-6	
Methylene Chloride	**<0.30**	ug/m3	1.8	0.30	0.5		12/03/21 16:58	75-09-2	
Methyl-tert-butyl ether	**<0.063**	ug/m3	1.8	0.063	0.5		12/03/21 16:58	1634-04-4	
Naphthalene	**<1.1**	ug/m3	1.3	1.1	0.5		12/03/21 16:58	91-20-3	
2-Propanol	**<0.25**	ug/m3	1.2	0.25	0.5		12/03/21 16:58	67-63-0	
Propylene	**<0.065**	ug/m3	0.44	0.065	0.5		12/03/21 16:58	115-07-1	
Styrene	**<0.19**	ug/m3	0.43	0.19	0.5		12/03/21 16:58	100-42-5	
1,1,2,2-Tetrachloroethane	**<0.19**	ug/m3	0.70	0.19	0.5		12/03/21 16:58	79-34-5	
Tetrachloroethene	**<0.15**	ug/m3	0.34	0.15	0.5		12/03/21 16:58	127-18-4	
Toluene	**<0.12**	ug/m3	0.38	0.12	0.5		12/03/21 16:58	108-88-3	
1,2,4-Trichlorobenzene	**<2.4**	ug/m3	3.8	2.4	0.5		12/03/21 16:58	120-82-1	
1,1,1-Trichloroethane	**<0.093**	ug/m3	0.56	0.093	0.5		12/03/21 16:58	71-55-6	
1,1,2-Trichloroethane	**<0.098**	ug/m3	0.28	0.098	0.5		12/03/21 16:58	79-00-5	
Trichloroethene	**<0.098**	ug/m3	0.27	0.098	0.5		12/03/21 16:58	79-01-6	
1,1,2-Trichlorotrifluoroethane	**<0.14**	ug/m3	0.78	0.14	0.5		12/03/21 16:58	76-13-1	
1,2,4-Trimethylbenzene	**<0.18**	ug/m3	0.50	0.18	0.5		12/03/21 16:58	95-63-6	
1,3,5-Trimethylbenzene	**<0.14**	ug/m3	0.50	0.14	0.5		12/03/21 16:58	108-67-8	
Vinyl acetate	**<0.10**	ug/m3	0.89	0.10	0.5		12/03/21 16:58	108-05-4	
Vinyl chloride	**<0.043**	ug/m3	0.13	0.043	0.5		12/03/21 16:58	75-01-4	
Xylene (Total)	**<0.32**	ug/m3	1.3	0.32	0.5		12/03/21 16:58	1330-20-7	
m&p-Xylene	**<0.32**	ug/m3	0.88	0.32	0.5		12/03/21 16:58	179601-23-1	
o-Xylene	**<0.14**	ug/m3	0.44	0.14	0.5		12/03/21 16:58	95-47-6	

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Pace Analytical Services, LLC
1700 Elm Street
Minneapolis, MN 55414
(612)607-1700

ANALYTICAL RESULTS

Project: Legends Park Phase II
Pace Project No.: 10590787

Sample: LEGASG04 CERT#1561 **Lab ID: 10590787009** Collected: Received: 12/09/21 09:30 Matrix: Air

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Individual Can Certification	Analytical Method: TO-15 Pace Analytical Services - Minneapolis								
Acetone	**<0.90**	ug/m3	3.0	0.90	0.5		12/04/21 03:01	67-64-1	
Acrylonitrile	**<0.22**	ug/m3	0.55	0.22	0.5		12/04/21 03:01	107-13-1	
Benzene	**<0.057**	ug/m3	0.16	0.057	0.5		12/04/21 03:01	71-43-2	
Benzyl chloride	**<0.44**	ug/m3	1.3	0.44	0.5		12/04/21 03:01	100-44-7	
Bromodichloromethane	**<0.12**	ug/m3	0.68	0.12	0.5		12/04/21 03:01	75-27-4	
Bromoform	**<0.81**	ug/m3	2.6	0.81	0.5		12/04/21 03:01	75-25-2	
Bromomethane	**<0.075**	ug/m3	0.39	0.075	0.5		12/04/21 03:01	74-83-9	
1,3-Butadiene	**<0.060**	ug/m3	0.22	0.060	0.5		12/04/21 03:01	106-99-0	
2-Butanone (MEK)	**<0.23**	ug/m3	1.5	0.23	0.5		12/04/21 03:01	78-93-3	
Carbon tetrachloride	**<0.14**	ug/m3	0.64	0.14	0.5		12/04/21 03:01	56-23-5	
Chlorobenzene	**<0.078**	ug/m3	0.47	0.078	0.5		12/04/21 03:01	108-90-7	
Chloroethane	**<0.11**	ug/m3	0.67	0.11	0.5		12/04/21 03:01	75-00-3	
Chloroform	**<0.092**	ug/m3	0.25	0.092	0.5		12/04/21 03:01	67-66-3	
Chloromethane	**<0.043**	ug/m3	0.21	0.043	0.5		12/04/21 03:01	74-87-3	
Cyclohexane	**<0.11**	ug/m3	0.88	0.11	0.5		12/04/21 03:01	110-82-7	
1,2-Dibromoethane (EDB)	**<0.15**	ug/m3	0.39	0.15	0.5		12/04/21 03:01	106-93-4	
1,2-Dichlorobenzene	**<0.20**	ug/m3	1.5	0.20	0.5		12/04/21 03:01	95-50-1	
1,4-Dichlorobenzene	**<0.44**	ug/m3	1.5	0.44	0.5		12/04/21 03:01	106-46-7	
Dichlorodifluoromethane	**<0.094**	ug/m3	0.50	0.094	0.5		12/04/21 03:01	75-71-8	
1,1-Dichloroethane	**<0.082**	ug/m3	0.41	0.082	0.5		12/04/21 03:01	75-34-3	
1,2-Dichloroethane	**<0.097**	ug/m3	0.41	0.097	0.5		12/04/21 03:01	107-06-2	
1,1-Dichloroethene	**<0.069**	ug/m3	0.40	0.069	0.5		12/04/21 03:01	75-35-4	
trans-1,2-Dichloroethene	**<0.084**	ug/m3	0.40	0.084	0.5		12/04/21 03:01	156-60-5	
1,2-Dichloropropane	**<0.13**	ug/m3	0.47	0.13	0.5		12/04/21 03:01	78-87-5	
cis-1,3-Dichloropropene	**<0.13**	ug/m3	1.2	0.13	0.5		12/04/21 03:01	10061-01-5	
trans-1,3-Dichloropropene	**<0.27**	ug/m3	1.2	0.27	0.5		12/04/21 03:01	10061-02-6	
1,4-Dioxane (p-Dioxane)	**<0.38**	ug/m3	3.7	0.38	0.5		12/04/21 03:01	123-91-1	
Ethylbenzene	**<0.15**	ug/m3	0.44	0.15	0.5		12/04/21 03:01	100-41-4	
n-Heptane	**<0.090**	ug/m3	0.42	0.090	0.5		12/04/21 03:01	142-82-5	
Hexachloro-1,3-butadiene	**<0.62**	ug/m3	2.7	0.62	0.5		12/04/21 03:01	87-68-3	
n-Hexane	**<0.096**	ug/m3	0.36	0.096	0.5		12/04/21 03:01	110-54-3	
2-Hexanone	**<0.22**	ug/m3	2.1	0.22	0.5		12/04/21 03:01	591-78-6	
Methylene Chloride	**<0.30**	ug/m3	1.8	0.30	0.5		12/04/21 03:01	75-09-2	
Methyl-tert-butyl ether	**<0.063**	ug/m3	1.8	0.063	0.5		12/04/21 03:01	1634-04-4	
Naphthalene	**<1.1**	ug/m3	1.3	1.1	0.5		12/04/21 03:01	91-20-3	
2-Propanol	**<0.25**	ug/m3	1.2	0.25	0.5		12/04/21 03:01	67-63-0	
Propylene	**<0.065**	ug/m3	0.44	0.065	0.5		12/04/21 03:01	115-07-1	
Styrene	**<0.19**	ug/m3	1.1	0.19	0.5		12/04/21 03:01	100-42-5	
1,1,2,2-Tetrachloroethane	**<0.19**	ug/m3	0.70	0.19	0.5		12/04/21 03:01	79-34-5	
Tetrachloroethene	**<0.15**	ug/m3	0.34	0.15	0.5		12/04/21 03:01	127-18-4	
Toluene	**<0.12**	ug/m3	0.38	0.12	0.5		12/04/21 03:01	108-88-3	
1,2,4-Trichlorobenzene	**<2.4**	ug/m3	3.8	2.4	0.5		12/04/21 03:01	120-82-1	
1,1,1-Trichloroethane	**<0.093**	ug/m3	0.56	0.093	0.5		12/04/21 03:01	71-55-6	
1,1,2-Trichloroethane	**<0.098**	ug/m3	0.55	0.098	0.5		12/04/21 03:01	79-00-5	
Trichloroethene	**<0.098**	ug/m3	0.55	0.098	0.5		12/04/21 03:01	79-01-6	

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1700 Elm Street
Minneapolis, MN 55414
(612)607-1700

ANALYTICAL RESULTS

Project: Legends Park Phase II
Pace Project No.: 10590787

Sample: LEGASG04 CERT#1561 **Lab ID: 10590787009** Collected: Received: 12/09/21 09:30 Matrix: Air

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Individual Can Certification	Analytical Method: TO-15								
	Pace Analytical Services - Minneapolis								
1,1,2-Trichlorotrifluoroethane	**<0.14**	ug/m3	0.78	0.14	0.5		12/04/21 03:01	76-13-1	
1,2,4-Trimethylbenzene	**<0.18**	ug/m3	0.50	0.18	0.5		12/04/21 03:01	95-63-6	
1,3,5-Trimethylbenzene	**<0.14**	ug/m3	0.50	0.14	0.5		12/04/21 03:01	108-67-8	
Vinyl acetate	**<0.10**	ug/m3	0.36	0.10	0.5		12/04/21 03:01	108-05-4	
Vinyl chloride	**<0.043**	ug/m3	0.26	0.043	0.5		12/04/21 03:01	75-01-4	
Xylene (Total)	**<0.32**	ug/m3	1.3	0.32	0.5		12/04/21 03:01	1330-20-7	
m&p-Xylene	**<0.32**	ug/m3	0.88	0.32	0.5		12/04/21 03:01	179601-23-1	
o-Xylene	**<0.14**	ug/m3	0.44	0.14	0.5		12/04/21 03:01	95-47-6	

Sample: LEGASG05 CERT#3681 **Lab ID: 10590787010** Collected: Received: 12/09/21 09:30 Matrix: Air

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Individual Can Certification	Analytical Method: TO-15								
	Pace Analytical Services - Minneapolis								
Acetone	**<0.90**	ug/m3	3.0	0.90	0.5		12/04/21 05:14	67-64-1	
Acrylonitrile	**<0.22**	ug/m3	0.55	0.22	0.5		12/04/21 05:14	107-13-1	
Benzene	**<0.057**	ug/m3	0.16	0.057	0.5		12/04/21 05:14	71-43-2	
Benzyl chloride	**<0.44**	ug/m3	1.3	0.44	0.5		12/04/21 05:14	100-44-7	
Bromodichloromethane	**<0.12**	ug/m3	0.68	0.12	0.5		12/04/21 05:14	75-27-4	
Bromoform	**<0.81**	ug/m3	2.6	0.81	0.5		12/04/21 05:14	75-25-2	
Bromomethane	**<0.075**	ug/m3	0.39	0.075	0.5		12/04/21 05:14	74-83-9	
1,3-Butadiene	**<0.060**	ug/m3	0.22	0.060	0.5		12/04/21 05:14	106-99-0	
2-Butanone (MEK)	**<0.23**	ug/m3	1.5	0.23	0.5		12/04/21 05:14	78-93-3	
Carbon tetrachloride	**<0.14**	ug/m3	0.64	0.14	0.5		12/04/21 05:14	56-23-5	
Chlorobenzene	**<0.078**	ug/m3	0.47	0.078	0.5		12/04/21 05:14	108-90-7	
Chloroethane	**<0.11**	ug/m3	0.67	0.11	0.5		12/04/21 05:14	75-00-3	
Chloroform	**<0.092**	ug/m3	0.25	0.092	0.5		12/04/21 05:14	67-66-3	
Chloromethane	**<0.043**	ug/m3	0.21	0.043	0.5		12/04/21 05:14	74-87-3	
Cyclohexane	**<0.11**	ug/m3	0.88	0.11	0.5		12/04/21 05:14	110-82-7	
1,2-Dibromoethane (EDB)	**<0.15**	ug/m3	0.39	0.15	0.5		12/04/21 05:14	106-93-4	
1,2-Dichlorobenzene	**<0.20**	ug/m3	1.5	0.20	0.5		12/04/21 05:14	95-50-1	
1,4-Dichlorobenzene	**<0.44**	ug/m3	1.5	0.44	0.5		12/04/21 05:14	106-46-7	
Dichlorodifluoromethane	**<0.094**	ug/m3	0.50	0.094	0.5		12/04/21 05:14	75-71-8	
1,1-Dichloroethane	**<0.082**	ug/m3	0.41	0.082	0.5		12/04/21 05:14	75-34-3	
1,2-Dichloroethane	**<0.097**	ug/m3	0.41	0.097	0.5		12/04/21 05:14	107-06-2	
1,1-Dichloroethene	**<0.069**	ug/m3	0.40	0.069	0.5		12/04/21 05:14	75-35-4	
trans-1,2-Dichloroethene	**<0.084**	ug/m3	0.40	0.084	0.5		12/04/21 05:14	156-60-5	
1,2-Dichloropropane	**<0.13**	ug/m3	0.47	0.13	0.5		12/04/21 05:14	78-87-5	
cis-1,3-Dichloropropene	**<0.13**	ug/m3	1.2	0.13	0.5		12/04/21 05:14	10061-01-5	
trans-1,3-Dichloropropene	**<0.27**	ug/m3	1.2	0.27	0.5		12/04/21 05:14	10061-02-6	
1,4-Dioxane (p-Dioxane)	**<0.38**	ug/m3	3.7	0.38	0.5		12/04/21 05:14	123-91-1	
Ethylbenzene	**<0.15**	ug/m3	0.44	0.15	0.5		12/04/21 05:14	100-41-4	

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(612)607-1700

ANALYTICAL RESULTS

Project: Legends Park Phase II
Pace Project No.: 10590787

Sample: LEGASG05 CERT#3681 **Lab ID: 10590787010** Collected: Received: 12/09/21 09:30 Matrix: Air

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Individual Can Certification	Analytical Method: TO-15 Pace Analytical Services - Minneapolis								
n-Heptane	**<0.090**	ug/m3	0.42	0.090	0.5		12/04/21 05:14	142-82-5	
Hexachloro-1,3-butadiene	**<0.62**	ug/m3	2.7	0.62	0.5		12/04/21 05:14	87-68-3	
n-Hexane	**<0.096**	ug/m3	0.36	0.096	0.5		12/04/21 05:14	110-54-3	
2-Hexanone	**<0.22**	ug/m3	2.1	0.22	0.5		12/04/21 05:14	591-78-6	
Methylene Chloride	**<0.30**	ug/m3	1.8	0.30	0.5		12/04/21 05:14	75-09-2	
Methyl-tert-butyl ether	**<0.063**	ug/m3	1.8	0.063	0.5		12/04/21 05:14	1634-04-4	
Naphthalene	**<1.1**	ug/m3	1.3	1.1	0.5		12/04/21 05:14	91-20-3	
2-Propanol	**<0.25**	ug/m3	1.2	0.25	0.5		12/04/21 05:14	67-63-0	
Propylene	**<0.065**	ug/m3	0.44	0.065	0.5		12/04/21 05:14	115-07-1	
Styrene	**<0.19**	ug/m3	1.1	0.19	0.5		12/04/21 05:14	100-42-5	
1,1,2,2-Tetrachloroethane	**<0.19**	ug/m3	0.70	0.19	0.5		12/04/21 05:14	79-34-5	
Tetrachloroethene	**<0.15**	ug/m3	0.34	0.15	0.5		12/04/21 05:14	127-18-4	
Toluene	**<0.12**	ug/m3	0.38	0.12	0.5		12/04/21 05:14	108-88-3	
1,2,4-Trichlorobenzene	**<2.4**	ug/m3	3.8	2.4	0.5		12/04/21 05:14	120-82-1	
1,1,1-Trichloroethane	**<0.093**	ug/m3	0.56	0.093	0.5		12/04/21 05:14	71-55-6	
1,1,2-Trichloroethane	**<0.098**	ug/m3	0.55	0.098	0.5		12/04/21 05:14	79-00-5	
Trichloroethene	**<0.098**	ug/m3	0.55	0.098	0.5		12/04/21 05:14	79-01-6	
1,1,2-Trichlorotrifluoroethane	**<0.14**	ug/m3	0.78	0.14	0.5		12/04/21 05:14	76-13-1	
1,2,4-Trimethylbenzene	**<0.18**	ug/m3	0.50	0.18	0.5		12/04/21 05:14	95-63-6	
1,3,5-Trimethylbenzene	**<0.14**	ug/m3	0.50	0.14	0.5		12/04/21 05:14	108-67-8	
Vinyl acetate	**<0.10**	ug/m3	0.36	0.10	0.5		12/04/21 05:14	108-05-4	
Vinyl chloride	**<0.043**	ug/m3	0.26	0.043	0.5		12/04/21 05:14	75-01-4	
Xylene (Total)	**<0.32**	ug/m3	1.3	0.32	0.5		12/04/21 05:14	1330-20-7	
m&p-Xylene	**<0.32**	ug/m3	0.88	0.32	0.5		12/04/21 05:14	179601-23-1	
o-Xylene	**<0.14**	ug/m3	0.44	0.14	0.5		12/04/21 05:14	95-47-6	

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(612)607-1700

QUALITY CONTROL DATA

Project: Legends Park Phase II
Pace Project No.: 10590787

QC Batch: 1787405
QC Batch Method: TO-15
Analysis Method: TO-15
Analysis Description: VOA (MS) TO-15
Laboratory: Pace National - Mt. Juliet
Associated Lab Samples: 10590787001, 10590787002, 10590787003, 10590787004, 10590787005

METHOD BLANK: R3739465-3 Matrix: Air
Associated Lab Samples: 10590787001, 10590787002, 10590787003, 10590787004, 10590787005

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Acetone	ug/m3	<1.39	2.97	1.39	12/10/21 10:16	
Benzene	ug/m3	<0.228	0.639	0.228	12/10/21 10:16	
Benzyl chloride	ug/m3	0.320J	1.04	0.311	12/10/21 10:16	J
Bromodichloromethane	ug/m3	<0.471	1.34	0.471	12/10/21 10:16	
Bromoform	ug/m3	<0.757	6.21	0.757	12/10/21 10:16	
Bromomethane	ug/m3	<0.381	0.776	0.381	12/10/21 10:16	
1,3-Butadiene	ug/m3	<0.230	4.43	0.230	12/10/21 10:16	
Carbon tetrachloride	ug/m3	<0.461	1.26	0.461	12/10/21 10:16	
Chlorobenzene	ug/m3	<0.385	0.924	0.385	12/10/21 10:16	
Chloroethane	ug/m3	<0.263	0.528	0.263	12/10/21 10:16	
Chloroform	ug/m3	<0.349	0.973	0.349	12/10/21 10:16	
Chloromethane	ug/m3	<0.213	0.413	0.213	12/10/21 10:16	
Cyclohexane	ug/m3	<0.259	0.689	0.259	12/10/21 10:16	
1,2-Dibromoethane (EDB)	ug/m3	<0.554	1.54	0.554	12/10/21 10:16	
1,2-Dichlorobenzene	ug/m3	<0.770	1.20	0.770	12/10/21 10:16	
1,4-Dichlorobenzene	ug/m3	0.341J	1.20	0.335	12/10/21 10:16	J
1,2-Dichloroethane	ug/m3	<0.283	0.810	0.283	12/10/21 10:16	
1,1-Dichloroethane	ug/m3	<0.290	0.802	0.290	12/10/21 10:16	
1,1-Dichloroethene	ug/m3	<0.302	0.793	0.302	12/10/21 10:16	
trans-1,2-Dichloroethene	ug/m3	<0.267	0.793	0.267	12/10/21 10:16	
1,2-Dichloropropane	ug/m3	<0.351	0.924	0.351	12/10/21 10:16	
cis-1,3-Dichloropropene	ug/m3	<0.313	0.908	0.313	12/10/21 10:16	
trans-1,3-Dichloropropene	ug/m3	<0.331	0.908	0.331	12/10/21 10:16	
1,4-Dioxane (p-Dioxane)	ug/m3	<0.300	0.721	0.300	12/10/21 10:16	
Ethylbenzene	ug/m3	<0.362	0.867	0.362	12/10/21 10:16	
Dichlorodifluoromethane	ug/m3	<0.678	0.989	0.678	12/10/21 10:16	
1,1,2-Trichlorotrifluoroethane	ug/m3	<0.608	1.53	0.608	12/10/21 10:16	
n-Heptane	ug/m3	<0.425	0.818	0.425	12/10/21 10:16	
Hexachloro-1,3-butadiene	ug/m3	<1.12	6.73	1.12	12/10/21 10:16	
n-Hexane	ug/m3	<0.726	2.22	0.726	12/10/21 10:16	
Methylene Chloride	ug/m3	<0.340	0.694	0.340	12/10/21 10:16	
2-Hexanone	ug/m3	<0.544	5.11	0.544	12/10/21 10:16	
2-Butanone (MEK)	ug/m3	<0.240	3.69	0.240	12/10/21 10:16	
Methyl-tert-butyl ether	ug/m3	<0.233	0.721	0.233	12/10/21 10:16	
Naphthalene	ug/m3	<1.83	3.30	1.83	12/10/21 10:16	
2-Propanol	ug/m3	<0.649	3.07	0.649	12/10/21 10:16	
Propylene	ug/m3	0.274J	2.15	0.160	12/10/21 10:16	J
Styrene	ug/m3	<0.335	0.851	0.335	12/10/21 10:16	
1,1,2,2-Tetrachloroethane	ug/m3	<0.511	1.37	0.511	12/10/21 10:16	
Tetrachloroethene	ug/m3	<0.553	1.36	0.553	12/10/21 10:16	

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REPORT OF LABORATORY ANALYSIS

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Pace Analytical Services, LLC
1700 Elm Street
Minneapolis, MN 55414
(612)607-1700

QUALITY CONTROL DATA

Project: Legends Park Phase II
Pace Project No.: 10590787

METHOD BLANK: R3739465-3 Matrix: Air
Associated Lab Samples: 10590787001, 10590787002, 10590787003, 10590787004, 10590787005

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Toluene	ug/m3	<0.328	1.88	0.328	12/10/21 10:16	
1,2,4-Trichlorobenzene	ug/m3	<1.10	4.66	1.10	12/10/21 10:16	
1,1,1-Trichloroethane	ug/m3	<0.400	1.09	0.400	12/10/21 10:16	
1,1,2-Trichloroethane	ug/m3	<0.422	1.09	0.422	12/10/21 10:16	
Trichloroethene	ug/m3	<0.364	1.07	0.364	12/10/21 10:16	
1,2,4-Trimethylbenzene	ug/m3	<0.375	0.982	0.375	12/10/21 10:16	
1,3,5-Trimethylbenzene	ug/m3	<0.382	0.982	0.382	12/10/21 10:16	
Vinyl chloride	ug/m3	<0.243	0.511	0.243	12/10/21 10:16	
Vinyl acetate	ug/m3	<0.408	0.704	0.408	12/10/21 10:16	
m&p-Xylene	ug/m3	<0.585	1.73	0.585	12/10/21 10:16	
o-Xylene	ug/m3	<0.359	0.867	0.359	12/10/21 10:16	
Xylene (Total)	ug/m3	<0.586	2.61	0.586	12/10/21 10:16	
Acrylonitrile	ug/m3	<0.490	10.8	0.490	12/10/21 10:16	
1,4-Dichlorobenzene-d4 (IS)	%	99.9	60.0-140		12/10/21 10:16	

LABORATORY CONTROL SAMPLE & LCSD: R3739465-1 R3739465-2

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
Propylene	ug/m3	6.46	6.92	6.56	107	102	64.0-144	5.36	25	
Dichlorodifluoromethane	ug/m3	18.5	19.9	19.0	107	103	64.0-139	4.32	25	
Chloromethane	ug/m3	7.75	8.16	7.81	105	101	70.0-130	4.40	25	
Vinyl chloride	ug/m3	9.59	10.5	9.30	109	97.1	70.0-130	11.6	25	
1,3-Butadiene	ug/m3	8.30	8.94	7.55	108	90.9	70.0-130	16.9	25	
Bromomethane	ug/m3	14.6	15.7	12.7	108	86.9	70.0-130	21.6	25	
Chloroethane	ug/m3	9.89	10.8	8.71	109	88.0	70.0-130	21.4	25	
1,1,2-Trichlorotrifluoroethane	ug/m3	28.7	30.1	28.9	105	101	70.0-130	4.16	25	
1,1-Dichloroethene	ug/m3	14.9	16.0	15.1	108	102	70.0-130	5.86	25	
1,1-Dichloroethane	ug/m3	15.0	16.1	15.2	107	101	70.0-130	5.91	25	
Acetone	ug/m3	8.91	10.1	9.29	113	104	70.0-130	8.33	25	
2-Propanol	ug/m3	9.22	10.1	9.24	109	100	70.0-139	8.41	25	
Methylene Chloride	ug/m3	13.0	13.3	12.4	102	94.9	70.0-130	7.05	25	
Methyl-tert-butyl ether	ug/m3	13.5	14.3	14.0	106	103	70.0-130	2.29	25	
trans-1,2-Dichloroethene	ug/m3	14.9	15.9	15.1	107	102	70.0-130	4.85	25	
n-Hexane	ug/m3	13.2	14.1	13.5	107	102	70.0-130	4.59	25	
Vinyl acetate	ug/m3	13.2	12.2	12.3	92.5	93.1	70.0-130	0.575	25	
2-Butanone (MEK)	ug/m3	11.1	11.6	11.1	105	100	70.0-130	4.69	25	
Chloroform	ug/m3	18.3	18.8	18.3	103	101	70.0-130	2.62	25	
Cyclohexane	ug/m3	12.9	13.5	13.4	105	103	70.0-130	1.28	25	
1,1,1-Trichloroethane	ug/m3	20.4	21.1	20.7	103	101	70.0-130	1.83	25	
Carbon tetrachloride	ug/m3	23.6	24.8	24.6	105	104	70.0-130	1.02	25	
Benzene	ug/m3	12.0	12.6	12.2	105	102	70.0-130	3.10	25	
1,2-Dichloroethane	ug/m3	15.2	16.0	15.7	105	103	70.0-130	1.79	25	
n-Heptane	ug/m3	15.3	15.8	15.3	103	99.5	70.0-130	3.43	25	
Trichloroethene	ug/m3	20.1	20.3	20.5	101	102	70.0-130	1.05	25	

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1700 Elm Street
Minneapolis, MN 55414
(612)607-1700

QUALITY CONTROL DATA

Project: Legends Park Phase II
Pace Project No.: 10590787

LABORATORY CONTROL SAMPLE & LCSD: R3739465-1 R3739465-2

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
1,2-Dichloropropane	ug/m3	17.3	18.0	17.4	104	101	70.0-130	3.13	25	
1,4-Dioxane (p-Dioxane)	ug/m3	13.5	13.7	13.3	101	98.7	70.0-140	2.67	25	
Bromodichloromethane	ug/m3	25.2	25.6	25.3	102	101	70.0-130	1.32	25	
cis-1,3-Dichloropropene	ug/m3	17.0	17.8	17.5	104	103	70.0-130	1.29	25	
Toluene	ug/m3	14.1	14.8	14.8	105	105	70.0-130	0.00	25	
trans-1,3-Dichloropropene	ug/m3	17.0	17.6	17.3	103	102	70.0-130	1.56	25	
1,1,2-Trichloroethane	ug/m3	20.4	21.0	21.1	103	103	70.0-130	0.517	25	
Tetrachloroethene	ug/m3	25.5	25.2	25.5	98.9	100	70.0-130	1.07	25	
2-Hexanone	ug/m3	15.3	16.4	16.0	107	104	70.0-149	2.77	25	
1,2-Dibromoethane (EDB)	ug/m3	28.8	29.2	29.7	101	103	70.0-130	1.57	25	
Chlorobenzene	ug/m3	17.3	18.2	17.7	105	102	70.0-130	2.84	25	
Ethylbenzene	ug/m3	16.3	17.3	17.0	106	105	70.0-130	1.52	25	
m&p-Xylene	ug/m3	32.5	35.6	34.7	109	107	70.0-130	2.47	25	
o-Xylene	ug/m3	16.3	17.5	17.4	108	107	70.0-130	0.745	25	
Xylene (Total)	ug/m3	49.1	53.0	52.1	108	106	70.0-130	1.65	25	
Styrene	ug/m3	16.0	17.7	17.3	111	108	70.0-130	2.19	25	
Bromoform	ug/m3	38.8	39.2	39.9	101	103	70.0-130	1.83	25	
1,1,2,2-Tetrachloroethane	ug/m3	25.8	27.6	26.8	107	104	70.0-130	2.78	25	
1,3,5-Trimethylbenzene	ug/m3	18.4	20.1	20.4	109	111	70.0-130	1.46	25	
1,2,4-Trimethylbenzene	ug/m3	18.4	20.6	20.2	112	110	70.0-130	1.92	25	
1,4-Dichlorobenzene	ug/m3	22.5	26.4	25.9	117	115	70.0-130	2.07	25	
Benzyl chloride	ug/m3	19.5	22.9	22.6	118	116	70.0-152	1.14	25	
1,2-Dichlorobenzene	ug/m3	22.5	25.9	25.5	115	113	70.0-130	1.64	25	
1,2,4-Trichlorobenzene	ug/m3	27.8	31.8	30.7	115	111	70.0-160	3.55	25	
Hexachloro-1,3-butadiene	ug/m3	40.0	44.8	42.9	112	107	70.0-151	4.38	25	
Naphthalene	ug/m3	19.6	23.0	22.6	117	115	70.0-159	1.61	25	
Acrylonitrile	ug/m3	8.13	8.61	8.02	106	98.7	70.0-130	7.04	25	
1,4-Dichlorobenzene-d4 (IS)	%				101	101	60.0-140			

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Pace Analytical Services, LLC
1700 Elm Street
Minneapolis, MN 55414
(612)607-1700

QUALITY CONTROL DATA

Project: Legends Park Phase II
Pace Project No.: 10590787

QC Batch: 1788148
QC Batch Method: M18-Mod/TO-15
Analysis Method: TO-15
Analysis Description: VOA (MS) TO-15
Laboratory: Pace National - Mt. Juliet
Associated Lab Samples: 10590787005

METHOD BLANK: R3739877-3 Matrix: Air
Associated Lab Samples: 10590787005

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
2-Propanol	ug/m3	<0.649	3.07	0.649	12/12/21 15:53	
1,4-Dichlorobenzene-d4 (IS)	%	90.3	60.0-140		12/12/21 15:53	

LABORATORY CONTROL SAMPLE & LCSD: R3739877-1 R3739877-2

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
2-Propanol	ug/m3	9.22	6.76	6.96	73.3	75.5	70.0-139	2.87	25	
1,4-Dichlorobenzene-d4 (IS)	%				97.9	96.1	60.0-140			

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(612)607-1700

QUALIFIERS

Project: Legends Park Phase II
Pace Project No.: 10590787

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to dilution of the sample aliquot.

ND - Not Detected at or above adjusted reporting limit.

TNTC - Too Numerous To Count

J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.

MDL - Adjusted Method Detection Limit.

PQL - Practical Quantitation Limit.

RL - Reporting Limit - The lowest concentration value that meets project requirements for quantitative data with known precision and bias for a specific analyte in a specific matrix.

S - Surrogate

1,2-Diphenylhydrazine decomposes to and cannot be separated from Azobenzene using Method 8270. The result for each analyte is a combined concentration.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

U - Indicates the compound was analyzed for, but not detected.

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

Reported results are not rounded until the final step prior to reporting. Therefore, calculated parameters that are typically reported as "Total" may vary slightly from the sum of the reported component parameters.

Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.

TNI - The NELAC Institute.

ANALYTE QUALIFIERS

B	Analyte was detected in the associated method blank.
J	Analyte detected below the reporting limit, therefore result is an estimate. This qualifier is also used for all TICs.

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1700 Elm Street
Minneapolis, MN 55414
(612)607-1700

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: Legends Park Phase II
Pace Project No.: 10590787

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
10590787001	**LEGASG01**	TO-15	1787405	TO-15	1787405
10590787002	**LEGASG02**	TO-15	1787405	TO-15	1787405
10590787003	**LEGASG03**	TO-15	1787405	TO-15	1787405
10590787004	**LEGASG04**	TO-15	1787405	TO-15	1787405
10590787005	**LEGASG05**	TO-15	1787405	TO-15	1787405
10590787005	**LEGASG05**	TO-15	1788148	TO-15	1788148
10590787006	**LEGASG01 CERT#3665**	TO-15	789045		
10590787007	**LEGASG02 CERT#3874**	TO-15	789045		
10590787008	**LEGASG03 CERT#1693**	TO-15	789045		
10590787009	**LEGASG04 CERT#1561**	TO-15	789045		
10590787010	**LEGASG05 CERT#3681**	TO-15	789045		

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ENSAFE

EnSafe Inc.
800-588-7962

SUMMA CANISTER CHAIN OF CUSTODY AND ANALYTICAL REQUEST RECORD

COC No. GMH1208202 | Page 1 of 1

PO No. | Project No. 08888030988 Phase

Project Name: LEGENDS PARK PHASE II

Site Location: Legends Park - Block A

Send Results To: Chipper@ensafe.com; ahams@ensafe.com

Sampler/Site Phone# G. Heard 901-483-0920

Lab Name: Pace - Mt. Juliet

Turnaround Time (specify): 3 day

Analysis Requested: A223

Lab ID	Sample ID (sys_sample_code)	Location ID (sys_loc_code)	Matrix Code (1)	Canister Number	Flow Controller Number	Start Date (mm/dd/yy)	Start Time (hhmm)	End Date (mm/dd/yy)	End Time (hhmm)	Canister Size (Liters)	Field Initial Pressure (in Hg)	Field Final Pressure (in Hg)	TO-15				
	LEGASG01	SG01	GS	3665	FC3093	12/8/21	1348	12/8/21	1630	6	30	7	X				61
	LEGASG02	SG02	GS	3874	FC1165	"	1408	"	1446	6	30	4	X				62
	LEGASG03	SG03	GS	1693	FC0637	"	1432	"	1510	6	30	3.5	X				63
	LEGASG04	SG04	GS	1561	FC2697	"	1516	"	1550	6	29	4	X				64
	LEGASG05	SG05	GS	3681	FC1157	"	1453	"	1529	6	30	4	X				65

Field Comments:

Unless otherwise specified, all results must be reported in µg/m3

Lab Comments:

9745 4649 0652
9745 4649 0663

Sample Shipment Details

	Relinquished by (signature)	Date	Time	Received by (signature)	Date	Time
1		12/8/21	1730		12/9/21	0930
2						
3						

Number of packages: 2

Method of Shipment: FedEx

Date Shipped: 12/8/21

5+2 empty

(1) Matrix Code: **AA**=Ambient Air, **AC**=Air Composite, **ACS**=Air-Crawlspace, **AE**=Air-Vapor Extraction Well Effluent, **AI**=Air-Indoor, **AO**=Air-Outdoor, **AQ**=Air QC Matrix, **ASG**=Air-Soil Gas (outside building footprint), GS=**Soil Gas**, GSS=**Gas-sub-slab**

Internal Transfer Chain of Custody

☐ Samples Pre-Logged into eCOC.

State Of Origin: ~~KS~~ TN

Cert. Needed: ☐ **Yes** ☐ **No**

Workorder: 10590787 **Workorder Name:** Legends Park Phase II **Owner Received Date:** 12/9/2021 **Results Requested By:** 12/14/2021

Report To	Subcontract To
Carolynne Trout Pace Analytical Minnesota 1700 Elm Street Minneapolis, MN 55414 Phone 1(612)607-6351	Pace National 12065 Lebanon Rd Mt. Juliet, TN 37122 Phone (615) 758-5858

Item	Sample ID	Sample Type	Collect Date/Time	Lab ID	Matrix	Preserved Containers: Other	TO15 specific list	LAB USE ONLY
1	LEGASG01	PS	12/8/2021 16:30	10590787001	Air	1	X	
2	LEGASG02	PS	12/8/2021 14:46	10590787002	Air	1	X	
3	LEGASG03	PS	12/8/2021 15:10	10590787003	Air	1	X	
4	LEGASG04	PS	12/8/2021 15:50	10590787004	Air	1	X	
5	LEGASG05	PS	12/8/2021 14:53	10590787005	Air	1	X	

Transfers	Released By	Date/Time	Received By	Date/Time
1				
2				
3				

Comments

Cooler Temperature on Receipt _____°C | **Custody Seal Y or N** | **Received on Ice Y or N** | **Samples Intact Y or N**

****In order to maintain client confidentiality, location/name of the sampling site, sampler's name and signature may not be provided on this COC document. This chain of custody is considered complete as is since this information is available in the owner laboratory.*

Attachment F
VISL Calculator Outputs

/HTML"Output to Spreadsheet
/HTML"Output to PDF

Variable	Resident Air Default	Form-input
AF_{ow} (unitless)	0.001	0.001
AF_{ss} (unitless)	0.03	0.03
ED_{res} (years)	26	26
ED_{0-2} (years)	2	2
ED_{2-6} (years)	4	4
ED_{6-16} (years)	10	10
ED_{16-26} (years)	10	10
EF_{res} (days/year)	350	350
EF_{0-2} (days/year)	350	350
EF_{2-6} (days/year)	350	350
EF_{6-16} (days/year)	350	350
EF_{16-26} (days/year)	350	350
ET_{res} (hours/day)	24	24
ET_{0-2} (hours/day)	24	24
ET_{2-6} (hours/day)	24	24
ET_{6-16} (hours/day)	24	24
ET_{16-26} (hours/day)	24	24
THQ (unitless)	0.1	0.1
LT (years)	70	70
TR (unitless)	0.000001	0.000001

Notes

/HTML"User's Guide Variable References
/HTML"Corresponding Equations

CFC-113 = Trichloro-1,2,2-trifluoroethane, 1,1,2-
1,1,1-TCA = Trichloroethane, 1,1,1-
1,1-DCA = Dichloroethane, 1,1-
1,1-DCE = Dichloroethylene, 1,1-
cis-1,2-DCE = Dichloroethylene, cis-1,2-
IPA = Isopropanol
MEK = Methyl Ethyl Ketone (2-Butanone)
MTBE = Methyl tert-Butyl Ether
TCE = Trichloroethylene
PCE = Tetrachloroethylene
AF_{gw} = Attenuation Factor Groundwater
AF_{ss} = Attenuation Factor Sub-Slab
AT_w = averaging time - composite worker
BP = Boiling Point
CA = cancer
C_{gw} = Groundwater Concentration
C_{hc} = Groundwater Vapor Concentration
$C_{i,a}$ = Indoor Air Concentration
C_{sg} = Soil Gas Concentration
C_{ssv}Target = Target Soil Gas
C_{vp} = Pure Phase Vapor Concentration
CDI = Chronic Daily Intake
CR = Carcinogenic Risk
ED_w = exposure duration - composite worker
Ef_w = exposure frequency - composite worker
ET_w = exposure time - composite worker
H' = Dimensionless Henry's Law Constant at 25°C
HLC = Henry's Law Constant
HQ = Hazard Quotient
IUR = Chronic Inhalation Unit Risk $(ug/m^3)^{-1}$
LEL = Lower Explosive Limit
LT = lifetime
MCL = Maximum Contaminant Level
MW = Molecular Weight (g/mole)
NC = noncancer
RfC = Chronic Inhalation Reference Concentration (mg/m^3)
S = Water Solubility Limit
T_r = Critical Temperature
TCR = Target Cancer Risk
THQ = target hazard quotient
TR = target risk
VI = Vapor Intrusion
VISL = Vapor Intrusion Screening Level
VP = Vapor Pressure
$\Delta H_{v,b}$ = Enthalpy of vaporization at the normal boiling point
Ef_{res} = Resident Exposure Frequency
Ef_w = Worker Exposure Frequency
EF_{0-2} = Exposure Frequency - age segment 0-2
EF_{2-6} = Exposure Frequency - age segment 2-6
EF_{6-16} = Exposure Frequency - age segment 6-16
EF_{16-26} = Exposure Frequency - age segment 16-26
Ed_{res} = Resident Exposure Duration
ED_{res-c} = Resident Exposure Duration - child
ED_{res-a} = Resident Exposure Duration - adult
Ed_w = Worker Exposure Duration
ED_{0-2} = Exposure Duration - age segment 0-2
ED_{2-6} = Exposure Duration - age segment 2-6
ED6-16 = Exposure Duration - age segment 6-16
ED_{16-26} = Exposure Duration - age segment 16-26
Et_{res} = Resident Air Exposure Time
Et_w = Worker Air Exposure Time
ET_{0-2} = Exposure Time - age segment 0-2
ET_{2-6} = Exposure Time - age segment 2-6
ET_{6-16} = Exposure Time - age segment 6-16
ET_{16-26} = Exposure Time - age segment 16-26

Chemical Properties

Chemical	CAS Number	Does the chemical meet the definition for volatility? (HLC>1E-5 or VP>1)	Does the chemical have inhalation toxicity data? (IUR and/or RfC)	MW	VP (mm Hg)	S (mg/L)	MCL (ug/L)	HLC (atm-m^3/mole)	HLC (unitless)	Normal BP (K)	T_C (K)	$\Delta H_{v,b}$ (cal/mol)	LEL (% by volume)	LEL Ref	T_C Ref	$\Delta H_{v,b}$ Ref	MW Ref	VP Ref	S Ref	BP Ref	H` and HLC Ref
Acetone	67-64-1	Yes	No	58.081	232	1E+06	-	0.000035	0.00143	329.15	508	6.96E+03	2.5		CRC		PHYSPROP				
Benzene	71-43-2	Yes	Yes	78.115	94.8	1790	5	0.00555	0.227	353.15	562	7.34E+03	1.2		CRC		PHYSPROP				
Bromodichloromethane	75-27-4	Yes	Yes	163.83	50	3030	80	0.00212	0.0867	363.15	586	7.80E+03	-		Weast		PHYSPROP				
Butadiene, 1,3-	106-99-0	Yes	Yes	54.092	2110	735	-	0.0736	3.01	268.75	425	5.37E+03	2		CRC		PHYSPROP				EPI
Carbon Tetrachloride	56-23-5	Yes	Yes	153.82	115	793	5	0.0276	1.13	349.95	557	7.13E+03	-		CRC		PHYSPROP				
Chloroform	67-66-3	Yes	Yes	119.38	197	7950	80	0.00367	0.15	334.25	536	6.99E+03	-		CRC		PHYSPROP				
Chloromethane	74-87-3	Yes	Yes	50.488	4300	5320	-	0.00882	0.361	249.15	416	5.11E+03	8.1		CRC		PHYSPROP				
Cyclohexane	110-82-7	Yes	Yes	84.163	96.9	55	-	0.15	6.13	353.85	553	7.16E+03	1.3		CRC		PHYSPROP				
Dichlorobenzene, 1,4-	106-46-7	Yes	Yes	147	1.74	81.3	75	0.00241	0.0985	447.15	669	9.27E+03	1.8	YAWS	CRC		PHYSPROP				
Dichlorodifluoromethane	75-71-8	Yes	Yes	120.91	4850	280	-	0.343	14	243.35	385	4.80E+03	-		CRC		PHYSPROP				
Ethylbenzene	100-41-4	Yes	Yes	106.17	9.6	169	700	0.00788	0.322	409.25	617	8.50E+03	0.8		CRC		PHYSPROP				
Heptane, N-	142-82-5	Yes	Yes	100.21	46	3.4	-	2	81.8	371.65	540	7.59E+03	1.05		CRC		PHYSPROP				EPI
Hexane, N-	110-54-3	Yes	Yes	86.178	151	9.5	-	1.8	73.6	341.85	508	6.90E+03	1.1		CRC		PHYSPROP				EPI
Hexanone, 2-	591-78-6	Yes	Yes	100.16	11.6	17200	-	0.0000932	0.00381	400.75	587	8.69E+03	1		CRC		PHYSPROP				EPI
IPA	67-63-0	Yes	Yes	60.097	45.4	1E+06	-	0.0000081	0.000331	355.45	508	9.52E+03	2		CRC		PHYSPROP				
MEK	78-93-3	Yes	Yes	72.108	90.6	223000	-	0.0000569	0.00233	352.65	537	7.48E+03	1.4		CRC		PHYSPROP				
MTBE	1634-04-4	Yes	Yes	88.151	250	51000	-	0.000587	0.024	328.15	497	6.68E+03	2	YAWS	CRC		PHYSPROP				
Methylene Chloride	75-09-2	Yes	Yes	84.933	435	13000	5	0.00325	0.133	313.15	508	6.71E+03	13		CRC		PHYSPROP				
Naphthalene	91-20-3	Yes	Yes	128.18	0.085	31	-	0.00044	0.018	491.05	748	1.03E+04	0.9		CRC		PHYSPROP				
TCE	127-18-4	Yes	Yes	165.83	18.5	206	5	0.0177	0.724	394.45	620	8.29E+03	-		YAWS	CRC	PHYSPROP				
Toluene	108-88-3	Yes	Yes	92.142	28.4	526	1000	0.00664	0.271	383.75	592	7.93E+03	1.1		CRC		PHYSPROP				
CFC-113	76-13-1	Yes	Yes	187.38	363	170	-	0.526	21.5	320.85	487	6.46E+03	-		CRC		PHYSPROP				EPI
Trimethylbenzene, 1,2,4-	95-63-6	Yes	Yes	120.2	2.1	57	-	0.00616	0.252	442.45	649	9.37E+03	0.9		CRC	TOXNET	PHYSPROP				
Trimethylbenzene, 1,3,5-	108-67-8	Yes	Yes	120.2	2.48	48.2	-	0.00877	0.359	437.85	637	9.32E+03	1		CRC	TOXNET	PHYSPROP				
Xylenes	1330-20-7	Yes	Yes	106.17	7.99	106	10000	0.00663	0.271	411.65	620	8.52E+03	-		YAWS	Weast	PHYSPROP				

Resident Vapor Intrusion Screening Levels (VISL)

Key: I = IRIS; P = PPRTV; O = OPP; A = ATSDR; C = Cal EPA; X = PPRTV Screening Level; H = HEAST; D = DWSHA; W = TEF applied; E = RPF applied; U = user provided; G = see RSL User's Guide Section 5; CA = cancer; NC = noncancer.

Chemical	CAS Number	Does the chemical meet the definition for volatility? (HLC>1E-5 or VP>1)	Does the chemical have inhalation toxicity	Is Chemical Sufficiently Volatile and Toxic to Pose Inhalation Risk Via Vapor Intrusion from Soil Source? (C_{vs} > $C_{i,a}$,Target?)	Is Chemical Sufficiently Volatile and Toxic to Pose Inhalation Risk Via Vapor Intrusion from Groundwater Source? (C_{hc} >	$C_{i,a}$,Target, TCR=1E-06 or THQ=0.1 ($\mu g/m^3$)	Toxicity Basis	C_{sg},Target, TCR=1E-06 or THQ=0.1	C_{gw},Target, TCR=1E-06 or THQ=0.1 ($\mu g/L$)	Is C_{gw},Target < MCL?	C_{vp}, 25 °C ($\mu g/m^3$)	Maximum C_{hc} ($\mu g/m^3$)	Temperature for Maximum C_{hc} (°C)	LEL (% by volume)	LEL Ref	IUR ($\mu g/m^3)^{-1}$	TDR Ref	RfC (mg/m^3)	RfC Ref	Mutagenic Indicator	Carcinogenic VISL TCR=1E-06	Noncarcinogenic VISL THQ=0.1
Acetone	67-64-1	Yes	No	No Inhal. Tox. Info	No Inhal. Tox. Info	-		-	-		7.23E+08	1.43E+09	25	2.5	CRC	-		-		No	-	-
Benzene	71-43-2	Yes	Yes	Yes	Yes	0.36	CA	12	1.59	Yes (5)	3.98E+08	4.06E+08	25	1.2	CRC	7.80E-06	I	0.03	I	No	0.36	3.13
Bromodichloromethane	75-27-4	Yes	Yes	Yes	Yes	0.0759	CA	2.53	0.876	Yes (80)	4.41E+08	2.63E+08	25	-		3.70E-05	C	-		No	0.0759	-
Butadiene, 1,3-	106-99-0	Yes	Yes	Yes	Yes	0.0936	CA	3.12	0.0311	--	6.13E+09	2.21E+09	25	2	CRC	3.00E-05	I	0.002	I	No	0.0936	0.209
Carbon Tetrachloride	56-23-5	Yes	Yes	Yes	Yes	0.468	CA	15.6	0.415	Yes (5)	9.51E+08	8.95E+08	25	-		6.00E-06	I	0.1	I	No	0.468	10.4
Chloroform	67-66-3	Yes	Yes	Yes	Yes	0.122	CA	4.07	0.814	Yes (80)	1.26E+09	1.19E+09	25	-		2.30E-05	I	0.0977	A	No	0.122	10.2
Chloromethane	74-87-3	Yes	Yes	Yes	Yes	9.39	NC	313	26	--	1.17E+10	1.92E+09	25	8.1	CRC	-		0.09	I	No	-	9.39
Cyclohexane	110-82-7	Yes	Yes	Yes	Yes	626	NC	20900	102	--	4.38E+08	3.37E+08	25	1.3	CRC	-		6	I	No	-	626
Dichlorobenzene, 1,4-	106-46-7	Yes	Yes	Yes	Yes	0.255	CA	8.51	2.59	Yes (75)	1.38E+07	8.01E+06	25	1.8	YAWS	1.10E-05	C	0.8	I	No	0.255	83.4
e	75-71-8	Yes	Yes	Yes	Yes	10.4	NC	348	0.744	--	3.15E+10	3.93E+09	25	-		-		0.1	X	No	-	10.4
Ethylbenzene	100-41-4	Yes	Yes	Yes	Yes	1.12	CA	37.4	3.49	Yes (700)	5.48E+07	5.44E+07	25	0.8	CRC	2.50E-06	C	1	I	No	1.12	104
Heptane, N-	142-82-5	Yes	Yes	Yes	Yes	41.7	NC	1390	0.51	--	2.48E+08	2.78E+08	25	1.05	CRC	-		0.4	P	No	-	41.7
Hexane, N-	110-54-3	Yes	Yes	Yes	Yes	73	NC	2430	0.992	--	7.01E+08	6.99E+08	25	1.1	CRC	-		0.7	I	No	-	73
Hexanone, 2-	591-78-6	Yes	Yes	Yes	Yes	3.13	NC	104	821	--	6.25E+07	6.55E+07	25	1	CRC	-		0.03	I	No	-	3.13
IPA	67-63-0	Yes	Yes	Yes	Yes	20.9	NC	695	63000	--	1.47E+08	3.31E+08	25	2	CRC	-		0.2	P	No	-	20.9
MEK	78-93-3	Yes	Yes	Yes	Yes	521	NC	17400	224000	--	3.51E+08	5.19E+08	25	1.4	CRC	-		5	I	No	-	521
MTBE	4	Yes	Yes	Yes	Yes	10.8	CA	360	450	--	1.19E+09	1.22E+09	25	2	YAWS	2.60E-07	C	3	I	No	10.8	313
Methylene Chloride	75-09-2	Yes	Yes	Yes	Yes	62.6	NC	2090	471	No (5)	1.99E+09	1.73E+09	25	13	CRC	1.00E-08	I	0.6	I	Mut	101	62.6
Naphthalene	91-20-3	Yes	Yes	Yes	Yes	0.0826	CA	2.75	4.59	--	5.86E+05	5.58E+05	25	0.9	CRC	3.40E-05	C	0.003	I	No	0.0826	0.313
TCE	127-18-4	Yes	Yes	Yes	Yes	4.17	NC	139	5.76	No (5)	1.65E+08	1.49E+08	25	-		2.60E-07	I	0.04	I	No	10.8	4.17
Toluene	108-88-3	Yes	Yes	Yes	Yes	521	NC	17400	1920	No (1000)	1.41E+08	1.43E+08	25	1.1	CRC	-		5	I	No	-	521
CFC-113	76-13-1	Yes	Yes	Yes	Yes	521	NC	17400	24.2	--	3.65E+09	3.66E+09	25	-		-		5	P	No	-	521
1,2,4-	95-63-6	Yes	Yes	Yes	Yes	6.26	NC	209	24.8	--	1.36E+07	1.44E+07	25	0.9	CRC	-		0.06	I	No	-	6.26
1,3,5-	108-67-8	Yes	Yes	Yes	Yes	6.26	NC	209	17.5	--	1.60E+07	1.73E+07	25	1	CRC	-		0.06	I	No	-	6.26
Xylenes	7	Yes	Yes	Yes	Yes	10.4	NC	348	38.5	Yes (10000)	4.56E+07	2.87E+07	25	-		-		0.1	I	No	-	10.4

Resident Vapor Intrusion Risk - SG01

Chemical	CAS Number	C_{sg} ($\mu g/m^3$)	$C_{i,a}$ ($\mu g/m^3$)	VI CR CDI (ug/m^3)	VI CR	VI HQ CDI (mg/m^3)	VI HQ	IUR $(ug/m^3)^{-1}$	IU R Ref	Chronic RfC (mg/m^3)	RfC Ref	Temperature (°C) for C_{hc}	Mutagen?
Acetone	67-64-1	72	—	—	—	—	—	—		—		25	No
Benzene	71-43-2	13.8	0.414	0.147	1.15E-06	3.97E-04	1.32E-02	7.80E-06	I	0.03	IRIS	25	No
Bromodichloromethane	75-27-4	1.19	0.0357	0.0127	4.70E-07	3.42E-05	-	3.70E-05	C	—		25	No
Butadiene, 1,3-	106-99-0	1.42	0.0426	0.0152	4.55E-07	4.08E-05	2.04E-02	3.00E-05	I	0.002	IRIS	25	No
Carbon Tetrachloride	56-23-5	0.844	0.0253	0.009	5.41E-08	2.43E-05	2.43E-04	6.00E-06	I	0.1	IRIS	25	No
Chloroform	67-66-3	—	—	—	—	—	—	2.30E-05	I	0.0977	ATSDR	25	No
Chloromethane	74-87-3	0.386	0.0116	0.0041	—	1.11E-05	1.23E-04	—		0.09	IRIS	25	No
Cyclohexane	110-82-7	2.78	0.0834	0.0297	—	8.00E-05	1.33E-05	—		6	IRIS	25	No
Dichlorobenzene, 1,4-	106-46-7	—	—	—	—	—	—	1.10E-05	C	0.8	IRIS	25	No
Dichlorodifluoromethane	75-71-8	3.18	0.0954	0.034	—	9.15E-05	9.15E-04	—		0.1	SCREEN	25	No
Ethylbenzene	100-41-4	3.95	0.119	0.0422	1.06E-07	1.14E-04	1.14E-04	2.50E-06	C	1	IRIS	25	No
Heptane, N-	142-82-5	3.01	0.0903	0.0322	—	8.66E-05	2.16E-04	—		0.4	PPRTV	25	No
Hexane, N-	110-54-3	2.22	0.0666	0.0237	—	6.39E-05	9.12E-05	—		0.7	IRIS	25	No
Hexanone, 2-	591-78-6	2.27	0.0681	0.0243	—	6.53E-05	2.18E-03	—		0.03	IRIS	25	No
IPA	67-63-0	19.9	0.597	0.213	—	5.72E-04	2.86E-03	—		0.2	PPRTV	25	No
MEK	78-93-3	7.84	0.235	0.0838	—	2.26E-04	4.51E-05	—		5	IRIS	25	No
MTBE	1634-04-4	0.653	0.0196	0.007	1.81E-09	1.88E-05	6.26E-06	2.60E-07	C	3	IRIS	25	No
Methylene Chloride	75-09-2	1.63	0.0489	0.0482	4.82E-10	4.69E-05	7.82E-05	1.00E-08	I	0.6	IRIS	25	Mut
Naphthalene	91-20-3	26.8	0.804	0.286	9.74E-06	7.71E-04	2.57E-01	3.40E-05	C	0.003	IRIS	25	No
TCE	127-18-4	0.964	0.0289	0.0103	2.68E-09	2.77E-05	6.93E-04	2.60E-07	I	0.04	IRIS	25	No
Toluene	108-88-3	13.4	0.402	0.143	—	3.85E-04	7.71E-05	—		5	IRIS	25	No
CFC-113	76-13-1	1.33	0.0399	0.0142	—	3.83E-05	7.65E-06	—		5	PPRTV	25	No
Trimethylbenzene, 1,2,4-	95-63-6	10.6	0.318	0.113	—	3.05E-04	5.08E-03	—		0.06	IRIS	25	No
Trimethylbenzene, 1,3,5-	108-67-8	5.79	0.174	0.0619	—	1.67E-04	2.78E-03	—		0.06	IRIS	25	No
Xylenes	1330-20-7	29.1	0.873	0.311	—	8.37E-04	8.37E-03	—		0.1	IRIS	25	No
*Sum		—	—	—	1.20E-05	—	0.315	—		—		—	

Resident Vapor Intrusion Risk - SG02

Chemical	CAS Number	C_{sg} ($\mu g/m^3$)	$C_{i,a}$ ($\mu g/m^3$)	VI CR CDI ($\mu g/m^3$)	VI CR	VI HQ CDI (mg/m^3)	VI HQ	IUR $(ug/m^3)^{-1}$	IUR Ref	Chronic RfC (mg/m^3	RfC Ref	Temperature (°C) for C_{hc}	Mutagen?
Acetone	67-64-1	145	—	—	—	—	—	—		—		25	No
Benzene	71-43-2	2.18	0.0654	0.0233	1.82E-07	6.27E-05	2.09E-03	7.80E-06	I	0.03	IRIS	25	No
Bromodichloromethane	75-27-4	—	—	—	—	—	—	3.70E-05	C	—		25	No
Butadiene, 1,3-	106-99-0	0.843	0.0253	0.00901	2.70E-07	2.43E-05	1.21E-02	3.00E-05	I	0.002	IRIS	25	No
Carbon Tetrachloride	56-23-5	0.976	0.0293	0.0104	6.26E-08	2.81E-05	2.81E-04	6.00E-06	I	0.1	IRIS	25	No
Chloroform	67-66-3	—	—	—	—	—	—	2.30E-05	I	0.0977	ATSDR	25	No
Chloromethane	74-87-3	0.708	0.0212	0.00756	—	2.04E-05	2.26E-04	—		0.09	IRIS	25	No
Cyclohexane	110-82-7	3.4	0.102	0.0363	—	9.78E-05	1.63E-05	—		6	IRIS	25	No
Dichlorobenzene, 1,4-	106-46-7	—	—	—	—	—	—	1.10E-05	C	0.8	IRIS	25	No
Dichlorodifluoromethane	75-71-8	3.52	0.106	0.0376	—	1.01E-04	1.01E-03	—		0.1	SCREEN	25	No
Ethylbenzene	100-41-4	2.49	0.0747	0.0266	6.65E-08	7.16E-05	7.16E-05	2.50E-06	C	1	IRIS	25	No
Heptane, N-	142-82-5	3.88	0.116	0.0415	—	1.12E-04	2.79E-04	—		0.4	PPRTV	25	No
Hexane, N-	110-54-3	4.76	0.143	0.0509	—	1.37E-04	1.96E-04	—		0.7	IRIS	25	No
Hexanone, 2-	591-78-6	8.79	0.264	0.0939	—	2.53E-04	8.43E-03	—		0.03	IRIS	25	No
IPA	67-63-0	4.87	0.146	0.052	—	1.40E-04	7.00E-04	—		0.2	PPRTV	25	No
MEK	78-93-3	19.2	0.576	0.205	—	5.52E-04	1.10E-04	—		5	IRIS	25	No
MTBE	1634-04-4	—	—	—	—	—	—	2.60E-07	C	3	IRIS	25	No
Methylene Chloride	75-09-2	0.639	0.0192	0.0189	1.89E-10	1.84E-05	3.06E-05	1.00E-08	I	0.6	IRIS	25	Mut
Naphthalene	91-20-3	—	—	—	—	—	—	3.40E-05	C	0.003	IRIS	25	No
TCE	127-18-4	—	—	—	—	—	—	2.60E-07	I	0.04	IRIS	25	No
Toluene	108-88-3	10.5	0.315	0.112	—	3.02E-04	6.04E-05	—		5	IRIS	25	No
CFC-113	76-13-1	1.1	0.033	0.0118	—	3.16E-05	6.33E-06	—		5	PPRTV	25	No
Trimethylbenzene, 1,2,4-	95-63-6	6.23	0.187	0.0666	—	1.79E-04	2.99E-03	—		0.06	IRIS	25	No
Trimethylbenzene, 1,3,5-	108-67-8	1.87	0.0561	0.02	—	5.38E-05	8.97E-04	—		0.06	IRIS	25	No
Xylenes	1330-20-7	15.6	0.468	0.167	—	4.49E-04	4.49E-03	—		0.1	IRIS	25	No
*Sum		—	—	—	*5.81E-07*	—	*0.034*	—		—		—	

Resident Vapor Intrusion Risk - SG03

Chemical	CAS Number	C_{sg} ($\mu g/m^3$)	$C_{i,a}$ ($\mu g/m^3$)	VI CR CDI ($\mu g/m^3$)	VI CR	VI HQ CDI (mg/m^3)	VI HQ	IUR $(ug/m^3)^{-1}$	IUR Ref	Chronic RfC (mg/m^3	RfC Ref	Temperature (°C) for C_{hc}	Mutagen?
Acetone	67-64-1	51.1	—	—	—	—	—	—		—		25	No
Benzene	71-43-2	1.67	0.0501	0.0178	1.39E-07	4.80E-05	1.60E-03	7.80E-06	I	0.03	IRIS	25	No
Bromodichloromethane	75-27-4	—	—	—	—	—	—	3.70E-05	C	—		25	No
Butadiene, 1,3-	106-99-0	—	—	—	—	—	—	3.00E-05	I	0.002	IRIS	25	No
Carbon Tetrachloride	56-23-5	—	—	—	—	—	—	6.00E-06	I	0.1	IRIS	25	No
Chloroform	67-66-3	0.759	0.0228	0.00811	1.87E-07	2.18E-05	2.24E-04	2.30E-05	I	0.0977	ATSDR	25	No
Chloromethane	74-87-3	—	—	—	—	—	—	—		0.09	IRIS	25	No
Cyclohexane	110-82-7	0.816	0.0245	0.00872	—	2.35E-05	3.91E-06	—		6	IRIS	25	No
Dichlorobenzene, 1,4-	106-46-7	—	—	—	—	—	—	1.10E-05	C	0.8	IRIS	25	No
Dichlorodifluoromethane	75-71-8	2.83	0.0849	0.0302	—	8.14E-05	8.14E-04	—		0.1	SCREEN	25	No
Ethylbenzene	100-41-4	1.98	0.0594	0.0212	5.29E-08	5.70E-05	5.70E-05	2.50E-06	C	1	IRIS	25	No
Heptane, N-	142-82-5	1.1	0.033	0.0118	—	3.16E-05	7.91E-05	—		0.4	PPRTV	25	No
Hexane, N-	110-54-3	1.1	0.033	0.0118	—	3.16E-05	4.52E-05	—		0.7	IRIS	25	No
Hexanone, 2-	591-78-6	1.37	0.0411	0.0146	—	3.94E-05	1.31E-03	—		0.03	IRIS	25	No
IPA	67-63-0	—	—	—	—	—	—	—		0.2	PPRTV	25	No
MEK	78-93-3	3.16	0.0948	0.0338	—	9.09E-05	1.82E-05	—		5	IRIS	25	No
MTBE	1634-04-4	0.854	0.0256	0.00912	2.37E-09	2.46E-05	8.19E-06	2.60E-07	C	3	IRIS	25	No
Methylene Chloride	75-09-2	—	—	—	—	—	—	1.00E-08	I	0.6	IRIS	25	Mut
Naphthalene	91-20-3	—	—	—	—	—	—	3.40E-05	C	0.003	IRIS	25	No
TCE	127-18-4	—	—	—	—	—	—	2.60E-07	I	0.04	IRIS	25	No
Toluene	108-88-3	4.11	0.123	0.0439	—	1.18E-04	2.36E-05	—		5	IRIS	25	No
CFC-113	76-13-1	0.996	0.0299	0.0106	—	2.87E-05	5.73E-06	—		5	PPRTV	25	No
Trimethylbenzene, 1,2,4-	95-63-6	4.6	0.138	0.0492	—	1.32E-04	2.21E-03	—		0.06	IRIS	25	No
Trimethylbenzene, 1,3,5-	108-67-8	1.75	0.0525	0.0187	—	5.03E-05	8.39E-04	—		0.06	IRIS	25	No
Xylenes	1330-20-7	11	0.33	0.118	—	3.16E-04	3.16E-03	—		0.1	IRIS	25	No
**Sum*		—	—	—	*3.81E-07*	—	*0.0104*	—		—		—	

Resident Vapor Intrusion Risk - SG04

Chemical	CAS Number	C_{sg} ($\mu g/m^3$)	$C_{i,a}$ ($\mu g/m^3$)	VI CR CDI ($\mu g/m^3$)	VI CR	VI HQ CDI (mg/m^3)	VI HQ	IUR $(ug/m^3)^{-1}$	IUR Ref	Chronic RfC (mg/m^3	RfC Ref	Temperature (°C) for C_{hc}	Mutagen?
Acetone	67-64-1	6.11	—	—	—	—	—	—		—		25	No
Benzene	71-43-2	0.581	0.0174	0.00621	4.84E-08	1.67E-05	5.57E-04	7.80E-06	I	0.03	IRIS	25	No
Bromodichloromethane	75-27-4	—	—	—	—	—	—	3.70E-05	C	—		25	No
Butadiene, 1,3-	106-99-0	—	—	—	—	—	—	3.00E-05	I	0.002	IRIS	25	No
Carbon Tetrachloride	56-23-5	—	—	—	—	—	—	6.00E-06	I	0.1	IRIS	25	No
Chloroform	67-66-3	0.891	0.0267	0.00952	2.19E-07	2.56E-05	2.62E-04	2.30E-05	I	0.0977	ATSDR	25	No
Chloromethane	74-87-3	0.425	0.0128	0.00454	—	1.22E-05	1.36E-04	—		0.09	IRIS	25	No
Cyclohexane	110-82-7	0.637	0.0191	0.00681	—	1.83E-05	3.05E-06	—		6	IRIS	25	No
Dichlorobenzene, 1,4-	106-46-7	0.568	0.017	0.00607	6.68E-08	1.63E-05	2.04E-05	1.10E-05	C	0.8	IRIS	25	No
Dichlorodifluoromethane	75-71-8	3.17	0.0951	0.0339	—	9.12E-05	9.12E-04	—		0.1	SCREEN	25	No
Ethylbenzene	100-41-4	0.863	0.0259	0.00922	2.31E-08	2.48E-05	2.48E-05	2.50E-06	C	1	IRIS	25	No
Heptane, N-	142-82-5	—	—	—	—	—	—	—		0.4	PPRTV	25	No
Hexane, N-	110-54-3	—	—	—	—	—	—	—		0.7	IRIS	25	No
Hexanone, 2-	591-78-6	—	—	—	—	—	—	—		0.03	IRIS	25	No
IPA	67-63-0	2.63	0.0789	0.0281	—	7.57E-05	3.78E-04	—		0.2	PPRTV	25	No
MEK	78-93-3	—	—	—	—	—	—	—		5	IRIS	25	No
MTBE	1634-04-4	—	—	—	—	—	—	2.60E-07	C	3	IRIS	25	No
Methylene Chloride	75-09-2	0.583	0.0175	0.0173	1.73E-10	1.68E-05	2.80E-05	1.00E-08	I	0.6	IRIS	25	Mut
Naphthalene	91-20-3	—	—	—	—	—	—	3.40E-05	C	0.003	IRIS	25	No
TCE	127-18-4	—	—	—	—	—	—	2.60E-07	I	0.04	IRIS	25	No
Toluene	108-88-3	2.4	0.072	0.0256	—	6.90E-05	1.38E-05	—		5	IRIS	25	No
CFC-113	76-13-1	1.12	0.0336	0.012	—	3.22E-05	6.44E-06	—		5	PPRTV	25	No
Trimethylbenzene, 1,2,4-	95-63-6	1.26	0.0378	0.0135	—	3.62E-05	6.04E-04	—		0.06	IRIS	25	No
Trimethylbenzene, 1,3,5-	108-67-8	0.697	0.0209	0.00745	—	2.01E-05	3.34E-04	—		0.06	IRIS	25	No
Xylenes	1330-20-7	3.96	0.119	0.0423	—	1.14E-04	1.14E-03	—		0.1	IRIS	25	No
**Sum*		—	—	—	*3.57E-07*	—	*0.00442*	—		—		—	

Resident Vapor Intrusion Risk - SG05

Chemical	CAS Number	C_{sg} ($\mu g/m^3$)	$C_{i,a}$ ($\mu g/m^3$)	VI CR CDI ($\mu g/m^3$)	VI CR	VI HQ CDI (mg/m^3)	VI HQ	IUR $(ug/m^3)^{-1}$	IUR Ref	Chronic RfC (mg/m^3	RfC Ref	Temperature (°C) for C_{hc}	Mutagen?
Acetone	67-64-1	82.2	—	—	—	—	—	—		—		25	No
Benzene	71-43-2	2.66	0.0798	0.0284	2.22E-07	7.65E-05	2.55E-03	7.80E-06	I	0.03	IRIS	25	No
Bromodichloromethane	75-27-4	—	—	—	—	—	—	3.70E-05	C	—		25	No
Butadiene, 1,3-	106-99-0	1.21	0.0363	0.0129	3.88E-07	3.48E-05	1.74E-02	3.00E-05	I	0.002	IRIS	25	No
Carbon Tetrachloride	56-23-5	—	—	—	—	—	—	6.00E-06	I	0.1	IRIS	25	No
Chloroform	67-66-3	—	—	—	—	—	—	2.30E-05	I	0.0977	ATSDR	25	No
Chloromethane	74-87-3	0.492	0.0148	0.00526	—	1.42E-05	1.57E-04	—		0.09	IRIS	25	No
Cyclohexane	110-82-7	3.48	0.104	0.0372	—	1.00E-04	1.67E-05	—		6	IRIS	25	No
Dichlorobenzene, 1,4-	106-46-7	—	—	—	—	—	—	1.10E-05	C	0.8	IRIS	25	No
Dichlorodifluoromethane	75-71-8	204	6.12	2.18	—	5.87E-03	5.87E-02	—		0.1	SCREEN	25	No
Ethylbenzene	100-41-4	1.94	0.0582	0.0207	5.18E-08	5.58E-05	5.58E-05	2.50E-06	C	1	IRIS	25	No
Heptane, N-	142-82-5	3.67	0.11	0.0392	—	1.06E-04	2.64E-04	—		0.4	PPRTV	25	No
Hexane, N-	110-54-3	5.89	0.177	0.0629	—	1.69E-04	2.42E-04	—		0.7	IRIS	25	No
Hexanone, 2-	591-78-6	3.25	0.0975	0.0347	—	9.35E-05	3.12E-03	—		0.03	IRIS	25	No
IPA	67-63-0	283	8.49	3.02	—	8.14E-03	4.07E-02	—		0.2	PPRTV	25	No
MEK	78-93-3	7.61	0.228	0.0813	—	2.19E-04	4.38E-05	—		5	IRIS	25	No
MTBE	1634-04-4	—	—	—	—	—	—	2.60E-07	C	3	IRIS	25	No
Methylene Chloride	75-09-2	—	—	—	—	—	—	1.00E-08	I	0.6	IRIS	25	Mut
Naphthalene	91-20-3	—	—	—	—	—	—	3.40E-05	C	0.003	IRIS	25	No
TCE	127-18-4	—	—	—	—	—	—	2.60E-07	I	0.04	IRIS	25	No
Toluene	108-88-3	6.71	0.201	0.0717	—	1.93E-04	3.86E-05	—		5	IRIS	25	No
CFC-113	76-13-1	—	—	—	—	—	—	—		5	PPRTV	25	No
Trimethylbenzene, 1,2,4-	95-63-6	2.36	0.0708	0.0252	—	6.79E-05	1.13E-03	—		0.06	IRIS	25	No
Trimethylbenzene, 1,3,5-	108-67-8	1.16	0.0348	0.0124	—	3.34E-05	5.56E-04	—		0.06	IRIS	25	No
Xylenes	1330-20-7	9.03	0.271	0.0965	—	2.60E-04	2.60E-03	—		0.1	IRIS	25	No
**Sum*		—	—	—	*6.61E-07*	—	*0.128*	—		—		—	

Attachment 9
Noise Study

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Project: Legends Park Memphis
RWA Project No: 21-032

February 25, 2022

From: David Woolworth, *Roland, Woolworth & Associates*
To: Allison Harris, *Ensafe*

Subject: Legends Park HUD Noise Analysis

Summary

- Transportation noise was evaluated for the proposed Legends Park project on Peach Ave in Memphis based on HUD methods, field measurements, and double barrier acoustic analysis.
    - Aircraft and train noise was eliminated from the analysis based on distance.
    - Helicopter noise was measured in the field; lack of regular flights and measured levels eliminated tis source from the analysis.
- Highway noise (I-40) was determined to be the noise source of interest. The overall impact did not exceed 75dB, but a portion of the building falls in the “not normally acceptable” category for noise exposure according to HUD.
    - Highway traffic data was provided by TDOT and the pre-barrier DNL was determined using the HUD DNL online calculator.
    - I-40 is flanked by concrete barriers on both sides, and the far barrier acts as a reflector. The result is that the analysis uses a hybrid of HUD and double barrier methods to determine attenuation effects on the DNL.
        - The barrier analysis is broken down using HUD Noise Guide Chapter 5 methods, and each source (original sources (east and west bound, cars and heavy trucks) and corresponding reflected images (double barrier method)) is evaluated using the HUD barrier attenuation calculator to determine the barrier’s effect on each source at each level of the building.
            - Attenuation of the barrier on each individual source is evaluated, and all sources are logarithmically added together to determine DNL.
    - The results of the field measurements (taken over 72+ hours) yielded nearly matching DNL levels to the analysis.
- The Building facade was evaluated for noise exposure based on floor elevation and distance from I-40 to meet the facade STC requirements. A markup of the facade is included with sound levels (DNL) and areas requiring upgraded window STC.
    - Two facade construction types were evaluated for sound transmission, along with window grades and sizes, and the VTAC ventilation system and its opening to the outside. The HUD STraCAT online tool was employed to evaluate pass/fail and the required window upgrades.

Overview

The proposed site for the Legends Park assisted living facility on Peach Ave in Memphis was evaluated for transportation noise exposure and the building envelope was evaluated for sound reduction to meet HUD requirements. The investigation involved short and long term sound level measurements onsite with observations and a site investigation, analysis of traffic using HUD methods combined with double barrier calculations, and evaluation of the building envelope to ensure the exterior facade met STC requirements as identified by HUD for any areas over 65DNL.

Exposure for the building due to transportation sound sources does not exceed 75dB DNL, so a portion of the building falls into the category “Normally Unacceptable” and the facade sound transmission characteristics in those locations require verification and /or modification to ensure internal sound level criteria are met. Some portions of the building require an upgrade of windows; these locations are indicated in the summary markup.

Transportation Noise Sources

The following sound sources were evaluated for noise impact on the building facade and to determine DNL exposure:

- **Interstate Highway I-40 (east-west), parallel to the building north wall.**
  - This is the main concern, at 130’ to the north.
  - The highway has a barrier on both sides, creating a reflected (added) image of the traffic noise back toward the building. The methods and analysis are described below.
  - Standard barrier attenuation analysis follows HUD Chapter 5.

- **Helicopter traffic**

  - Several medical facilities are in the immediate vicinity, and are serviced by commercial helicopter service(s). Two helicopters were observed during the site investigation, at a distance, and one was measured for reference. The sound level at the pass was 67dBA with traffic, traffic alone at the time of the measurement was 64dBA.

  - Flights are on demand and flight paths are dependent on destination and departure locations.

  - The commercial heliport is located 4700 ft from the site om I-69, and the nearest rooftop receivers are Le Bonheur Children’s Hospital (2100 ft) and Regional One Health (2900 ft).

  - Helicopter noise (events) for this site was considered inconsistent and not quantifiable in the scope of this study.

- **Commercial Aircraft**
  - Commercial aircraft were observed at different heights and flight paths during the fieldwork and one measurement made. The sound level of traffic with the aircraft was 66dBA, and traffic alone was 64dBA during that particular measurement. Due to the frequency of flights in this direction, these are occasional events.

  - Flight paths based on Memphis International Airport Part 150 Study Update (September 1, 2015) do not impact any locations north of Hwy 78 (see attached map), so aircraft noise is not considered in this study.

The Site map is shown in **Figure 1**. I-40 runs east-west with a noise barrier on both sides. Traffic data from TDOT is shown in **Table 1**.

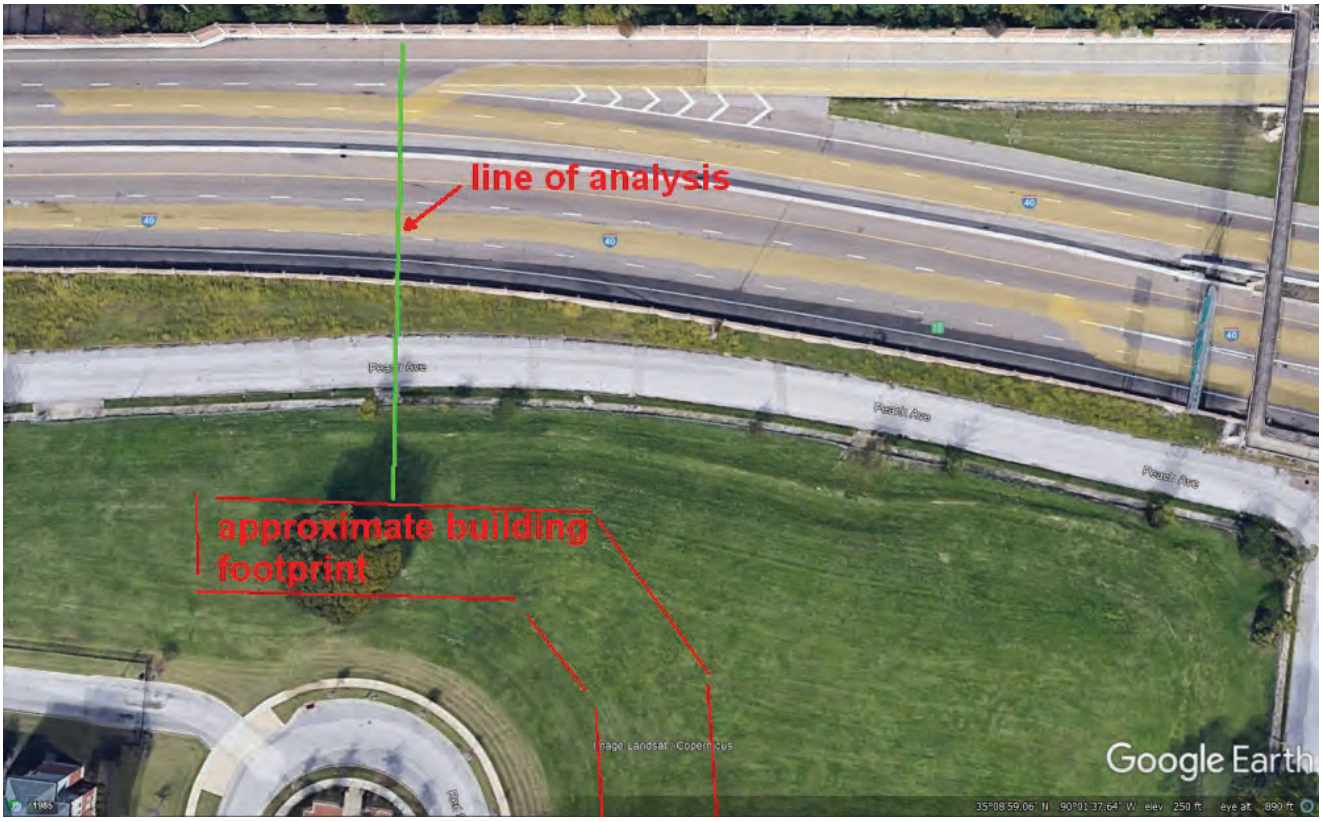


Figure 1: Layout of site relative to I-40 Interstate highway. Building location is approximated. The line of analysis is shown. The facade of the building is 131' from the barrier

County	Route	Beginning Log Mile	Ending Log Mile	Year	Annual Average Daily Traffic	Passenger Vehicles %	Single Unit Truck %	Multi Unit Truck %	Station #
SHELBY	I0040	1.45	2.54	2020	51900	85	2	13	250
					Annual Average Daily Traffic	Passenger Vehicles #	Single Unit Truck #	Multi Unit Truck #	
				EB	28545	24263.25	570.9	3710.85	
				WB	23355	19851.75	467.1	3036.15	

Table 1: TDOT Traffic Data

Analysis Method

The analysis follows HUD Noise Guide methods and integrates the double barrier analysis method:

- East bound and west bound sources are treated individually as a source at the center of the lanes.
  - Trucks are evaluated at 8' and automobiles and medium trucks are evaluated at pavement as the source height.
  - East and west bound lanes are evaluated graphically as a mirror image from the far barrier to determine if there is a reflection, and based on the added distance.
  - Each donation from each of the 4 lanes (EB, WB, EB image, WB image) and the two different sources are determined using the HUD DNL calculator.
- HUD Barrier Calculation method is used (below) to determine the attenuation for each source at each level of the building. Some sources pass over the barrier and are not attenuated.
- All sources (attenuated and non- attenuated) are combined at each building level to determine the incident DNL at the facade.

- Since the north face of the building is effectively parallel to I-40, the north face is treated uniformly
- Facades on the side of the building (east and west) are considered shielded and receive an additional 3dB reduction (½ power).
- As the east and west facades recede from I-40, additional sound attenuation is achieved due to distance.
- The South side of the building is fully shielded and receives 10dB reduction in the analysis, putting that section inside “acceptable” sound levels as determined by HUD (65DNL and below).

- The individual components of the facade of the building (wall construction, windows, and HVAC intake/exhaust louver) are evaluated for sound transmission class (STC). Each unit is then evaluated for pass/fail using STraCAT (HUD sound transmission Classification Assessment Tool) with the composite facade STC and the exterior DNL. This is done for each part of the building where the DNL changes.
  - If a part of the building does not meet the STC requirement of the facade, recommendations are made to meet the requirements based on coordination with the architect.

Barriers Data

Barrier calculations are dependent on height of barrier, source and receiver. The following methods were used to determine the heights of traffic sources, barrier, and receivers shown in **Figure 2**.

- C-6 was used as a reference for elevations of the foundation of the building, the south sidewalk, and Peach Ave.
- Elevations of the building were taken from A202
- The relative elevations were correlated to Google Earth (5 ft difference) at the sidewalk and Peach Ave.
- Google Earth provided the elevations of I40, then translated back to the C-6 reference drawing.
- Google Earth was also used for distance calculations to reference points on C-6, including highway (East Bound/West Bound) traffic centers.
- The barrier height was measured physically in the field at several locations from the I-40 side.
- Truck sound source is 8’ above the road, and automobile sound source is at the road elevation (Ch5 HUD Noise Manual).

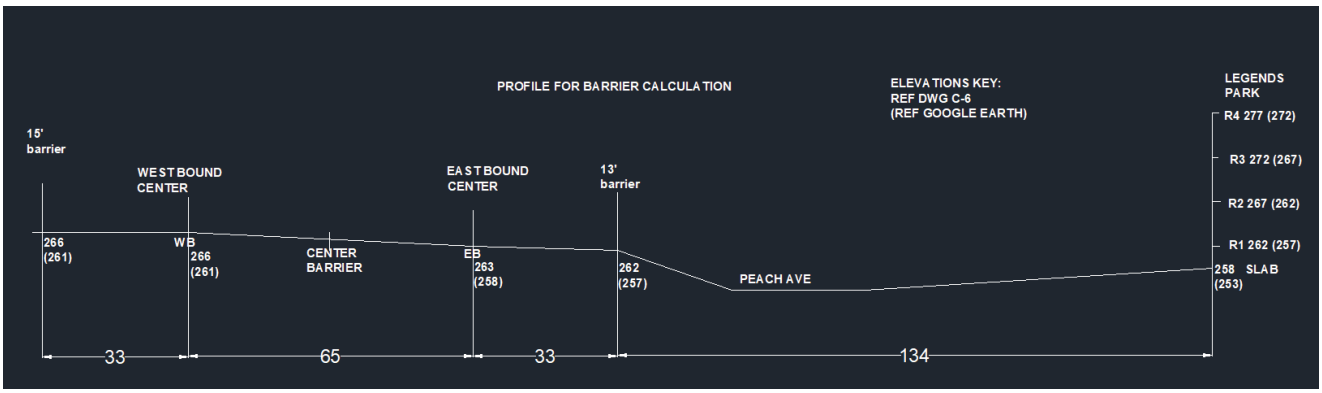


Figure 2: Elevations and distances (in feet) used for the barrier attenuation and DNL analysis. Distances and elevations were taken from Google Maps (the highway, Peach Ave, and sidewalk) and C-6 grading plan sitemap (location of building relative to Peach Ave and Sidewalk).

Barrier Calculation Method

Buildup of reflected sound between parallel (hard) sound barriers increases the sound level of the highway sound source. This can have an impact on the DNL at the receiver; the double barrier creates a reflected image of the traffic noise that travels toward the receiver. The following method was used to determine the added impact of the double barrier.

- The sound source is modeled a second time as the image of the reflection (further away, as an image in a mirror), and (logarithmically) add the result to the original source.
    - **Figures X-Y** provide four examples of the location of the highway sources and images of the highway sources and the rays used to determine if the barrier effect is to be calculated. As can be seen, the images are farther away from the receiver (and as a result produce less sound at the receiver).
        - As per HUD Noise Guide, if there is a line of sight between the source and receiver (the line does not pass through the barrier), no barrier effect is calculated.
    - The reflection is assumed to be minimally attenuated by the process of reflection, as the barrier is non porous concrete.
    - HUD does not make provisions for this condition in the HUD Noise manual or in the HUD online barrier calculation. This method can be found in, among other references:
        - Noise and Vibration Control Engineering, Ver and Beranek, 2006.
        - Architectural Acoustics, Marshall Long, 2006.
- If the image ray does not pass through the reflecting barrier on the path to the receiver, there is no reflected image to add. The sound passes over the far barrier and is not reflected back to Legends Park.
- Due to source height, each car/medium truck source and heavy truck source and their images is analyzed separately with regard to the blocking barrier, and the results are combined at the receiver. (HUD Noise Manual, Ch5).
- Due to the height of the building, each floor is analyzed separately to determine DNL, as the barrier and the reflected images all have a different impact as the geometry changes.

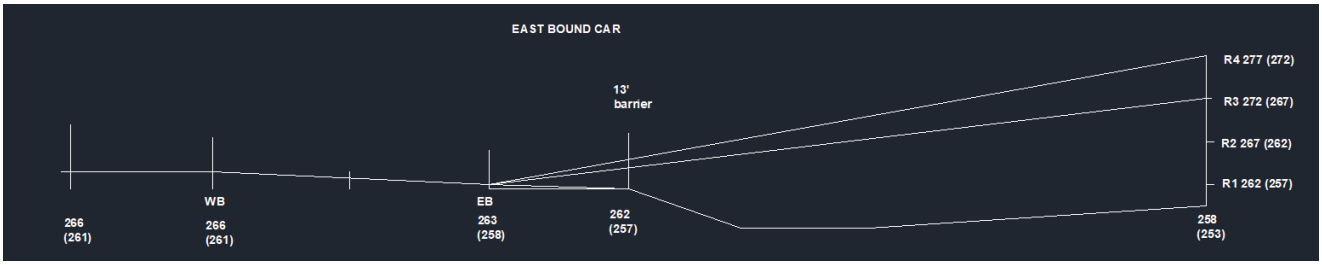


Figure 3: East Bound car example. The barrier is effective for all receiving levels of Legends Park

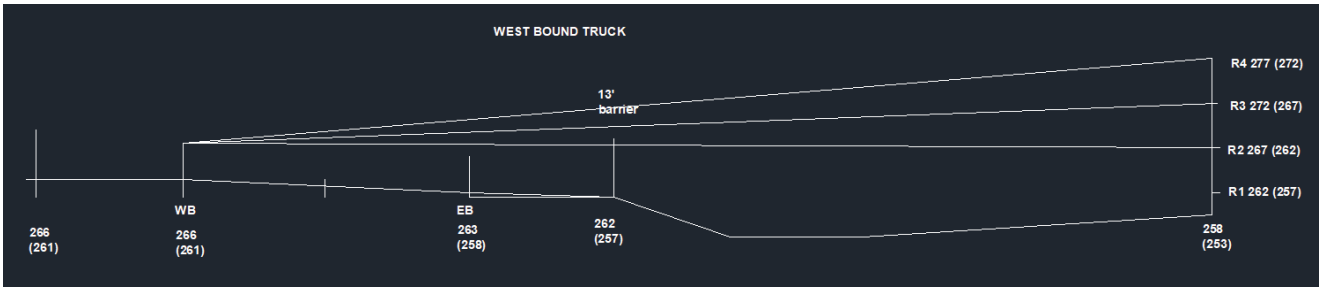


Figure 4: West Bound truck example. The barrier is ineffective for the top two receiving levels of Legends Park.

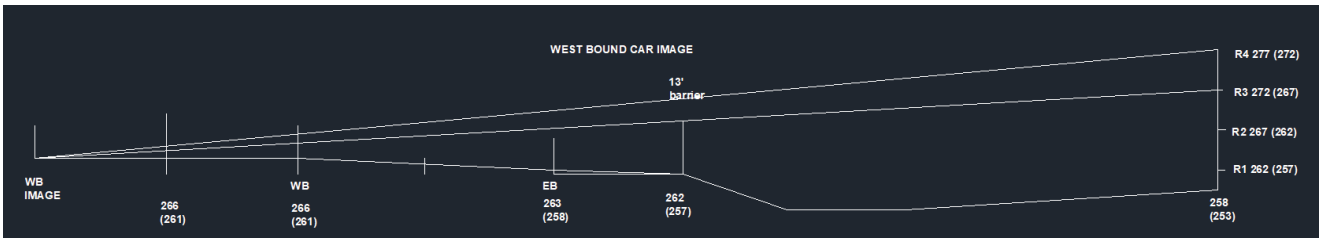


Figure 5: West Bound image car example. The barrier is ineffective for the top two receiving levels of Legends Park.

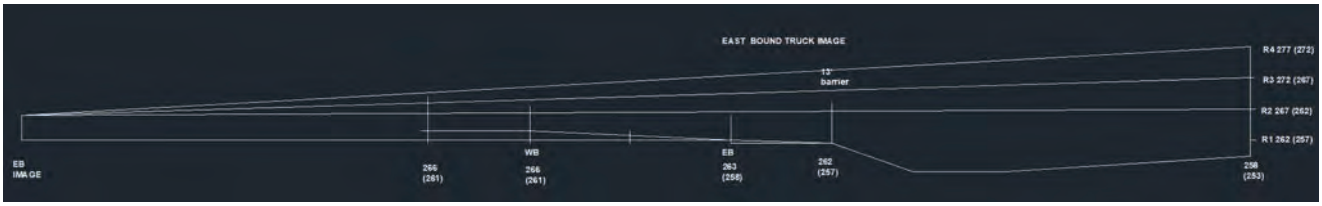


Figure 6: East Bound image truck example. The barrier is ineffective for the top two receiving levels of Legends Park, however it can be seen that the source passes over the left most barrier in the line of sight to R4, so there is no reflected image in the first place.

Building Facade Analysis

The building facade can be seen on the summary markup sheet and bedrooms consist of a wall and window, the living area includes a wall, window, and ventilation opening.

Exterior walls

Two types of exterior wall were evaluated for STC, which was used in the STraCAT model, shown in **Figure 7.**

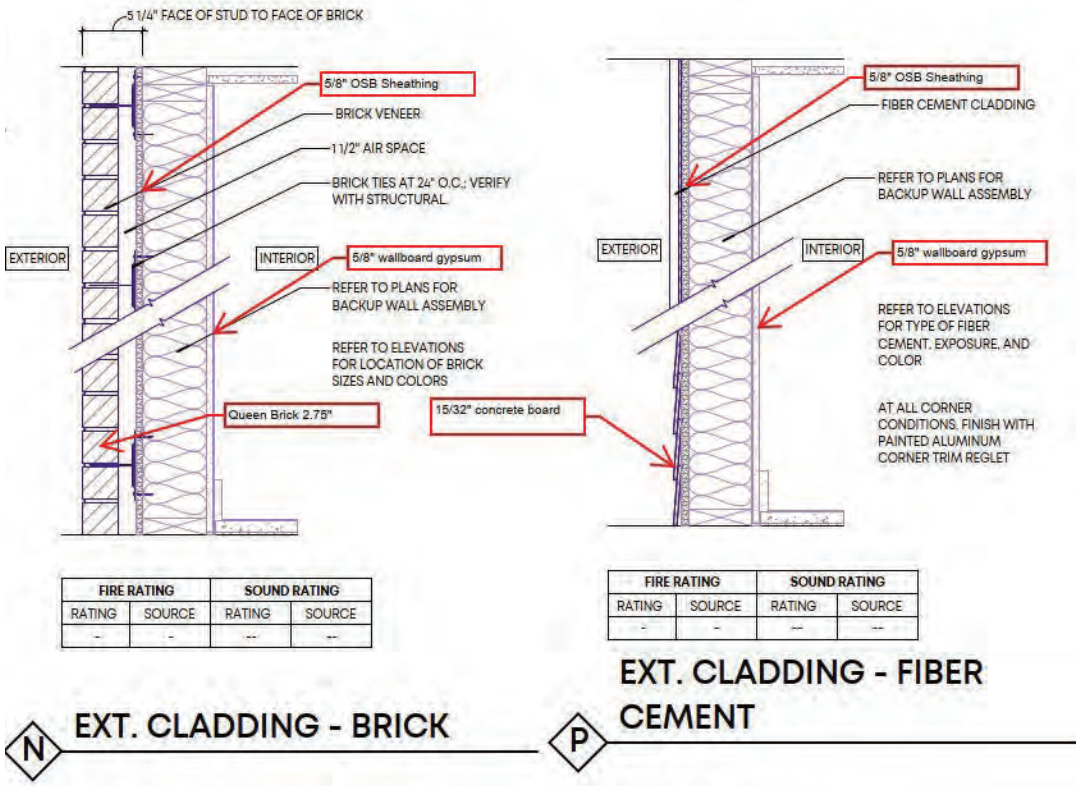


Figure 7: Exterior Building assemblies. Type N was assigned STC51 minimum, and Type P was assigned STC37 minimum. Neither of the assemblies are in the HUD STraCAT library. These estimates are conservative in our opinion.

STC values were assigned based on other assembly test reports from manufacturer data, NRCC and the 1980 California Guide (used by HUD), as well as the INSUL sound insulation software. It is believed that these estimates are reasonable.

Note that while the brick assembly (N) is significantly more robust than the cement board cladding assembly (P), the windows and HVAC openings (below) are significantly weaker and drive the composite STC of the assembly; there is not a significant difference between the final results for the two wall assemblies.

Windows

The windows used for the project are Ply Gem 1500 series. The STC test report is shown in Table 2 and the relevant windows we are considering for he project are STC 26, 27, and 31. For this project the STC 26 window is used as the basis of design, and any recommended upgrades utilize the STC 31 model.

PLY GEM WINDOWS

Ply Gem 1500

Sound

	Glass Construction				Sound Rating			
Product Type	Pane 1 Thickness	Pane 2 Thickness	Pane 3 Thickness	Overall IGU	STC	OITC	Test Standard	Test Report
Single Hung	2.5mm	2.5mm	NA	7/8"	26	20	ASTM E 60	ATI-C2232.01-113-11-r0
	3.0mm	3.0mm	NA	7/8"	27	21		
	3.0mm	5.0mm	NA	7/8"	31	26		
	3.0mm	Lami	NA	7/8"	31	25		
	2.5mm	2.5mm	2.5mm	7/8"	28	22		
	2.5mm	2.5mm	Lami	1"	32	27		
	3.0mm	3.0mm	3.0mm	7/8"	29	23		
	3.0mm	3.0mm	3.0mm	1"	29	23		
	3.0mm	3.0mm	Lami	1"	33	28		

Table 2: Ply Gem 1500 window STC data from manufacturer.

HVAC exterior ventilation.

The heating and cooling units specified for this project are Friedrich Vert-I Pak VHA18 and VHA24. The STC of a unit installed in a standard closet configuration is shown in **Table 3**. For reference, the unit distribution was provided as follows:

- 18kBTU VTAC-1 in units A1.1, A1.2, A1.3, A1.4, A1.5, and A1.6
- 24kBTU VTAC-2 in units A2.1, A2.2, B1.1, B1.2, and B1.3

The analysis uses the STC 24 option for simplicity.

Sound Data

Sound Power and STC					
MODEL		INDOOR (DBA)		OUTDOOR (DBA)	
	STC	HIGH COOL	LOW COOL	HIGH COOL	LOW COOL
VHA09	23	63.6	61.4	75.4	72.9
VHA12	23	63.0	60.8	75.3	72.7
VHA18	24	67.2	65.7	74.9	74.8
VHA24	25	67.8	66.4	78.5	72.7

Table 3: Friedrich Vert-I-Pak STC data from manufacturer's Service/Parts Manual. The units of interest are highlighted.

Results of DNL and STraCAT Anaysis

Using the HUD DNL Calculator online tool, each sound source (east bound, West bound, eastbound image and west bound image was determined based on the traffic counts in **Table 1** provided by TDOT. These results are shown in **Table 4**. Note that EB trucks (east bound) image is zero, as the wall is not tall enough to make a reflection to reach R4 (receiver 4th floor).

DNL (HUD Calculator)

source	cars	med truck	car+mtruck	heavy truck	Receiver #
EB	64	57	65	71	R1
	64	57	65	71	R2
	64	57	65	71	R3
	64	57	65	71	R4
WB	62	55	63	70	R1
	62	55	63	70	R2
	62	55	63	70	R3
	62	55	63	70	R4
EB image	59	52	60	66	R1
	59	52	60	66	R2
	59	52	60	66	R3
	59	52	60	0	R4
WB image	60	53	61	68	R1
	60	53	61	68	R2
	60	53	61	68	R3
	60	53	61	68	R4

Table 4: Individual vehicle sources and type at each building level receiver. Cars and medium trucks are combined logarithmically. The Receivers are identified in **Figure 2** along the north wall of the building.

The barrier input data for the HUD barrier Calculator and the resulting barrier attenuation effects for each source is shown in **Tables 5 and 6**. The table provides the input and output data. All elements providing zero attenuation have a clear line of sight to the receiver as per HUD Noise Guide Chapter 5.

Automobiles and Medium Trucks (at grade)

source	Receiver #	H	S	O	R1	D1	alpha	Barrier Attn
EB	1	275	263	262	32.5	131	180	-11.9
	2	275	263	267	32.5	131	180	-11.4
	3	275	263	272	32.5	131	180	-10.8
	4	275	263	277	32.5	131	180	-10.2
WB	1	275	266	262	97	131	180	-11.9
	2	275	266	267	97	131	180	-10.9
	3	275	266	272	97	131	180	-9
	4	275	266	277	97	131	180	0
EB image	1	275	263	262	227.5	131	180	-12.1
	2	275	263	267	227.5	131	180	-10.4
	3	275	263	272	227.5	131	180	0
	4	275	263	277	227.5	131	180	0
WB image	1	275	266	262	163	131	180	-11.6
	2	275	266	267	163	131	180	-10.1
	3	275	266	272	163	131	180	0
	4	275	266	277	163	131	180	0

Table 5: Automobile and Medium Truck Barrier attenuation based on source location and receiver location.

Heavy Trucks (8' above grade)

source	Receiver #	H	S	O	R1	D1	alpha	Barrier Attn
EB	1	275	271	262	32.5	131	180	-8.1
	2	275	271	267	32.5	131	180	-7.2
	3	275	271	272	32.5	131	180	-6.3
	4	275	271	277	32.5	131	180	0
WB	1	275	274	262	97	131	180	-9
	2	275	274	267	97	131	180	-7.5
	3	275	274	272	97	131	180	0
	4	275	274	277	97	131	180	0
EB image	1	275	271	262	227.5	131	180	-10.8
	2	275	271	267	227.5	131	180	-9.3
	3	275	271	272	227.5	131	180	0
	4	275	271	277	227.5	131	180	no image
WB image	1	275	274	262	163	131	180	-10.1
	2	275	274	267	163	131	180	-8.2
	3	275	274	272	163	131	180	0
	4	275	274	277	163	131	180	0

Table 6: Heavy Truck Barrier attenuation based on source location and receiver location. The red line indicates that there is no reflected image (and as a result no attenuation). This was determined graphically in **Figure 6**.

All of the barrier effects are applied to each source type and location, and then the attenuated levels are combined in **Table 7**.

DNL AFTER BARRIER INDIVIDUAL SOURCES

source	Cars+MT	Heavy Truck	Receiver #	DNL
EB	53.1	62.9	R1	63.3
	53.6	63.8	R2	64.2
	54.2	64.7	R3	65.1
	54.8	71	R4	71.1
WB	51.1	61	R1	61.4
	52.1	62.5	R2	62.9
	54	70	R3	70.1
	63	70	R4	70.8
EB image	47.9	55.2	R1	55.9
	49.6	56.7	R2	57.5
	60	66	R3	67.0
	60	0	R4	60.0
WB image	49.4	57.9	R1	58.5
	50.9	59.8	R2	60.3
	61	68	R3	68.8
	61	68	R4	68.8

Table 7: DNL of each source after barrier effects and the result of cars+ heavy trucks for each source location/receiver location.

Table 8 Provides the final summation for each receiver by floor. This result is the for the north facade of the building. Shielding effects and additional distance effects are noted on the summary markup sheet. Note that the exposure does not exceed 75dBA, which is the limit of "normally unacceptable".

DNL BY FLOOR NORTH WALL

Receiver #	North	East/West
R1	67	64
R2	68	65
R3	74	71
R4	75	72

Table 8: DNL by floor north wall used for facade evaluation

Field monitors were placed on site at ~ first floor elevation height in the building footprint and at Peach Ave at a similar height. The results over four days (1/10/2022 to 1/13/22) yielded:

- Building footprint DNL: 68,67,67, 65
- Peach Ave DNL: 67, 66, 68, 78

The above field data correlates well with the DNL calculation using the barrier image method.

Table 9 provides the input data for STraCAT and the needed window STC to meet the interior noise requirement. The STC values used are shown above in the **building facade analysis**. The yellow highlight indicates the receiver rooms requiring an upgrade in window STC to meet the HUD requirements. These results are indicated on the summary markup sheet.

Bedroom level	Wall Area sqft	Window Area sqft	NO VTAC	North	Shielded East/West	Window STC Needed	
						North	East/West
1	99	34		67	64	26	26
2	99	33		68	65	26	26
3	99	33		74	71	31	31
4	99	19		75	72	31	31

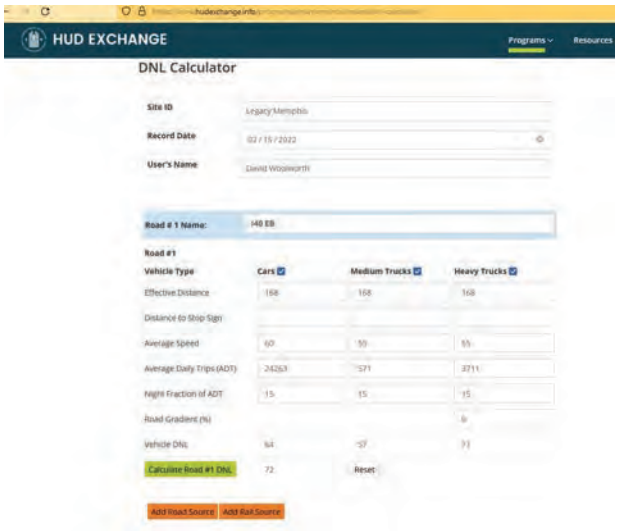
Living level	Wall Area sqft	Window Area sqft	VTAC	North	Shielded East/West	Window STC Needed	
						North	East/West
1	103.5	33	4.9	67	64	26	26
2	103.5	33	4.9	68	65	26	26
3	103.5	43	4.9	74	71	31	31
4	103.5	19	4.9	75	72	31	31

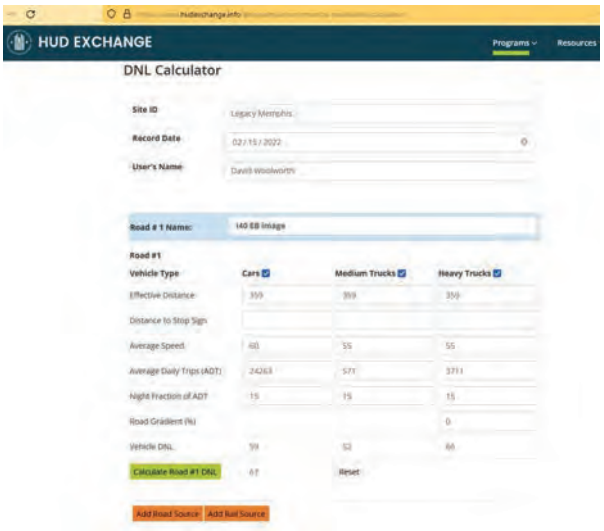
Table 9: Input Data for HUD STraCAT: includes areas in sqft of the building elements, DNL exposure, and window STC required.

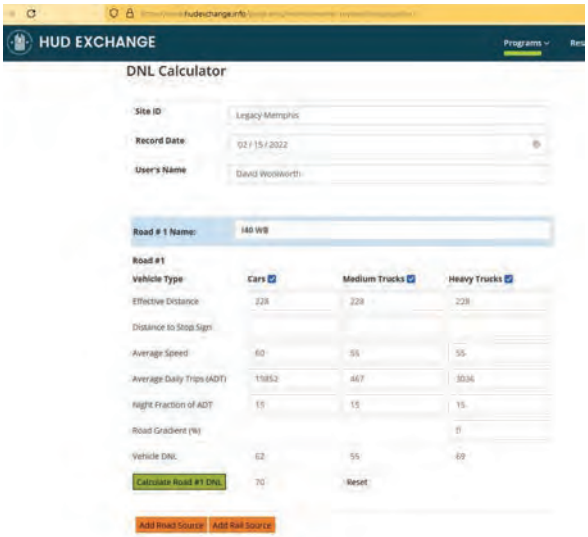
The following pages provide sample HUD calculations, reference elevations, and a markup of the building facade for DNL exposure and window modification.

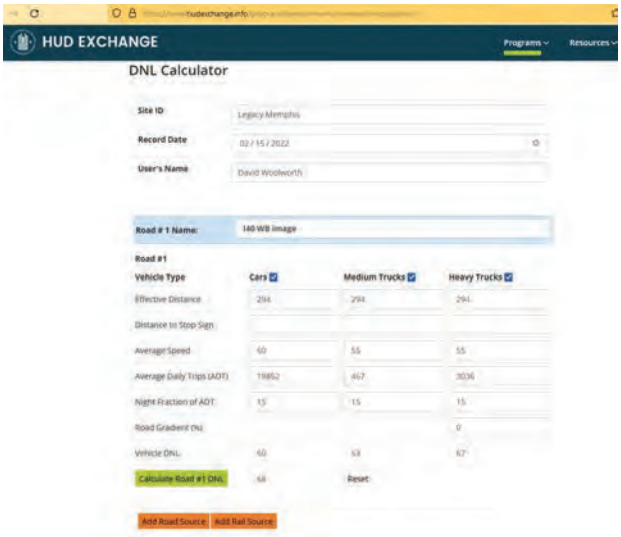
Based on the analysis above, the Legends Park housing project should meet HUD requirements for noise if the windows indicated on the markup are upgraded to STC 31. No other changes to the facade are needed.

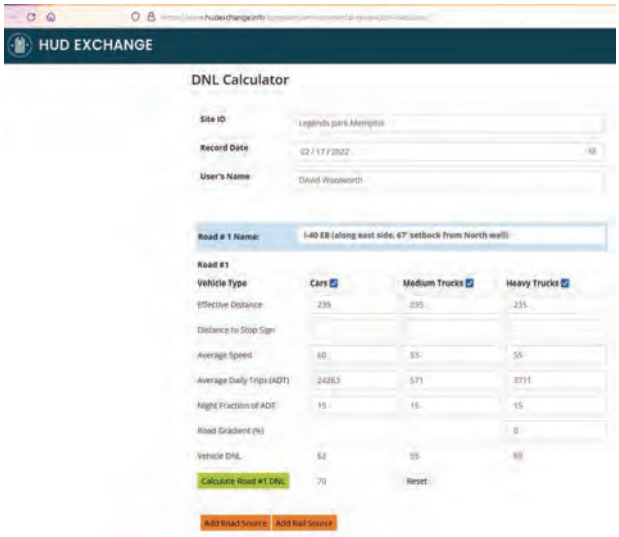
Sample DNL calculations











Sample DNL calculations for east bound, west bound, east bound image, west bound image, and east bound set back 67’ from north facade to evaluate distance reduction.

Sample STraCAT and Barrier Calculations

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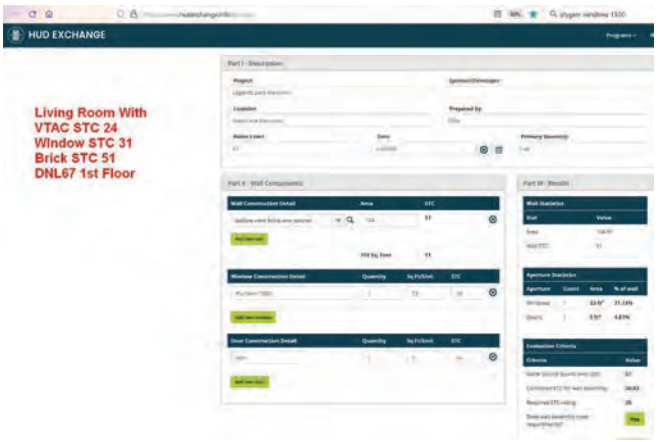
<td> 
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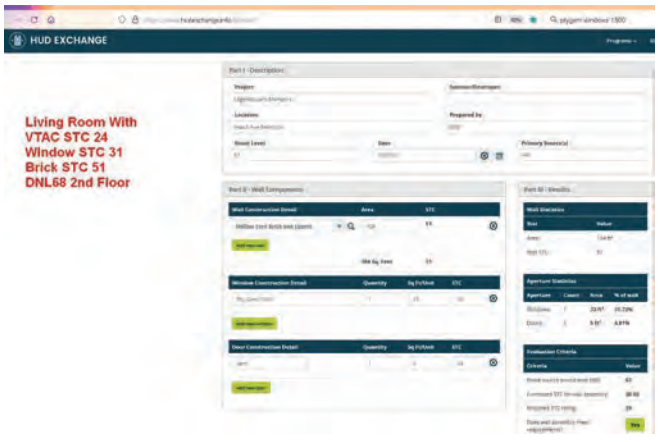
<td> 
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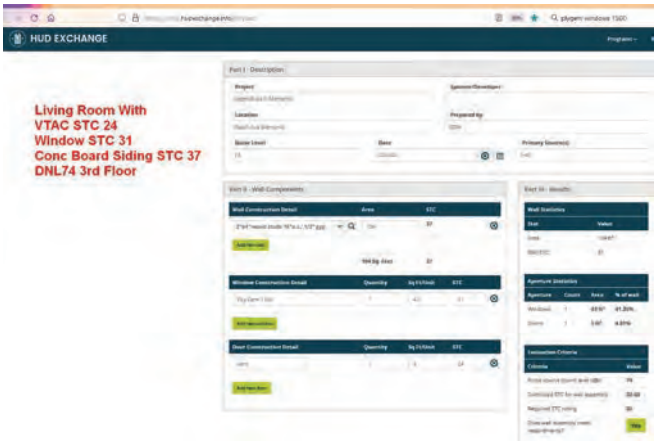
<td> 
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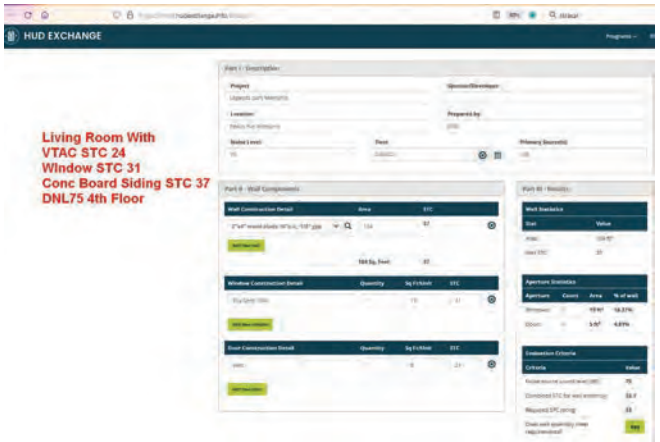
<td> 
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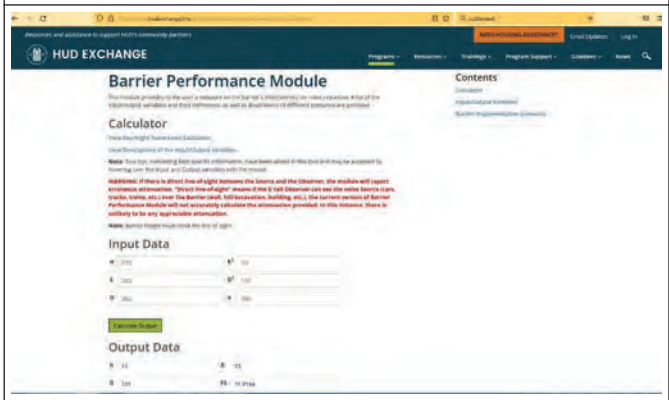
<td> 
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<td>Sample STraCAT calculations with a barrier module calculation. Note that the living rooms are brick facade on the 1st and 2nd floors.</td>
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PART 150 Indicating site not in noise contours for MEM

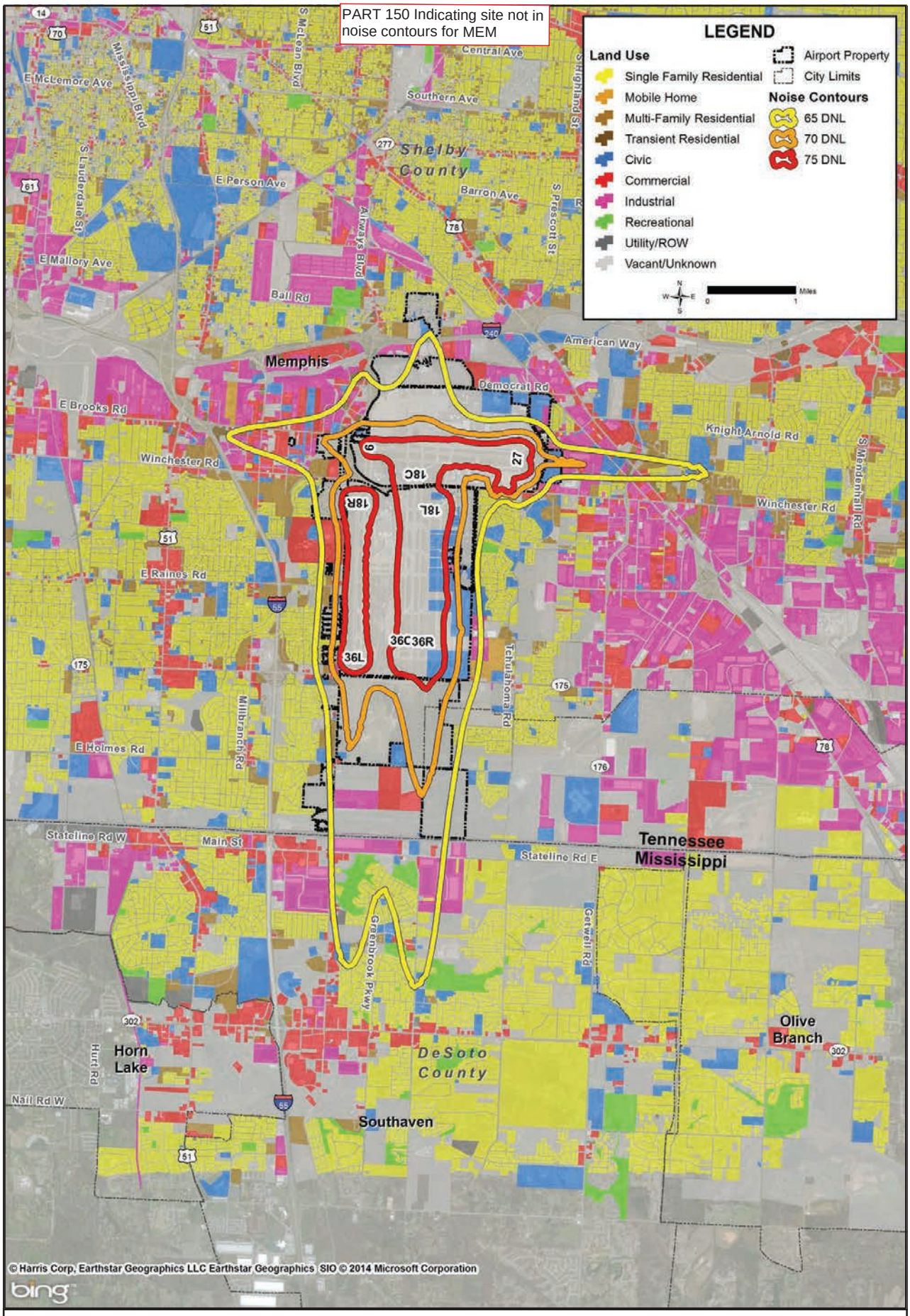


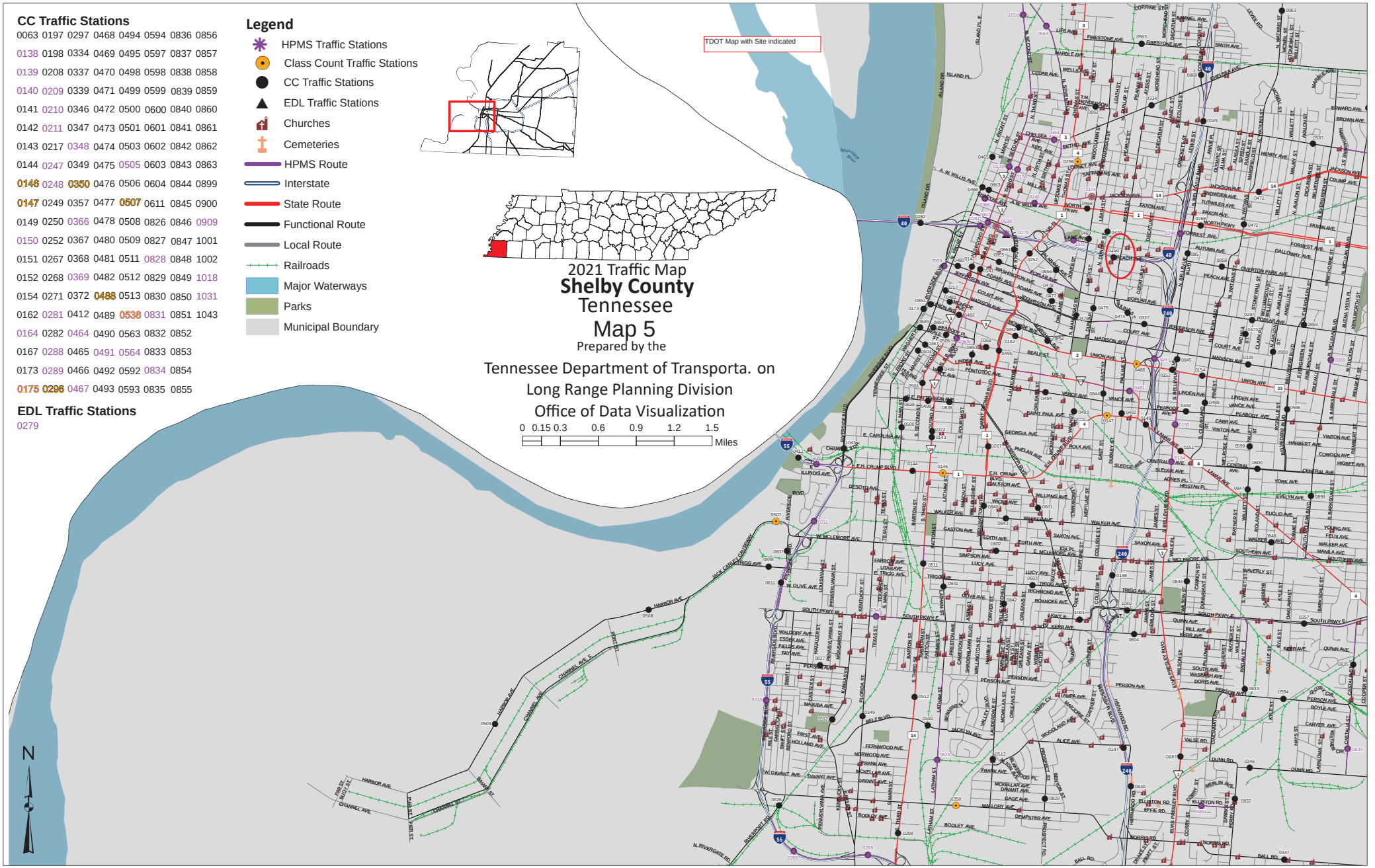
FIGURE ES.9

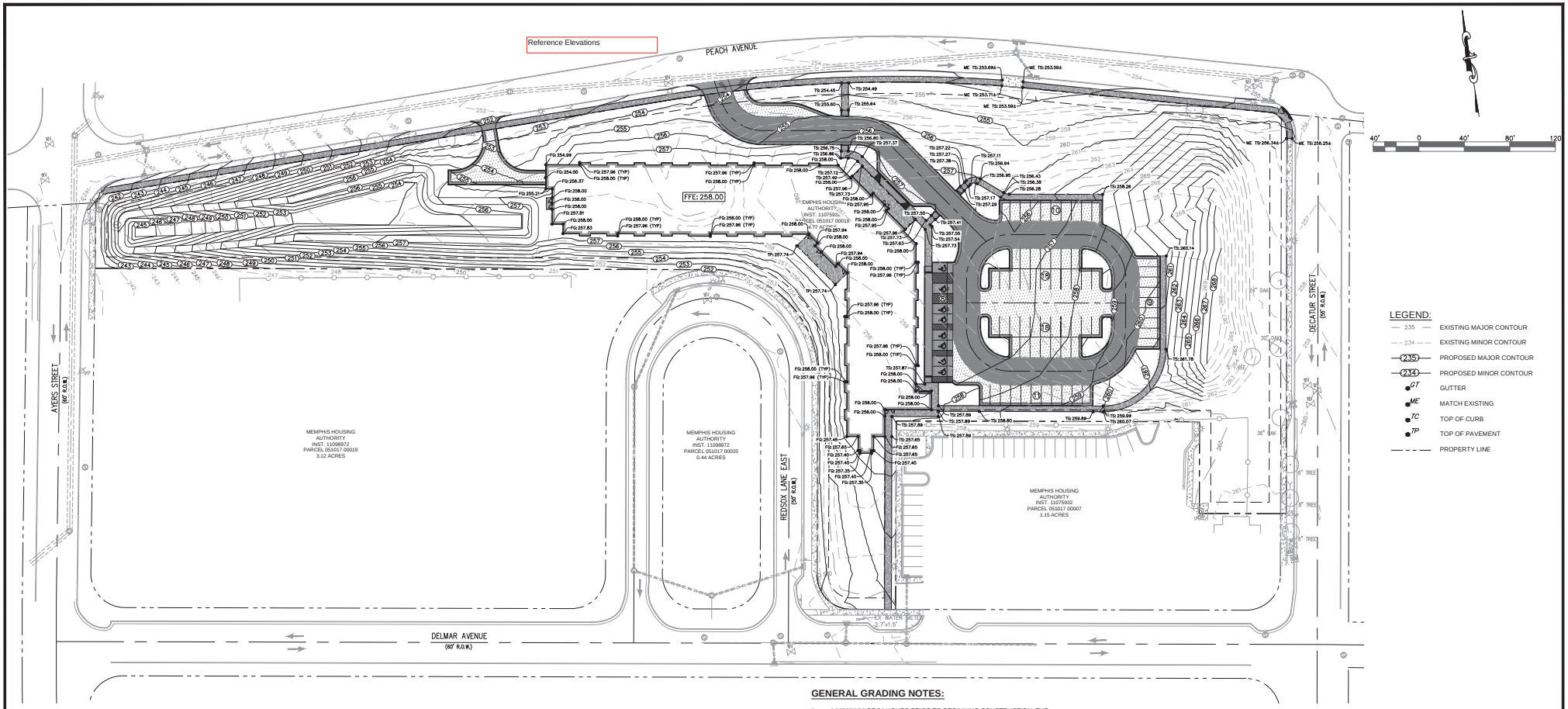
2020 FUTURE CONDITION
NOISE EXPOSURE MAP

Memphis International Airport

Part 150 NEM Update

URS


CC Traffic Stations
0063 0197 0297 0468 0494 0594 0836 0856
0138 0198 0334 0469 0495 0597 0837 0857
0139 0208 0337 0470 0498 0598 0838 0858
0140 0209 0339 0471 0499 0599 0839 0859
0141 0210 0346 0472 0500 0600 0840 0860
0142 0211 0347 0473 0501 0601 0841 0861
0143 0217 0348 0474 0503 0602 0842 0862
0144 0247 0349 0475 0505 0603 0843 0863
0146 0248 0350 0476 0506 0604 0844 0899
0147 0249 0357 0477 0507 0611 0845 0900
0149 0250 0366 0478 0508 0826 0846 0909
0150 0252 0367 0480 0509 0827 0847 1001
0151 0267 0368 0481 0511 0828 0848 1002
0152 0268 0369 0482 0512 0829 0849 1018
0154 0271 0372 0488 0513 0830 0850 1031
0162 0281 0412 0489 0538 0831 0851 1043
0164 0282 0464 0490 0563 0832 0852
0167 0288 0465 0491 0564 0833 0853
0173 0289 0466 0492 0592 0834 0854
0175 0296 0467 0493 0593 0835 0855
EDL Traffic Stations
0279
Legend
HPMS Traffic Stations
Class Count Traffic Stations
CC Traffic Stations
EDL Traffic Stations
Churches
Cemeteries
HPMS Route
Interstate
State Route
Functional Route
Local Route
Railroads
Major Waterways
Parks
Municipal Boundary
TDOT Map with Site indicated
2021 Traffic Map
Shelby County
Tennessee
Map 5
Prepared by the
Tennessee Department of Transporta. on
Long Range Planning Division
Office of Data Visualization
0 0.15 0.3 0.6 0.9 1.2 1.5
Miles
N



GENERAL GRADING NOTES:

1. A MIMINUM OF 24-HOURS PRIOR TO BEGINNING CONSTRUCTION, THE CONTRACTOR SHALL NOTIFY THE CITY OF MEMPHIS CONSTRUCTION INSPECTION OFFICE AT (901) 636-2462.
2. ALL NEWLY CUT OR FILLED AREAS, LACKING ADEQUATE VEGETATION, SHALL BE SEEDED, MULCHED, FERTILIZED AND/OR SODDED AS REQUIRED TO EFFECTIVELY CONTROL SOIL EROSION.
3. THE LOCATION OF EXISTING UNDERGROUND UTILITIES ARE APPROXIMATE AND NOT NECESSARILY ALL OF SAME. THE CONTRACTOR SHALL BE RESPONSIBLE FOR NOTIFYING THE UTILITY COMPANIES WHICH MAINTAIN A UTILITY LINE WITHIN THE BOUNDARIES OF THE PROJECT PRIOR TO THE INITIATION OF ANY CONSTRUCTION ON THE PROJECT OR IN THE STREETS BORDERING THE PROJECT. THE CONTRACTOR SHALL ALSO ASSUME FULL RESPONSIBILITY FOR DAMAGE TO NY UTILITIES ENCOUNTERED WITHIN CONSTRUCTION PERIMETERS, WHETHER SHOWN ON THE CONSTRUCTION PLANS OR NOT, DURING THE WORK ON THE PROJECT. FOR SITE LOCATION OF EXISTING UTILITIES INVOLVING MLG&W, SOUTH CENTRAL BELL, AND/OR TEXAS GAS COMPANY, CALL 1-800-351-1111. FOR SEWER LOCATIONS CALL 529-8025.
4. CONTRACTOR SHALL MAINTAIN ACCESS TO ALL PROPERTIES.
5. ALL FILL SOILS SHALL BE COMPACTED TO A MINIMUM OF 95% OF STANDARD PROCTOR DENSITY (ASTM D-698) WITHIN 3% OF OPTIMUM MOISTURE CONTENT IN LIFTS NOT TO EXCEED SIX (6) INCHES OF COMPACTED THICKNESS.
6. ALL CONSTRUCTION MATERIALS AND PROCEDURES SHALL MEET OR EXCEED THE REQUIREMENTS OF THE CITY OF MEMPHIS STANDARD CONSTRUCTION SPECIFICATIONS.
7. PROPERTY LINES SHALL BE FIELD VERIFIED PRIOR TO CONSTRUCTION. GRADING, CLEARING AND THE ERECTION OR REMOVAL OF FENCES ALONG PROPERTY LINES SHALL BE FULLY COORDINATED WITH ADJACENT PROPERTY OWNERS.
8. VERIFY SITE CONDITIONS PRIOR TO CONSTRUCTION. NOTIFY THE CITY OF MEMPHIS CONSTRUCTION INSPECTION OFFICE ENGINEER OF ANY VARIATIONS PRIOR TO COMMENCEMENT OF WORK.
9. ALL GRADING WORK SHALL BE PERFORMED IN SUCH A MANNER THAT ADJACENT PROPERTIES ARE NOT DAMAGED OR ADVERSELY AFFECTED.
10. LOT DRAINAGE: FINISH GRADE SHALL BE SLOPED AWAY FROM THE FOUNDATION FOR DRAINAGE. THE FINISH GRADE MUST BEGIN AT LEAST 12-INCHES BELOW THE TOP OF THE FOUNDATION WALL OR THE GRADE OF THE CONCRETE SLAB AND FOUNDATION. THE MINIMUM GRADE AWAY FROM THE FOUNDATION SHALL BE TWO PERCENT (2%) IN ALL DIRECTIONS. THE DRIVEWAY SHALL BE SLOPED DOWN AT TWO PERCENT (2%) FOR AT LEAST EIGHT FEET FROM THE STRUCTURE.

FEMA NOTE:
THIS PROPERTY IS LOCATED IN "ZONE X" AS DEFINED BY FEMA TO BE OUTSIDE THE 0.2% ANNUAL CHANCE FLOODPLAIN.
FLOOD INSURANCE RATE MAP (FIRM): 47157C 0270F
DATED: SEPTEMBER 28, 2007
BFE=232.00'

REVISION		
ITEM NO.	DESCRIPTION OF CHANGE	APPROVAL DATE

LEGENDS PARK SENIOR BUIDLING

DEVELOPER: PENNROSE
ENGINEER: ENSAFE

C-6

SHEET 1 OF 1

DIVISION OF ENGINEERING

GRADING PLAN

MEMPHIS, TN

SURVEY BARGE DESIGN SOLUTIONS DATE 07/06/20 BOOK
DRAFTED BY ENSAFE DATE 09/10/20 SCALE 1" = 40'
DESIGN BY ENSAFE DATE 09/10/20 CHECKED DAD

REVIEWED

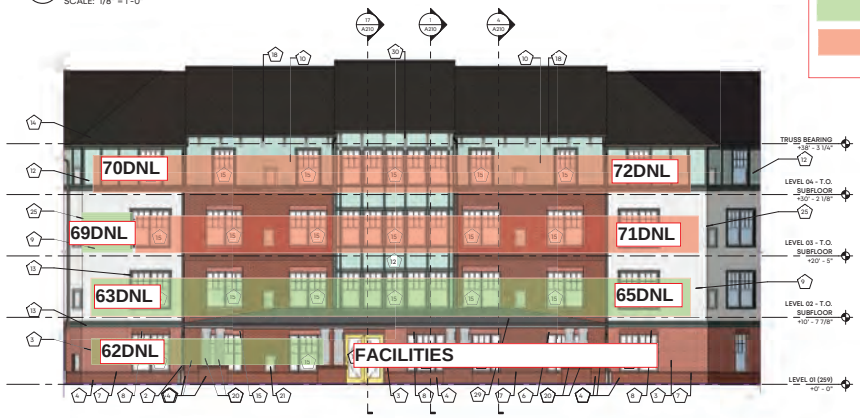
DEPUTY CITY ENGINEER DATE CITY ENGINEER DATE

R:\Penprose\27484 Legends Park Senior Building\03 Project Exec (Working drawings for project)\CAD\01 Master (Design Sheets)\C-6 GRADING PLAN.dwg 9/9/2020 3:27:47 PM

MATERIAL LEGEND	
SYMBOL	DESCRIPTION
1	K PROFILE GUTTER, DARK BRONZE, TYP.
2	ALUMINUM DOWNSPOUT, DARK BRONZE
3	QUEEN SIZE FACE BRICK TBD
4	QUEEN SIZE FACE BRICK ACCENT TBD
5	QUEEN SIZE FACE BRICK - ROWLOCK T.B.D.
6	KING SIZE FACE BRICK - SOLDIER COURSE T.B.D.
7	QUEEN SIZE FACE BRICK ACCENT - ROWLOCK T.B.D.
8	KING SIZE FACE BRICK ACCENT - SOLDIER COURSE CUT TO COURSING T.B.D.
9	FIBER CEMENT BOARD - 4" EXPOSURE LAP SIDING - COLOR A
10	FIBER CEMENT BOARD - 4" EXPOSURE LAP SIDING - COLOR B
11	FIBER CEMENT BOARD - 4" EXPOSURE LAP SIDING - COLOR C
12	FIBER CEMENT BOARD - PANEL WITH 1X4 FIBER CEMENT BATTENS - COLOR D
13	FIBER CEMENT TRIM - 1x SMOOTH TRIM - COLOR D; REFER TO DETAILS FOR SIZES
14	SHINGLE ROOFING - COLOR TBD
15	VINYL WINDOWS MULLED TOGETHER, DOUBLE GLAZED AND THERMALLY BROKEN. REFER TO PLANS AND WINDOW SCHEDULE FOR SIZES
16	GLAZED INSULATED HOLLOW METAL DOOR. REFER TO PLANS AND DOOR SCHEDULE FOR SIZES
17	STEPPED BRICK. REFER TO WALL SECTIONS AND DETAILS
18	DECORATIVE BRACKET, BOD FYPON BKT25X27
20	8" TALL SPLIT-PANEL COLUMNS, BASIS OF DESIGN INTEX CRE8BS-42
21	MECHANICAL VENT WITH LOUVERS. COLOR TO MATCH ADJACENT MATERIAL. ALL VERTICAL VENTS TO ALIGN
22	FIBER CEMENT BOARD - PANEL WITH 1X4 FIBER CEMENT BATTENS - COLOR E
23	DECORATIVE RAFTER TAILS, PAINTED. BOD: FYPON SLANTED RAFTER TAIL, BMRTSL4x8x24RSPF
24	FIBER CEMENT TRIM - 1x SMOOTH TRIM - COLOR F; REFER TO DETAILS FOR SIZES
25	ALUMINUM REGLET CORNER TRIM AT CONTINOUS LAP SIDING
26	CRAFTSMAN STYLE WOOD-CLAD OVERHEAD DOOR. REFER TO PLANS AND DOOR SCHEDULE FOR SIZES
27	TRASH CHUTE VENT CAP
28	DECORATIVE BRACKET AND BEAM, TYP
29	STANDING SEAM METAL ROOF
30	DECORATIVE BRACKET, BOD FYPON BKT36X36X4
31	DECORATIVE BRACKET, BOD INTEX RTA1224/PT-8 25 / A202
32	INSULATED METAL ROLL UP DOOR

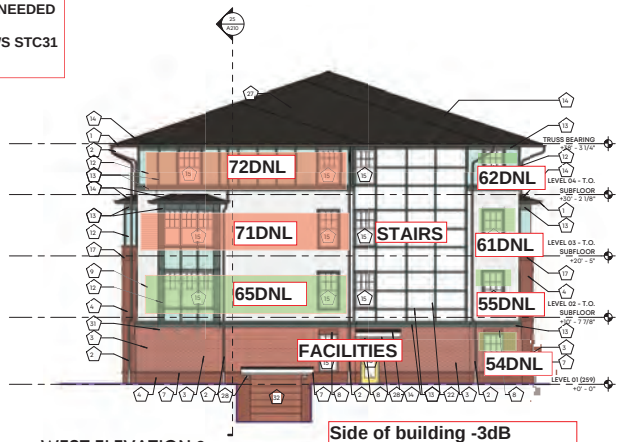
1 EAST ELEVATION
SCALE: 1/8" = 1'-0"

FACADE KEY:
- NO MODIFICATION NEEDED
- UPGRADE WINDOWS STC31



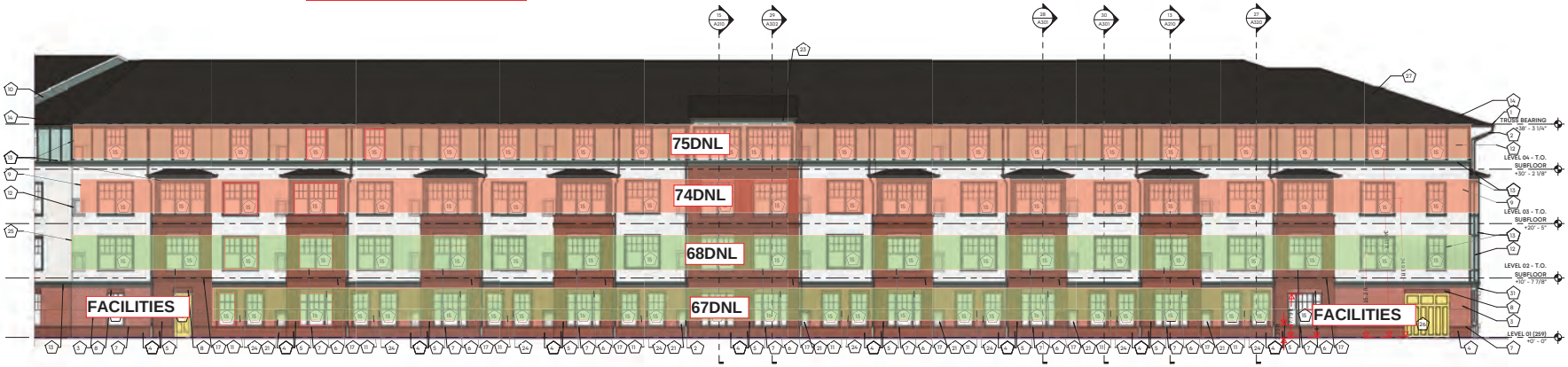
13 NORTHEAST ELEVATION
SCALE: 1/8" = 1'-0"

Side of building -3dB
Distance Effects



16 WEST ELEVATION 2
SCALE: 1/8" = 1'-0"

Side of building -3dB
Shielded -10dB (+distance)



25 NORTH ELEVATION
SCALE: 1/8" = 1'-0"

LRK
Public Ledger Building, Suite 756
150 S. Independence Mall West
Philadelphia, PA 19106
267.804.7040

Client:

PENNROSE
Bricks & Mortar | Heart & Soul
3800 St. Elmo Avenue, Suite 204
Chattanooga, TN 374099

Issues and Revisions

Date	Issued / Revised
02.02.21	100% Design Development

2022-02-18
RWA 20-032
Legends Park HUD Noise Analysis
Elevation Markup DNL and Facade Modifications
By: DSW

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Seal

02/02/21
FOR REVIEW ONLY - NOT FOR CONSTRUCTION

LRK Project Number: 03.20016.00

Project Name:
Legends Park

Peach Ave
Memphis, TN 38105

Drawing Name:
BUILDING ELEVATIONS

Drawn By: KER
Checked By: KOB

A202

Attachment 10
USFWS Correspondence

February 10, 2022

U.S. Fish and Wildlife Service
Tennessee Ecological Services Field Office
446 Neal Street
Cookeville, TN 38501-4027

via email: <TennesseeES@FWS.gov>

Re: Legends Park Subdivision — Memphis, Tennessee
No Effect Determination Acknowledgement Request

To Whom It May Concern:

EnSafe has conducted a Phase I Environmental Site Assessment for a parcel located south of Peach Avenue and north of Delmar Avenue, east of Ayers Street, and west of Decatur Street in Memphis, Shelby County, Tennessee (the Site). The goal of the Phase I Environmental Site Assessment Report was to identify evidence of recognized environmental conditions, including the identification of any critical habitat designated by the U.S. Fish and Wildlife Service for threatened species and endangered species under the Endangered Species Act (ESA). The proposed project will construct a multi-unit housing facility for senior citizens within the footprint indicated in Attachment A. Due to the lack of suitable habitat present at the site for ESA-listed species, it is EnSafe's determination that the project's actions will not affect any ESA-listed species or designated critical habitat (i.e., "no effect" determination). EnSafe is requesting the U.S. Fish and Wildlife Service's acknowledgment of the determination that the proposed action will not affect a listed species or designated critical habitat.

Respectfully submitted,

EnSafe Inc.

By: Aaron Conti, CE, PWS
Ecologist / Environmental Scientist

Enclosures:
Attachment A — Site Location and Vicinity Maps
Attachment B — Photo Log
Attachment C — Official Species List

Aaron Conti

From: Sykes, Robbie <robbie_sykes@fws.gov>
Sent: Tuesday, February 15, 2022 3:39 PM
To: Allison Harris
Cc: Aaron Conti
Subject: Re: [EXTERNAL] USFS Concurrence Request Letter 021022.pdf

Allison,

Although we can only provide concurrence to species determinations when they come from the lead federal agency, and we can not officially concur with a no effect determination, we do acknowledge the no effect determination that Ensafe has made for the proposed multi-housing facility for senior citizens at a parcel located south of Peach Avenue and north of Delmar Avenue, east of Ayers Street, and west of Decatur Street in Memphis, Shelby County, Tennessee.

Our database does not indicate any federally listed species in the vicinity of the project site, and we have no concerns.

Sincerely,

Robbie Sykes
Fish and Wildlife Biologist
U.S. Fish and Wildlife Service
446 Neal Street
Cookeville, TN 38501
(tele. 931/525-4979)

From: Sykes, Robbie <robbie_sykes@fws.gov> on behalf of Tennessee ES, FWS <tennesseeES@fws.gov>
Sent: Tuesday, February 15, 2022 3:36 PM
To: Sykes, Robbie <robbie_sykes@fws.gov>
Subject: Fw: [EXTERNAL] USFS Concurrence Request Letter 021022.pdf

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From: Allison Harris <aharris@Ensafe.com>
Sent: Thursday, February 10, 2022 4:37 PM
To: Tennessee ES, FWS <tennesseeES@fws.gov>
Cc: Aaron Conti <aconti@Ensafe.com>
Subject: [EXTERNAL] USFS Concurrence Request Letter 021022.pdf

This email has been received from outside of DOI - Use caution before clicking on links, opening attachments, or responding.

Attached please find a No Effect Determination Acknowlegement Request for a parcel at Legends Park in Memphis, Tennessee.

Please let Aaron Conti or me know if you have any comments or questions.

Allison Harris, PG
EnSafe Inc./MSEnSafe
5724 Summer Trees Drive
Memphis, Tennessee 38134
(901) 372-7962 telephone
(901) 372-2454 fax
(901) 395-6619 cell

Attachment 11
Sole-Source Aquifers

Designated Sole Source Aquifers in EPA Region IV

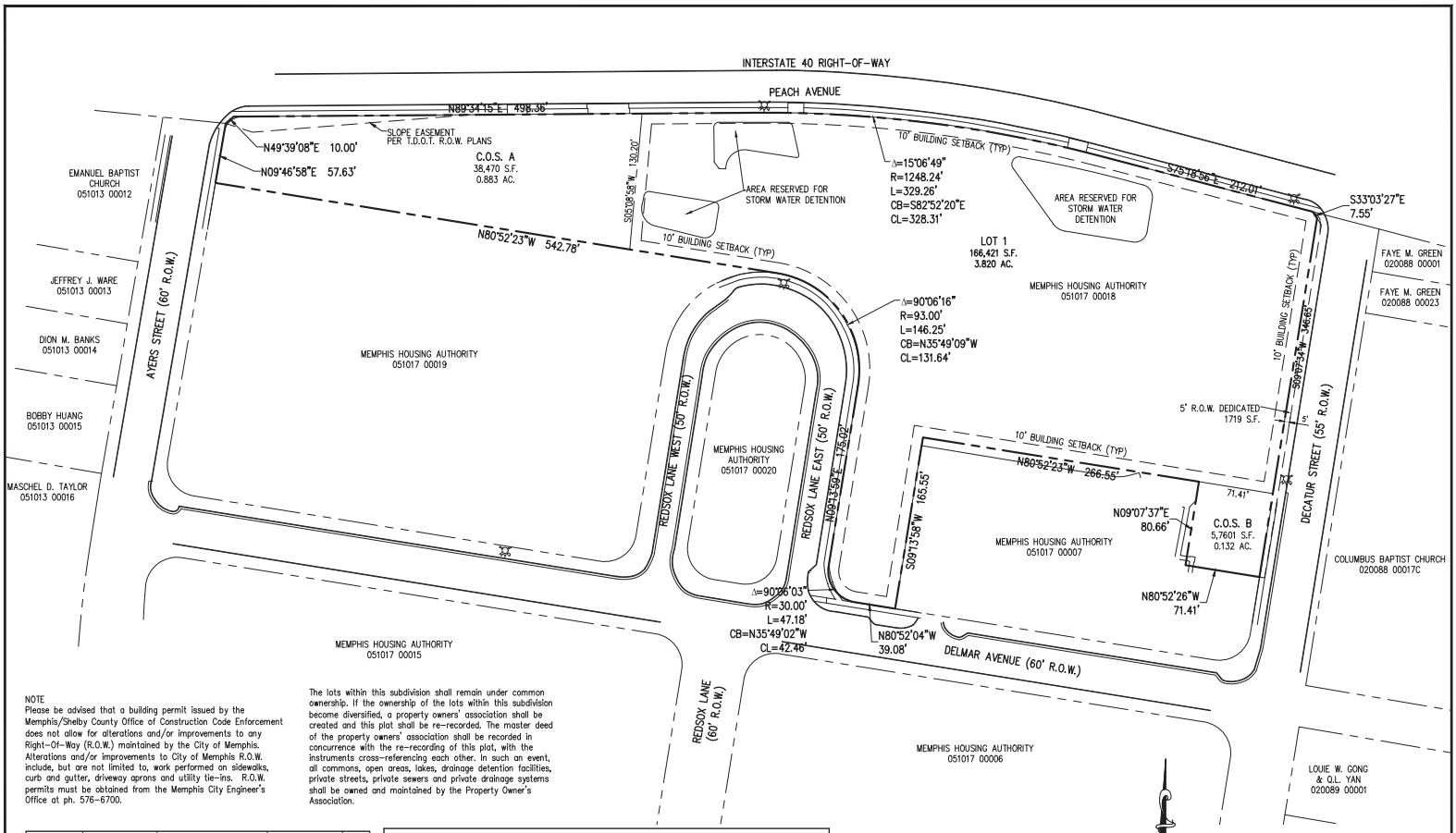
Alabama, Florida, Georgia, Kentucky, Mississippi, North Carolina, South Carolina, Tennessee

The 3 Sole Source Aquifer designations in Region IV are listed below. Contact the Regional Sole Source Aquifer coordinator for more information.

Lois Hill
US EPA Region IV, Water Division
61 Forsyth St., SE
Atlanta, GA 30303-3104
phone: (404)562-9472
email: hill.lois@epa.gov

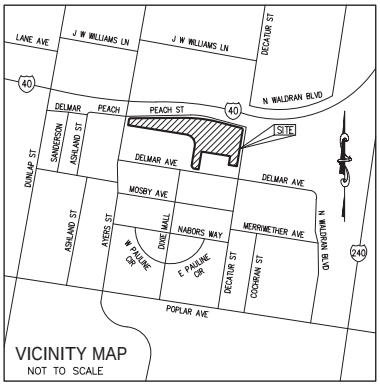
DESIGNATED SOLE SOURCE AQUIFERS IN REGION IV:

State	Sole Source Aquifer Name	Federal Register Cit.	Public. Date	GIS map
FL	Biscayne Aquifer, Broward, Dade, Monroe & Palm Beach Counties	44 FR 58797	10/11/79	no
FL	Volusia-Floridan Aquifer, Flagler & Putnam Counties	52 FR 44221	11/18/87	no
*LA/MS	Southern Hills Regional Aquifer System	53 FR 25538	07/07/88	no



NOTE
Please be advised that a building permit issued by the Memphis/Shelby County Office of Construction Code Enforcement does not allow for alterations and/or improvements to any Right-Of-Way (R.O.W.) maintained by the City of Memphis. Alterations and/or improvements to City of Memphis R.O.W. include, but are not limited to, work performed on sidewalks, curb and gutter, driveway aprons and utility tie-ins. R.O.W. permits must be obtained from the Memphis City Engineer's Office at ph. 576-6700.

The lots within this subdivision shall remain under common ownership. If the ownership of the lots within this subdivision become diversified, a property owners' association shall be created and this plat shall be re-recorded. The master deed of the property owners' association shall be recorded in concurrence with the re-recording of this plat, with the instruments cross-referencing each other. In such an event, all commons, open areas, lakes, drainage detention facilities, private streets, private sewers and private drainage systems shall be owned and maintained by the Property Owner's Association.



VICINITY MAP
NOT TO SCALE

REQUIRED SIDEWALKS				
STREET	SIDEWALK WIDTH	SIDE	LOCATION	GRASS STRIP WIDTH
AYERS STREET	5' EXISTING	SOUTH	AT R.O.W. LINE	6.5' EXISTING
PEACH AVENUE	5' EXISTING	EAST	AT R.O.W. LINE	5' EXISTING
DECATUR STREET	5' PROPOSED	EAST	AT R.O.W. LINE	6' PROPOSED
DELMAR AVENUE	5' EXISTING	EAST	AT R.O.W. LINE	VARIES
RED SOX LANE EAST	5' EXISTING	BOTH	AT R.O.W. LINE	6.5' EXISTING

THE REQUIRED SIDEWALKS SHALL BE INSTALLED ACROSS THE FRONTAGES OF EACH LOT BY THE BUILDING PERMIT HOLDER PRIOR TO USE AND OCCUPANCY OF THE BUILDING. EXISTING SIDEWALKS SHALL BE REPAIRED AS NECESSARY BY THE BUILDING PERMIT HOLDER ACROSS THE LOT FRONTAGE PRIOR TO THE OCCUPANCY OF THE BUILDING.

CITY BENCHMARK:
CITY OF MEMPHIS BENCHMARK #1830 LOCATED ON THE NORTHEAST CORNER OF POPLAR AVE AND AYERS ST, SET 5-31-2005. GLUED TO SIDEWALK, 9.5' SOUTH OF ER ON AYERS ST.
ELEV: 248.75

FLOOD HAZARD STATEMENT
BY GRAPHIC DETERMINATION ONLY, THE SUBJECT PROPERTY IS NOT LOCATED WITHIN THE LIMITS OF A "SPECIAL FLOOD HAZARD AREA" PER FIRM/ FEMA MAP NUMBER 47157C0270 F FOR SHELBY COUNTY, TENNESSEE WITH AN EFFECTIVE DATE OF SEPTEMBER 28, 2007.

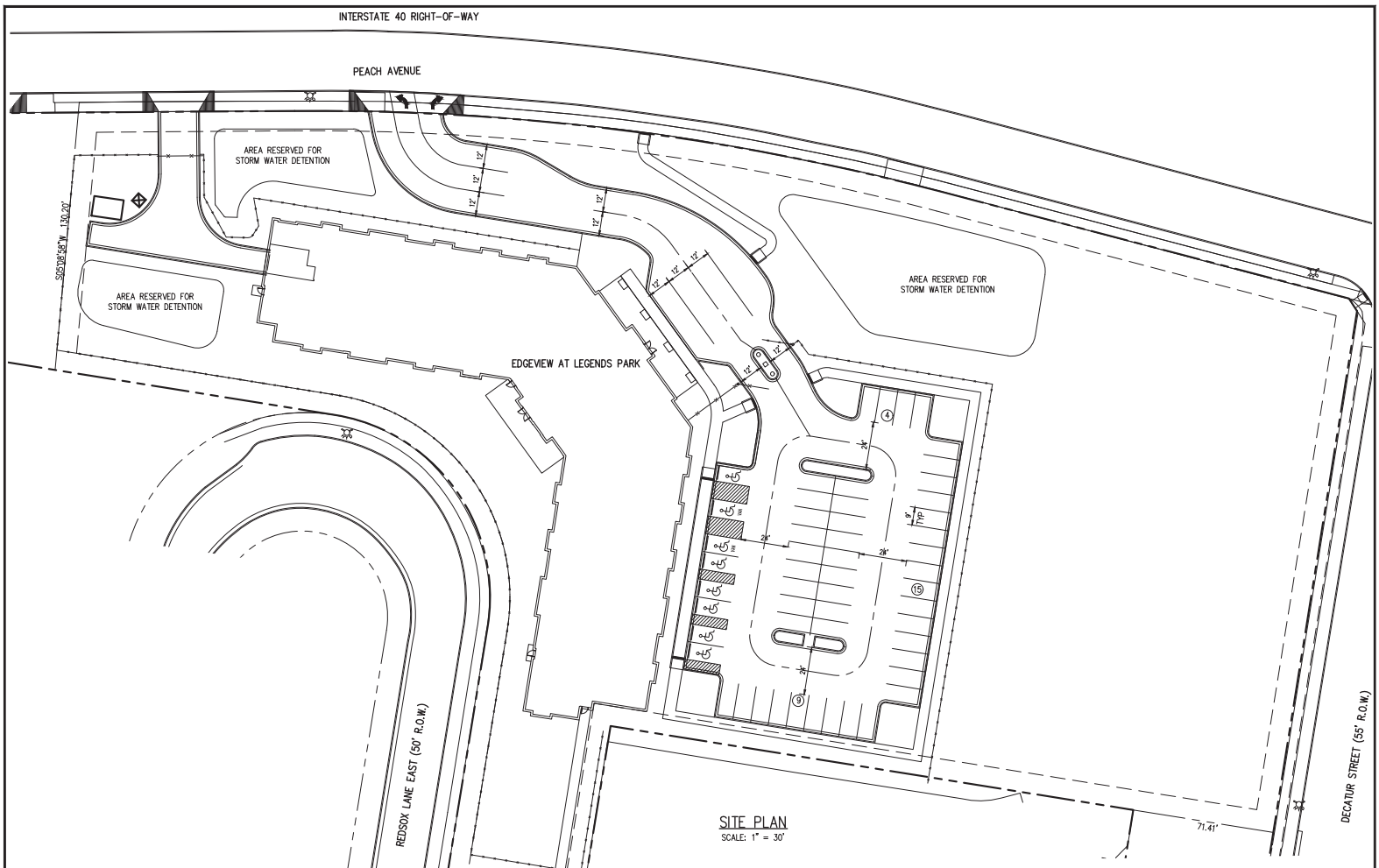
NOTE:
THE CITY OF MEMPHIS SHALL HAVE INGRESS/EGRESS RIGHTS TO USE PRIVATE DRIVES AND YARDS FOR THE PURPOSE OF MAINTAINING ALL PUBLIC SEWER LINES AND SHALL BEAR NO RESPONSIBILITY FOR THE MAINTENANCE OF SAID PRIVATE DRIVES AND YARDS. NO TREES, SHRUBS, PERMANENT STRUCTURES, OR OTHER UTILITIES (EXCEPT FOR CROSSINGS) WILL BE ALLOWED WITHIN SANITARY SEWER EASEMENTS. NO OTHER UTILITIES OR SERVICES MAY OCCUPY SANITARY SEWER EASEMENTS IN PRIVATE DRIVES AND YARDS EXCEPT FOR CROSSINGS.

FINAL PLAT

PHASE 6 - BLOCK "A" LEGENDS PARK P.D.

NORTH OF DELMAR AVENUE BETWEEN AYERS STEET AND DECATUR STREET

ZONING: RU-3		P.D. 07-338
MEMPHIS, TENNESSEE		
NUMBER OF LOTS: 3	ACREAGE: 4.836	WARD/BLOCK/PARCEL NUMBER: 051 017 00018
DEVELOPER: MEMPHIS HOUSING AUTHORITY 700 ADAMS AVENUE MEMPHIS, TN 38105-5002		ENGINEER: BARGE DESIGN SOLUTIONS 60 Germantown Court // Suite 100 // Memphis, Tennessee 38018 PHONE (901) 755-7166 // FAX (901) 755-7944
100 YEAR FLOOD ELEVATION: 232.0	FEMA MAP PANEL NUMBER: 47157C0270F	FEMA MAP DATE: SEPTEMBER 28, 2007
DATE: JUNE, 2022	SCALE: 1"=60'	SHEET 1 OF 9



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Appendix F
Photo Log

PHOTO NO. 1 **DESCRIPTION:**	View looking west across the subject property from the east; note the Legends Park Subdivision (Legends Park) apartments visible in the background.

PHOTO NO. 2 **DESCRIPTION:**	View looking southeast toward Decatur Street from the northeast portion of the subject property; note the discarded automobile tire (red arrow). The east-adjoining church is shown beyond Decatur Street.

PHOTO NO. 3 **DESCRIPTION:**	View looking south toward the south-adjoining Legends Park Subdivision townhomes.

PHOTO NO. 4 **DESCRIPTION:**	View from the center of the subject property looking north toward Peach Avenue with I-40 beyond.

PHOTO NO. 5 **DESCRIPTION:**	View looking east across the subject property from the west.

PHOTO NO. 6 **DESCRIPTION:**	View looking south toward the south-adjoining Legends Park apartments from the western portion of the subject property.

PHOTO NO. 7 **DESCRIPTION:**	View looking south from the south portion of the subject property toward Delmar Avenue and along Red Sox Lane (right).

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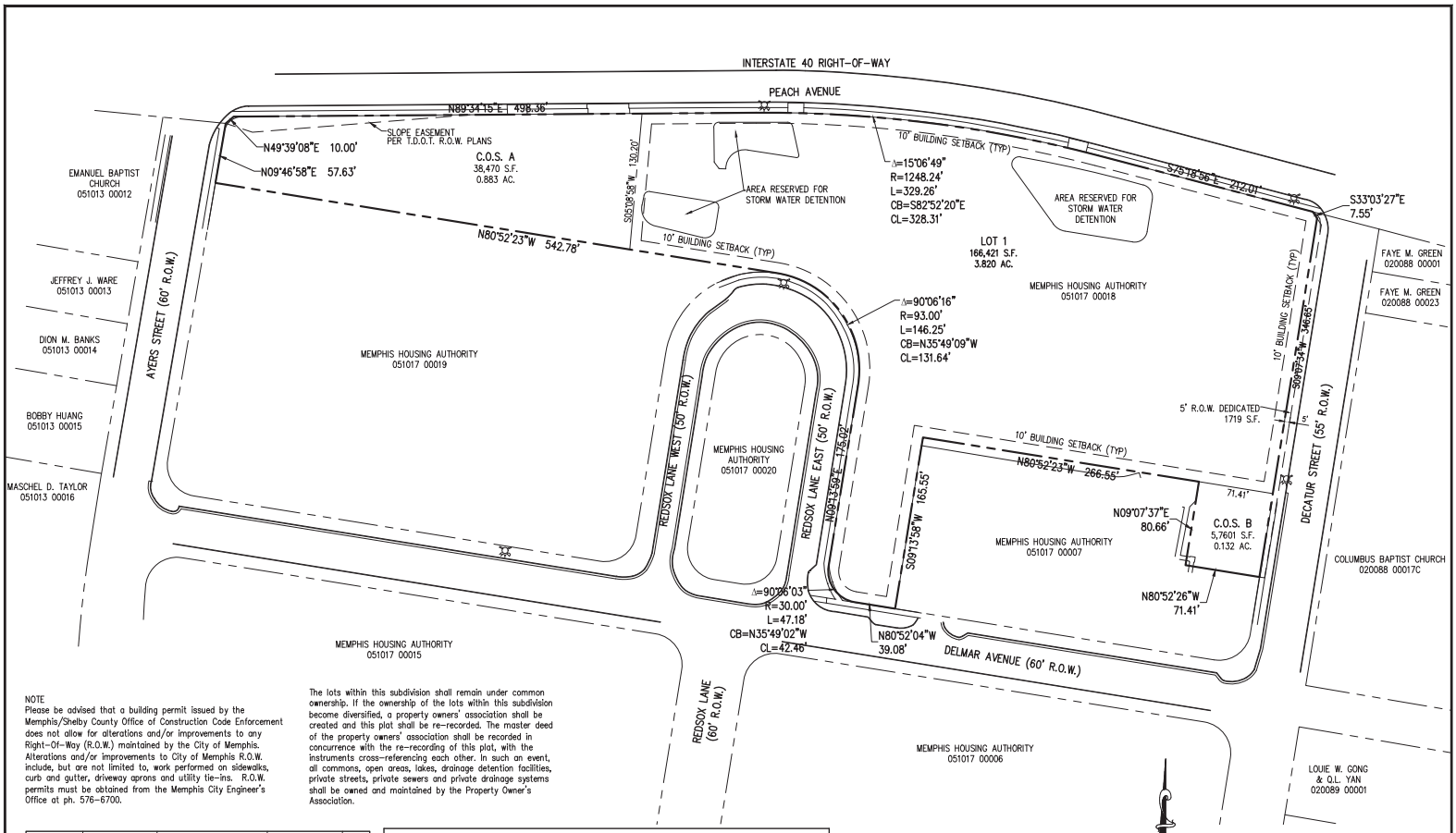

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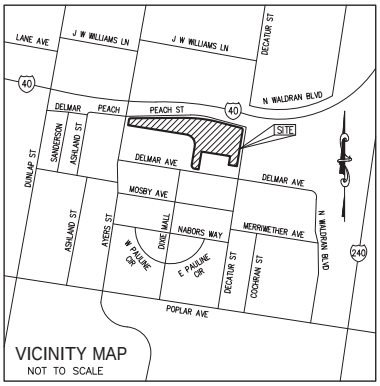

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GRAPHIC SCALE
60' 0 30' 60' 120'
(IN FEET)

FINAL PLAT

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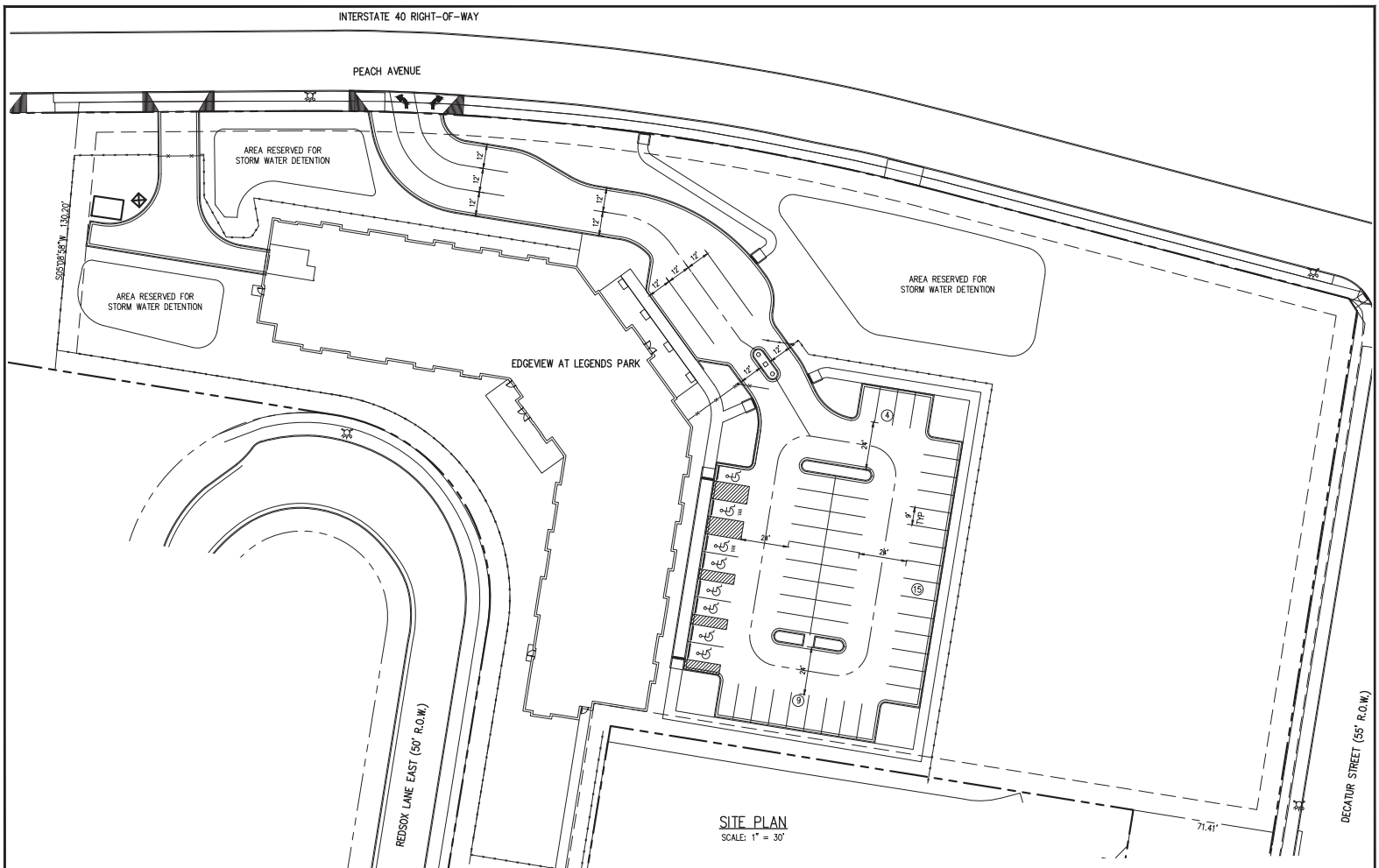

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USER QUESTIONNAIRE AND PROPOSAL CHECKLIST
ASTM E1527-13 Phase I Environmental Site Assessment

1. Applicability — Per ASTM E1527-13, if the reason for the Phase I ESA is not provided, EnSafe shall assume the purpose is to qualify for one of the landowner liability protections listed in a., b., or c. (below).

Please identify from the lists below all applicable reasons for requesting this Phase I Environmental Site Assessment:

Reasons applicable to the "All Appropriate Inquiries" Final Rule (40 Code of Federal Regulations Part 312):

- ☐ a. Person seeking to establish the innocent landowner defense to CERCLA liability
- ☐ b. Person seeking to establish bona fide prospective purchaser landowner liability protection to CERCLA liability
- ☐ c. Person seeking to establish the contiguous property owner landowner liability protection to CERCLA liability
- ☐ d. Person conducting site characterization and assessments with the use of a CERCLA grant (Brownfields)

If one of the above is applicable, please complete the "User Responsibilities" questions in Section 2.

Additional reasons for performing a Phase I Environmental Site Assessment:

- ☑ e. As part of due diligence prior to purchase
- ☑ f. Obtaining financing
- ☐ g. Selling a property
- ☐ h. Originating or renewing a lease
- ☐ i. Terminating a lease or vacating a property
- ☑ j. In anticipation of a property/business ownership transaction
- ☐ k. Establishing baseline conditions at a property
- ☐ l. Identifying potential business environmental risks associated with a property

A business environmental risk is defined by ASTM E1527-13 as a risk that can have a material environmental or environmentally driven impact on the business associated with the current or planned use of commercial real estate, not necessarily related to required components within the scope of an ASTM Phase I ESA. Business environmental risks are commonly associated with ASTM "non-scope issues" listed in Section 4. If Box l. is selected in this section, please complete Section 4.

Yes	No	**2. User Responsibilities**

These are tasks under the "All Appropriate Inquiries" Final Rule at 40 Code of Federal Regulations Part 312 that must be performed by or on behalf of the party seeking to qualify for a landowner liability protection to CERCLA liability. EnSafe is required to request the intended "User" of the Phase I ESA provide the information from those tasks, as it may be material in identifying recognized environmental conditions. Although the User of the Phase I ESA is not required to provide that information to EnSafe, the User remains responsible for their completion. For any boxes that are checked "Yes" please provide the additional information that you would like EnSafe to consider as part of the Phase I ESA. If the User of the Phase I ESA is not seeking a landowner liability protection to CERCLA liability but has pertinent information, answering the following questions will assist EnSafe.

☑	☐	a. Are there any environmental cleanup liens or activity and land-use limitations in place or filed or recorded against the property under federal, tribal, state, or local law, based on review of recorded land titles and judicial lien records? *If you haven't obtained the information through transaction-related title insurance documents, title abstracts, etc., would you like EnSafe to obtain and review land title records and judicial records at an additional cost (determined based on the number of parcels)? If so, please contact us for a quote.*
☐	☑	b. Do you have any specialized knowledge or experience related to the property or nearby properties? For example, are you involved in the same line of business as the current or former occupants of the property or an adjoining property so that you would have specialized knowledge of the chemicals and processes used by this type of business?
☐	☐	c. Does the purchase price being paid for this property reasonably reflect the fair market value of the property? In other words, what is the relationship of the purchase price to the fair market value of the property, if the property were not contaminated? If you conclude that there is a difference, is the lower purchase price related to contamination that is known or believed to be present at the property?

N/A ground lease

USER QUESTIONNAIRE AND PROPOSAL CHECKLIST
ASTM E1527-13 Phase I Environmental Site Assessment

☑	☐	d. Are you aware of commonly known or reasonably ascertainable information about the property that would help EnSafe identify conditions indicative of releases or threatened releases? For example, (i.) The past uses of the property? (ii.) Specific chemicals are or have been used or stored at the property? (iii.) Spills or other chemical releases that have occurred at the property? (iv.) Environmental cleanups that have taken place at the property? (v.) Do you have other information relevant to the Phase I ESA? BVA Agreement - Ensafe has the appropriate information
☐	☑	e. Based on your knowledge and experience related to the property, are there any obvious indicators that point to the presence or likely presence of releases at the property?
		3. Special Reporting Requirements (if applicable)
		Specify whether you, your client, and/or lender have special requirements for the Phase I ESA?
☐		a. No additional requirements apply to this Phase I ESA.
☑		b. Additional requirements apply and have been attached or discussed. Must meet THDA NHTF standards - communicated to Ensafe
		4. ASTM Non-Scope Considerations
		If you would like EnSafe to include any of the following issues as part of the Phase I ESA, please check the appropriate box, and an EnSafe representative will contact you, as necessary, to discuss further and determine whether modifications to the attached cost estimate will be necessary.
☑		a. Asbestos-Containing Materials
☑		b. Radon
☑		c. Lead-Based Paint
☑		d. Lead in Drinking Water
☑		e. Wetlands
☑		f. Regulatory Compliance — Environmental
☑		g. Regulatory Compliance — Health and Safety
☑		h. Indoor Air Quality
☑		i. Mold
☑		j. Substances not Defined as Hazardous Substances (aka emerging contaminants like PFAS)
☑		k. Vapor Intrusion
☑		l. Biological Agents
☑		m. Cultural and Historic Resources
☑		n. Ecological Resources
☑		o. Endangered Species
☑		p. Industrial Hygiene
☐		q. Other (please specify)
Yes	**No**	**5. Additional Requirements**
		Is this Phase I ESA being conducted:
☐	☐	a. To satisfy environmental policy requirements of the Small Business Administration (SBA), or is SBA otherwise involved in lender or development aspects of this property?
☐	☐	b. To document compliance with Housing and Urban Development standards at 24 Code of Federal Regulations 58.5(i)(2) or 50.3(i)?

USER QUESTIONNAIRE AND PROPOSAL CHECKLIST
ASTM E1527-13 Phase I Environmental Site Assessment

6. Site Contact(s)

Please provide contact information for EnSafe to gain access to the property and identify a Key Site Manager *(someone who has good knowledge of the uses and physical characteristics of the property)*.

Name: Deborah Payne
Contact Info: 1-901-544-1827

7. Report Addressed

If the report must be addressed to someone other than the proposal recipient, please specify the following information for each person/company/entity to which the report must be addressed.

Name: Brian Thomas
Title: Developer
Company: Legends Park Senior, LLC
Address: 675 Ponce De Leon
City, State, Zip: Avenue, Suite 8500
Phone: 404-759-1733
Email: bthomas@pennrose.com

8. Report Distribution

Reports will be provided electronically, unless otherwise specified. Email reports to:

If hard copies are requested, please provide name, company, and shipping address:

9. Property Location Description

Please provide any additional descriptions of the subject property, parcel number, and/or "as-is" map showing the property boundaries and developments below or in a separate attachment. Ensafe has latest property informati

Appendix F
Photo Log

PHOTO NO. 1 **DESCRIPTION:**	View looking west-southwest across the subject property from the east; note the Legends Park Subdivision (Legends Park) apartments visible in the background.

PHOTO NO. 2 **DESCRIPTION:**	View looking east toward Decatur Street from the east boundary of the subject property; note the discarded automobile tire (red arrow).

PHOTO NO. 3 **DESCRIPTION:**	View of the east-adjoining church beyond Decatur Street.

PHOTO NO. 4 **DESCRIPTION:**	View looking south toward the south-adjoining Legends Park Subdivision townhomes.

PHOTO NO. 5 **DESCRIPTION:**	View looking north from the northeast corner of the subject property toward Peach Avenue with I-40 beyond.

PHOTO NO. 6 **DESCRIPTION:**	View looking east across the subject property from the west side.

PHOTO NO. 7 **DESCRIPTION:**	View looking south toward the south-adjoining Legends Park apartments and townhomes from the western portion of the subject property.

PHOTO NO. 8 **DESCRIPTION:**	View looking south from the south portion of the subject property toward Delmar Avenue and along Red Sox Lane (right).

PHOTO NO. 9 **DESCRIPTION:**	View looking north from the southern extent of the subject property along Red Sox Lane (left) and Delmar Avenue (behind).

 Legal Notices

PUBLIC NOTICE
State of Tennessee
Department of Environment and Conservation
Division of Remediation
Notice of an Approved Administrative Settlement Pursuant to 42 U.S.C. § 9613(f)
Brownfield Redevelopment of 945 Peach Avenue, Memphis, Tennessee (also known as the Peach Avenue/Block A Site - DoR Site # 79-846S1)

The Division of Remediation ("DoR") has accepted into its Brownfield Program a parcel of property (approximately 3.820 acres), which has been complicated by real or perceived adverse environmental conditions, to facilitate redevelopment and continued use of the property (the "Site") by the Memphis Housing Authority, Legends Park Senior LLC and Pennrose, LLC (the "Voluntary Parties"). The Brownfield Voluntary Agreement ("Agreement") between the Voluntary Parties and DoR includes liability protection for the Voluntary Parties and any successor parties, including protection against third-party contribution claims regarding matters identified and addressed in the Agreement. This notice serves the dual purpose of notice of the terms of the Agreement to the public and to third parties who may hold contribution claims under 42 U.S.C. § 9613(f).

The Site is located at 945 Peach Avenue in Memphis, Tennessee. The Site is currently undeveloped. The Voluntary Parties plan to construct a residential facility at the Site. The Site was once part of the Dixie Homes housing complex. It also appears that a clothes cleaner and presser operation may have been located at the Site for a limited amount of time.

The Site has been the subject of environmental investigations, the results of which have been reviewed by DoR. Reports of the investigation and remediation of the Site are on file with the DoR. These investigations concluded that the Site has been impacted by hazardous substances, solid wastes or other pollutants determined to be present in this Site relating to the historical operations at the Site and/or at neighboring properties. Contaminants remaining at the Site in soil, soil gas, or groundwater include benzo(a)pyrene, benzo(a)anthracene, benzo(b)fluoranthene, dibenz(a,h)anthracene, indeno(1,2,3-cd)pyrene, arsenic, chromium, naphthalene, and benzene. Due to the presence of these constituents, a soil management plan has been developed to govern activities associated with the redevelopment of the Site. Land use restrictions will be placed on the Site to limit and/or control certain future activities. These and other measures required by DoR under the Agreement for the Site will ensure protection of human health and the environment.

The public may contact Ms. Merrie Salyers in the Memphis office of the Department of Environment and Conservation, Division of Remediation, 8383 Wolf Lake Drive, Bartlett, Tennessee 38133-4119 or by phone at (901) 371-3151 to obtain a copy of the Agreement or for more information. DoR is accepting written comments on the Agreement from the public and those who may have contribution claims for thirty (30) days after the date of publication of this notice, and these comments should be mailed to Ms. Merrie Salyers at the above address.

June 15, 2023

Appendix G
Photo Log

PHOTO NO. 1 **DESCRIPTION:**	View looking west across the subject property from the east; note the Legends Park Subdivision (Legends Park) apartments visible in the background.

PHOTO NO. 2 **DESCRIPTION:**	View looking east toward Decatur Street from the east boundary of the subject property; note the discarded automobile tire (red arrow).

PHOTO NO. 3 **DESCRIPTION:**	View looking south toward the south-adjoining Legends Park townhomes.

PHOTO NO. 4 **DESCRIPTION:**	View from the center of the subject property looking north toward Peach Avenue with I-40 beyond.

PHOTO NO. 5 **DESCRIPTION:**	View looking east across the subject property from the west.

PHOTO NO. 6 **DESCRIPTION:**	View looking south from the south portion of the subject property toward Delmar Avenue and along Red Sox Lane (right).

PHOTO NO. 7 **DESCRIPTION:**	View looking north from the southern portion of the subject property near Red Sox Lane (left) and Delmar Avenue (behind).

PHOTO NO. 8 **DESCRIPTION:**	View of typical wind-blown trash (red arrow) observed along the north extent of the subject property.

Appendix H
Resumes

MATTHEW COOLEY
SENIOR GEOLOGIST, PROJECT MANAGER

EDUCATION

MS, Geophysics, The University of Memphis, 2014

BS, Geology, Middle TN State University, 2012

REGISTRATIONS, CERTIFICATIONS, & TRAINING

Professional Geologist, AR, 00003019

Professional Geologist, TN, 6137

OSHA 40-hr Hazardous Waste Operations and Emergency Response (HAZWOPER)(29 CFR 1910.120)-Initial

OSHA 8-hr Hazardous Waste Operations and Emergency Response (HAZWOPER)(29 CFR 1910.120)-Refresher

CPR/First Aid/AED

Matthew is a results-driven Professional Geologist with over 8 years of experience in environmental consulting, site characterization, and remediation project management. He is skilled in developing proposals, managing budgets and schedules, and leading multidisciplinary teams to deliver high-quality client solutions. His expertise includes soil, groundwater, and air sampling; subcontractor oversight; remediation system operations; and regulatory reporting. Adept at health and safety planning, Phase II ESAs, and developing conceptual site models to support decision-making.

RELEVANT EXPERIENCE

2024 Desktop Reviews, Helena Agri-Enterprises, LLC, Multiple Locations (Present)

As Geologist, Matt provided desktop support to review potential liability associated with a site prior to client's acquisition of the property. He included desktop review of various records associated with the property.

NAVATL-CL0005_F0101_Site 4 Corry Station USTs 20 22 25 Outlying Fields Petroleum Program GW Monitoring, Resolution Consultants, Pensacola, FL (Present)

As Geologist, Matt provided regulatory compliance support for a US Navy CLEAN site. He drafted a Five-Year Review Report summarizing and evaluating effectiveness of site activities and selected remedies for the previous five-year period.

WEYER Remediation Project, Weyerhaeuser NR Company, DeQueen, AR (2025)

As Geologist, Matt produced a complex groundwater potentiometric surface map.

***Managing Consultant, ERM, Nashville, TN (2023-2025)**

***Senior Consultant, ERM, Nashville, TN (2021-2023)**

***Staff Geologist, ERM, Nashville, TN (2016-2021)**

**indicates work for a previous employer*