VOLUNTARY PROPERTY ASSESSMENT REPORT AND VOLUNTARY CLEANUP PLAN

SMITHFIELD PHASE II
308 10TH AVENUE NORTH
BIRMINGHAM, JEFFERSON COUNTY, ALABAMA
VCP NO.: 461-073-25047

September 2025

Prepared for:

Smithfield Phase II, LP
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Attention: Ms. Patricia Beshay

Submitted to:
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Attention: Ms. Crystal Collins

September 2025

Bhate Project No.: BRE2024.0069

Prepared By:

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VOLUNTARY PROPERTY ASSESSMENT REPORT AND VOLUNTARY CLEANUP PLAN SMITHFIELD PHASE II 308 10TH AVENUE NORTH BIRMINGHAM, JEFFERSON COUNTY, ALABAMA

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REVIEW SHEET

This report has been prepared and reviewed by: 	9/30/2025
Emmett Beers, P.G. Project Manager	Date
	9/30/2025
Louis Montgomery, P.E. Regulatory Compliance Director	Date

1 INTRODUCTION

1.1 Site Description

The subject property consists of the Smithfield Phase II at 308 10th Avenue North in Birmingham, Alabama (Figure 1). The following site information was provided by GIBCO Environmental, LLC (GIBCO) from their Phase I Environmental Site Assessment (ESA) report dated October 2024. The subject site consists of land totaling approximately 5.14 acres that adjoins Parker High School to the north. It consists of an asphalt parking lot and a grass field. The site is situated at 308 10th Avenue North southwest of the intersection of I-20 and I-65 in Birmingham, Alabama. The property is slated for redevelopment using Alabama Housing Finance Authority (AHFA) underwriting.

GIBCO concluded that there were no recognized environmental conditions at the time that the Phase I ESA was performed in September 2024. A copy of the Phase I ESA, dated October 22, 2024, was submitted to ADEM with the Form 521 Voluntary Cleanup Program Application and is included as Appendix A.

According to the GIBCO Phase I ESA, the 1911 Sanborn Map shows the site had residential uses so it was developed prior to 1911. The 1950 Sanborn Map showed residential, a church and an auto repair in a garage behind the residence at 304 10th Avenue North. It remained residential until 2011 when it was vacant and residential. In 2015 the parking lot appears on the aerial photo. The 1961 Sanborn Map indicated a dry cleaner approximately 300 feet northwest of the site. The entire area was excavated and filled for construction of I-59 in the mid-1960s. GIBCO concluded that review of historical information obtained during the investigation did not identify potential environmental concerns for the project subject property.

However, AHFA requested a Phase 2 ESA based on the historical presence of a backyard garage that was on the site and a former drycleaner approximately 300 feet north of the site (Figure 2). AHFA was also concerned about the possibility of contamination from a railway that was to the northeast of the site.

At the request of GIBCO, Bhate prepared a scope of work for soil and groundwater sampling to help evaluate current site conditions. Bhate conducted soil and groundwater sampling at the site in November and December of 2024.

Based on the findings of the 2024 assessment, additional soil sampling was conducted in August 2025. Boring TMW-04, sampled in November 2024, was found to contain PAH in soils at concentrations above the respective RSLs. The additional borings were conducted to better define the area of elevated PAH at TMW-04.

1.2 Previous Assessment Activities

Bhate personnel performed the Phase II ESA activities at the subject site on November 26 through December 2, 2024. Soil borings/temporary wells TMW-1 through TMW-6 were installed and soil

samples were collected on November 26 and groundwater samples were collected on November 27, 2024. Additional water level measurements were obtained on December 2, 2024. None of the groundwater samples contained detectable concentrations of VOC or PAH constituents.

None of the soil samples contained VOC concentrations exceeding the method detection limits. PAH constituents were detected only in a soil sample collected from 0-4 feet in boring TMW-4. Two PAH constituents, benzo (a) pyrene and benzo (b) fluoranthene, were detected at concentrations above the respective RSLs for residential sites.

Boring TMW-4 is in a grass field at the north end of the property. According to GIBCO, the Phase I ESA did not indicate a potential source of the PAH in shallow soil.

Eight additional borings (4A through 4H) were sampled around TMW-4 in August 2025. PAH constituents were detected in each of the eight soil samples collected in August 2025 around TMW-04. This is in part due to the lower detection limits reported by Pace Analytical. Benzo (a) pyrene was detected at a concentration above the RSLs for residential sites only in sample TMW-4D. No other soil samples contained PAH above the respective RSLs for residential sites.

A copy of Bhate's updated Phase II ESA, dated August 27, 2025, is included as Appendix B.

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2 GEOLOGY AND HYDROGEOLOGY

2.1 Geology

The geology of downtown Birmingham, Alabama is primarily characterized by carbonate rock formations from the Paleozoic era. The area lies within the Valley and Ridge physiographic province, which is known for its folded and faulted rock layers. The site is underlain by the Cambrian-aged Ketona Dolomite which consists primarily of light gray coarsely crystalline dolomite. The Jones Valley Fault parallels 10th Avenue North at the south end of the site.

Additionally, the downtown Birmingham area is influenced by the regional tectonics, which have resulted in structural features like anticlines and synclines. The presence of iron ore, coal, and other mineral resources in the surrounding region contributed to Birmingham's historic role in steel production. Faulting in the area is primarily associated with regional stresses. The geology of this region provides a clear representation of the dynamic geological processes that have shaped the area over millions of years.

Soils encountered during the installation of the temporary monitoring wells consisted of unconsolidated yellow to reddish silty clay.

2.2 Aquifer Conditions

Groundwater elevation measurements were obtained from temporary monitoring wells on November 27 and December 2, 2024, using an electronic water-level indicator. Groundwater stabilized at depths ranging from approximately 10 to 20 feet below top of well casing (Table 1). Bhate personnel obtained relative top-of-casing elevations for the temporary wells using standard surveying techniques and equipment. Top-of-casing elevations were referenced to a site elevation of 583.0 feet above mean seal level obtained using Google Earth.

A potentiometric surface map was prepared for the site based on the December 2, 2024, water level measurements. Based on the water level measurements, the direction of groundwater movement within the uppermost water-bearing unit is generally to the south which is consistent with local topography.

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3 CLEANUP PLAN

3.1 Remedial Action Strategy

The objective of this Cleanup Plan is to design and implement a remedial action strategy that will remove PAH in soils where constituent concentrations exceed the respective EPA residential RSLs. Soil excavation is the selected remedial option for the site. No groundwater contamination was found during the property assessment.

The proposed activities include:

- Obtain permits for soil disposal
- Identify the locations of underground utilities in the proposed excavation area
- Excavate impacted soil present at the subject site
- Perform confirmation sampling of the excavated area to confirm adequate soil removal
- Dispose of contaminated soil to at a permitted Subtitle D landfill.

3.2 Remedial Action Goals

The goal of the Cleanup Plan is to remove PAH impacted soils to meet current EPA residential RSLs.. Constituents of concern and their respective cleanup goals are as follows:

Constituent	Maximum Soil Concentration (mg/kg)	Soil Cleanup Goal (mg/kg)
Benzo (b) fluoranthene	1.26	1.1
Benzo (a) pyrene	0.795	0.11

The excavation activities proposed in the following sections should be adequate to meet the above cleanup goals for soils. Following implementation of the Cleanup Plan, a Letter of Concurrence for unrestricted residential site use will be requested from ADEM.

3.3 Proposed Soil Excavation Activities

The Pineview Subtitle D landfill in Dora, Alabama will be used for soil disposal. Bhate will obtain permits for soil disposal based on historic soil sampling data in accordance with Alabama Department of Environmental Management (ADEM) regulations.

Storm drain inlets that may receive any runoff during the excavation will be temporarily covered with sediment control devices. Silt fencing is not anticipated to be necessary due to flat topography and the excavation area being less than one acre in size. The excavation will not be conducted during a week when rainfall is predicted.

Excavation of the PAH soil will be conducted within the area depicted on Figure 3. Soils will be excavated with a trackhoe and loaded directly into trucks with covered beds for transportation to the Subtitle D landfill. The zone of most impacted soil is anticipated to be from the surface to

a depth of 4 feet. PAH confirmation samples will be collected and anlyzed prior to demobilization of excavation equipment. Additional excavation will be conducted in the PAH area if PAH constituents exceed the respective residential RSLs.

Dewatering of the excavation is not anticipated to be necessary. Based on the excavation depth of 4 feet and soil type, sloping of the sidewalls will not be conducted.

It is anticipated that excavation will be conducted only within the areas depicted in Figure 3. The total excavation area is approximately 375 square feet and encompassess the area of borings TMW-4 and TMW-4D where PAH concentrations exceed the residential RSLs.

During excavation activities, sidewall samples will be collected from the excavation at a frequency of 1 per 25 linear feet of sidewall at the anticipated limits of excavation to verify the XRF readings. The sidewall samples will be collected at a depth between the surface and 2 feet. Approximately 6 sidewall samples will be collected. Bottom samples will be collected at a rate of 1 per 100 square feet. Approximately 4 bottom samples will be collected from the excavation. Collected confirmation samples will be sent to Sutherland Environmental in Birmingham, Alabama, for analysis of PAH by EPA Method 8270C-SIM. Samples will be analyzed on a 24 hour turnaround basis.

The excavation will be backfilled following completion of the impacted soil removal. The excavation will be backfilled with #57 stone even with the surrounding ground surface.

3.4 Excavated Material Management

The contaminated excavated soil will be transported under manifest to Republic Services Pine Hill Landfill in Dora, Alabama, for disposal. Trucks will be covered with tarps before leaving the site. It is estimated that approximately 55 cubic yards (85 tons) of soil will be disposed at the landfill. Copies of the manifests and load weight tickets will be obtained from the landfill for inclusion in the excavation report.

3.5 Excavation Report

A report summarizing the soil excavation and disposal and Certification of Completion will be prepared for submittal to ADEM. The report will include the confirmation soil sample analytical results. The soil results will be compared to the proposed Cleanup Goals for the site. Copies of the soil disposal manifests and load tickets will be included in the report.

At the conclusion of cleanup activities described in this plan Bhate will request a Letter of Concurrence without restrictions.

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4 QUALITY ASSURANCE/QUALITY CONTROL

Bhate will maintain a stringent QA/QC program for all activities during data acquisition through report preparation. Sampling equipment will be decontaminated with laboratory-grade detergent and then rinsed with distilled water before collection of each sample. Chain-of-custody of samples will be documented from sampling through delivery to the laboratory. A QA/QC plan is provided in Appendix C.

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5 SAFETY CONSIDERATIONS

Prior to implementation of excavation activities, a survey of underground utilities will be conducted at the site. Underground utility clearance will be requested from the Alabama Line Location Center (811).

A site-specific health and safety plan is provided in Appendix D. All Bhate field personnel have received Occupational Safety and Health Administration (OSHA)-approved health and safety training. Before beginning work, a health-and-safety meeting will be held at the site by the Bhate site coordinator, and the health and safety plan will be reviewed. During this meeting, personnel will be informed of on-site hazards and all safety equipment (explosion meters, hard hats, steel-toed boots, protective clothing, etc.) will be inspected. While work is underway, an "exclusion zone" (the size of which will be determined by the on-site coordinator) will be maintained around the excavation areas. No unauthorized personnel will be allowed in these areas. Prior to implementation of excavation activities, a survey of underground utilities will be conducted at the site. All Bhate field personnel have received Occupational Safety and Health Administration (OSHA)-approved health and safety training.

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6 SCHEDULE

Bhate anticipates that it will require approximately 4 to 6 weeks to implement the soil excavation activities following ADEM approval and depending on contractor availability. The report summarizing implementation of the Voluntary Cleanup Plan will require approximately 2 to 3 weeks to complete following receipt of confirmation sampling results.

TABLES

Table 1

Groundwater Elevation and Well Construction Data

Smithfield Phase II

308 10th Avenue North

Birmingham, Alabama

Bhate Project No.: BRE2024.0069

Well ID	Date Measured	TOC Elevation (FTAMSL)	Total Depth (ft btoc)	Water Level (ft btoc)	Groundwater Elevation (FTAMSL)
TMW-1	11/27/2024	583.00	22.0	14.64	568.36
	12/2/2024			9.91	573.09
TMW-2	11/27/2024	582.90	32.0	19.71	563.19
	12/2/2024			Damaged	Damaged
TMW-3	11/27/2024	589.28	32.0	11.34	577.94
	12/2/2024			12.88	576.40
TMW-4	11/27/2024	589.40	32.0	12.17	577.23
	12/2/2024			11.69	577.71
TMW-5	11/27/2024	589.94	32.0	22.61	567.33
	12/2/2024			17.96	571.98
TMW-6	11/27/2024	594.45	36.0	24.30	570.15
	12/2/2024			20.56	573.89

Notes:

TOC = Top of well casing

TOC elevations referenced to estimated benchmark elevation of 583.00 feet above mean sea level at TMW-1.

ft amsl = feet above mean sea level

ft btoc = feet below top of casing

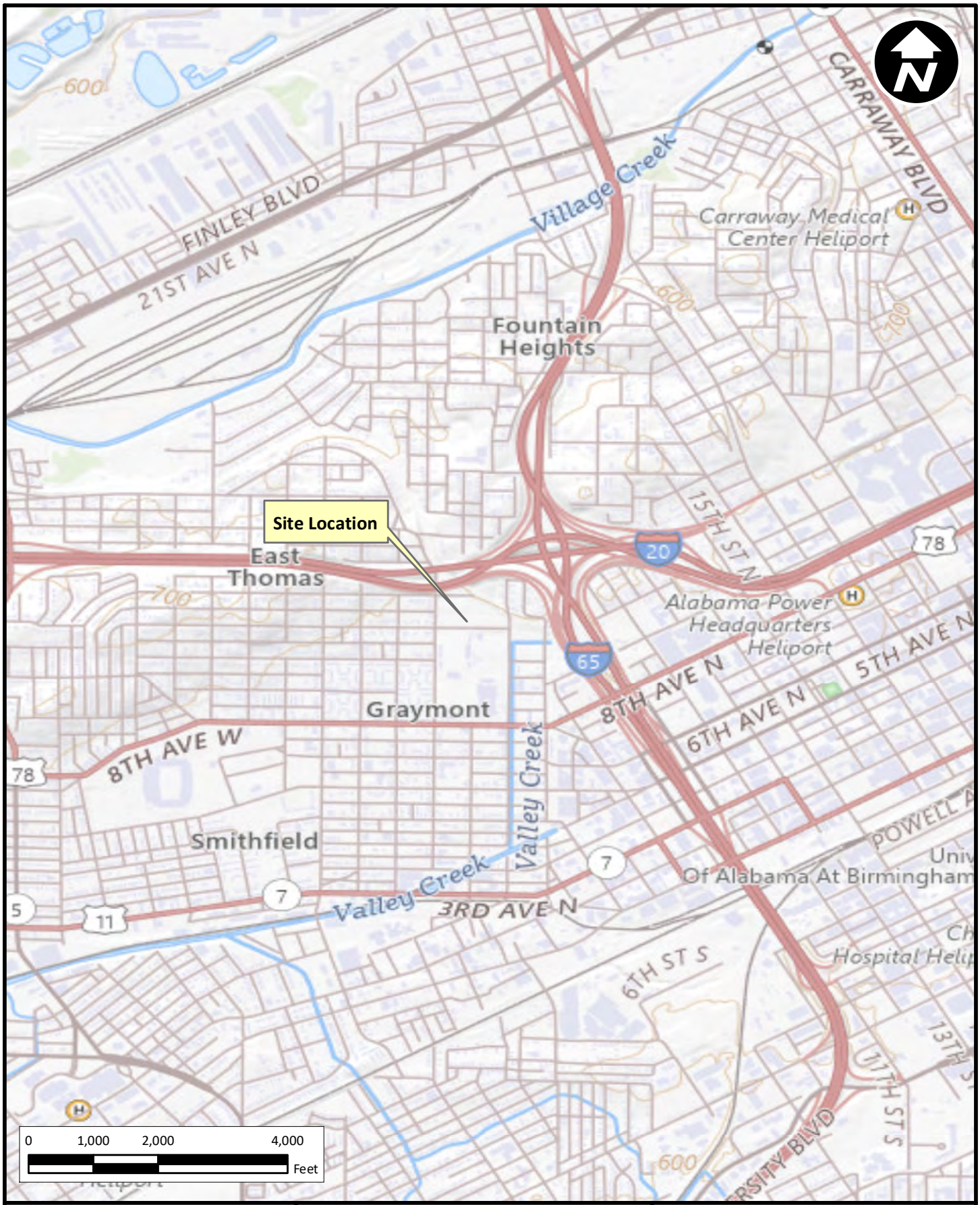
Table 2
Analytical Results for Soil Samples
Smithfield Phase II
308 10th Avenue North
Birmingham, Alabama
Bhate Project No.: BRE2024.0069

PARAMETER	Units	Residential RSL	TMW-1	TMW-2	TMW-3	TMW-4	TMW-5	TMW-6	TMW-4A	TMW-4B	TMW-4C	TMW-4D	TMW-4E	TMW-4F	TMW-4G
			8-12 feet	4-8 feet	11-12 feet	0-4 feet	7-8 feet	7-8 feet	0-4 feet	0-4 feet	0-4 feet	0-4 feet	0-4 feet	0-4 feet	0-4 feet
			11/26/24	11/26/24	11/26/24	11/26/24	11/26/24	11/26/24	08/13/25	08/13/25	08/13/25	08/13/25	08/13/25	08/13/25	08/13/25
			RESULT	RESULT	RESULT	RESULT	RESULT	RESULT	RESULT	RESULT	RESULT	RESULT	RESULT	RESULT	RESULT
Volatile Organic Compounds - EPA Method 8260B															
Volatile Organic Compounds	mg/kg		BDL	BDL	BDL	BDL	BDL	BDL	NA	NA	NA	NA	NA	NA	NA
Polynuclear Aromatic Hydrocarbons - EPA Method 8270															
Acenaphthene	mg/kg	360	BDL	BDL	BDL	0.055	BDL	BDL	0.00349	BDL	0.00566	0.106	0.00642	0.0146	BDL
Acenaphthylene	mg/kg	NE	BDL	BDL	BDL	0.098	BDL	BDL	0.00497	0.00366	0.00278	0.0198	0.00593	0.00646	BDL
Anthracene	mg/kg	1,800	BDL	BDL	BDL	0.129	BDL	BDL	0.0102	0.00238	0.0149	0.213	0.0182	0.0469	0.00427
Benzo (a) anthracene	mg/kg	1.1	BDL	BDL	BDL	0.417	BDL	BDL	0.0508	0.0134	0.0459	0.493	0.0807	0.18	0.0181
Benzo (b) fluoranthene	mg/kg	1.1	BDL	BDL	BDL	**1.26**	BDL	BDL	0.0749	0.029	0.0611	0.615	0.121	0.24	0.0286
Benzo (k) fluoranthene	mg/kg	11	BDL	BDL	BDL	0.465	BDL	BDL	0.0283	0.00876	0.0232	0.209	0.0428	0.077	0.00873
Benzo (g,h,i) perylene	mg/kg	NE	BDL	BDL	BDL	0.625	BDL	BDL	0.0387	0.0171	0.034	0.298	0.0617	0.122	0.0179
Benzo (a) pyrene	mg/kg	0.11	BDL	BDL	BDL	**0.795**	BDL	BDL	0.0524	0.0168	0.0413	**0.432**	0.0792	0.167	0.019
Chrysene	mg/kg	110	BDL	BDL	BDL	0.660	BDL	BDL	0.0437	0.0122	0.0394	0.403	0.0705	0.138	0.0137
Dibenz(a,h) antracene	mg/kg	0.11	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	0.00396
Fluoranthene	mg/kg	240	BDL	BDL	BDL	1.14	BDL	BDL	0.0993	0.0207	0.113	1.19	0.179	0.349	0.0373
Flourene	mg/kg	240	BDL	BDL	BDL	0.077	BDL	BDL	0.00303	BDL	0.00528	0.1	0.00503	0.0123	BDL
Indeno (1,2,3-cd) pyrene	mg/kg	1.1	BDL	BDL	BDL	0.620	BDL	BDL	0.0369	0.0162	0.0306	0.307	0.0595	0.126	0.0162
Naphthalene	mg/kg	2.0	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	0.031	BDL	0.00593	BDL
Phenanthrene	mg/kg	NE	BDL	BDL	BDL	0.675	BDL	BDL	0.0393	0.00623	0.0623	0.857	0.0864	0.172	0.019
Pyrene	mg/kg	180	BDL	BDL	BDL	1.0	BDL	BDL	0.076	0.0169	0.0808	0.825	0.132	0.261	0.0282
1-Methylnaphthalene	mg/kg	0.18	BDL	BDL	BDL	BDL	BDL	BDL	0.00444	0.00287	BDL	0.0299	0.00457	0.00609	BDL
2-Methylnaphthalene	mg/kg	24	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	0.0261	BDL	0.00632	BDL

NOTES:
mg/kg - millgrams per kilogram
RSL - USEPA Regional Screening Level (RSL) for Residential Soils, November 2024.
NE - Not Established
BDL - Below Method Detection Limit

Table 3							
Analytical Results for Groundwater Samples							
Smithfield Phase II							
308 10th Avenue North							
Birmingham, Alabama							
Bhate Project No.: BRE2024.0069							
PARAMETER	**Units**	**TMW-1**	**TMW-2**	**TMW-3**	**TMW-4**	**TMW-5**	**TMW-6**
		11/27/24	**11/27/24**	**11/27/24**	**11/27/24**	**11/27/24**	**11/27/24**
		RESULT	**RESULT**	**RESULT**	**RESULT**	**RESULT**	**RESULT**
Volatile Organic Compounds - EPA Method 8260B							
Volatile Organic Compounds	mg/L	BDL	BDL	BDL	BDL	BDL	BDL
Polynuclear Aromatic Hydrocarbons - EPA Method 8270							
Polynuclear Aromatic Hydrocarbons	mg/L	BDL	BDL	BDL	BDL	BDL	BDL
NOTES:							
mg/L - millgrams per liter							
BDL - Below Method Detection Limit							

FIGURES



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Smithfield Phase II
308 10th Avenue North
Birmingham, Alabama

PROJECT NO:	SCALE:	DATE:	DRAWN BY:
CSG2024.0069.0001	As Shown	12/6/2024	CM

Topographic Map

Figure 1

0 50 100 200 Feet

Appoximate Location of Former Dry Cleaner

Appoximate Location of Former Rail Road Right-of-Way

Appoximate Location of Former Garage

TMW-1

TMW-2

TMW-3

TMW-4

TMW-5

TMW-6

3rd Street North

10th Avenue North

Notes:
This information is depicted to provide visual aid within the context of this document and should not be used as a sole reference in precise dimensioning of features indicated. Please verify the location of all features including underground and aboveground utilities prior to conducting any subsurface exploration or site assessment.

Legend:
- Monitoring Well Location
- Site Boundary

Site Map

Figure 2

Smithfield Phase II
308 10th Avenue North
Birmingham, Alabama

DRAWN BY: CM

DATE: 12/9/2024

SCALE: As Shown

PROJECT NO: CSG2024.0069.0001

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PARAMETER	Units	Residential RSL	TMW-4A 0-4 feet 08/13/25 RESULT	TMW-4B 0-4 feet 08/13/25 RESULT	TMW-4C 0-4 feet 08/13/25 RESULT	TMW-4D 0-4 feet 08/13/25 RESULT	TMW-4E 0-4 feet 08/13/25 RESULT	TMW-4F 0-4 feet 08/13/25 RESULT	TMW-4G 0-4 feet 08/13/25 RESULT
Volatile Organic Compounds - EPA Method 8260B									
Volatile Organic Compounds	mg/kg		NA	NA	NA	NA	NA	NA	NA
Polynuclear Aromatic Hydrocarbons - EPA Method 8270									
Acenaphthene	mg/kg	360	0.00349	BDL	0.00566	0.106	0.00642	0.0146	BDL
Acenaphthylene	mg/kg	NE	0.00497	0.00366	0.00278	0.0198	0.00593	0.00646	BDL
Anthracene	mg/kg	1,800	0.0102	0.00238	0.0149	0.213	0.0182	0.0469	0.00427
Benzo (a) anthracene	mg/kg	1.1	0.0508	0.0134	0.0459	0.493	0.0807	0.18	0.0181
Benzo (b) fluoranthene	mg/kg	1.1	0.0749	0.029	0.0611	0.615	0.121	0.24	0.0286
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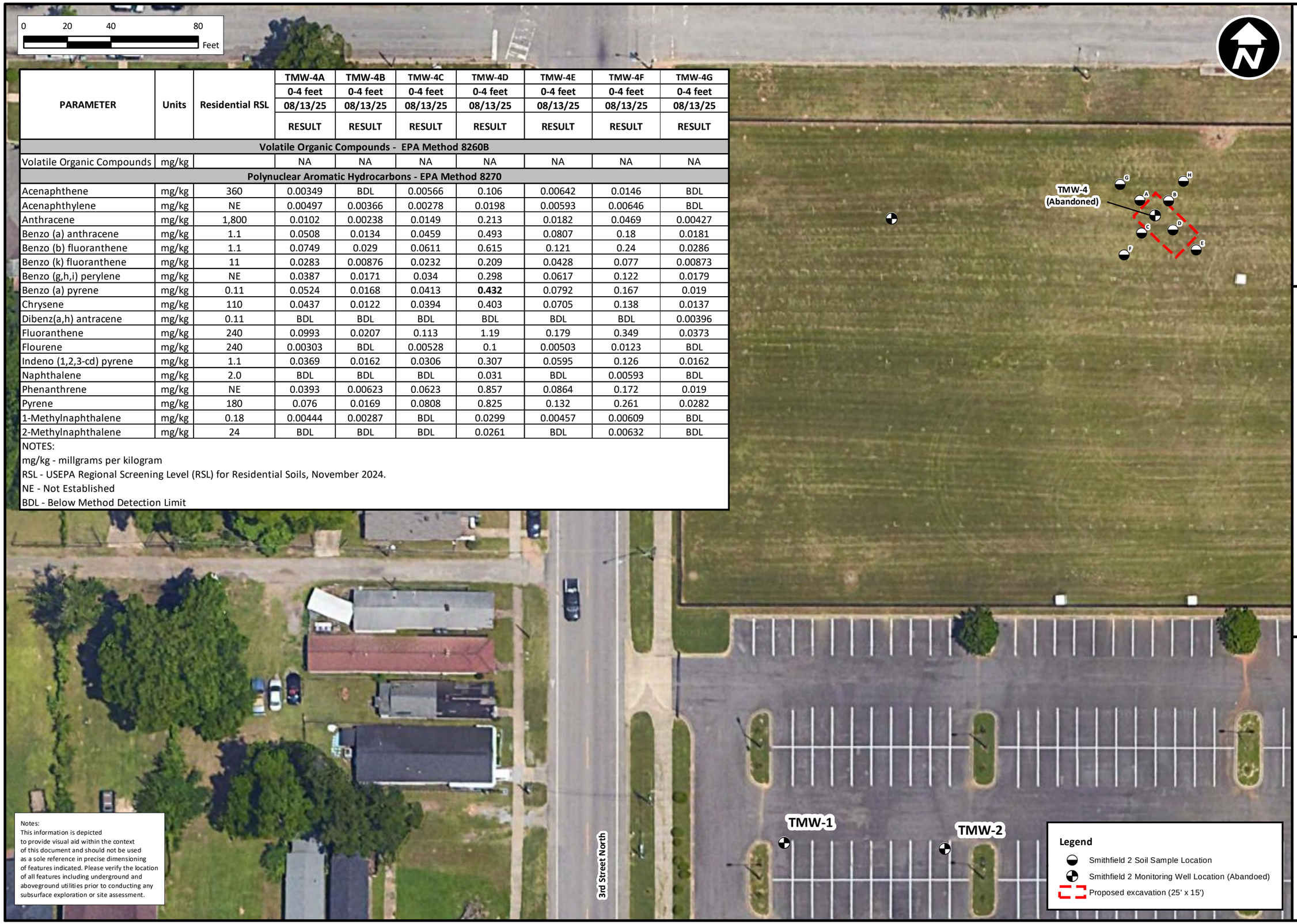
Benzo (g,h,i) perylene	mg/kg	NE	0.0387	0.0171	0.034	0.298	0.0617	0.122	0.0179
Benzo (a) pyrene	mg/kg	0.11	0.0524	0.0168	0.0413	**0.432**	0.0792	0.167	0.019
Chrysene	mg/kg	110	0.0437	0.0122	0.0394	0.403	0.0705	0.138	0.0137
Dibenz(a,h) antracene	mg/kg	0.11	BDL	BDL	BDL	BDL	BDL	BDL	0.00396
Fluoranthene	mg/kg	240	0.0993	0.0207	0.113	1.19	0.179	0.349	0.0373
Flourene	mg/kg	240	0.00303	BDL	0.00528	0.1	0.00503	0.0123	BDL
Indeno (1,2,3-cd) pyrene	mg/kg	1.1	0.0369	0.0162	0.0306	0.307	0.0595	0.126	0.0162
Naphthalene	mg/kg	2.0	BDL	BDL	BDL	0.031	BDL	0.00593	BDL
Phenanthrene	mg/kg	NE	0.0393	0.00623	0.0623	0.857	0.0864	0.172	0.019
Pyrene	mg/kg	180	0.076	0.0169	0.0808	0.825	0.132	0.261	0.0282
1-Methylnaphthalene	mg/kg	0.18	0.00444	0.00287	BDL	0.0299	0.00457	0.00609	BDL
2-Methylnaphthalene	mg/kg	24	BDL	BDL	BDL	0.0261	BDL	0.00632	BDL

NOTES:
mg/kg - millgrams per kilogram
RSL - USEPA Regional Screening Level (RSL) for Residential Soils, November 2024.
NE - Not Established
BDL - Below Method Detection Limit



Notes:
This information is depicted to provide visual aid within the context of this document and should not be used as a sole reference in precise dimensioning of features indicated. Please verify the location of all features including underground and aboveground utilities prior to conducting any subsurface exploration or site assessment.

Proposed Excavation Area (August 2025)

Figure 3

Smithfield Phase II
308 10th Avenue North
Birmingham, Alabama

DRAWN BY: CM

DATE: 9/30/2025

SCALE: As Shown

PROJECT NO: CSG2024.0069.0001

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APPENDIX A
PHASE I ENVIRONMENTAL SITE ASSESSMENT

Report On

PHASE I
ENVIRONMENTAL SITE ASSESSMENT

October 22, 2024

Smithfield Phase II
308 10th Avenue North
Birmingham, AL 35204

For

Smithfield Phase II, LP
191 Peachtree St Suite 41
Atlanta, GA 30303

Prepared By:

GIBCO Environmental, LLC
1651 E. 70th Street
PMB 403
Shreveport, LA 71105-5115
gibson.gibco@fgibsonconsulting.com

Inspection Date: 10-11-2024
Report Date: 10-22-2024
Database Date: 10-02-2024
Interview Date: 10-07-2024

Table of Contents

1.0 EXECUTIVE SUMMARY

1.1 PHASE I ESA

GIBCO Environmental, LLC (GIBCO) was retained by Rule Enterprises, LLC to conduct a Phase I Environmental Site Assessment on the subject property as shown in the included maps in Birmingham, Jefferson County, AL. The ASTM Standard E1527-21, Standard Practice for Environmental Site Assessments, EPA's Standards and Practices for All Appropriate Inquiries (AAI) and 2024 AHFA Environmental Policy Requirements were used as the standard for the assessment. The subject property visit for this Phase I ESA was conducted on September 11, 2024. The subject property is a 5.14-acre tract of land and a parking lot on the south portion.

The intent of this assessment was to identify any recognized environmental conditions; to qualify the user for an LLP (Landowner Liability Protection) to CERCLA (Comprehensive Environmental Response, Compensation and Liability Act) liability; to understand potential environmental conditions that could materially impact the use of the subject property; and to establish the history of the subject property and determine if any release or threat of a release exists on the subject property.

Yes	No	Observations for the project site.
	X	Sewage Disposal System
	X	Hazardous Substances and Petroleum Products-identified uses
	X	Storage tanks
	X	Strong, Pungent or Noxious Odors
	X	Standing Surface Water
	X	Pools or sumps containing likely hazardous liquids or petroleum products
	X	Drums, Totes, and Intermediate Bulk Containers
	X	Hazardous Substances and Petroleum Products- not identified uses
	X	Unidentified Substance Containers
	X	Electrical or Mechanical Equipment suspected to Contain PCBs
	X	Stains or Corrosion on Floors, walls or ceilings
	X	Drains and sumps

	X	Pits, ponds and Lagoons
	X	Stained soil or Pavement
	X	Distressed Vegetation
	X	Solid Waste
	X	Water/Waste Water Discharges
	X	Wells
	X	Septic Systems or Cesspools

No discharges of solid or hazardous waste materials were observed on or near the grounds of the project subject property. There was no indication of wetland vegetation found. We did not observe any odors, pools of liquid, drains, sumps, pits, ponds, lagoons, stained soil, wells, drums, solvents, degreasers, hazardous chemicals or septic systems on the subject property. We did not observe any ASTs or signs of USTs on the subject property. During the course of the subject property visit, GIBCO did not observe on the project subject property or along the subject property boundaries of the project subject property, the presence of hazardous materials, distressed vegetation or other existing environmental concerns.

- Adjacent sites were identified in the regulatory databases reviewed.

MAP ID	SITE NAME	ADDRESS	DATABASE ACRONYMS	RELATIVE ELEVATION	DIST (ft. & mi.) DIRECTION
A1	LEMONS GARAGE AUTO R	304 10TH AVE N	EDR Hist Auto	Lower	1 ft.
B2	WEST HIGHLAND CLNRS	1049 3RD ST N	EDR Hist Cleaner	Higher	74, 0.014, NW
B3	HALF HR INDRY SELF S	1053 3RD ST N	EDR Hist Cleaner	Higher	94, 0.018, NW
A4	LEMON HUGH L	1012 3RD ST N	EDR Hist Auto	Lower	114, 0.022, West

Site A1 Lemons Garage is onsite. Chemicals of concern are not likely to be present at this source. This was a residence that had an auto repair shop in the garage from 1950 to approximately 1976. The entire area was demolished, and a parking lot was constructed. There is no evidence of contamination from chemicals of concern. A phase II ESA by Bhate dated December 2024 shows no contamination in the soil or water at the location of this garage. It is not a REC for the subject.

Site B2 West Highland Cleaners measures 300 feet to the northwest and is not adjacent. Chemicals of concern are not likely to be present at this source. It was a drycleaner from 1946 to approximately 1961. Based upon the Sanborn Maps, the site measures 300 feet to the northwest. The entire area was excavated and filled for construction of I-59 in the mid-1960s. No drycleaning chemicals were noted in the Phase II ESA.

Site B3 Half Hour Laundry Self Service measures 290 feet to the northwest and is not adjacent. Chemicals of concern are not likely to be present at this source. The name indicates it was a self-service laundry, not a drycleaner operation. No drycleaning chemicals were noted in the Phase II ESA.

Site A4 Lemon, Hugh L measures 105 feet west. Chemicals of concern are not likely to be present at this source. This was listed in the 1940 city directory. The address shows as a residence on 1928 and subsequent Sanborn Maps It may be a past mailing address for Lemons Garage.

A Phase II ESA was prepared by Bhate dated December 2024 for the purpose of evaluating potential contamination from the Lemon's garage site, the drycleaners and the Railroad that shows adjacent to the northeast on the Sanborn Maps. It concluded:

4 CONCLUSIONS

At the request of GIBCO, Bhate conducted a Phase II ESA at the Smithfield Phase II site in Birmingham, Alabama. The following are the findings of the investigation:

- Groundwater stabilized at depths ranging from approximately 10 to 20 feet below ground surface on January 30, 2024. The direction of groundwater movement is generally to the south consistent with local topography.

- Soil samples collected from soil boring locations did not contain detectable VOCs. PAH constituents were detected only in a soil sample collected from 0-4 feet from TMW-4. Two PAH constituents, benzo(a) pyrene and benzo (b) fluoranthene, were detected at concentrations above the respective RSLs for residential sites.

- No detectable concentrations of VOCs or PAH were reported in any of the groundwater samples.

The source of PAH in soils at TMW-4 is currently unknown. The extent of PAH in soil is not currently defined. Based on the groundwater sampling results it does not appear that groundwater has been impacted by PAH. PAH is not volatile and is not a vapor intrusion concern. Exposure to PAH constituents in soil can be eliminated by removing the impacted soils for disposal at a permitted landfill facility or site redevelopment that caps the impacted soil. Bhate has reviewed a proposed site development plan provided by GIBCO dated October 9, 2024. The location of TMW-4 appears to be within the footprint of proposed Building 6.

The source of the two PAH constituents is unknown and none were found in the other borings in the area. Since it appears that the proposed site plan shows the area of the PAH boring will be encapsulated by the building foundation, the subject is suitable for unrestricted residential use.

- The subject property is not listed in the regulatory databases reviewed. However, see Site A1 described above.

- Based on historical information obtained from past aerial photography, USGS topographic maps and interviews: The subject property is a 5.14-acre tract of land and a parking lot on the south portion. The 1911 Sanborn Map shows it had residential uses so it was developed prior to 1911. The 1950 Sanborn Map showed residential, a church and an auto repair in a garage behind the residence at 304 10th Avenue North. It remained residential until 2011 when it was vacant and residential. In 2015 the parking lot appears on the aerial photo. A review of historical information

obtained during the investigation did not identify potential environmental concerns for the project subject property.

Findings

Recognized Environmental Conditions (RECs) are defined by the ASTM Standard Practice E1527-21 as: The term recognized environmental condition means (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. A de minimis condition is not a recognized environmental condition. GIBCO's assessment has revealed the following RECs associated with the subject property:

- No RECs were identified during the course of this assessment.

Historical Recognized Environmental Conditions (HRECs) are defined by the ASTM Standard Practice E1527-21 as: 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. If the EP considers this past release to be a REC at the time the Phase I ESA is conducted, the condition shall be included in the conclusion section of the report as a REC. GIBCO's assessment has revealed the following HRECs associated with the subject property:

- No HRECs were identified during the course of this assessment.

De Minimis Conditions are defined by ASTM Standard Practice E1527-21 as: 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.

- No de Minimis conditions were identified during the course of this assessment.

Controlled Recognized Environmental Conditions (CRECs) are defined by the ASTM Standard Practice E1527-21 as: 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). GIBCO's assessment has revealed the following CRECs associated with the subject property:

- No CRECs were identified during the course of this assessment.

Conclusions and Opinions

We have performed a Phase I Environmental Site Assessment in general conformance with the scope and limitations of ASTM Standard Practice E1527-21 and the Environmental Protection Agency Standards and Practices for All Appropriate Inquiries (40 CFR Part 312) and 2024 AHFA Environmental Policy Requirements. This assessment has revealed no evidence of RECs in connection with the subject property.

It is our opinion that the subject property is suitable for unrestricted residential use as defined by the Alabama Department of Environmental Management ("ADEM") under Alabama Administrative Code regulation 335-15-1.02(ddd), based upon our best professional judgment and after conducting the Phase I ESA work. The subject property is environmentally suitable for construction/rehabilitation of multi-family residential housing.

Recommendations

Based on the findings presented in this Phase I ESA no further recommendations are warranted for the subject property investigated.

1.2 TIER 1 VAPOR ENCROACHMENT SCREENING (must include discussion of results)

ASTM E 2600-22 is the standard to be used for a Tier I Vapor Encroachment Screening (VES). We used the industry recognized Vapor Encroachment Worksheet from EDR to prepare our Vapor Encroachment Screen. This online tool allows the environmental professional to use data from the Radius Report to determine if a Vapor Encroachment Condition (VEC) exists at the subject property. There cannot be a VEC if there are no contaminated properties in the AOC. Tier 1 Screening begins with the default Area of Concern (AOC) which is defined as one third of a mile around the Subject Property) for Chemicals of Concern (COCs) and one-tenth of a mile for petroleum hydrocarbon COCs. The approximate minimum search distances (using AHFA required search distances) surrounding the TP are shown in the EDR Report.

The Tier 1 Screening is typically focused on known or suspected contaminated properties that may exist in the AOC. So, the first step is to identify known or suspected contaminated properties in the AOC. The Phase I ESA showed no known or suspected contaminated properties in the AOC. The subject property and all sites listed inside the AOC were determined to have no evidence of contamination, therefore by definition, there is no potential for vapor encroachment. There is no requirement to explore potential pathways since there is not an identified contaminated property that might have a contaminant plume.

1.3 AHFA NON-SCOPE SUMMARY

Asbestos

This is new construction and no ACM testing is required.

Lead Based Paint

This is new construction and no LBP testing is required.

Mold

This is new construction.

Radon

The Radon Zone for Jefferson County is Zone 1. AHFA requires radon resistant construction for new construction projects.

Wetlands

During our field observation and verification, we did not observe any wetland vegetation on the subject property. There are no wetlands, streams, lakes or other water bodies, including both jurisdictional "waters of the United States" and non-jurisdictional waters and wetlands. The soil types are partially hydric. The National Wetlands Inventory Map shows no mapped wetlands on the subject property. It is not necessary to obtain a JD for this subject property due to the lack of wetland vegetation and that the subject property was previously fully developed.

Floodplains

The subject property is not in a floodplain. According to FM01073C0389H effective 3/21/2019, the subject property is not in a flood zone. Flood insurance is not required.

Noise Abatement & Control

The AHFA Environmental Requirements state that the Phase I ESA must include (1) a completed HUD "Noise (EA) - Partner Worksheet" and a completed HUD "Day/Night Noise Level Calculator" assessment.

The noise level assessment must identify whether:

- there is a civil airport within five miles of the subject property? *Yes. Birmingham,-Shuttlesworth is 4.05 miles away. See Map in Appendix K*
- there is a military airport within 15 miles? *NO. See Map in Appendix K*
- there is a major road (average Daily traffic count of 10,000 or more vehicles) within 1,000 feet of the subject property? *Yes. See Map in Appendix K*
- there is a railroad track within 3,000 feet? *NO. See Map in Appendix K*

Are anticipated noise levels at the project subject property acceptable (outside noise level < 65 dB; interior noise level < 45 dB)? *Outside Noise levels is 68 dB at Property Line but there are no noise sensitive amenities near the property line. We used the HUD Sound Transmission Classification Assessment Tool (STraCAT) and determined the indoor level is acceptable using the proposed construction methods. See Noise Assessment in Appendix K*

Airport Clear Zones & Accident Potential Zones

The AHFA Environmental Requirements state that the Phase I ESA must answer the following questions:

1. Is the project subject property located within an RPZ/CZ or APZ? *NO*

2. Is the subject property located within a flight path? *NO*

3. What is name of and distance to the airport nearest to the project subject property? *Birmingham,-Shuttlesworth is 4.05 miles away.*

Attached are both a completed HUD "Airport Hazards - Partner Worksheet" and a completed HUD "Airport Runway Clear Zones – Partner Worksheet".

1.4 RECOMMENDATIONS (If there is a potential for contamination to be present on the subject property, regardless of on-site or off-site sources of the contamination, recommendations for additional testing or assessment must be included)

We have performed a Phase I Environmental Site Assessment in general conformance with the scope and limitations of ASTM Standard Practice E1527-21 and the Environmental Protection Agency Standards and Practices for All Appropriate Inquiries (40 CFR Part 312) and 2024 AHFA Environmental Policy Requirements. This assessment has revealed no evidence of RECs in connection with the subject property. Based on the findings presented in this Phase I ESA no further recommendations are warranted for the subject property investigated.

1.5 OTHER

None.

2.0 INTRODUCTION

2.1 PURPOSE OF SERVICES (MUST state EP understands that the purpose of the Phase I ESA is to ascertain whether the property is environmentally suitable for construction/rehabilitation of multi-family residential housing)

GIBCO Environmental, LLC (GIBCO) was retained by Rule Enterprises, LLC to conduct a Phase I Environmental Site Assessment on the subject property as shown in the included maps in Birmingham, Jefferson County, AL. The ASTM Standard E1527-21, Standard Practice for Environmental Site Assessments, EPA's Standards and Practices for All Appropriate Inquiries (AAI) and 2024 AHFA Environmental Policy Requirements were used as the standard for the assessment. The subject property visit for this Phase I ESA was conducted on September 11, 2024. The subject property is a 5.14-acre tract of land and a parking lot on the south portion.

The intent of this assessment was to identify any recognized environmental conditions; to qualify the user for an LLP (Landowner Liability Protection) to CERCLA (Comprehensive Environmental Response, Compensation and Liability Act) liability; to understand potential environmental conditions that could materially impact the use of the subject property; and to establish the history of the subject property and determine if any release or threat of a release exists on the subject property.

GIBCO and the EP understand that the purpose of the Phase I ESA is to ascertain whether the subject property is environmentally suitable for construction/rehabilitation of multifamily residential housing. It is our opinion that the subject property is suitable for **unrestricted** residential use as defined by the Alabama Department of Environmental Management ("ADEM") under Alabama Administrative Code regulation 335-15-1.02(ddd), based upon our best professional judgment and after conducting the Phase I ESA work. "Unrestricted residential use" means the designation of acceptable future use at a subject property for any and all activities associated with residential use at which the remediation levels, based on either background or standard residential exposure factors, shall have been attained throughout the subject property in all media.

2.2 DETAILED SCOPE OF SERVICES

The scope of services for this assessment was conducted in general accordance with the American Society of Testing and Materials (ASTM) Standard Practices for Environmental Site Assessments: Phase I ESA Process (ASTM) Designation: E1527-21. These methodologies are described as representing good

commercial and customary practice for conducting a Phase I ESA of a subject property for the purpose of identifying recognized environmental conditions. In addition to the Scope of Services required under ASTM E-1527-21, we were engaged to provide Tier 1 ASTM E2600-22 vapor encroachment screen, research radon, wetlands and flood plains. This report and the photographs, which are included, reflect the condition of the subject property at the time of the visit on September 11, 2024.

2.3 SIGNIFICANT ASSUMPTIONS

There is a possibility that even with the proper application of these methodologies that there may be conditions that exist on the subject property that could not be identified within the scope of the assessment, or which were not reasonably identifiable from the available information. GIBCO believes that the information obtained from the record review and the interviews concerning the subject property is reliable. However, GIBCO cannot and does not warrant or guarantee that the information provided by these sources is accurate or complete. The methodologies of this assessment are not intended to produce all-inclusive or comprehensive results, but rather to provide the Client with information relating to the subject property.

2.4 PROJECT-SPECIFIC LIMITATIONS AND EXCEPTIONS

Our services were not intended to be technically exhaustive. There is a possibility that with the proper application of methodologies, conditions may exist on the subject property that could not be identified within the scope of the assessment or that were not reasonably identifiable from the available information. No ESA can wholly eliminate uncertainty regarding the potential for RECs in connection with the subject property. The ESA was intended to reduce, but not eliminate uncertainty regarding the potential for RECs in connection with the subject property.

Our report is based on commonly known and reasonably ascertainable information, including limited, ground-level visual inspection of the subject property except where otherwise explicitly indicated, in conformance with ASTM E 1527-21. Findings and conclusions derived from the methodologies described in the Practice contain all of the inherent limitations in the methodologies that are referred to in the Practice.

The ESA was not a building code, safety, regulatory or environmental compliance inspection. The

methodologies include reviewing information provided by other sources. GIBCO treats information obtained from the record reviews and interviews concerning the subject property as reliable and the ASTM E 1527-21 protocol does not require GIBCO to independently verify the information. Therefore, GIBCO cannot and does not warrant or guarantee that the information provided by these other sources is accurate or complete. No other warranties are implied or expressed.

GIBCO warrants that the findings contained in this report have been prepared in general conformance with accepted professional practices at the time of report preparation as applied by similar professionals. Future changes in standards, practices, or regulations cannot be anticipated and have not been addressed. The observations and recommendations presented in this report are time dependent, and conditions will change. This report speaks only as of its date.

2.5 SPECIAL TERMS AND CONDITIONS

This report has been prepared for the exclusive use of Client and should not be reproduced or disseminated without the written approval of GIBCO and the Client. GIBCO has retained a copy of this report. No additions or deletions are permitted without the express written consent of GIBCO. Use of this report in whole or in part by parties other than the Client is prohibited. Information obtained from public records review, the subject property inspection, and interviews were used to characterize the subject property. Although the services provided are extensive, findings and conclusions are limited to and by the information obtained. If information becomes available concerning the subject property that was not included in this report, it should be made available to GIBCO so that the conclusions and/or recommendations can be re-examined and modified, if applicable. Further non-intrusive and intrusive investigations and assessment methods are available that could further characterize the subject property's soil and ground water conditions. The Site Plan is a sketch of the subject property, which identifies observations of characteristics of the subject property, of significance, at the time of the inspection of the subject property. These plans are not drawn to scale and should not be relied upon as an engineering plan.

GIBCO's interviews are limited by the quality and completeness of answers provided to the proposed questions during the interview(s). The extent of historical research performed by GIBCO is limited to availability, cost, and timeliness of utilizing various resources such as aerial photographs, historical

Sanborn Maps, Land Evidence Records (deeds pertaining to historical subject property ownership), and local directories, all of which may indicate the historical utilization of the subject property. It should be noted that while the chain-of-ownership research and information provided should be accurate, it should in no way be construed as an actual Title search and should not be utilized or relied upon for any legal purposes.

Events occurring on the subject property after September 11, 2024, the date of the inspection, are beyond the scope of this report. GIBCO makes no expressed or implied representations or warranties regarding any changes in condition of the premises after this date.

2.6 RELIANCE (Must indicate AHFA can rely on report)

This report may be distributed and relied upon by the client, its successors and assigns. Reliance on the information and conclusions in this report by any other person or entity is not authorized without the written consent of GIBCO. It is our understanding that the information contained in the ESA will be used by AHFA in considering proposed financing of residential development/rehabilitation of the subject property and, therefore, AHFA may rely upon the ESA in its entirety as if it were originally issued to AHFA. A separate Reliance letter is included at Appendix H.

2.7 PASSAGE OF TIME AND VALIDITY OF REPORT

At the current date, the findings of this report are valid for the subject property. With the passage of time, significant changes in the condition of a property can occur. Changes outside of our control may render this report invalid in whole or in part. ASTM E-1527-21 states that a Phase I ESA is presumed viable when it is conducted within 180 days prior to the date of the intended transaction. Dates of components:

1. Interviews October 7, 2024
2. Searches for Environmental Liens October 4, 2024 (EDR)
3. Review of Government Records October 2, 2024
4. Visual Inspections October 11, 2024
5. Declaration of Environmental Professional October 22, 2024

3.0 USER-PROVIDED INFORMATION

3.1 TITLE RECORDS

We were provided with a legal description, a tax parcel map that contains the subject property and surrounding land, a subject property survey, a site plan and a deed for the tract of land that contains the subject property.

3.2 ENVIRONMENTAL LIENS OR ACTIVITY AND USE LIMITATIONS (EP accepts responsibility for and obtains search results as explained in Section 6.2 of ASTM Standard)

As required by AHFA, we accepted responsibility for searching for environmental liens or activity and use limitations filed against the subject property. We engaged Environmental Data Resources, Inc. to obtain this information for us. The EDR Environmental Lien and AUL Search Report provides results from a search of available current land title records for environmental cleanup liens and other activity and use limitations, such as engineering controls and institutional controls. A network of professional, trained researchers, following established procedures, uses client supplied address information to search the public records. The result of this was that no environmental liens nor activity and use limitations were found recorded against the subject property.

3.3 SPECIALIZED KNOWLEDGE

Specialized knowledge or experience material to RECs in connection with the subject property was requested from the client. The client did not have any such information to provide to us.

3.4 COMMONLY KNOWN OR REASONABLY ASCERTAINABLE INFORMATION

Commonly known or reasonably ascertainable information within the local community about the subject property that is material to RECs in connection with the subject property was requested from the client. No information was provided regarding any commonly known or reasonably ascertainable information within the local community that is material to RECs in connection with the subject property. GIBCO researched online sources for any obvious or commonly known and reasonably ascertainable information regarding the subject property. No information was identified that is material to RECs in connection with the subject property.

3.5 VALUATION REDUCTION FOR ENVIRONMENTAL ISSUES

Actual knowledge of a significantly lower purchase price due to the presence of hazardous substances or petroleum products in connection with the subject property was requested from the client. GIBCO was not provided with an appraisal for the subject property. No environmental issues were identified by the user/Client that could result in subject property value reduction.

3.6 OWNER, PROPERTY MANAGER, AND OCCUPANT INFORMATION

The Key Manager for this subject property is Brandon Rule, who also represents the user and developer. He is unaware of (1) any pending, threatened, or past litigation relevant to hazardous substances or petroleum products in, on or from the subject property; (2) any pending, threatened, or past administrative proceedings relevant to hazardous substances or petroleum products in, on or from the subject property; and (3) any notices from any governmental entity regarding any possible violation of environmental laws or possible liability relating to hazardous substances or petroleum products.

The current owner is City of Birmingham. The subject property is a 5.14-acre tract of land and a parking lot on the south portion.

3.7 OTHER

The client needs this Phase I ESA to submit to AHFA as part of an application for funding. The intent of this assessment was to identify any recognized environmental conditions; to qualify the user for an LLP (Landowner Liability Protection) to CERCLA (Comprehensive Environmental Response, Compensation and Liability Act) liability; to understand potential environmental conditions that could materially impact the use of the subject property; and to establish the history of the subject property and determine if any release or threat of a release exists on the subject property.

GIBCO and the EP understand that the purpose of the Phase I ESA is to ascertain whether the subject property is environmentally suitable for construction/rehabilitation of multifamily residential housing. It is our opinion that the subject property is suitable for **unrestricted** residential use as defined by the Alabama Department of Environmental Management ("ADEM") under Alabama Administrative Code regulation 335-15-1.02(ddd), based upon our best professional judgment and after conducting the Phase I ESA work. "Unrestricted residential use" means the designation of acceptable future use at a subject property for any and all activities associated with residential use at which the remediation levels, based

on either background or standard residential exposure factors, shall have been attained throughout the subject property in all media.

4.0 SUBJECT PROPERTY RECONNAISSANCE

4.1 METHODOLOGY AND LIMITING CONDITIONS

On October 11, 2024, GIBCO environmental professional Debbie Amox performed a walking inspection of the subject property. GIBCO inspected the subject property and sites located within the government records search requirements of ASTM Standard Practice for Environmental Site Assessments, E1527-21. Adjoining properties were observed from the subject property or public locations. Several ground-level and drone photographs were taken during the subject property inspection to show the current condition of the property and any possible environmental concerns. A set of photographs is included in Appendix F. Limiting conditions included access only from public areas of adjacent properties and sites located within the search requirements. None of these limiting conditions affected our ability to make our conclusions and recommendations.

4.2 GENERAL SUBJECT PROPERTY SETTING AND LOCATION (MUST include subject property location (latitude and longitude) and LEGAL DESCRIPTION (metes and bounds)

The subject property is a 5.14-acre tract of land and a parking lot on the south portion.

COORDINATES

Latitude (North):	33.5188240 - 33° 31' 7.76"
Longitude (West):	86.8304080 - 86° 49' 49.46"
Universal Tranverse Mercator:	Zone 16
UTM X (Meters):	515749.6
UTM Y (Meters):	3708626.2

Based on the coordinates shown, the subject property is located in the USGS 16667606 BIRMINGHAM NORTH, AL Quad.

The following legal description was provided to us by the user and is also attached in Appendix B.

AHFA Workforce Housing Tax Credit/Multifamily Housing Revenue Bond Notice of Intent to Apply Index of Required Documents

Bold lettering denotes that AHFA provides form.

As applicable, please include required documents with this form in the same sequence as indicated below.

If the documents are not required for your proposed project, mark the "Not Applicable" box as indicated on each form accordingly.

Failure to submit required document(s) may subject you to additional fees or termination of your submission.

Project Name: Smithfield Phase II

28. [X] Legal Description

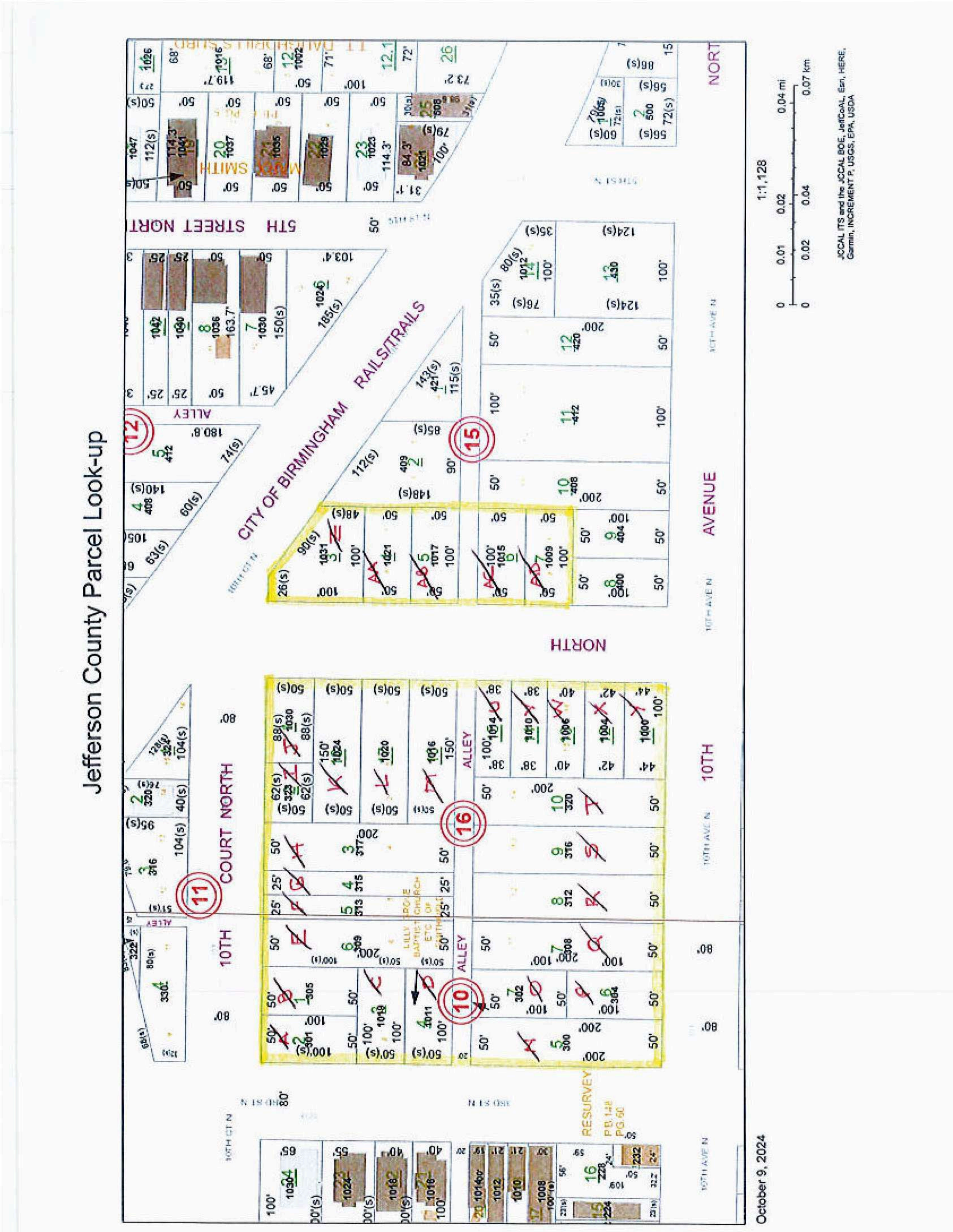
Jefferson County Parcel Look-up
CITY OF BIRMINGHAM RAILS/TRAILS
10TH COURT NORTH
10TH AVENUE NORTH
5TH STREET NORTH
ALLEY
LILLY GROVE BAPTIST CHURCH ETC OF SMITHFIELD
RESURVEY P.B. 148 PG 60
1:1,128
October 9, 2024
JCCAL ITS and the JCCAL BOE, JeffCoAL, Esri, HERE, Garmin, INCREMENT P, USGS, EPA, USDA

EXHIBIT A

A

Parcel I:
The North ½ of Lot 8, Block 11, according to the Map of Smithfield (North), as recorded in Map Book 1, Page 149, in the Office of the Judge of Probate of Jefferson County, Alabama.

B

Parcel II:
The North 100 feet of Lot 7, Block 11, according to the Map of Smithfield (North), as recorded in Map Book 1, Page 149, in the Office of the Judge of Probate of Jefferson County, Alabama.

E

Parcel III:
Lot 6, Block 11, according to the Map of Smithfield (North), as recorded in Map Book 1, Page 149, in the Office of the Judge of Probate of Jefferson County, Alabama.

F

Parcel IV:
The West ½ of Lot 5, Block 11, according to the Map of Smithfield (North), as recorded in Map Book 1, Page 149, in the Office of the Judge of Probate of Jefferson County, Alabama.

G

Parcel V:
The East ½ of Lot 5, Block 11, according to the Map of Smithfield (North), as recorded in Map Book 1, Page 149, in the Office of the Judge of Probate of Jefferson County, Alabama.

H

Parcel VI:
Lot 4, Block 11, according to the Map of Smithfield (North), as recorded in Map Book 1, Page 149, in the Office of the Judge of Probate of Jefferson County, Alabama.

I

Parcel VII:
The North 50 feet of Lot 3 and the North 50 feet of the West 12 feet of Lot 2, Block 11, according to the Map of Smithfield (North), as recorded in Map Book 1, Page 149, in the Office of the Judge of Probate of Jefferson County, Alabama.

J

Parcel VIII:
The North 50 feet of Lot 1 and the North 50 feet of East 38 feet of Lot 2, Block 11, according to the Map of Smithfield (North), as recorded in Map Book 1, Page 149, in the Office of the Judge of Probate of Jefferson County, Alabama.

Z

Parcel IX:
The North 100 feet of fractional Lots 7 and 8 in Block 4, according to the Map of Smithfield (North), as recorded in Map Book 1, Page 149, in the Office of the Judge of Probate of Jefferson County, Alabama.

C

Parcel X:
The North 1/2 of the South 1/2 of Lots 7 and 8, according to the Map of Smithfield (North), as recorded in Map Book 1, Page 149, in the Office of the Judge of Probate of Jefferson County, Alabama.

D

Parcel XI:
The South 50 feet of Lots 7 and 8, Block 11, according to the Map of Smithfield (North), as recorded in Map Book 1, Page 149, in the Office of the Judge of Probate of Jefferson County, Alabama.

L

Parcel XII:
The South ½ of the North ½ of Lots 1, 2 and 3, Block 11, according to the Map of Smithfield (North), as recorded in Map Book 1, Page 149, in the Office of the Judge of Probate of Jefferson County, Alabama.

3

Parcel XIII:
The North ½ of the South ½ of Lots 1, 2 and 3, Block 11, according to the Map of Smithfield (North), as recorded in Map Book 1, Page 149, in the Office of the Judge of Probate of Jefferson County, Alabama.

Parcel XIV:
The South ½ of the South ½ of Lots 1, 2 and 3, in Block 11, according to the Map of Smithfield (North), as recorded in Map Book 1, Page 149, in the Office of the Judge of Probate of Jefferson County, Alabama.

Parcel XV:
Lot 9, Block 11, North, according to the Map of Smithfield (North), as recorded in Map Book 1, Page 149, in the Office of the Judge of Probate of Jefferson County, Alabama.

Parcel XVI:
The North 100 feet of Lot 10, in Block 11, according to the Map of Smithfield (North), as recorded in Map Book 1, Page 149, in the Office of the Judge of Probate of Jefferson County, Alabama.

Parcel XVII:
The South 100 feet of Lot 10, in Block 11, according to the Map of Smithfield (North), as recorded in Map Book 1, Page 149, in the Office of the Judge of Probate of Jefferson County, Alabama.

Parcel XVIII:
Lot 11, Block 11, according to the Map of Smithfield (North), as recorded in Map Book 1, Page 149, in the Office of the Judge of Probate of Jefferson County, Alabama.

Parcel XIX:
Lot 12, Block 11, according to the Map of Smithfield (North), as recorded in Map Book 1, Page 149, in the Office of the Judge of Probate of Jefferson County, Alabama.

Parcel XX:
Lot 13, Block 11, according to the Map of Smithfield (North), as recorded in Map Book 1, Page 149, in the Office of the Judge of Probate of Jefferson County, Alabama.

Parcel XXI:
Lot 14, Block 11, according to the Map of Smithfield (North), as recorded in Map Book 1, Page 149, in the Office of the Judge of Probate of Jefferson County, Alabama.

Parcel XXII:
The South 42 feet of Lots 15 and 16, Block 11, according to the Map of Smithfield (North), as recorded in Map Book 1, Page 149, in the Office of the Judge of Probate of Jefferson County, Alabama.

Parcel XXIII:
The North 44 feet of South 86 feet of Lots 15 and 16, Block 11, according to the Map of Smithfield (North), as recorded in Map Book 1, Page 149, in the Office of the Judge of Probate of Jefferson County, Alabama.

Parcel XXIV:
The North 40 feet of the South 124 feet of Lots 15 and 16, Block 11, according to the Map of Smithfield (North), as recorded in Map Book 1, Page 149, in the Office of the Judge of Probate of Jefferson County, Alabama.

V

Parcel XXV:
The South 38 feet of the North 76 feet of Lots 15 and 16, Block 11, according to the Map of Smithfield (North), as recorded in Map Book 1, Page 149, in the Office of the Judge of Probate of Jefferson County, Alabama.

U

Parcel XXVI:
The North 38 feet of Lots 15 and 16, Block 11, according to the Map of Smithfield (North), as recorded in Map Book 1, Page 149, in the Office of the Judge of Probate of Jefferson County, Alabama.

AA

Parcel XXVII:
The North 50 feet of the South 100 feet of Lots 7 and 8, Block 4, according to the Map of Smithfield (North), as recorded in Map Book 1, Page 149, in the Office of the Judge of Probate of Jefferson County, Alabama.

AB

Parcel XXVIII:
The South 50 feet of Lots 7 and 8, Block 4, according to the Map of Smithfield (North), as recorded in Map Book 1, Page 149, in the Office of the Judge of Probate of Jefferson County, Alabama.

Parcel XXIX:
Lot 5, except the East 10 feet and all of Lot 6, in Block 4, according to the Map of Smithfield (North), as recorded in Map Book 1, Page 149, in the Office of the Judge of Probate of Jefferson County, Alabama.

Parcel XXX:
Lots 3, 4 and the East 10 feet of Lot 5, in Block 4, according to the Map of Smithfield (North), as recorded in Map Book 1, Page 149, in the Office of the Judge of Probate of Jefferson County, Alabama.

AC

Parcel XXXI:
The North 50 feet of Lots 9 and 10, Block 4, according to the Map of Smithfield (North), as recorded in Map Book 1, Page 149, in the Office of the Judge of Probate of Jefferson County, Alabama.

AD

Parcel XXXII:
The South 49 of the North 99 of Lots 9 and 10, in Block 4, according to the Map of Smithfield (North), as recorded in Map Book 1, Page 149, in the Office of the Judge of Probate of Jefferson County, Alabama.

Parcel XXXIII:
The South half of Lot 9, in Block 4, according to the Map of Smithfield (North), as recorded in Map Book 1, Page 149, in the Office of the Judge of Probate of Jefferson County, Alabama.

Parcel XXXIV:
Lot 10, except the North 100 feet, in Block 4, according to the Map of Smithfield (North), as recorded in Map Book 1, Page 149, in the Office of the Judge of Probate of Jefferson County, Alabama.

Parcel XXXV:
Lot 11, in Block 4, according to the Map of Smithfield (North), as recorded in Map Book 1, Page 149, in the Office of the Judge of Probate of Jefferson County, Alabama.

Parcel XXXVI:
Lots 12 and 13, in Block 4, according to the Map of Smithfield (North), as recorded in Map Book 1, Page 149, in the Office of the Judge of Probate of Jefferson County, Alabama.

Parcel XXXVII:
Lot 14, in Block 4, according to the Map of Smithfield (North), as recorded in Map Book 1, Page 149, in the Office of the Judge of Probate of Jefferson County, Alabama.

Parcel XXXVIII:
Part of Lots 15 and 16, in Block 4, according to the Map of Smithfield (North), as recorded in Map Book 1, Page 149, in the Office of the Judge of Probate of Jefferson County, Alabama, more particularly described as fronting 100 feet on the North side of Emma Avenue (now called 10th Avenue North), and running back Northerly at right angles thereto 124 feet along the West side of Mortimer Street (now called 5th Street North), being the same property as conveyed to Melinda Gibson by Rosa Williams and G.L. Williams on November 9, 1916, and recorded in Deed Book 870, Page 506, in the Probate Office of Jefferson County, Alabama.

Parcel XXXIX:
Lots 15 and 16, in Block 4, excepting a strip of the uniform width of 124 feet off the South ends thereof, according to the Map of Smithfield (North), as recorded in Map Book 1, Page 149, in the Office of the Judge of Probate of Jefferson County, Alabama.

Parcel XL:
A lot fronting fifty-six (56) feet on the East side of Mortimer Street (now known as 5th Street North) and extending back along the North line of Emma Avenue (now known as 10th Avenue North) seventy-two (72) feet and being a part of Lots Nine (9) and Ten (10) in Block lying North of Emma Avenue (now known as 10th Avenue North) East of Mortimer Street (now known as 5th Street North) West of Walker Street (now known as 6th Street North) and South of right-of-way of Pratt Coal and Coke Company Railroad, according to the Map of Smithfield (North), as recorded in Map Book 1, Page 149, in the Office of the Judge of Probate of Jefferson County, Alabama.

Parcel XLI:
Commence at the intersection of the northerly line of Emma Avenue (now known as 10th Avenue North) with the easterly line of Mortimer Street (now known as 5th Street North), as shown by the Map of Smithfield (North), as recorded in Map Book 1, Page 149, in the Office of the Judge of Probate of Jefferson County, Alabama; thence northwardly along the easterly line of Mortimer Street (5th St N) as shown on said plat for a distance of 56 feet to the Point of Beginning of the lot herein described; from the point of beginning thus obtained run east for a distance of 72 feet; run thence northwardly 26 feet, more or less, to the southerly line of the right of way of the Birmingham Southern Railroad; run thence northwestwardly along said southerly line to the intersection thereof with the easterly line of Mortimer Street (5th St N); run thence southwardly along said easterly line to the Point of Beginning.

Parcel XLII:
Beginning at a point on the North line of 10th Avenue, 150 feet Westwardly measured along said North line form the West line of 6th Street; turning thence Westwardly along said North line of 10th Avenue 159 feet; thence Northwardly at right angles form the preceding course 90.1 feet to a point 50 feet Southwestwardly measured radially from the center line of the Birmingham Southern Railroad Company's main track; thence Southeastwardly concentric with said center line 166 feet to a point 41 feet Northwardly measured at right angles form the point of beginning; thence Southwardly 41 feet to the Point of Beginning, according to the Map of Smithfield (North), as recorded in Map Book 1, Page 149, in the Office of the Judge of Probate of Jefferson County, Alabama.

Parcel XLIII:
Begin at the Northwest corner of Walker Street (now called 6th St N) and Emma Avenue (now called 10th Ave N) in Birmingham and run thence West 100 feet for point of beginning; thence continue West 50 feet;

thence North to the Southern border of the right of way of the Tennessee Coal, Iron and Railroad Company; thence East along said right of way 50 feet; thence South to point of beginning, according to the Map of Smithfield (North), as recorded in Map Book 1, Page 149, in the Office of the Judge of Probate of Jefferson County, Alabama.

Parcel XLIV:
Lots 15 and 16 in the fractional block at the Northwest corner of the intersection of Emma Avenue (now known as 10th Avenue North) and Walker Street (now known as 6th Street North), according to the Map of Smithfield (North), as recorded in Map Book 1, Page 149, in the Office of the Judge of Probate of Jefferson County, Alabama, more particularly described as follows: Commence at the Northwest corner of the intersection of Emma Avenue (now known as 10th Avenue North) and Walker Street (now known as 6th Street North), run thence West along the North side of Emma Avenue (now known as 10th Avenue North) one hundred (100) feet to the Southeast corner of Lot 14 in said fractional block, run thence North to the right of way of the Coketon Rail (also known as the Pruitt Mines Railroad) run thence in an Easterly direction along the South line of the said right of way to the West line of Walker Street (now known as 6th Street North), run thence South to the point of beginning.

Parcel XLV:
The North 150 feet of Lots 1 and 2, in Block 3, according to the Map of Smithfield (North), as recorded in Map Book 1, Page 149, in the Office of the Judge of Probate of Jefferson County, Alabama.

Parcel XLVI:
Lot 3, in Block 3, according to the Map of Smithfield (North), as recorded in Map Book 1, Page 149, in the Office of the Judge of Probate of Jefferson County, Alabama.

Parcel XLVII:
Lot 4, in Block 3, according to the Map of Smithfield (North), as recorded in Map Book 1, Page 149, in the Office of the Judge of Probate of Jefferson County, Alabama.

Parcel XLVIII:
The North 140 feet of Lots 5 and 6, in Block 3, according to the Map of Smithfield (North), as recorded in Map Book 1, Page 149, in the Office of the Judge of Probate of Jefferson County, Alabama.

Parcel XLIX:
Lot 7, in Block 3, except the South 50 feet, according to the Map of Smithfield (North), as recorded in Map Book 1, Page 149, in the Office of the Judge of Probate of Jefferson County, Alabama.

Parcel L:
The North 140 feet of Lot 8, in Block 3, according to the Map of Smithfield (North), as recorded in Map Book 1, Page 149, in the Office of the Judge of Probate of Jefferson County, Alabama.

Parcel LI:
Lot 8-A, according a Resurvey of Lots 7 & 8, Block 3 North Smithfield, as recorded in Map Book 48, Page 28, in the Office of the Judge of Probate of Jefferson County, Alabama.

Parcel LII:
The South 50 feet of Lots 5 and 6, and the East 28 feet of the South 50 feet of Lot 7, in Block 3, according to the Map of Smithfield (North), as recorded in Map Book 1, Page 149, in the Office of the Judge of Probate of Jefferson County, Alabama.

Parcel LIII:
The South 50 feet of Lots 1 and 2, in Block 3, according to the Map of Smithfield (North), as recorded in Map Book 1, Page 149, in the Office of the Judge of Probate of Jefferson County, Alabama, being more particularly described as follows:

A lot front 50 feet on walker Street (now 6th St. N) and running back on a line with the alley 79 feet, being part of the lots conveyed to John Tye by J.S. Brannon and wife, Nettie P. Brannon on to-wit; the 3rd of May, 1884 and recorded in Volume 55, page 590, in said Probate Office.

(A)

PARCEL #:	**22 00 34 1 010 002.000**
OWNER:	CITY OF BIRMINGHAM ALABAMA
ADDRESS:	710 NORTH 20TH STREET BIRMINGHAM AL 35203
LOCATION:	301 10TH CT N BHAM AL 35204

	Baths: **0.0**	H/C Sqft: **0**
12-002.0	Bed Rooms: **0**	Land Sch: **L1**
Land: **7,100**	Imp: **0**	Total: **7,100**
Acres: **0.000**	Sales Info: **07/01/2007**	**$22,500**

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SUMMARY LAND BUILDINGS SALES PHOTOGRAPHS MAPS

LAND COMPUTATION

	Code	Acerage	Square Foot	Market Value	CU. Value
LOTS 2	910 UNDEV. & UNUSED LAND	0	0	$7,100.00	

ROLLBACK/HOMESITE/MISCELLANEOUS

LEGAL DESCRIPTION

SUB DIVISON1: SMITHFIELD (NORTH) MAP BOOK: 1 PAGE: 149
SUB DIVISON2: MAP BOOK: 0 PAGE: 0

PRIMARY BLOCK: 11 SECONDARY BLOCK: 0
PRIMARY LOT: 8 SECONDARY LOT: 0

METES AND BOUNDS: N 1/2 LOT 8 BLK 11 (NORTH) SMITHFIELD

SALES INFORMATION

7/1/2007	$22,500.00	7	**BOOK:**200711 **PAGE:**006986	Land & Building
6/1/2002	$34,000.00	4	**BOOK:**200210 **PAGE:**007282	Land & Building
6/1/2002	$34,000.00	4	**BOOK:**200209 **PAGE:**008079	Land & Building
7/1/1997	$10.00	2	**BOOK:**9708 **PAGE:**008326	Land & Building

(B)

PARCEL #:	**22 00 34 1 010 001.000**		Baths: **0.0**	H/C Sqft: **0**
OWNER:	CITY OF BIRMINGHAM ALABAMA	**12-002.0**	Bed Rooms: **0**	Land Sch: **L1**
ADDRESS:	710 NORTH 20TH STREET BIRMINGHAM AL 35203	Land: **7,100**	Imp: **0**	Total: **7,100**
LOCATION:	305 10TH CT N BHAM AL 35204	Acres: **0.000**	Sales Info: **11/01/2001**	**$15,000**

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SUMMARY LAND BUILDINGS SALES PHOTOGRAPHS MAPS

LAND COMPUTATION

	Code	Acerage	Square Foot	Market Value	CU. Value
LOTS 2	910 UNDEV. & UNUSED LAND	0	0	$7,100.00	

ROLLBACK/HOMESITE/MISCELLANEOUS

LEGAL DESCRIPTION

SUB DIVISON1: SMITHFIELD (NORTH) MAP BOOK: 1 PAGE: 149
SUB DIVISON2: MAP BOOK: 0 PAGE: 0

PRIMARY BLOCK: 11 SECONDARY BLOCK: 0
PRIMARY LOT: 7 SECONDARY LOT: 0

METES AND BOUNDS: N 100 FT LOT 7 BLK 11 (NORTH) SMITHFIELD

SALES INFORMATION

11/1/2001	$15,000.00	1	**BOOK:**200115 **PAGE:**003698	Land & Building

PARCEL #:	**22 00 34 1 010 003.000**		
OWNER:	CITY OF BIRMINGHAM ALABAMA		
ADDRESS:	710 NORTH 20TH STREET BIRMINGHAM AL 35203		
LOCATION:	1019 3RD ST N BHAM AL 35204		
		Baths: **0.0**	H/C Sqft: **0**
12-002.0		Bed Rooms: **0**	Land Sch: **L1**
Land: **7,100**		Imp: **0**	Total: **7,100**
Acres: **0.000**		Sales Info: **12/01/1993 $1**	

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SUMMARY LAND BUILDINGS SALES PHOTOGRAPHS MAPS

LAND COMPUTATION

	Code	Acerage	Square Foot	Market Value	CU. Value
LOTS 2	910 UNDEV. & UNUSED LAND	0	0	$7,100.00	

ROLLBACK/HOMESITE/MISCELLANEOUS

LEGAL DESCRIPTION

SUB DIVISON1: SMITHFIELD (NORTH) MAP BOOK: 1 PAGE: 149
SUB DIVISON2: MAP BOOK: 0 PAGE: 0

PRIMARY BLOCK: 11 SECONDARY BLOCK: 0
PRIMARY LOT: 7&8 SECONDARY LOT: 0

METES AND BOUNDS: N 1/2 OF S 1/2 LOTS 7 & 8 BLK 11 (NORTH) SMITHFIELD

SALES INFORMATION

12/1/1993	$1.00	2	**BOOK:**9707 **PAGE:**000995	Land & Building

PARCEL #:	**22 00 34 1 010 004.000**
OWNER:	CITY OF BIRMINGHAM ALABAMA
ADDRESS:	710 NORTH 20TH STREET BIRMINGHAM AL 35203
LOCATION:	1011 3RD ST N BHAM AL 35204

	Baths: **0.0**	H/C Sqft: **0**
50-013.0	Bed Rooms: **0**	Land Sch: **S171**
Land: **4,500**	Imp: **0**	Total: **4,500**
Acres: **0.000**	Sales Info: **$0**	

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Tax Year : 2024

SUMMARY LAND BUILDINGS SALES PHOTOGRAPHS MAPS

LAND COMPUTATION

	Code	Acerage	Square Foot	Market Value	CU. Value
SQFT 2	910 UNDEV. & UNUSED LAND	0.114784205693297	5000	$4,500.00	

ROLLBACK/HOMESITE/MISCELLANEOUS

LEGAL DESCRIPTION

SUB DIVISON1: SMITHFIELD (NORTH) MAP BOOK: 1 PAGE: 149
SUB DIVISON2: MAP BOOK: 0 PAGE: 0

PRIMARY BLOCK: 11 SECONDARY BLOCK: 0
PRIMARY LOT: 7&8 SECONDARY LOT: 0

METES AND BOUNDS: S 50 FT OF LOTS 7 & 8 BLK 11 (NORTH) SMITHFIELD ON E SIDE OF JOSEPH ST & RUNNING BACK OF UNIFORM WIDTH

SALES INFORMATION

No Sales Information on Record

(E)

PARCEL #:	**22 00 35 2 016 006.000**		Baths: **0.0**	H/C Sqft: **0**
OWNER:	CITY OF BIRMINGHAM ALABAMA	**12-002.0**	Bed Rooms: **0**	Land Sch: **L1**
ADDRESS:	710 NORTH 20TH STREET BIRMINGHAM AL 35203	Land: **5,600**	Imp: **0**	Total: **5,600**
LOCATION:	309 10TH CT N BHAM AL 35204	Acres: **0.000**	Sales Info: **$0**	

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SUMMARY LAND BUILDINGS SALES PHOTOGRAPHS MAPS

LAND COMPUTATION

	Code	Acerage	Square Foot	Market Value	CU. Value
LOTS 2	910 UNDEV. & UNUSED LAND	0	0	$5,600.00	

ROLLBACK/HOMESITE/MISCELLANEOUS

LEGAL DESCRIPTION

SUB DIVISON1: SMITHFIELD (NORTH) MAP BOOK: 1 PAGE: 149
SUB DIVISON2: MAP BOOK: 0 PAGE: 0

PRIMARY BLOCK: 11 SECONDARY BLOCK: 0
PRIMARY LOT: 6 SECONDARY LOT: 0

METES AND BOUNDS: LOT 6 BLK 11 MAP OF SMITHFIELD (NORTH)

SALES INFORMATION

No Sales Information on Record

(F)

PARCEL #:	**22 00 35 2 016 005.000**		Baths: **0.0**	H/C Sqft: **0**
OWNER:	CITY OF BIRMINGHAM ALABAMA	**12-002.0**	Bed Rooms: **0**	Land Sch: **L1**
ADDRESS:	710 NORTH 20TH STREET BIRMINGHAM AL 35203	Land: **2,800**	Imp: **0**	Total: **2,800**
LOCATION:	313 10TH CT N BHAM AL 35204	Acres: **0.000**	Sales Info: **$0**	

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SUMMARY LAND BUILDINGS SALES PHOTOGRAPHS MAPS

LAND COMPUTATION

	Code	Acerage	Square Foot	Market Value	CU. Value
LOTS 2	910 UNDEV. & UNUSED LAND	0	0	$2,800.00	

ROLLBACK/HOMESITE/MISCELLANEOUS

LEGAL DESCRIPTION

SUB DIVISON1: SMITHFIELD (NORTH) MAP BOOK: 1 PAGE: 149
SUB DIVISON2: MAP BOOK: 0 PAGE: 0

PRIMARY BLOCK: 11 SECONDARY BLOCK: 0
PRIMARY LOT: 5 SECONDARY LOT: 0

METES AND BOUNDS: W 1/2 OF LOT 5 BLK 11 MAP OF SMITHFIELD (NORTH)

SALES INFORMATION

No Sales Information on Record

PARCEL #:	**22 00 35 2 016 004.000**		Baths: **0.0**	H/C Sqft: **0**
OWNER:	CITY OF BIRMINGHAM ALABAMA	**12-002.0**	Bed Rooms: **0**	Land Sch: **L1**
ADDRESS:	710 NORTH 20TH STREET BIRMINGHAM AL 35203	Land: **2,800**	Imp: **0**	Total: **2,800**
LOCATION:	315 10TH CT N BHAM AL 35204	Acres: **0.000**	Sales Info: **09/01/1975**	**$8,000**

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SUMMARY LAND BUILDINGS SALES PHOTOGRAPHS MAPS

LAND COMPUTATION

	Code	Acerage	Square Foot	Market Value	CU. Value
LOTS 2	910 UNDEV. & UNUSED LAND	0	0	$2,800.00	

ROLLBACK/HOMESITE/MISCELLANEOUS

LEGAL DESCRIPTION

SUB DIVISON1: SMITHFIELD (NORTH) MAP BOOK: 1 PAGE: 149
SUB DIVISON2: MAP BOOK: 0 PAGE: 0

PRIMARY BLOCK: 11 SECONDARY BLOCK: 0
PRIMARY LOT: 5 SECONDARY LOT: 0

METES AND BOUNDS: E 1/2 OF LOT 5 BLK 11 MAP OF SMITHFIELD (NORTH)

SALES INFORMATION

9/1/1975	$8,000.00	N	**BOOK:5 PAGE:**000970	Land & Building

(H)

PARCEL #:	**22 00 35 2 016 003.000**		Baths: **0.0**	H/C Sqft: **0**
OWNER:	CITY OF BIRMINGHAM ALABAMA	**12-002.0**	Bed Rooms: **0**	Land Sch: **L1**
ADDRESS:	710 NORTH 20TH STREET BIRMINGHAM AL 35203	Land: **5,600**	Imp: **0**	Total: **5,600**
LOCATION:	317 10TH CT N BHAM AL 35204	Acres: **0.000**	Sales Info: **$0**	

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SUMMARY LAND BUILDINGS SALES PHOTOGRAPHS MAPS

LAND COMPUTATION

	Code	Acerage	Square Foot	Market Value	CU. Value
LOTS 2	910 UNDEV. & UNUSED LAND	0	0	$5,600.00	

ROLLBACK/HOMESITE/MISCELLANEOUS

LEGAL DESCRIPTION

SUB DIVISON1: SMITHFIELD (NORTH) MAP BOOK: 1 PAGE: 149
SUB DIVISON2: MAP BOOK: 0 PAGE: 0

PRIMARY BLOCK: 11 SECONDARY BLOCK: 0
PRIMARY LOT: 4 SECONDARY LOT: 0

METES AND BOUNDS: LOT 4 BLK 11 MAP OF SMITHFIELD (NORTH)

SALES INFORMATION

No Sales Information on Record

(I)

PARCEL #:	**22 00 35 2 016 002.000**
OWNER:	CITY OF BIRMINGHAM ALABAMA
ADDRESS:	710 NORTH 20TH STREET BIRMINGHAM AL 35203
LOCATION:	323 10TH CT N BHAM AL 35204

	Baths: **0.0**	H/C Sqft: **0**
12-002.0	Bed Rooms: **0**	Land Sch: **L1**
Land: **2,900**	Imp: **0**	Total: **2,900**
Acres: **0.000**	Sales Info: **$0**	

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SUMMARY LAND BUILDINGS SALES PHOTOGRAPHS MAPS

LAND COMPUTATION

	Code	Acerage	Square Foot	Market Value	CU. Value
LOTS 2	910 UNDEV. & UNUSED LAND	0	0	$2,900.00	

ROLLBACK/HOMESITE/MISCELLANEOUS

LEGAL DESCRIPTION

SUB DIVISON1: SMITHFIELD (NORTH) MAP BOOK: 1 PAGE: 149
SUB DIVISON2: MAP BOOK: 0 PAGE: 0

PRIMARY BLOCK: 11 SECONDARY BLOCK: 0
PRIMARY LOT: 2&3 SECONDARY LOT: 0

METES AND BOUNDS: N 50 FT S LOT 3 AND N 50 FT S OF W 12 FT S LOT 2 BLK 11 MAP OF SMITHFIELD (NORTH)

SALES INFORMATION

No Sales Information on Record

(J)

PARCEL #:	**22 00 35 2 016 001.000**		Baths: **0.0**	H/C Sqft: **0**
OWNER:	CITY OF BIRMINGHAM ALABAMA	**12-002.0**	Bed Rooms: **0**	Land Sch: **L1**
ADDRESS:	710 NORTH 20TH STREET BIRMINGHAM AL 35203	Land: **3,900**	Imp: **0**	Total: **3,900**
LOCATION:	1030 4TH ST N BHAM AL 35204	Acres: **0.000**	Sales Info: **01/01/1993**	**$29,750**

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SUMMARY LAND BUILDINGS SALES PHOTOGRAPHS MAPS

LAND COMPUTATION

	Code	Acerage	Square Foot	Market Value	CU. Value
LOTS 2	910 UNDEV. & UNUSED LAND	0	0	$3,900.00	

ROLLBACK/HOMESITE/MISCELLANEOUS

LEGAL DESCRIPTION

SUB DIVISON1: SMITHFIELD (NORTH) MAP BOOK: 1 PAGE: 149
SUB DIVISON2: MAP BOOK: 0 PAGE: 0

PRIMARY BLOCK: 11 SECONDARY BLOCK: 0
PRIMARY LOT: 1&2 SECONDARY LOT: 0

METES AND BOUNDS: N 50 FT S LOT 1 & N 50 S FT OF E 38 FT S OF LOT 2 BLK 11 MAP OF SMITHFIELD (NORTH)

SALES INFORMATION

1/1/1993	$29,750.00	4	**BOOK:**4467 **PAGE:**000311	Land & Building

(K)

PARCEL #:	**22 00 35 2 016 018.000**		Baths: **0.0**	H/C Sqft: **0**
OWNER:	CITY OF BIRMINGHAM ALABAMA	**12-002.0**	Bed Rooms: **0**	Land Sch: **L1**
ADDRESS:	710 NORTH 20TH STREET BIRMINGHAM AL 35203	Land: **5,000**	Imp: **0**	Total: **5,000**
LOCATION:	1024 4TH ST N BHAM AL 35204	Acres: **0.000**	Sales Info: **$0**	

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SUMMARY LAND BUILDINGS SALES PHOTOGRAPHS MAPS

LAND COMPUTATION

	Code	Acerage	Square Foot	Market Value	CU. Value
LOTS 2	910 UNDEV. & UNUSED LAND	0	0	$5,000.00	

ROLLBACK/HOMESITE/MISCELLANEOUS

LEGAL DESCRIPTION

SUB DIVISON1: SMITHFIELD (NORTH) MAP BOOK: 1 PAGE: 149
SUB DIVISON2: MAP BOOK: 0 PAGE: 0

PRIMARY BLOCK: 11 SECONDARY BLOCK: 0
PRIMARY LOT: 1-3 SECONDARY LOT: 0

METES AND BOUNDS: S 1/2 OF N 1/2 OF LOTS 1 THRU 3 BLK 11 MAP OF SMITHFIELD (NORTH)

SALES INFORMATION

No Sales Information on Record

(L)

PARCEL #:	**22 00 35 2 016 017.000**
OWNER:	CITY OF BIRMINGHAM ALABAMA
ADDRESS:	710 NORTH 20TH STREET BIRMINGHAM AL 35203
LOCATION:	1020 4TH ST N BHAM AL 35204

	Baths: **0.0**	H/C Sqft: **0**
12-002.0	Bed Rooms: **0**	Land Sch: **L1**
Land: **5,000**	Imp: **0**	Total: **5,000**
Acres: **0.000**	Sales Info: **02/01/1994**	**$5,500**

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SUMMARY LAND BUILDINGS SALES PHOTOGRAPHS MAPS

LAND COMPUTATION

	Code	Acerage	Square Foot	Market Value	CU. Value
LOTS 2	910 UNDEV. & UNUSED LAND	0	0	$5,000.00	

ROLLBACK/HOMESITE/MISCELLANEOUS

LEGAL DESCRIPTION

SUB DIVISON1: SMITHFIELD (NORTH) MAP BOOK: 1 PAGE: 149
SUB DIVISON2: MAP BOOK: 0 PAGE: 0

PRIMARY BLOCK: 11 SECONDARY BLOCK: 0
PRIMARY LOT: 1-3 SECONDARY LOT: 0

METES AND BOUNDS: N 1/2 OF S 1/2 LOTS 1 THRU 3 BLK 11 MAP OF SMITHFIELD (NORTH)

SALES INFORMATION

2/1/1994	$5,500.00	1	**BOOK:**9604 **PAGE:**004119	Land
10/1/1976	$15,000.00	4	**BOOK:**3 **PAGE:**000000	Land & Building

PARCEL #:	**22 00 35 2 016 016.000**		Baths: **0.0**	H/C Sqft: **0**
OWNER:	CITY OF BIRMINGHAM ALABAMA	**12-002.0**	Bed Rooms: **0**	Land Sch: **L1**
ADDRESS:	710 NORTH 20TH STREET BIRMINGHAM AL 35203	Land: **5,000**	Imp: **0**	Total: **5,000**
LOCATION:	1016 4TH ST N BHAM AL 35204	Acres: **0.000**	Sales Info: **$0**	

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SUMMARY LAND BUILDINGS SALES PHOTOGRAPHS MAPS

LAND COMPUTATION

	Code	Acerage	Square Foot	Market Value	CU. Value
LOTS 2	910 UNDEV. & UNUSED LAND	0	0	$5,000.00	

ROLLBACK/HOMESITE/MISCELLANEOUS

LEGAL DESCRIPTION

SUB DIVISON1: SMITHFIELD (NORTH) MAP BOOK: 1 PAGE: 149
SUB DIVISON2: MAP BOOK: 0 PAGE: 0

PRIMARY BLOCK: 11 SECONDARY BLOCK: 0
PRIMARY LOT: 1-3 SECONDARY LOT: 0

METES AND BOUNDS: S 50 FT S LOTS 1 TO 3 BLK 11 MAP OF SMITHFIELD (NORTH)

SALES INFORMATION

No Sales Information on Record

(N)

PARCEL #:	**22 00 34 1 010 005.000**
OWNER:	CITY OF BIRMINGHAM ALABAMA
ADDRESS:	710 NORTH 20TH STREET BIRMINGHAM AL 35203
LOCATION:	300 10TH AVE N BHAM AL 35204

	Baths: **0.0**	H/C Sqft: **0**
12-002.0	Bed Rooms: **0**	Land Sch: **L1**
Land: **9,400**	Imp: **0**	Total: **9,400**
Acres: **0.000**	Sales Info: **$0**	

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Tax Year : 2024

SUMMARY LAND BUILDINGS SALES PHOTOGRAPHS MAPS

LAND COMPUTATION

	Code	Acerage	Square Foot	Market Value	CU. Value
LOTS 2	910 UNDEV. & UNUSED LAND	0	0	$9,400.00	

ROLLBACK/HOMESITE/MISCELLANEOUS

LEGAL DESCRIPTION

SUB DIVISON1: SMITHFIELD (NORTH) MAP BOOK: 1 PAGE: 149
SUB DIVISON2: MAP BOOK: 0 PAGE: 0

PRIMARY BLOCK: 11 SECONDARY BLOCK: 0
PRIMARY LOT: 9 SECONDARY LOT: 0

METES AND BOUNDS: LOT 9 BLK 11 SMITHFIELD (NORTH)

SALES INFORMATION

No Sales Information on Record

PARCEL #:	**22 00 34 1 010 007.000**
OWNER:	BIRMINGHAM BOARD OF EDUCATION
ADDRESS:	2015 PARK PL BIRMINGHAM AL 35203-2705
LOCATION:	302 10TH AVE N BHAM AL 35204

	Baths: **0.0**	H/C Sqft: **0**
12-002.0	Bed Rooms: **0**	Land Sch: **L2**
Land: **2,300**	Imp: **0**	Total: **2,300**
Acres: **0.000**	Sales Info: **$0**	

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Tax Year : 2024

SUMMARY LAND BUILDINGS SALES PHOTOGRAPHS MAPS

LAND COMPUTATION

		Code	Acerage	Square Foot	Market Value	CU. Value
LOTS	2	910 UNDEV. & UNUSED LAND	0	0	$9,400.00	
	2	910 UNDEV. & UNUSED LAND	0	0	($7,100.00)	

ROLLBACK/HOMESITE/MISCELLANEOUS

LEGAL DESCRIPTION

SUB DIVISON1: SMITHFIELD (NORTH) MAP BOOK: 1 PAGE: 149
SUB DIVISON2: MAP BOOK: 0 PAGE: 0

PRIMARY BLOCK: 11 SECONDARY BLOCK: 0
PRIMARY LOT: 10 SECONDARY LOT: 0

METES AND BOUNDS: N 100 FT OF LOT 10 BLK 11 SMITHFIELD (NORTH)

SALES INFORMATION

No Sales Information on Record

(P)

PARCEL #:	**22 00 34 1 010 006.000**		Baths: **0.0**	H/C Sqft: **0**
OWNER:	BIRMINGHAM BOARD OF EDUCATION	**12-002.0**	Bed Rooms: **0**	Land Sch: **L1**
ADDRESS:	2015 PARK PL BIRMINGHAM AL 35203-2705	Land: **7,100**	Imp: **0**	Total: **7,100**
LOCATION:	304 10TH AVE N BHAM AL 35204	Acres: **0.000**	Sales Info: **09/01/1968**	**$4,000**

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SUMMARY LAND BUILDINGS SALES PHOTOGRAPHS MAPS

LAND COMPUTATION

	Code	Acerage	Square Foot	Market Value	CU. Value
LOTS 2	910 UNDEV. & UNUSED LAND	0	0	$7,100.00	

ROLLBACK/HOMESITE/MISCELLANEOUS

LEGAL DESCRIPTION

SUB DIVISON1: SMITHFIELD (NORTH) MAP BOOK: 1 PAGE: 149
SUB DIVISON2: MAP BOOK: 0 PAGE: 0

PRIMARY BLOCK: 11 SECONDARY BLOCK: 0
PRIMARY LOT: 10 SECONDARY LOT: 0

METES AND BOUNDS: S 100 FT OF LOT 10 BLK 11 SMITHFIELD (NORTH)

SALES INFORMATION

9/1/1968	$4,000.00	N	**BOOK:**11 **PAGE:**000080	Land & Building

PARCEL #:	**22 00 35 2 016 007.000**	**[113-D0]**	Baths: **1.0**	H/C Sqft: **1**
OWNER:	BIRMINGHAM BOARD OF EDUCATION	**50-013.0**	Bed Rooms: **0**	Land Sch: **L1**
ADDRESS:	2015 PARK PL BIRMINGHAM AL 35203-2705	Land: **11,100**	Imp: **90,100**	Total: **101,200**
LOCATION:	308 10TH AVE N BHAM AL 35204	Acres: **0.000**	Sales Info: **09/01/2009**	**$58,000**

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SUMMARY LAND BUILDINGS SALES PHOTOGRAPHS MAPS

LAND COMPUTATION

	Code	Acerage	Square Foot	Market Value	CU. Value
LOTS 2	113 RESIDENTIAL APTS	0	0	$11,100.00	

ROLLBACK/HOMESITE/MISCELLANEOUS

LEGAL DESCRIPTION

SUB DIVISON1: SMITHFIELD (NORTH) MAP BOOK: 1 PAGE: 149
SUB DIVISON2: MAP BOOK: 0 PAGE: 0

PRIMARY BLOCK: 11 SECONDARY BLOCK: 0
PRIMARY LOT: 11 SECONDARY LOT: 0

METES AND BOUNDS: LOT 11 BLK 11 MAP OF SMITHFIELD (NORTH)

SALES INFORMATION

9/1/2009	$58,000.00	1	**BOOK:**200909 **PAGE:**002647	Land & Building

(R)

PARCEL #:	**22 00 35 2 016 008.000**		Baths: **0.0**	H/C Sqft: **0**
OWNER:	CITY OF BIRMINGHAM ALABAMA	**12-002.0**	Bed Rooms: **0**	Land Sch: **L1**
ADDRESS:	710 NORTH 20TH STREET BIRMINGHAM AL 35203	Land: **5,600**	Imp: **0**	Total: **5,600**
LOCATION:	312 10TH AVE N BHAM AL 35204	Acres: **0.000**	Sales Info: **08/01/1993**	**$23,000**

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SUMMARY LAND BUILDINGS SALES PHOTOGRAPHS MAPS

LAND COMPUTATION

	Code	Acerage	Square Foot	Market Value	CU. Value
LOTS 2	910 UNDEV. & UNUSED LAND	0	0	$5,600.00	

ROLLBACK/HOMESITE/MISCELLANEOUS

LEGAL DESCRIPTION

SUB DIVISON1: SMITHFIELD (NORTH) MAP BOOK: 1 PAGE: 149
SUB DIVISON2: MAP BOOK: 0 PAGE: 0

PRIMARY BLOCK: 11 SECONDARY BLOCK: 0
PRIMARY LOT: 12 SECONDARY LOT: 0

METES AND BOUNDS: LOT 12 BLK 11 MAP OF SMITHFIELD (NORTH)

SALES INFORMATION

8/1/1993	$23,000.00	1	**BOOK:**3106	**PAGE:**000558	Land & Building

PARCEL #:	**22 00 35 2 016 009.000**		Baths: **0.0**	H/C Sqft: **0**
OWNER:	CITY OF BIRMINGHAM ALABAMA	**12-002.0**	Bed Rooms: **0**	Land Sch: **L1**
ADDRESS:	710 NORTH 20TH STREET BIRMINGHAM AL 35203	Land: **5,600**	Imp: **0**	Total: **5,600**
LOCATION:	316 10TH AVE N BHAM AL 35204	Acres: **0.000**	Sales Info: **01/01/2004**	**$500**

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SUMMARY LAND BUILDINGS SALES PHOTOGRAPHS MAPS

LAND COMPUTATION

	Code	Acerage	Square Foot	Market Value	CU. Value
LOTS 2	910 UNDEV. & UNUSED LAND	0	0	$5,600.00	

ROLLBACK/HOMESITE/MISCELLANEOUS

LEGAL DESCRIPTION

SUB DIVISON1: SMITHFIELD (NORTH) MAP BOOK: 1 PAGE: 149
SUB DIVISON2: MAP BOOK: 0 PAGE: 0

PRIMARY BLOCK: 11 SECONDARY BLOCK: 0
PRIMARY LOT: 13 SECONDARY LOT: 0

METES AND BOUNDS: LOT 13 BLK 11 MAP OF SMITHFIELD (NORTH)

SALES INFORMATION

1/1/2004	$500.00	2	**BOOK:**200402	**PAGE:**002478	Land & Building

(T)

PARCEL #:	**22 00 35 2 016 010.000**
OWNER:	CITY OF BIRMINGHAM ALABAMA
ADDRESS:	710 NORTH 20TH STREET BIRMINGHAM AL 35203
LOCATION:	320 10TH AVE N BHAM AL 35204

	Baths: **0.0**	H/C Sqft: **0**
12-002.0	Bed Rooms: **0**	Land Sch: **L1**
Land: **5,600**	Imp: **0**	Total: **5,600**
Acres: **0.000**	Sales Info: **01/01/1998**	**$1,835**

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SUMMARY LAND BUILDINGS SALES PHOTOGRAPHS MAPS

LAND COMPUTATION

	Code	Acerage	Square Foot	Market Value	CU. Value
LOTS 2	910 UNDEV. & UNUSED LAND	0	0	$5,600.00	

ROLLBACK/HOMESITE/MISCELLANEOUS

LEGAL DESCRIPTION

SUB DIVISON1: SMITHFIELD (NORTH) MAP BOOK: 1 PAGE: 149
SUB DIVISON2: MAP BOOK: 0 PAGE: 0

PRIMARY BLOCK: 11 SECONDARY BLOCK: 0
PRIMARY LOT: 14 SECONDARY LOT: 0

METES AND BOUNDS: LOT 14 BLK 11 MAP OF SMITHFIELD (NORTH)

SALES INFORMATION

1/1/1998	$1,835.00	2	**BOOK:**9801 **PAGE:**003541	Land

PARCEL #:	**22 00 35 2 016 015.000**
OWNER:	CITY OF BIRMINGHAM ALABAMA
ADDRESS:	710 NORTH 20TH STREET BIRMINGHAM AL 35203
LOCATION:	1014 4TH ST N BHAM AL 35204

	Baths: **0.0**	H/C Sqft: **0**
12-002.0	Bed Rooms: **0**	Land Sch: **L1**
Land: **3,200**	Imp: **0**	Total: **3,200**
Acres: **0.000**	Sales Info: **06/01/2004**	**$3,800**

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SUMMARY LAND BUILDINGS SALES PHOTOGRAPHS MAPS

LAND COMPUTATION

	Code	Acerage	Square Foot	Market Value	CU. Value
LOTS 2	910 UNDEV. & UNUSED LAND	0	0	$3,200.00	

ROLLBACK/HOMESITE/MISCELLANEOUS

LEGAL DESCRIPTION

SUB DIVISON1: SMITHFIELD (NORTH) MAP BOOK: 1 PAGE: 149
SUB DIVISON2: MAP BOOK: 0 PAGE: 0

PRIMARY BLOCK: 11 SECONDARY BLOCK: 0
PRIMARY LOT: 15 SECONDARY LOT: 0

METES AND BOUNDS: N 38 FT LOTS 15 & 16 BLK 11 MAP OF SMITHFIELD (NORTH)

SALES INFORMATION

6/1/2004	$3,800.00	2	**BOOK:**200408 **PAGE:**004525	Land & Building
8/1/2002	$3,000.00	2	**BOOK:**200211 **PAGE:**007605	Land & Building

PARCEL #:	**22 00 35 2 016 014.000**
OWNER:	CITY OF BIRMINGHAM ALABAMA
ADDRESS:	710 NORTH 20TH STREET BIRMINGHAM AL 35203
LOCATION:	1010 4TH ST N BHAM AL 35204

	Baths: **0.0**	H/C Sqft: **0**
12-002.0	Bed Rooms: **0**	Land Sch: **L1**
Land: **3,200**	Imp: **0**	Total: **3,200**
Acres: **0.000**	Sales Info: **$0**	

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SUMMARY LAND BUILDINGS SALES PHOTOGRAPHS MAPS

LAND COMPUTATION

	Code	Acerage	Square Foot	Market Value	CU. Value
LOTS 2	910 UNDEV. & UNUSED LAND	0	0	$3,200.00	

ROLLBACK/HOMESITE/MISCELLANEOUS

LEGAL DESCRIPTION

SUB DIVISON1: SMITHFIELD (NORTH) MAP BOOK: 1 PAGE: 149
SUB DIVISON2: MAP BOOK: 0 PAGE: 0

PRIMARY BLOCK: 11 SECONDARY BLOCK: 0
PRIMARY LOT: 15 SECONDARY LOT: 0

METES AND BOUNDS: S 1/2 OF N 76 FT S OF LOTS 15- 16 BLK 11 MAP OF SMITHFIELD (NORTH)

SALES INFORMATION

No Sales Information on Record

PARCEL #:	**22 00 35 2 016 013.000**
OWNER:	CITY OF BIRMINGHAM ALABAMA
ADDRESS:	710 NORTH 20TH STREET BIRMINGHAM AL 35203
LOCATION:	1006 4TH ST N BHAM AL 35204

	Baths: **0.0**	H/C Sqft: **0**
12-002.0	Bed Rooms: **0**	Land Sch: **L1**
Land: **3,400**	Imp: **0**	Total: **3,400**
Acres: **0.000**	Sales Info: **$0**	

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SUMMARY LAND BUILDINGS SALES PHOTOGRAPHS MAPS

LAND COMPUTATION

	Code	Acerage	Square Foot	Market Value	CU. Value
LOTS 2	910 UNDEV. & UNUSED LAND	0	0	$3,400.00	

ROLLBACK/HOMESITE/MISCELLANEOUS

LEGAL DESCRIPTION

SUB DIVISON1: SMITHFIELD (NORTH) MAP BOOK: 1 PAGE: 149
SUB DIVISON2: MAP BOOK: 0 PAGE: 0

PRIMARY BLOCK: 11 SECONDARY BLOCK: 0
PRIMARY LOT: 15 SECONDARY LOT: 0

METES AND BOUNDS: N 40 FT S OF S 124 FT S OF LOTS 15 & 16 BLK 11 MAP OF SMITHFIELD (NORTH)

SALES INFORMATION

No Sales Information on Record

PARCEL #:	**22 00 35 2 016 012.000**		Baths: **0.0**	H/C Sqft: **0**
OWNER:	CITY OF BIRMINGHAM ALABAMA	**12-002.0**	Bed Rooms: **0**	Land Sch: **L1**
ADDRESS:	710 NORTH 20TH STREET BIRMINGHAM AL 35203	Land: **3,700**	Imp: **0**	Total: **3,700**
LOCATION:	1004 4TH ST N BHAM AL 35204	Acres: **0.000**	Sales Info: **$0**	

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SUMMARY LAND BUILDINGS SALES PHOTOGRAPHS MAPS

LAND COMPUTATION

	Code	Acerage	Square Foot	Market Value	CU. Value
LOTS 2	910 UNDEV. & UNUSED LAND	0	0	$3,700.00	

ROLLBACK/HOMESITE/MISCELLANEOUS

LEGAL DESCRIPTION

SUB DIVISON1: SMITHFIELD (NORTH) MAP BOOK: 1 PAGE: 149
SUB DIVISON2: MAP BOOK: 0 PAGE: 0

PRIMARY BLOCK: 11 SECONDARY BLOCK: 0
PRIMARY LOT: 15 SECONDARY LOT: 0

METES AND BOUNDS: N 44 FT S OF S 86 FT S LOTS 15 & 16 BLK 11 MAP OF SMITHFIELD (NORTH)

SALES INFORMATION

No Sales Information on Record

(Y)

PARCEL #:	**22 00 35 2 016 011.000**		Baths: **0.0**	H/C Sqft: **0**
OWNER:	CITY OF BIRMINGHAM ALABAMA	**12-002.0**	Bed Rooms: **0**	Land Sch: **L1**
ADDRESS:	710 NORTH 20TH STREET BIRMINGHAM AL 35203	Land: **3,500**	Imp: **0**	Total: **3,500**
LOCATION:	1000 4TH ST N BHAM AL 35204	Acres: **0.000**	Sales Info: **01/01/2006**	**$43,000**

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SUMMARY LAND BUILDINGS SALES PHOTOGRAPHS MAPS

LAND COMPUTATION

	Code	Acerage	Square Foot	Market Value	CU. Value
LOTS 2	910 UNDEV. & UNUSED LAND	0	0	$3,500.00	

ROLLBACK/HOMESITE/MISCELLANEOUS

LEGAL DESCRIPTION

SUB DIVISON1: SMITHFIELD (NORTH) MAP BOOK: 1 PAGE: 149
SUB DIVISON2: MAP BOOK: 0 PAGE: 0

PRIMARY BLOCK: 11 SECONDARY BLOCK: 0
PRIMARY LOT: 15& SECONDARY LOT: 0

METES AND BOUNDS: S 42 FT LOTS 15 & 16 BLK 11 MAP OF SMITHFIELD (NORTH)

SALES INFORMATION

1/1/2006	$43,000.00	1	**BOOK:**200860 **PAGE:**014974	Land & Building
4/1/1998	$10,000.00	2	**BOOK:**9804 **PAGE:**009077	Land & Building

PARCEL #:	**22 00 35 2 015 003.000**		Baths: **0.0**	H/C Sqft: **0**
OWNER:	BIRMINGHAM BD OF EDUCATION	**12-002.0**	Bed Rooms: **0**	Land Sch: **L1**
ADDRESS:	2015 PARK PL BIRMINGHAM AL 35203-2705	Land: **7,300**	Imp: **0**	Total: **7,300**
LOCATION:	1031 4TH ST N BHAM AL 35204	Acres: **0.000**	Sales Info: **$0**	

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SUMMARY LAND BUILDINGS SALES PHOTOGRAPHS MAPS

LAND COMPUTATION

		Code	Acerage	Square Foot	Market Value	CU. Value
LOTS	2	910 UNDEV. & UNUSED LAND	0	0	$4,000.00	
	2	910 UNDEV. & UNUSED LAND	0	0	$3,300.00	

ROLLBACK/HOMESITE/MISCELLANEOUS

LEGAL DESCRIPTION

SUB DIVISON1: SMITHFIELD (NORTH) MAP BOOK: 1 PAGE: 149
SUB DIVISON2: MAP BOOK: 0 PAGE: 0

PRIMARY BLOCK: 4 SECONDARY BLOCK: 0
PRIMARY LOT: 7 SECONDARY LOT: 0

METES AND BOUNDS: POB SE INTER OF 4TH ST N & 10TH CT N TH E 26 FT S ALG 10TH CT N TO RR R/W TH SE 90 FT S ALG RR R/W TH S 48 FT S TH W 100 FT TO 4TH ST N TH N 100 FT ALG 4TH ST N TO POB BEING PT OF LOTS 7 & 8 BLK 4 MAP OF SMITHFIELD (NORTH)

SALES INFORMATION

No Sales Information on Record

AA

PARCEL #:	**22 00 35 2 015 004.000**
OWNER:	CITY OF BIRMINGHAM ALABAMA
ADDRESS:	710 NORTH 20TH STREET BIRMINGHAM AL 35203
LOCATION:	1021 4TH ST N BHAM AL 35204

	Baths: **0.0**	H/C Sqft: **0**
12-002.0	Bed Rooms: **0**	Land Sch: **L1**
Land: **4,200**	Imp: **0**	Total: **4,200**
Acres: **0.000**	Sales Info: **10/01/1995**	**$39,000**

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SUMMARY LAND BUILDINGS SALES PHOTOGRAPHS MAPS

LAND COMPUTATION

	Code	Acerage	Square Foot	Market Value	CU. Value
LOTS 2	910 UNDEV. & UNUSED LAND	0	0	$4,200.00	

ROLLBACK/HOMESITE/MISCELLANEOUS

LEGAL DESCRIPTION

SUB DIVISON1: SMITHFIELD (NORTH) MAP BOOK: 1 PAGE: 149
SUB DIVISON2: MAP BOOK: 0 PAGE: 0

PRIMARY BLOCK: 4 SECONDARY BLOCK: 0
PRIMARY LOT: 7&8 SECONDARY LOT: 0

METES AND BOUNDS: N 50 FT OF S 100 FT OF LOTS 7 & 8 BLK 4 MAP OF SMITHFIELD (NORTH)

SALES INFORMATION

10/1/1995	$39,000.00	1	**BOOK:**9511 **PAGE:**006634	Land & Building

AB

PARCEL #:	**22 00 35 2 015 005.000**		Baths: **0.0**	H/C Sqft: **0**
OWNER:	CITY OF BIRMINGHAM ALABAMA	**12-002.0**	Bed Rooms: **0**	Land Sch: **L1**
ADDRESS:	710 NORTH 20TH STREET BIRMINGHAM AL 35203	Land: **4,200**	Imp: **0**	Total: **4,200**
LOCATION:	1017 4TH ST N BHAM AL 35204	Acres: **0.000**	Sales Info: **$0**	

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SUMMARY LAND BUILDINGS SALES PHOTOGRAPHS MAPS

LAND COMPUTATION

	Code	Acerage	Square Foot	Market Value	CU. Value
LOTS 2	910 UNDEV. & UNUSED LAND	0	0	$4,200.00	

ROLLBACK/HOMESITE/MISCELLANEOUS

LEGAL DESCRIPTION

SUB DIVISON1: SMITHFIELD (NORTH) MAP BOOK: 1 PAGE: 149
SUB DIVISON2: MAP BOOK: 0 PAGE: 0

PRIMARY BLOCK: 4 SECONDARY BLOCK: 0
PRIMARY LOT: 7&8 SECONDARY LOT: 0

METES AND BOUNDS: S 50 FT OF LOTS 7 & 8 BLK 4 SMITHFIELD (NORTH)

SALES INFORMATION

No Sales Information on Record

AC

PARCEL #:	**22 00 35 2 015 006.000**
OWNER:	CITY OF BIRMINGHAM ALABAMA
ADDRESS:	710 NORTH 20TH STREET BIRMINGHAM AL 35203
LOCATION:	1015 4TH ST N BHAM AL 35204

	Baths: **0.0**	H/C Sqft: **0**
12-002.0	Bed Rooms: **0**	Land Sch: **L1**
Land: **4,200**	Imp: **0**	Total: **4,200**
Acres: **0.000**	Sales Info: **$0**	

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Tax Year : 2024

SUMMARY LAND BUILDINGS SALES PHOTOGRAPHS MAPS

LAND COMPUTATION

	Code	Acerage	Square Foot	Market Value	CU. Value
LOTS 2	910 UNDEV. & UNUSED LAND	0	0	$4,200.00	

ROLLBACK/HOMESITE/MISCELLANEOUS

LEGAL DESCRIPTION

SUB DIVISON1: SMITHFIELD (NORTH) MAP BOOK: 1 PAGE: 149
SUB DIVISON2: MAP BOOK: 0 PAGE: 0

PRIMARY BLOCK: 4 SECONDARY BLOCK: 0
PRIMARY LOT: 9&10 SECONDARY LOT: 0

METES AND BOUNDS: N 50 FT OF LOTS 9 & 10 BLK 4 MAP OF SMITHFIELD (NORTH)

SALES INFORMATION

No Sales Information on Record

AD

PARCEL #:	**22 00 35 2 015 007.000**		Baths: **0.0** H/C Sqft: **0**
OWNER:	CITY OF BIRMINGHAM ALABAMA	**12-002.0**	Bed Rooms: **0** Land Sch: **L1**
ADDRESS:	710 NORTH 20TH STREET BIRMINGHAM AL 35203	Land: **4,200**	Imp: **0** Total: **4,200**
LOCATION:	1009 4TH ST N BHAM AL 35204	Acres: **0.000**	Sales Info: **02/01/1990 $16,000**

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SUMMARY LAND BUILDINGS SALES PHOTOGRAPHS MAPS

LAND COMPUTATION

	Code	Acerage	Square Foot	Market Value	CU. Value
LOTS 2	910 UNDEV. & UNUSED LAND	0	0	$4,200.00	

ROLLBACK/HOMESITE/MISCELLANEOUS

LEGAL DESCRIPTION

SUB DIVISON1: SMITHFIELD (NORTH) MAP BOOK: 1 PAGE: 149
SUB DIVISON2: MAP BOOK: 0 PAGE: 0

PRIMARY BLOCK: 4 SECONDARY BLOCK: 0
PRIMARY LOT: 9&10 SECONDARY LOT: 0

METES AND BOUNDS: S 50 FT OF N 100 FT LOTS 9 & 10 BLK 4 MAP OF SMITHFIELD (NORTH)

SALES INFORMATION

2/1/1990	$16,000.00	1	**BOOK:**17 **PAGE:**000930	Land & Building
7/1/1981	$15,000.00	1	**BOOK:**17 **PAGE:**000930	Land & Building

The subject property is a 5.14-acre tract of land and a parking lot on the south portion. The area consists of residential, commercial and vacant land.

4.3 EXTERIOR OBSERVATIONS

There was no indication of wetland vegetation found on the subject property. We did not note any drainage features, jurisdictional waters or waters of the state.

Petroleum Products

There were no current indications of petroleum products located on the subject property.

Hazardous Materials

No use of hazardous substances is known to occur at the property.

Drums or Containers

There were no current indications of drums or containers located on the subject property.

Underground Storage Tanks (UST's)/Aboveground Storage Tanks (AST's)

GIBCO reviewed the Alabama online underground, above ground and leaking storage tank database. No records of underground, aboveground or leaking underground storage tanks were found for the subject property. GIBCO did not observe any apparent evidence of existing or former USTs or ASTs.

Intermodal Shipping Containers

There were no current indications of intermodal shipping containers at the subject property.

Indications of Polychlorinated Biphenyls (PCBs)

Polychlorinated biphenyls (PCBs) are a chemical component of many dielectric fluids, heat transfer fluids, hydraulic fluids, lubricating oils, paints, or coatings manufactured prior to July 2, 1979. Equipment that may potentially contain PCBs includes electrical equipment such as transformers or capacitors or hydraulically operated equipment, such as elevators, compaction equipment, or manufacturing equipment. The manufacture and distribution in commerce of PCBs was banned for use in 1979 by the United States Congress, which enacted the Toxic Substance and Control Act (TSCA). No PCB transformers were found on the property.

Pits, Ponds & Lagoons

No evidence of pits, ponds and/or lagoons was noted on the subject property.

Odors

No significant odors were noted on the subject property.

Stained Soil or Pavement

No evidence of significantly stained soil or pavement was noted on the subject property.

Pools of Liquid

No unidentified pools of liquid were noted on the subject property.

Stressed Vegetation

No evidence of stressed vegetation anticipated to be caused by contamination was noted on the subject property.

Solid Waste Disposal

No solid waste concerns were noted on the subject property.

Medical/biological wastes/ X-ray or other radioactive activities

No medical or biological wastes were observed. No x-ray or other radioactive activities were observed or reported.

Drains and Sumps

No drains or sumps were noted on the subject property. In addition, no oil-water separators or oil clarifiers were observed or reported.

Septic Systems

No septic systems are present on the subject property.

Storm/Waste Water

Wastewater and storm water are discharged into public drainage and wastewater systems.

Wells

No evidence of dry wells, water wells, monitoring wells, irrigation wells, injection wells or abandoned wells was noted on the subject property.

4.4 INTERIOR OBSERVATIONS

There are no structures.

4.5 CURRENT AND PAST USES OF THE SUBJECT PROPERTY (including property ownership history)

The subject property is currently operated as a vacant land and a parking lot since approximately 2015. The 1911 Sanborn Map shows it had residential uses so it was developed prior to 1911. The 1950 Sanborn Map showed residential, a church and an auto repair in a garage behind the residence at 304 10th Avenue North. It remained residential until 2011 when it was vacant and residential. In 2015 the parking lot appears on the aerial photo. The Birmingham Board of Education acquired the property in 2010 and the City of Birmingham Acquired the property in September 2023. Various individuals owned the lots from prior to

1940.

Past Uses of subject property per review of Aerial Photos and Sanborn Insurance Maps:

Year	Subject Property
2019	Parking lot and vacant
2015	Parking lot and vacant
2011	Residential & Vacant
2006	residential
1997	residential
1992	residential
1988	residential
1981	residential
1977	residential
1970	residential
1967	residential
1960	residential
1956	residential
1951	residential
1947	residential
1941	residential

4.6 CURRENT AND PAST USES OF ADJOINING PROPERTIES

Current Uses of the adjoining properties:

Adjoining East	Adjoining West	Adjoining South	Adjoining North
vacant	residential	Sports stadium	Vacant

Past uses of the adjoining properties per review of aerial photos and Sanborn Insurance Maps:

	AERIAL PHOTO SUMMARY			
Year	**Adjoining East**	**Adjoining West**	**Adjoining South**	**Adjoining North**
2019	vacant	residential	Sports stadium	Vacant
2015	vacant	residential	Sports stadium	Vacant
2011	vacant	residential	Vacant	Residential & Vacant
2006	Residential & Vacant	residential	residential	Residential & Vacant
1997	Residential & Vacant	residential	residential	Residential & Vacant
1992	Residential & Vacant	residential	residential	Residential & Vacant
1988	Residential & Vacant	residential	residential	Residential & Vacant
1981	residential	residential	residential	Residential & Vacant
1977	residential	residential	residential	Residential & Vacant
1970	residential	residential	residential	Residential & Vacant
1967	residential	residential	residential	Residential & Vacant
1960	residential	residential	residential	Residential & Vacant
1956	residential	residential	residential	Residential & Vacant
1951	residential	residential	residential	Residential & Vacant
1947	residential	residential	residential	Residential & Vacant
1941	residential	residential	residential	Residential & Vacant

Sanborn Insurance Map Summary				
Year	**Adjoining East**	**Adjoining West**	**Adjoining South**	**Adjoining North**
1969	Residential	Residential, restaurant	Residential	Residential
1950	Residential	Residential	Residential	Residential
1928	Residential	Residential	Residential	Residential
1911	Residential	Residential	Residential	Residential

4.7 CURRENT AND PAST USES IN SURROUNDING AREA

The surrounding area has vacant land to the north; vacant to the east; Residential to the west; and a sports stadium to the south. The past uses in the surrounding area substantially the same back to 2015 when the sports stadium first appeared on the aerial photos. Form 1911 to 2006 the area was substantially residential and vacant land, with varying densities due to construction in the earlier years and demolition in the later years.

5.0 RECORDS REVIEW

5.1 PHYSICAL SETTING SOURCE(S)

GIBCO reviewed several sources of publications such as the United States Geological Survey (USGS), the Federal Emergency Management Agency (FEMA) Maps, the United States Department of Agriculture (USDA) Soil Survey, and EDR, Inc. to gather information pertaining to the subject property and its vicinity's physical setting source.

5.1.1 Topography, Surface Water, and Hydrogeology

The United States Geological Survey (USGS), 16667606 BIRMINGHAM NORTH, AL Quadrangle 7.5-Minute series topographic map was reviewed for this Phase I ESA. This map was published by the USGS in 2020. According to the contour lines on the topographic map, the elevation of the subject property is approximately 593 feet above mean sea level. The contour lines in the area of the subject property indicate the area has a slope, generally to the south southeast. There are no surface water bodies located on the subject property. According to data in the EDR report, the depth to groundwater is estimated to be greater than 46 inches below ground level.

The anticipated direction of groundwater flow is to the south southeast. The direction of flow is based on the USEPA Ground Water Handbook, Vol.1 Ground Water and Contamination, September 1990, the water table typically conforms to surface topography. This means the direction of flow for shallow groundwater is generally from higher elevations to lower elevations. Localized flow direction may vary as a result of tide, rainfall, development, geologic characteristics, nearby surface water bodies, underground utilities such as storm drains, septic systems and sewers, or other influences such as the presence of high-volume wells.

5.2.2 Geology

In general, contaminant plumes move more quickly through sandy-gravelly types of soils than silty-clayey types of soils. Groundwater flow velocity information for a particular site is best determined by a qualified environmental professional using site specific geologic and soil strata data. If such data are not reasonably ascertainable, it may be necessary to rely on other sources of information, including geologic age identification, rock stratigraphic unit and soil characteristics data collected on nearby properties and regional soil information. The EDR report lists the following:

GEOLOGIC INFORMATION IN GENERAL AREA OF TARGET PROPERTY

Geologic information can be used by the environmental professional in forming an opinion about the relative spe at which contaminant migration may be occurring.

ROCK STRATIGRAPHIC UNIT		GEOLOGIC AGE IDENTIFICATION	
Era:	Paleozoic	Category:	Stratified Sequence
System:	Cambrian		
Series:	Cambrian		
Code:	C *(decoded above as Era, System & Series)*		

Geologic Age and Rock Stratigraphic Unit Source: P.G. Schruben, R.E. Arndt and W.J. Bawiec, Geology of the Conterminous U.S. at 1:2,500,000 Scale - a digital representation of the 1974 P.B. King and H.M. Beikmar Map, USGS Digital Data Series DDS - 11 (1994).

5.1.3 Soils

The subject property is situated above Paleozoic-age bedrock. The soil on the subject property belongs to the FULLERTON series and is characterized as gravelly silt loam that is Class B Moderate infiltration rate and is well drained with moderately coarse textures. The hydric status is partially hydric.

5.2 DATABASE REPORT (Discuss all listed regulated facilities, other notable facilities, and orphan facilities)

Any regulated facilities, other notable facilities and orphan facilities are discussed fully in the following sections of the report.

5.2.1 Search Distances – from latitude and longitude (ASTM distances plus Delisted NPL one mile, AST one mile, UST 0.5 mile, LUST 0.5 mile, Historic Auto Facilities 0.5 mile, and Historic Dry Cleaners 0.5 mile)

An extensive record search was done for the surrounding area, including an environmental radius record search. The radius search distances chosen were selected using the American Standard Testing Materials (ASTM) guidelines and AHFA Minimums. Only the sites listed in the report are shown; additional sites may exist. The scope of the radius search included, but was not limited to, a review of the following Federal Regulatory Agency Databases, list, and records including the U.S.E.P.A. NPL (1-mile radius), NPL Liens list (1-mile radius), Proposed NPL (1-mile radius), Delisted NPL (1-mile radius), RCRIS TSD (1-mile radius), RAATS (1-mile radius), CORRACTS (1-mile radius), CERCLIS (1-mile radius), CERC-NFRAP (¼-mile radius), RCRIS (SQG & LQG ½-mile radius), TRIS (½-mile radius), ERNS (½-mile radius), State Hazardous. Waste (1-mile radius), State Landfill (½-mile radius), AST (1 mile radius), LUST (½-mile radius), UST (½-mile radius), CONSENT (1-mile radius), ROD (1-mile radius), TSCA (½-mile radius), FINDS (½- mile radius), PADS (½-mile radius), HMIRS (½-mile radius), MLTS (¼-mile radius), MINES (¼-mile radius), FTTS (Subject Property), SSTS (Subject Property), National Radon Database (area zip code) and all applicable state environmental departments databases. All of these sites were mapped using EPA's Enviromapper and information regarding these sites was obtained by EPA's Envirofacts. These sites are included, where applicable, in this report. Any sites that were found and reported in the radius records search by EDR are explained in the following sections of this report.

Environmental Data Resources, Inc. (EDR) of Southport, Connecticut was employed as independent consultants to conduct an environmental records search meeting the requirements of ASTM Standard Practice for Environmental Site Assessments E 1527-21 and EPA's Standards and Practices for All Appropriate Inquiries (AAI). EDR Report-#752167.2s is included as an exhibit. These reports indicate that there are sites listed within the search distances. **Search Distances were increased to comply with**

AHFA minimums. The search distance extends from the subject property boundary lines rather than a point on the subject property. **The stated measured distance to sites is the field verified distance.**

5.2.2 Mappable Sites (EP must field-verify the distance to any facilities identified)

The following is a listing of the mapped sites. In Section 5.2 we discuss our findings, and the field measurement distances to each.

MAP ID	SITE NAME	ADDRESS	DATABASE ACRONYMS	RELATIVE ELEVATION	DIST (ft. & mi.) DIRECTION
A1	LEMONS GARAGE AUTO R	304 10TH AVE N	EDR Hist Auto	Lower	1 ft.
B2	WEST HIGHLAND CLNRS	1049 3RD ST N	EDR Hist Cleaner	Higher	74, 0.014, NW
B3	HALF HR INDRY SELF S	1053 3RD ST N	EDR Hist Cleaner	Higher	94, 0.018, NW
A4	LEMON HUGH L	1012 3RD ST N	EDR Hist Auto	Lower	114, 0.022, West
C5	WHITE J S PHILLIP CL	1024 5TH ST N	EDR Hist Cleaner	Higher	221, 0.042, ENE
C6	RIGBY OLLIE CLO CLNR	1022 5TH ST N	EDR Hist Cleaner	Higher	238, 0.045, East
C7	LONGS AUTO CLINIC AU	1050 5TH ST N	EDR Hist Auto	Higher	339, 0.064, NE
8	WHITE J S PHILIP CLD	1000 5TH ST N	EDR Hist Cleaner	Higher	350, 0.066, ESE
D9	LEMON HUGH L C AUTO	948 3RD ST N	EDR Hist Auto	Lower	405, 0.077, SSW
D10	WM SANDERS DCLO CLNR	904 3RD ST N	EDR Hist Cleaner	Lower	445, 0.084, SSW
11	GEORGES LAUNDROMAT	231 9TH CT N	EDR Hist Cleaner	Lower	671, 0.127, SW
12	FOURTH AVENUE SHELL	1100 4TH ST N	EDR Hist Auto	Higher	695, 0.132, North
13	BRUNO SERVICE STA GA	308 11TH CT N	EDR Hist Auto	Higher	1008, 0.191, North
14	BECO CLEANING CO	831 4TH ST N	EDR Hist Cleaner	Lower	1046, 0.198, South
E15	KEMPS CLEANERS	208 11TH CT N	EDR Hist Cleaner	Higher	1103, 0.209, NNW
E16	BARHAM JAS H C FILL	208 11TH CT N	EDR Hist Auto	Higher	1103, 0.209, NNW
17	BURGESS TONY DLO CLN	630 9TH AVE N	EDR Hist Cleaner	Lower	1290, 0.244, SE
E18	ELEVENTH COURT STAND	1140 BANKHEAD HWY N	EDR Hist Auto	Higher	1378, 0.261, NNW
19	THOMAS BENJ CLO CLNR	1201 4TH PL N	EDR Hist Cleaner	Higher	1411, 0.267, North
F20	TWENTY FOUR HOUR LAU	400 8TH AVE N	EDR Hist Cleaner	Lower	1539, 0.291, South
F21	HIGH HATS CLNS REAR	416 8TH AVE N	EDR Hist Cleaner	Lower	1547, 0.293, SSE
G22	ARNOLD SHERMAN MECHA	820 6TH ST N	EDR Hist Auto	Lower	1551, 0.294, SE
H23	OLD SCHOOL BOARD PRO	BLOCK 257, 8TH AVENU	US BROWNFIELDS, FINDS	Lower	1559, 0.295, SSW
I24	2 NEW SUNSHINE LNDRY	303 8TH AVE N	EDR Hist Cleaner	Lower	1559, 0.295, South
H25	MACKS AMOCO SERVICE	301 8TH AVE N	EDR Hist Auto	Lower	1559, 0.295, South
H26	MACKS FABRIC CARE LA	301 8TH AVE N	EDR Hist Cleaner	Lower	1559, 0.295, South
I27	JOHNSONS CLEANERS	321 8TH AVE N	EDR Hist Cleaner	Lower	1560, 0.295, South
F28	WALKER ROSS DCLO CLN	405 8TH AVE N	EDR Hist Cleaner	Lower	1580, 0.299, South
F29	JOHN ST REPAIR SHOP	726 4TH ST N	EDR Hist Auto	Lower	1609, 0.305, South
30	WEST HIGHLAND CLEANE	1227 3RD ST N	EDR Hist Cleaner	Higher	1669, 0.316, North
J31	SMITH JACK C AUTO RE	516 8TH AVE N	EDR Hist Auto	Lower	1706, 0.323, SSE
J32	HAWKINS SERV STA	518 8TH AVE N	EDR Hist Auto	Lower	1709, 0.324, SSE
G33	JONES OSCAR J AUTO R	805 6TH ST N	EDR Hist Auto	Lower	1713, 0.324, SSE
J34	JONES OSCAR AUTO REP	517 8TH AVE N	EDR Hist Auto	Lower	1745, 0.330, SSE
J35	STEWART CLEANERS	521 8TH AVE N	EDR Hist Cleaner	Lower	1771, 0.335, SSE
J36	JOHNSON ALEX A	523 8TH AVE N	EDR Hist Cleaner	Lower	1785, 0.338, SSE
37	B C W CLEANERS DYERS	103 8TH AVE N	EDR Hist Cleaner	Lower	1809, 0.343, SW
G38	SMITHFIELD DRY CLEAN	608 8TH AVE N	EDR Hist Cleaner	Lower	1834, 0.347, SSE
K39	WALKER ST SERV STA F	700 8TH AVE N	EDR Hist Auto	Lower	1840, 0.348, SE

MAP ID	SITE NAME	ADDRESS	DATABASE ACRONYMS	RELATIVE ELEVATION	DIST (ft. & mi.) DIRECTION
K40	SPEEDY WASH LAUNDERE	714 8TH AVE N	EDR Hist Cleaner	Lower	1846, 0.350, SE
J41	GULF COAST OIL CO BR	601 7TH AVE N	EDR Hist Auto	Lower	1847, 0.350, SSE
K42	SELF SERV LNDRY	718 8TH AVE N	EDR Hist Cleaner	Lower	1848, 0.350, SE
K43	HUNTER GEO CLO CLNR	728 8TH AVE N	EDR Hist Cleaner	Lower	1848, 0.350, SE
K44	J J NELSON AUTO REPR	804 8TH AVE N	EDR Hist Auto	Lower	1854, 0.351, SE
K45	800 2 G W HARDY GARA	802 8TH AVE N	EDR Hist Auto	Lower	1855, 0.351, SE
K46	800 2 G W HARDY GARA	800 8TH AVE N	EDR Hist Auto	Lower	1855, 0.351, SE
K47	GULF COAST SERVICE S	601 8TH AVE N	EDR Hist Auto	Lower	1870, 0.354, SSE
K48	MATHERSONS GULF SERV	707 8TH AVE N	EDR Hist Auto	Lower	1881, 0.356, SE
K49	STEWART CLEANERS & D	725 8TH AVE N	EDR Hist Cleaner	Lower	1888, 0.358, SE
K50	LEMON HUGH L AUTO RE	723 8TH AVE N	EDR Hist Auto	Lower	1888, 0.358, SE
K51	STEWART CLEANERS & D	723 8TH AVE N	EDR Hist Cleaner	Lower	1888, 0.358, SE
K52	JOHN HORTON CLO CLNR	727 8TH AVE N	EDR Hist Cleaner	Lower	1888, 0.358, SE
K53	LEWIS H EDWIN FILLIN	801 8TH AVE N	EDR Hist Auto	Lower	1894, 0.359, SE
K54	R C STEVERSON AUTO	901 8TH AVE N	EDR Hist Auto	Lower	1903, 0.360, SE
L55	HAND OVER CLEANING C	905 8TH AVE N	EDR Hist Cleaner	Lower	1906, 0.361, SE
L56	HAND OVER CING CO	907 8TH AVE N	EDR Hist Cleaner	Lower	1909, 0.362, SE
L57	921 23 STEWART CINS	921 8TH AVE N	EDR Hist Cleaner	Lower	1948, 0.369, SE
K58	J &J FOOD MART	707 8TH AVE N & ABRA	UST, HIST UST, Financial Assurance	Lower	1953, 0.370, SE
M59	S & S LAUNDRY CO	1121 9TH AVE N	EDR Hist Cleaner	Lower	1982, 0.375, ESE
K60	STEVENSONS GARAGE	723 9TH ST N	EDR Hist Auto	Lower	2001, 0.379, SE
K61	LUXE BODY & FENDER S	721 9TH ST N	EDR Hist Auto	Lower	2012, 0.381, SE
62	ENON RIDGE CINRS	1239 4TH PL N	EDR Hist Cleaner	Higher	2027, 0.384, NNE
63	SAML CAMPBELL	903 12TH CT N	EDR Hist Cleaner	Lower	2039, 0.386, East
K64	TO THE RESCUE CARPET	716 9TH ST N	EDR Hist Cleaner	Lower	2078, 0.394, SE
65	CASH & CARRY/NEW SSA	BLOCK 13, 8TH AVENUE	US BROWNFIELDS, FINDS	Lower	2081, 0.394, SW
M66	BERRYS LAUNDRY	1127 9TH AVE N	EDR Hist Cleaner	Lower	2082, 0.394, ESE
L67	SPEEDS GARAGE AUTO R	730 9TH ST N	EDR Hist Auto	Lower	2129, 0.403, SE
N68	CLEVELAND SERV STA	1028 8TH AVE N	EDR Hist Auto	Lower	2154, 0.408, ESE
69	JOHNSO I SERV STA	1031 13TH ST N	EDR Hist Auto	Higher	2188, 0.414, ENE
70	BLAKE AUTO SERV	723 10TH ST N	EDR Hist Auto	Lower	2190, 0.415, SE
O71	BEST WAY CLEANERS	1104 13TH ST N	EDR Hist Cleaner	Higher	2199, 0.416, ENE
P72	WM BRYANT CLO PRSR	528 4TH ST N	EDR Hist Cleaner	Lower	2218, 0.420, South
P73	BANKS CHAS	517 4TH ST N	EDR Hist Cleaner	Lower	2234, 0.423, South
O74	DIXIE AUTOMAT SELF S	1105 13TH ST N	EDR Hist Cleaner	Higher	2244, 0.425, ENE
75	CLOSE UP CARPET CLEA	116 10TH CT W	EDR Hist Cleaner	Higher	2255, 0.427, West
Q76	BURRELL GARAGE AUTO	818 12TH ST N	EDR Hist Auto	Lower	2272, 0.430, ESE
N77	W D SIMS AUTO REPR	1100 8TH AVE N	EDR Hist Auto	Lower	2272, 0.430, ESE
N78	ODAY AMATURE WORKS A	1108 8TH AVE N	EDR Hist Auto	Lower	2301, 0.436, ESE

MAP ID	SITE NAME	ADDRESS	DATABASE ACRONYMS	RELATIVE ELEVATION	DIST (ft. & mi.) DIRECTION
N79	LAUDERDALE MC KINLEY	1101 8TH AVE N	EDR Hist Cleaner	Lower	2305, 0.437, ESE
N80	REBEL OIL CO STATION	1103 8TH AVE N	EDR Hist Auto	Lower	2311, 0.438, ESE
O81	CARPENTER OIL CO FIL	1133 13TH ST N	EDR Hist Auto	Higher	2326, 0.441, ENE
R82	EQUIPMENT SERVICE CO	938 7TH AVE N	EDR Hist Auto	Lower	2376, 0.450, SE
83	DUNCANS AUTO SHOP	919 13TH ST N	EDR Hist Auto	Higher	2387, 0.452, East
S84	OB THOMAS & BRUCE	600 6TH AVE N	EDR Hist Auto	Lower	2424, 0.459, SSE
R85	UNITED TURBO & FUEL	621 9TH ST N	EDR Hist Auto	Lower	2455, 0.465, SE
P86	WALKERS CLEANERS	400 GRAYMONT ALY N	EDR Hist Cleaner	Lower	2463, 0.466, South
P87	FENTON CLNRS C	328 GRAYMONT AVE N	EDR Hist Cleaner	Lower	2476, 0.469, South
88	400 402 WALKERS CLNS	402 GRAYMONT AVE N	EDR Hist Cleaner	Lower	2481, 0.470, South
89	WEBB WM H AUTO REPR	517 13TH AVE N	EDR Hist Auto	Higher	2482, 0.470, NNE
T90	JOHNSONS CLEANERS CL	200 GRAYMONT AVE N	EDR Hist Cleaner	Lower	2492, 0.472, SSW
T91	BIG DIP LAUNDROMAT S	202 GRAYMONT AVE N	EDR Hist Cleaner	Lower	2501, 0.474, SSW
U92	WILLIS COAL & SERVIC	432 GRAYMONT AVE N	EDR Hist Auto	Lower	2501, 0.474, SSE
V93	BATES CLEANERS	102 8TH AVE W	EDR Hist Cleaner	Lower	2517, 0.477, SW
U94	DOBBINS PURE STATION	432 GRAYMONT AVE & 5	UST, Financial Assurance	Lower	2518, 0.477, SSE
Q95	GARFIELDS TRANSMISSI	1205 8TH AVE N	EDR Hist Auto	Lower	2525, 0.478, ESE
Q96	JONES GARAGE AUTO R	1207 8TH AVE N	EDR Hist Auto	Lower	2529, 0.479, ESE
R97	MASTERCARE INC CARPE	617 9TH ST N	EDR Hist Cleaner	Lower	2530, 0.479, SE
R98	JIM BURKE AUTOMOTIVE	931 7TH AVE N	UST, Financial Assurance	Lower	2542, 0.481, SE
99	BARKER CLEANERS C	1300 CENTER ST N	EDR Hist Cleaner	Higher	2574, 0.488, NW
100	LA DAME LAUNDRY & CL	1235 8TH AVE N	EDR Hist Cleaner	Lower	2585, 0.490, ESE
V101	FENTON CLNS	104 8TH AVE W	EDR Hist Cleaner	Lower	2593, 0.491, SW
T102	MONARCH CLNS BR	201 GRAYMONT AVE N	EDR Hist Cleaner	Lower	2616, 0.495, SSW
103	DEE CLEANERS & SHOE	526 GRAYMONT AVE N	EDR Hist Cleaner	Lower	2631, 0.498, SSE
S104	SMITH & HAMBY AUTO C	701 6TH AVE N	LUST	Lower	2633, 0.499, SSE
S105	CENTRAL RADIATOR	701 6TH AVE N	EDR Hist Auto	Lower	2633, 0.499, SSE
106	WOCO PEP SERVICE STA	1101 7TH AVE S	EDR Hist Auto	Lower	2637, 0.499, ESE
107	REYNOLDS METALS	1516 3RD STREET W	SHWS	Lower	3901, 0.739, NW
108	B&G AUTO TRANSPORT	1600 3RD STREET W	SHWS, VCP	Lower	4205, 0.796, NW
109	BUFFALO ELECTRIC CO	801 2ND AVE N	AST	Lower	4504, 0.853, SSE
110	BIRMINGHAM GAS WORKS	E OF N 13TH BWN 2ND	EDR MGP	Lower	4895, 0.927, ESE
111	AT&T COMMUNICATIONS	1715 6TH AVE N	AST	Higher	5044, 0.955, East
112	APCO CORPORATE HEADQ	600 N 18TH ST	AST	Higher	5048, 0.956, East
113	LA LAW CERT. AUTO DR	229 3RD AVE W BIRMIN	SHWS	Lower	5117, 0.969, SSW
114	MINDIS METALS	515 1ST AVE N	AST	Lower	5160, 0.977, SSE

These are discussed in the sections below.

The subject property is not listed in the regulatory databases reviewed.

NPL: Federal National Priority List

The National Priority list (NPL) is a subset of CERCLIS and identifies over 1,200 sites for priority Clean up under the Superfund Program. NPL sites may encompass relatively large areas. Environmental Data Resources, Inc. searched the NPL list for sites within a 1-mile radius of the subject property. No NPL site

was listed within this radius.

Proposed NPL: Federal National Priority List

The National Priority list (NPL) is a subset of CERCLIS and identifies over 1,200 sites for priority Clean up under the Superfund Program. Proposed NPL sites may encompass relatively large areas. Environmental Data Resources, Inc. searched the Proposed NPL list for sites within a 1-mile radius of the subject property. No Proposed NPL site was listed within this radius.

Federal NPL LIENS: Federal Superfund Liens

Under the authority granted the USEPA by the comprehensive Environmental Response, Compensation and Liability Act (CERCLA) of 1980, the USEPA has the authority to file liens against real property in order to recover remedial action expenditures or when the property owner receives notification of potential liability. USEPA compiles a listing of filed notices of Superfund Liens. Environmental Data Resources, Inc. searched this list for sites within 1-mile radius of the subject property. No sites were listed within this radius.

Federal Delisted NPL Site 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. No sites were listed within a one-mile radius.

Federal CERCLIS/Superfund List

The *Comprehensive Environmental Response, Cleanup, and Liability Information System* (CERCLIS) list is a database that contains information on over 34,000 sites identified as abandoned, inactive, or uncontrolled hazardous waste sites which may require cleanup. This list is consulted in a Phase I Environmental Site Assessment to determine if any known sites are within close proximity of the subject property and could possibly environmentally impact the subject property. There are no CERCLIS sites listed within ½ mile radius of the subject property.

Federal CERCLIS-NFRAP

As of February 1995, sites designated "No Further Remedial Action Planned" (NFRAP) have been removed from CERCLIS. NFRAP sites are those where, following an initial investigation, contamination

was removed quickly without the need for the site to be placed on the NPL, or the contamination was not serious enough to require Federal Superfund action or NPL consideration. EPA has removed approximately 25,000 NFRAP sites to lift the unintended barriers to the redevelopment of these properties and has archived them as historical records so EPA does not needlessly repeat the investigations in the future.

This policy change is part of the EPA's Brownfield's Redevelopment Program to help cities, states, private investors and affected citizens to promote economic redevelopment of unproductive urban sites. No CERCLIS-NFRAP site as listed by Environmental Data Resources, Inc. was within ½ -mile radius of the subject property.

Federal CORRACTS: Corrective Action Report List

CORRACTS identifies hazardous waste handlers with RCRA corrective action activity. No CORRACTS site was listed within 1-mile radius of the subject property:

Federal RCRA non-CORRACTS-TSD

The Resource Conservation and Recovery Information System (RCRIS) list includes selective information on sites that transport, store, and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). No RCRIS-TSD site was listed within a ½ mile radius of the subject property.

RCRA-LQG: Resource Conservation and Recovery Act

The Resource Conservation and Recovery Act info (RCRA) list includes selective information on sites that generate large quantities of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). There are no RCRA-LQG sites listed on the EDR report within 1/4-mile radius of the subject property.

RCRA-SQG: Resource Conservation and Recovery Act

The Resource Conservation and Recovery Act info (RCRA) list includes selective information on sites that generate small quantities of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). There are no RCRA-SQG sites listed on the EDR report within 1/4-mile radius of the subject property.

RCRA-VSQG: Resource Conservation and Recovery Act

The Resource Conservation and Recovery Act info (RCRA) list includes selective information on sites

that generate small quantities of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). There are no RCRA-VSQG sites listed on the EDR report within 1/4-mile radius of the subject property.

Federal Institutional Controls (US INST CONTROL)

This is a listing of sites with institutional controls in place. Institutional controls include administrative measures, such as groundwater use restrictions, construction restrictions, property use restrictions, and post remediation care requirements intended to prevent exposure to contaminants remaining on site. Deed restrictions are generally required as part of the institutional controls. The subject property is not listed in the database.

Federal Engineering Controls (US ENG CONTROL)

This is a listing of sites with engineering controls in place. Engineering controls include Various forms of caps, building foundations, liners and treatment methods to create pathway elimination for regulated substances to enter environmental media or effect human health. The subject property is not listed in the database.

Land Use Control Information System (LUCIS)

LUCIS contains records of land use control information pertaining to the former Navy Base Realignment and Closure properties.

The subject property is not listed in this database.

ERNS: Emergency Response Notification System

The subject property does not appear on the ERNS listing.

SHWS

State Hazardous Waste Site (SHWS) records are the states' equivalent to NPL and CERCLIS. These sites may or may not already be listed on the federal CERCLIS list. Priority sites planned for cleanup using state funds (state equivalent of Superfund) are identified along with sites where potentially responsible parties will pay for cleanup. Sites were listed within 1-mile radius of the subject property on the EDR report.

Lower Elevation	Address	Direction / Distance
REYNOLDS METALS Database: SHWS, Date of Government Version: 11/02/2023 Facility ID: 9632	1516 3RD STREET W	NW 1/2 - 1 (0.739 mi.)
B&G AUTO TRANSPORT Database: SHWS, Date of Government Version: 11/02/2023 Facility ID: 9631	***1600 3RD STREET W***	***NW 1/2 - 1 (0.796 mi.)***
LA LAW CERT. AUTO DR Database: SHWS, Date of Government Version: 11/02/2023 Facility ID: 9336	229 3RD AVE W BIRMIN	SSW 1/2 - 1 (0.969 mi.)

LA Law Cert Auto Dr measures 5,110 feet south southwest of the subject property. Due to distance, it is not an environmental concern for the subject property.

Reynolds Metals measures 3,901 feet northwest of the subject property. Due to distance, it is not an environmental concern for the subject property.

B&G Auto Transport measures 4,205 feet south southwest of the subject property. Due to distance, it is not an environmental concern for the subject property.

State Solid Waste Facilities/Landfill Sites

State Solid Waste Facilities/Landfill Sites records typically contain an inventory of solid waste disposal facilities or landfills in a particular state. Depending on the state, these may be active or inactive facilities or open dumps that failed to meet RCRA Subtitle D Section 4004 criteria for solid waste landfills or disposal sites. Solid Waste Facilities/Landfill Sites were not listed within ½-mile radius of the subject property.

State LUST: Leaking Underground Storage Tank List

LUST sites are located within a ½ mile radius of the subject property. Any tanks not registered with the state, or any abandoned tanks, would not be listed. All leaking underground storage tanks (LUSTs) must be registered.

Lower Elevation	Address	Direction / Distance
SMITH & HAMBY AUTO C Facility ID: 000000	701 6TH AVE N	SSE 1/4 - 1/2 (0.499 mi.)

Smith & Hamby measures 4,205 feet south southeast of the subject property. The status is NFA. Due to distance and status, it is not an environmental concern for the subject property.

State HIST LUST: Historic Leaking Underground Storage Tank List

This listing includes detailed information for Leaking Underground Storage Tanks reported through November 1999. It is no longer updated. Current LUST incidents, without detail, can be found in the Leaking Underground Storage Tank Database. There are no HIST LUST sites reported within 0.5 miles of the subject property.

State UST: Registered Underground Storage Tank List

All underground storage tanks (USTs) must be registered. A review of the registered UST list, INDIAN UST List, HIST UST list and FEMA UST list indicates there are no registered UST sites on the subject property and none on the adjoining properties. There are USTs within one-half mile of the subject property.

Lower Elevation	Address	Direction / Distance
J &J FOOD MART Facility ID: 24797 73 15841	*707 8TH AVE N & ABRA*	*SE 1/4 - 1/2 (0.370 mi.)*
DOBBINS PURE STATION Facility ID: 13567 73 2482	*432 GRAYMONT AVE & 5*	*SSE 1/4 - 1/2 (0.477 mi.)*
JIM BURKE AUTOMOTIVE Facility ID: 12752 73 13993	*931 7TH AVE N*	*SE 1/4 - 1/2 (0.481 mi.)*

J&J Food Mart measures 1,950 feet southeast of the subject property line. This site is not an environmental concern for the subject property due to distance and no reported leaks.

Dobbins Pure Station measures 2,500 feet south southeast of the subject property line. Tanks were removed in 1992. This site is not an environmental concern for the subject property due to distance, status and no reported leaks.

Jim Burke Automotive measures 2,522 feet southeast of the subject property line. Tanks were removed in 1989. This site is not an environmental concern for the subject property due to distance, status and no reported leaks.

Local Lists of Registered Storage Tanks

Storage tank sites removed from the UST database are added to the HIST UST database.

A review of the HIST UST list, as provided by EDR, and dated 05/15/2023 has revealed that there is 1 HIST UST site within approximately 0.5 miles of the target property.

Lower Elevation	Address	Direction / Distance	Map ID
J &J FOOD MART Facility ID: 15319 117 15841 Facility ID: 15319 73 15841	*707 8TH AVE N & ABRA*	*SE 1/4 - 1/2 (0.370 mi.)*	*K58*

This site is discussed in the State UST Section above.

STATE AST: Above Ground Storage Tank

The Aboveground Storage Tank database contains registered ASTs. The data come from the Department of Environmental Management's AST Data with Owner/Site/Tank Information database. There are ASTs listed within one mile of the subject property. In addition to the database review, we conducted a field search for ASTs located within 1 mile of the subject property line.

Equal/Higher Elevation	Address	Direction / Distance
AT&T COMMUNICATIONS Facility Id: 10327 73 2025	1715 6TH AVE N	E 1/2 - 1 (0.955 mi.)
APCO CORPORATE HEADQ Facility Id: 10146 73 11545	600 N 18TH ST	E 1/2 - 1 (0.956 mi.)

Lower Elevation	Address	Direction / Distance
BUFFALO ELECTRIC CO Facility Id: 23936 73 2890	801 2ND AVE N	SSE 1/2 - 1 (0.853 mi.)
MINDIS METALS Facility Id: 17919 73 13818	515 1ST AVE N	SSE 1/2 - 1 (0.977 mi.)

AT&T AST measures 5,044 feet east of subject property. The largest reported capacity is 23000 gallons of kerosene. We could not locate the AST in visible areas of the address and it may be inside the building. The HUD Acceptable Separation Distance (ASD) Electronic Assessment Tool calculates the ASD for Thermal Radiation for People (ASDPPU) to be 1021.16 feet and the ASD for Thermal Radiation for Buildings (ASDBPU) to be 214.25. The subject property is an acceptable distance from this AST site.

APCO AST measures 5,066 feet east of subject property. The reported capacity is 150 gallons of diesel. We could not locate the AST in visible areas of the address and it may be inside the building. The HUD

Acceptable Separation Distance (ASD) Electronic Assessment Tool calculates the ASD for Thermal Radiation for People (ASDPPU) to be 125.48 feet and the ASD for Thermal Radiation for Buildings (ASDBPU) to be 20.92. The subject property is an acceptable distance from this AST site.

Buffalo Electric AST contained 1000 gallons of diesel, but the status is closed and is no longer present.

MINDIS METALS AST measures 5,160 feet south southeast of subject property. The largest reported capacity is 8000 gallons of diesel. The HUD Acceptable Separation Distance (ASD) Electronic Assessment Tool calculates the ASD for Thermal Radiation for People (ASDPPU) to be 657.70 feet and the ASD for Thermal Radiation for Buildings (ASDBPU) to be 131.49. The subject property is an acceptable distance from this AST site.

Non-Listed ASTs

Service Chemical Industries (SCI), 201 4th St. W, measures 5,270 feet southwest of the subject property. It appears to have a capacity of 6,000 gallons. The HUD Acceptable Separation Distance (ASD) Electronic Assessment Tool calculates the ASD for Thermal Radiation for People (ASDPPU) to be 583.42 feet and the ASD for Thermal Radiation for Buildings (ASDBPU) to be 115.12. The subject property is an acceptable distance from this AST site.

BNSF Railroad, 1801 4th St W, measures 4,382 feet northwest of the subject property. It has a capacity of 10,000 gallons. The HUD Acceptable Separation Distance (ASD) Electronic Assessment Tool calculates the ASD for Thermal Radiation for People (ASDPPU) to be 721.77 feet and the ASD for Thermal Radiation for Buildings (ASDBPU) to be 145.78. The subject property is an acceptable distance from this AST site.

PaveCon (asphalt), 1600 3rd Street W, measures 4,200 feet northwest of the subject property. It appears to have a capacity of 8,000 gallons. The HUD Acceptable Separation Distance (ASD) Electronic Assessment Tool calculates the ASD for Thermal Radiation for People (ASDPPU) to be 657.70 feet and the ASD for Thermal Radiation for Buildings (ASDBPU) to be 131.49. The subject property is an acceptable distance from this AST site.

State and Tribal Institutional control/engineering control registries (AUL)

A notice of contamination (nature and levels of contaminants) and restriction of subject property to non-residential use are placed in the conveyance records for the subject property.

There are no sites listed within 0.5 miles of the subject property.

State and Tribal voluntary cleanup sites (NPL)

Sites that have entered a voluntary cleanup program are listed.

There are no VCP sites listed within 0.5 miles of the subject property:

State and Tribal Brownfields sites (BROWNFIELDS)

Brownfields are abandoned, idled, or underused industrial or commercial real property, the expansion, redevelopment or reuse of which may be complicated by the presence of or potential presence of a hazardous substance, pollutant, or contaminant.

There are BROWNFIELDS sites listed within 0.5 miles of the subject property.

Lower Elevation	Address	Direction / Distance
OLD SCHOOL BOARD PRO	*BLOCK 257, 8TH AVENU*	*SSW 1/4 - 1/2 (0.295 mi.)*
CASH & CARRY/NEW SSA	*BLOCK 13, 8TH AVENUE*	*SW 1/4 - 1/2 (0.394 mi.)*

Old School Board Property/New SSA measures 1,559 feet south southwest of the subject property. Due to distance this site is not an environmental concern for the subject property.

Cash & Carry/New SSA measures 2,080 feet southwest of the subject property. Due to distance this site is not an environmental concern for the subject property.

Local Lists of Landfill/ Solid Waste Disposal Sites

Various local lists were reviewed, see the appendix listing. Sites were not located within 0.5 miles of the subject property.

Local Lists of Hazardous waste/Contaminated Sites

Various local lists were reviewed, see the appendix listing. The subject property was not listed.

Local Land Records

A Federal CERCLA ('Superfund') lien can exist by operation of law at any site or property at which EPA has spent Superfund monies. These monies are spent to investigate and address releases and threatened releases of contamination. CERCLIS provides information as to the identity of these sites and properties.

An Environmental Lien is a charge, security, or encumbrance upon title to a property to secure the payment of a cost, damage, debt, obligation, or duty arising out of response actions, cleanup, or other remediation of hazardous substances or petroleum products upon a property, including (but not limited to) liens imposed pursuant to CERCLA 42 USC 9607(1) and similar state or local laws. In other words: a lien placed upon a property's title due to an environmental condition.

The EPAs lists were reviewed. The subject property was not listed.

Records of Emergency Release Reports (HMIRS): Hazardous Materials Report System

Hazardous Materials Incident Report System (HMIRS) contains hazardous material spill incidents reported to DOT. The subject property is not listed in this database.

SPILLS: Emergency Response Section Incidents

SPILLS contains spills and/or release, to land, reported to Emergency Response Section. The subject property is not listed in this database.

SPILLS 90: SPILLS 90 data from FirstSearch

Spills 90 includes those spill and release records available exclusively from FirstSearch databases. Typically, they may include chemical, oil and/or hazardous substance spills recorded after 1990. Duplicate records that are already included in EDR incident and release records are not included in Spills 90.

The subject property is not listed in this database.

Other Ascertainable Records

RCRA-NonGen: Resource Conservation and Recovery Act

The Resource Conservation and Recovery Act info (RCRA) list includes selective information on sites that generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). There are no RCRA-NonGen sites listed on the EDR report within 1/4-mile radius of the subject property.

DOT OPS: Incident and Accident Data

This is Department of Transportation, Office of Pipeline Safety Incident and Accident data. The subject property is not listed in this database.

Federal DOD: Department of Defense Sites

This data set consists of federally owned or administered lands, administered by the Department of Defense, that have any area equal to or greater than 640 acres of the United States, Puerto Rico, and the U.S. Virgin Islands. No DOD listings were found within one mile of the subject property.

Federal FUDS: Formerly Used Defense Sites

FUDS locations were of Formerly Used Defense Sites properties where the US Army Corps of Engineers is actively working or participating in cleanup actions. There are no sites within a 1-mile radius of the subject property.

Federal CONSENT: Superfund (CERCLA) Consent Decrees

Superfund (CERCLA) Consent Decrees are major legal settlements that establish responsibility and standards for cleanup at Superfund sites. No CONSENT sites were found within the 1-mile radius of the subject property.

Federal ROD: Records of Decision

ROD documents mandate a permanent remedy at a Superfund site containing technical and health information to aid in the cleanup. No site was listed within the 1-mile radius of the subject property.

Federal UMTRA: Uranium Mill Tailings

Uranium ore was mined by private companies for federal government use in national defense programs. When mills were shut down, large piles of sand-like material (mill tailings) remain after the uranium had been extracted from the ore. Some tailings were used as construction materials before the health hazards of the tailings were recognized. There are no UMTRA listings were found within ½ mile radius of the subject property.

US MINES: Mines Master Index File

The Department of Labor, Mine Safety and Health Administration release information on any mine violations. No sites were found within the ¼ -mile radius of the subject property.

TRIS: Toxic Chemical Release Inventory System

Toxic Chemical Release Inventory System (TRIS) identifies facilities that release toxic chemicals to the air, water and land in reportable quantities under SARA Title III Section 313. The subject property is not listed in this database.

Federal TSCA/CICIS: Chemical in Commerce Inventory System

The database is also called the TSCA database. The U.S. EPA's Chemical in Commerce Inventory System (CICIS) was searched for the area. The subject property is not listed in this database.

FTTS/HIST FTTS: FIFRA/TSCA Tracking System

The Federal Insecticide, Fungicide and Rodenticide Act tracts administrative cases and pesticide-enforcement actions and compliance activities related to the Emergency Planning and Community Right-to-Know Act. There were no sites within the Subject Property's legal description.

SSTS: Tracking System for Pesticides

The Federal Insecticide, Fungicide and Rodenticide Act require all registered pesticide-producing establishments to submit a report to the Environmental Protection Agency each year. There were no sites within the Subject Property's legal description.

ICIS: Integrated Compliance Information System

The ICIS supports the information needs of national enforcement and compliance program as well as the

unique needs of the National Pollutant Discharge Elimination System (NPDES) program. There were no sites within the Subject Property's legal description.

PADS: PCB Activity Database

PCB Activity Database (PADS) identifies generators, transporters, commercial stores and/or brokers and disposers of PCBs who are required to notify the EPA of such activities. The subject property is not listed in this database.

MLTS: Material Licensing Tracking System

Material Licensing Tracking System (MLTS) is maintained by the Nuclear Regulatory Commission and contains a list of approximately 8,100 sites that possess or use radioactive materials, and which are subject to NRC licensing requirements. To maintain currency, EDR contacts the agency on a quarterly basis. The subject property is not listed in this database.

RADINFO: Radiation Information Database

The Radiation Information Database (RADINFO) contains information about facilities that are regulated by U.S. Environmental Protection Agency (EPA) regulations for radiation and radioactivity. The subject property is not listed in this database.

FINDS: Facility Index System

Facility Index System (FINDS) contains both facility information and "pointer" to other sources that contain more detail. EDR includes the following FINDS database in the report: PCS (Permit Compliance System), AIRS (Aerometric Information Retrieval System), DOCKET (Enforcement Docket used to manage and track information on civil judicial enforcement cases for all environmental statutes), FURS (Federal underground Injection Control), C-DOCKET (Criminal Docket System used to track criminal enforcement actions for all environmental statutes), FFIS (Federal Facilities Information System), STATE (State Environmental Laws and Statutes), and PADS (PCB Activity Data System). The subject property is not listed in this database.

RAATS: RCRA Administrative Action Tracking System

The RCRA Administration Action Tracking System (RAATS) contains records based on enforcement actions issued under RCRA pertaining to major violators and includes administrative and civil actions brought by the EPA. For administration actions after September 30, 1995, data entry in the RAATS database was discontinued. EPA will retain a copy of the database for historical records. It was necessary to terminate RAATS because a decrease in agency resources made it impossible to continue to update the information contained in the database. The subject property was not listed in this database.

RMP: Risk Management Plans

When Congress passed the Clean Air Act Amendments of 1990, it required EPA to publish regulations and guidance for chemical accident prevention at facilities using extremely hazardous substances. The Risk Management Program Rule (RMP Rule) was written to implement Section 112(r) of these amendments. The rule, which built upon existing industry codes and standards, requires companies of all sizes that use certain flammable and toxic substances to develop a Risk Management Program, which includes a(n): Hazard assessment that details the potential effects of an accidental release, an accident history of the last five years, and an evaluation of worst-case and alternative accidental releases; Prevention program that includes safety precautions and maintenance, monitoring, and employee training measures; and Emergency response program that spells out emergency health care, employee training measures and procedures for informing the public and response agencies (e.g. the fire department) should an accident occur.

The subject property was not listed in this database.

BRS: Biennial Reporting System

The Biennial Reporting System is a national system administered by the EPA that collects data on the generation and management of hazardous waste. BRS captures detailed data from two groups: Large Quantity Generators (LQG) and Treatment, Storage, and Disposal Facilities.

The subject property was not listed in this database.

UIC: Underground Injection Wells Listing

This is a listing of underground injection well locations. The subject property was not listed in this

database.

DRYCLEANERS: Drycleaner Facility Listing
This is a listing of drycleaner facilities. There were no sites within 0.50 miles listed in this database.

NPDES:
This is a listing of sites with a discharge program issued permit. The subject property was not listed in this database.

AIRS: Air Permit List
This is a listing of sites with air permits issued. The subject property was not listed in this database.

INDIAN RESERV: Indian Reservations
This is a listing of Indian administered lands of the United States that have any areas equal or greater than 640 acres. There are no sites within one mile of the subject property.

SCRD DRYCLEANERS: State Coalition for Remediation of Drycleaners Listing
The State Coalition for Remediation of Drycleaners was established in 1998, with support from the U.S. EPA Office of Superfund Remediation and Technology Innovation. It is comprised of representatives of states with established drycleaner remediation programs. Currently the member states are Alabama, Connecticut, Florida, Illinois, Kansas, Minnesota, Missouri, North Carolina, Oregon, South Carolina, Tennessee, Texas, and Wisconsin. There are no sites within one half mile of the subject property.

REM: Division of Remediation Services Database
Facilities or sites come to the Underground Storage Tank and Remediation Division either through self-notification or referral. These sites are designated for remediation via the following regulatory paths: Solid Waste (SW), Hazardous Waste (Haz Waste), Groundwater (Grwater), Inactive & Abandoned Sites (Confirmed or Potential), or Underground Storage Tanks (UST). There are no sites within one half mile of the subject property.

US AIRS (AFS): Aerometric Information Retrieval System Facility Subsystem (AFS)
The database is a sub-system of Aerometric Information Retrieval System (AIRS). AFS contains compliance data on air pollution point sources regulated by the U.S. EPA and/or state and local air

regulatory agencies. This information comes from source reports by various stationary sources of air pollution, such as electric power plants, steel mills, factories, and universities, and provides information about the air pollutants they produce. Action, air program, air program pollutant, and general level plant data. It is used to track emissions and compliance data from industrial plants. The subject property was not listed in this database.

PRP: Potentially Responsible Parties

This is a listing of verified Potentially Responsible Parties maintained by EPA. The subject property was not listed in this database.

2020 COR ACTION: 2020 Corrective Action Program List

The EPA has set ambitious goals for the RCRA Corrective Action program by creating the 2020 Corrective Action Universe. This RCRA cleanup baseline includes facilities expected to need corrective action. The 2020 universe contains a wide variety of sites. Some properties are heavily contaminated while others were contaminated but have since been cleaned up. Still others have not been fully investigated yet and may require little or no remediation. Inclusion in the 2020 Universe does not necessarily imply failure on the part of a facility to meet its RCRA obligations. There are no sites within one quarter mile of the subject property.

LEAD SMELTERS: Lead Smelters Sites

This is a listing of sites or former sites where secondary lead smelting was done from 1931-1964. These sites may pose a threat to public health through ingestion or inhalation of contaminated soil or dust. The subject property was not listed in this database.

EPA WATCH LIST: EPA Watch List

EPA maintains a "Watch List" to facilitate dialogue between EPA, state and local environmental agencies on enforcement matters relating to facilities with alleged violations identified as either significant or high priority. Being on the Watch List does not mean that the facility has actually violated the law only that an investigation by EPA or a state or local environmental agency has led those organizations to allege that an unproven violation has in fact occurred. Being on the Watch List does not represent a higher level of concern regarding the alleged violations that were detected, but instead indicates cases requiring additional dialogue between EPA, state and local agencies - primarily because of the length of time the alleged violation has gone unaddressed or unresolved. The subject property

was not listed in this database.

US FIN ASSUR: Financial Assurance Information
All owners and operators of facilities that treat, store, or dispose of hazardous waste are required to provide proof that they will have sufficient funds to pay for the clean-up, closure, and post-closure care of their facilities. The subject property was not listed in this database.

PCB TRANSFORMER: PCB Transformer Registration Database
This is the database of PCB transformer registrations that includes all PCB registration submittals. The subject property was not listed in this database.

COAL ASH DOE: Sleam-Electric Plan Operation Data
This is a listing of power plants that store ash in surface ponds. The subject property was not listed in this database.

COAL ASH EPA: Coal Combustion Residues Surface Impoundments List
This is a listing of coal combustion residues surface impoundments with high hazard potential ratings. There are no sites within one quarter mile of the subject property.

COAL ASH: Coal Ash Disposal Sites
This is a listing of coal ash impoundments. There are no sites within one quarter mile of the subject property.

ASBESTOS: Asbestos Projects List
This is a listing of asbestos demolition and renovation notification projects locations in the state. The subject property was not listed in this database.

Financial Assurance: Financial Assurance Information
Financial assurance is intended to ensure that resources are available to pay for the cost of closure, post-closure care, and corrective measures if the owner or operator of a regulated facility is unable or unwilling to pay. The subject property was not listed in this database.

FEDLAND: Federal and Indian Lands

This a listing of Federally and Indian administrated lands of the United States. Lands included are administrated by: Army Corps of Engineers, Bureau of Reclamation, National Wild and Scenic River,

National Wildlife Refuge, Public Domain Land, Wilderness, Wilderness Study Area, Wildlife Management Area, Bureau of Indian Affairs, Bureau of Land Management, Department of Justice, Forest Service, Fish and Wildlife Service, National Park Service. There were no sites within a 1-mile radius of the subject property.

Other Databases

The appendix has the EDR Radius Search report which lists databases searched in addition to those listed above. These include EDR Exclusive Records:

A review of the EDR MGP list, as provided by EDR, has revealed that there is 1 EDR MGP site within approximately 1 mile of the target property.

Lower Elevation	Address	Direction / Distance	Map ID
BIRMINGHAM GAS WORKS	E OF N 13TH BWN 2ND	ESE 1/2 - 1 (0.927 mi.)	110

This site measures 4,895 feet southeast of the subject property. Due to distance, it is not an environmental concern for the subject property.

EDR US Hist Auto Stat: EDR has searched selected national collections of business directories and has collected listings of potential gas station/filling station/service station sites that were available to EDR researchers. EDR's review was limited to those categories of sources that might, in EDR's opinion, include gas station/filling station/service station establishments. The categories reviewed included, but were not limited to gas, gas station, gasoline station, filling station, auto, automobile repair, auto service station, service station, etc. This database falls within a category of information EDR classifies as "High Risk Historical Records", or HRHR. EDR's HRHR effort presents unique and sometimes proprietary data about past sites and operations that typically create environmental concerns but may not show up in current government records searches. A review of the EDR US Hist Auto Stat list, as provided by EDR, has revealed that there are sites within 0.5 miles of the subject property.

Equal/Higher Elevation	Address	Direction / Distance
LONGS AUTO CLINIC AU	1050 5TH ST N	NE 0 - 1/8 (0.064 mi.)
FOURTH AVENUE SHELL	1100 4TH ST N	N 1/8 - 1/4 (0.132 mi.)
BRUNO SERVICE STA GA	308 11TH CT N	N 1/8 - 1/4 (0.191 mi.)
BARHAM JAS H C FILL	208 11TH CT N	NNW 1/8 - 1/4 (0.209 mi.)
ELEVENTH COURT STAND	1140 BANKHEAD HWY N	NNW 1/4 - 1/2 (0.261 mi.)
JOHNSO I SERV STA	1031 13TH ST N	ENE 1/4 - 1/2 (0.414 mi.)
CARPENTER OIL CO FIL	1133 13TH ST N	ENE 1/4 - 1/2 (0.441 mi.)
DUNCANS AUTO SHOP	919 13TH ST N	E 1/4 - 1/2 (0.452 mi.)
WEBB WM H AUTO REPR	517 13TH AVE N	NNE 1/4 - 1/2 (0.470 mi.)

Lower Elevation	Address	Direction / Distance
LEMONS GARAGE AUTO R	304 10TH AVE N	0 - 1/8 (0.000 mi.)
LEMON HUGH L	1012 3RD ST N	W 0 - 1/8 (0.022 mi.)
LEMON HUGH L C AUTO	948 3RD ST N	SSW 0 - 1/8 (0.077 mi.)
ARNOLD SHERMAN MECHA	820 6TH ST N	SE 1/4 - 1/2 (0.294 mi.)
MACKS AMOCO SERVICE	301 8TH AVE N	S 1/4 - 1/2 (0.295 mi.)
JOHN ST REPAIR SHOP	726 4TH ST N	S 1/4 - 1/2 (0.305 mi.)
SMITH JACK C AUTO RE	516 8TH AVE N	SSE 1/4 - 1/2 (0.323 mi.)
HAWKINS SERV STA	518 8TH AVE N	SSE 1/4 - 1/2 (0.324 mi.)
JONES OSCAR J AUTO R	805 6TH ST N	SSE 1/4 - 1/2 (0.324 mi.)
JONES OSCAR AUTO REP	517 8TH AVE N	SSE 1/4 - 1/2 (0.330 mi.)
WALKER ST SERV STA F	700 8TH AVE N	SE 1/4 - 1/2 (0.348 mi.)
GULF COAST OIL CO BR	601 7TH AVE N	SSE 1/4 - 1/2 (0.350 mi.)
J J NELSON AUTO REPR	804 8TH AVE N	SE 1/4 - 1/2 (0.351 mi.)
800 2 G W HARDY GARA	802 8TH AVE N	SE 1/4 - 1/2 (0.351 mi.)
800 2 G W HARDY GARA	800 8TH AVE N	SE 1/4 - 1/2 (0.351 mi.)
GULF COAST SERVICE S	601 8TH AVE N	SSE 1/4 - 1/2 (0.354 mi.)

Lower Elevation	Address	Direction / Distance
MATHERSONS GULF SERV	707 8TH AVE N	SE 1/4 - 1/2 (0.356 mi.)
LEMON HUGH L AUTO RE	723 8TH AVE N	SE 1/4 - 1/2 (0.358 mi.)
LEWIS H EDWIN FILLIN	801 8TH AVE N	SE 1/4 - 1/2 (0.359 mi.)
R C STEVERSON AUTO	901 8TH AVE N	SE 1/4 - 1/2 (0.360 mi.)
STEVENSONS GARAGE	723 9TH ST N	SE 1/4 - 1/2 (0.379 mi.)
LUXE BODY & FENDER S	721 9TH ST N	SE 1/4 - 1/2 (0.381 mi.)
SPEEDS GARAGE AUTO R	730 9TH ST N	SE 1/4 - 1/2 (0.403 mi.)
CLEVELAND SERV STA	1028 8TH AVE N	ESE 1/4 - 1/2 (0.408 mi.)
BLAKE AUTO SERV	723 10TH ST N	SE 1/4 - 1/2 (0.415 mi.)
BURRELL GARAGE AUTO	818 12TH ST N	ESE 1/4 - 1/2 (0.430 mi.)
W D SIMS AUTO REPR	1100 8TH AVE N	ESE 1/4 - 1/2 (0.430 mi.)
ODAY AMATURE WORKS A	1108 8TH AVE N	ESE 1/4 - 1/2 (0.436 mi.)
REBEL OIL CO STATION	1103 8TH AVE N	ESE 1/4 - 1/2 (0.438 mi.)
EQUIPMENT SERVICE CO	938 7TH AVE N	SE 1/4 - 1/2 (0.450 mi.)
OB THOMAS & BRUCE	600 6TH AVE N	SSE 1/4 - 1/2 (0.459 mi.)
UNITED TURBO & FUEL	621 9TH ST N	SE 1/4 - 1/2 (0.465 mi.)
WILLIS COAL & SERVIC	432 GRAYMONT AVE N	SSE 1/4 - 1/2 (0.474 mi.)
GARFIELDS TRANSMISSI	1205 8TH AVE N	ESE 1/4 - 1/2 (0.478 mi.)
JONES GARAGE AUTO R	1207 8TH AVE N	ESE 1/4 - 1/2 (0.479 mi.)
CENTRAL RADIATOR	701 6TH AVE N	SSE 1/4 - 1/2 (0.499 mi.)
WOCO PEP SERVICE STA	1101 7TH AVE S	ESE 1/4 - 1/2 (0.499 mi.)

Longs Auto Clinic measures 339 feet northeast and is cross gradient. It was listed in city directories from 200 to 2008. It is vacant property now. Due to distance and that it is cross gradient, it is not an environmental concern for the subject property.

Lemons Garage Auto Repair was actually on the subject property. Chemicals of concern are not likely to be present at this source. This was a residence that had an auto repair shop in the garage from 1950 to approximately 1976. The entire area was demolished, excavated, cut and filled to construct the parking lot that is on the subject property. There is no evidence of contamination from chemicals of concern we do not consider this a REC.

Lemon, Hugh L measures 105 feet west. Chemicals of concern are not likely to be present at this source. This was listed in the city directory of 1940. The address shows a residence on 1928 and subsequent Sanborn Maps. There is no evidence that this was anything other than a residence. And it is not an environmental concern for the subject property.

Lemon Hugh L C Auto Repair measures 405 feet southwest of the subject property. This site is listed in a 1946 city directory. Due to distance and being down gradient, this site is not an environmental concern for the subject property.

The other listings are 695 feet or more from the subject property. Due to distance and/ or groundwater flow direction, the remaining sites are not an environmental concern for the subject property.

EDR US Hist Cleaners: EDR has searched selected national collections of business directories and has collected listings of potential dry cleaner sites that were available to EDR researchers. EDR's review was limited to those categories of sources that might, in EDR's opinion, include dry cleaning establishments. The categories reviewed included, but were not limited to dry cleaners, cleaners, laundry, laundromat, cleaning/laundry, wash & dry etc. This database falls within a category of information EDR classifies as "High Risk Historical Records", or HRHR. EDR's HRHR effort presents unique and sometimes proprietary data about past sites and operations that typically create environmental concerns but may not show up in current government records searches.

A review of the EDR list, as provided by EDR, has revealed that there are sites within 0.5 miles of the subject property.

Equal/Higher Elevation	Address	Direction / Distance
WEST HIGHLAND CLNRS	1049 3RD ST N	NW 0 - 1/8 (0.014 mi.)
HALF HR INDRY SELF S	1053 3RD ST N	NW 0 - 1/8 (0.018 mi.)
WHITE J S PHILLIP CL	1024 5TH ST N	ENE 0 - 1/8 (0.042 mi.)
RIGBY OLLIE CLO CLNR	1022 5TH ST N	E 0 - 1/8 (0.045 mi.)
WHITE J S PHILIP CLD	1000 5TH ST N	ESE 0 - 1/8 (0.066 mi.)
KEMPS CLEANERS	208 11TH CT N	NNW 1/8 - 1/4 (0.209 mi.)
THOMAS BENJ CLO CLNR	1201 4TH PL N	N 1/4 - 1/2 (0.267 mi.)
WEST HIGHLAND CLEANE	1227 3RD ST N	N 1/4 - 1/2 (0.316 mi.)
ENON RIDGE CINRS	1239 4TH PL N	NNE 1/4 - 1/2 (0.384 mi.)
BEST WAY CLEANERS	1104 13TH ST N	ENE 1/4 - 1/2 (0.416 mi.)
DIXIE AUTOMAT SELF S	1105 13TH ST N	ENE 1/4 - 1/2 (0.425 mi.)
CLOSE UP CARPET CLEA	116 10TH CT W	W 1/4 - 1/2 (0.427 mi.)
BARKER CLEANERS C	1300 CENTER ST N	NW 1/4 - 1/2 (0.488 mi.)

Lower Elevation	Address	Direction / Distance
WM SANDERS DCLO CLNR	904 3RD ST N	SSW 0 - 1/8 (0.084 mi.)
GEORGES LAUNDROMAT	231 9TH CT N	SW 1/8 - 1/4 (0.127 mi.)
BECO CLEANING CO	831 4TH ST N	S 1/8 - 1/4 (0.198 mi.)

Lower Elevation	Address	Direction / Distance
BURGESS TONY DLO CLN	630 9TH AVE N	SE 1/8 - 1/4 (0.244 mi.)
TWENTY FOUR HOUR LAU	400 8TH AVE N	S 1/4 - 1/2 (0.291 mi.)
HIGH HATS CLNS REAR	416 8TH AVE N	SSE 1/4 - 1/2 (0.293 mi.)
2 NEW SUNSHINE LNDRY	303 8TH AVE N	S 1/4 - 1/2 (0.295 mi.)
MACKS FABRIC CARE LA	301 8TH AVE N	S 1/4 - 1/2 (0.295 mi.)
JOHNSONS CLEANERS	321 8TH AVE N	S 1/4 - 1/2 (0.295 mi.)
WALKER ROSS DCLO CLN	405 8TH AVE N	S 1/4 - 1/2 (0.299 mi.)
STEWART CLEANERS	521 8TH AVE N	SSE 1/4 - 1/2 (0.335 mi.)
JOHNSON ALEX A	523 8TH AVE N	SSE 1/4 - 1/2 (0.338 mi.)
B C W CLEANERS DYERS	103 8TH AVE N	SW 1/4 - 1/2 (0.343 mi.)
SMITHFIELD DRY CLEAN	608 8TH AVE N	SSE 1/4 - 1/2 (0.347 mi.)
SPEEDY WASH LAUNDERE	714 8TH AVE N	SE 1/4 - 1/2 (0.350 mi.)
SELF SERV LNDRY	718 8TH AVE N	SE 1/4 - 1/2 (0.350 mi.)
HUNTER GEO CLO CLNR	728 8TH AVE N	SE 1/4 - 1/2 (0.350 mi.)
STEWART CLEANERS & D	725 8TH AVE N	SE 1/4 - 1/2 (0.358 mi.)
STEWART CLEANERS & D	723 8TH AVE N	SE 1/4 - 1/2 (0.358 mi.)
JOHN HORTON CLO CLNR	727 8TH AVE N	SE 1/4 - 1/2 (0.358 mi.)
HAND OVER CLEANING C	905 8TH AVE N	SE 1/4 - 1/2 (0.361 mi.)
HAND OVER CING CO	907 8TH AVE N	SE 1/4 - 1/2 (0.362 mi.)
921 23 STEWART CINS	921 8TH AVE N	SE 1/4 - 1/2 (0.369 mi.)
S & S LAUNDRY CO	1121 9TH AVE N	ESE 1/4 - 1/2 (0.375 mi.)
SAML CAMPBELL	903 12TH CT N	E 1/4 - 1/2 (0.386 mi.)
TO THE RESCUE CARPET	716 9TH ST N	SE 1/4 - 1/2 (0.394 mi.)
BERRYS LAUNDRY	1127 9TH AVE N	ESE 1/4 - 1/2 (0.394 mi.)
WM BRYANT CLO PRSR	528 4TH ST N	S 1/4 - 1/2 (0.420 mi.)
BANKS CHAS	517 4TH ST N	S 1/4 - 1/2 (0.423 mi.)
LAUDERDALE MC KINLEY	1101 8TH AVE N	ESE 1/4 - 1/2 (0.437 mi.)
WALKERS CLEANERS	400 GRAYMONT ALY N	S 1/4 - 1/2 (0.466 mi.)
FENTON CLNRS C	328 GRAYMONT AVE N	S 1/4 - 1/2 (0.469 mi.)
400 402 WALKERS CLNS	402 GRAYMONT AVE N	S 1/4 - 1/2 (0.470 mi.)
JOHNSONS CLEANERS CL	200 GRAYMONT AVE N	SSW 1/4 - 1/2 (0.472 mi.)
BIG DIP LAUNDROMAT S	202 GRAYMONT AVE N	SSW 1/4 - 1/2 (0.474 mi.)
BATES CLEANERS	102 8TH AVE W	SW 1/4 - 1/2 (0.477 mi.)
MASTERCARE INC CARPE	617 9TH ST N	SE 1/4 - 1/2 (0.479 mi.)
LA DAME LAUNDRY & CL	1235 8TH AVE N	ESE 1/4 - 1/2 (0.490 mi.)
FENTON CLNS	104 8TH AVE W	SW 1/4 - 1/2 (0.491 mi.)
MONARCH CLNS BR	201 GRAYMONT AVE N	SSW 1/4 - 1/2 (0.495 mi.)
DEE CLEANERS & SHOE	526 GRAYMONT AVE N	SSE 1/4 - 1/2 (0.498 mi.)

West Highland Cleaners measures 300 feet to the northwest and is not adjacent. Chemicals of concern are not likely to be present at this source. It was a drycleaner from 1946 to approximately 1961. Based upon the Sanborn Maps, the site measures 300 feet to the northwest. The entire area was excavated and filled for construction of I-59 in the mid-1960s. For these reasons it is not an environmental concern for the subject property.

Half Hour Laundry Self Service measures 290 feet to the northwest and is not adjacent. Chemicals of

concern are not likely to be present at this source. The name indicates it was a self-service laundry, not a drycleaner operation. For this reason, this site is not an environmental concern for the subject property.

White JS Phillip Cleaners measures 221 feet east northeast of the subject property. Chemicals of concern are not likely to be present at this source. This was listed in a 1935 directory; however, the 1941 historical aerial photo shows what appears to be residential at that address and around it. This site is not an environmental concern for the subject property.

Rigby Ollie Clo CLNR measures 238 feet east of the subject property. Chemicals of concern are not likely to be present at this source. This was listed in a 1940 directory; however, the 1941 historical aerial photo shows what appears to be residential at that address and around it. This site is not an environmental concern for the subject property.

WM Sanders DCLO CLNR measures 445 feet south southwest of the subject property. Chemicals of concern are not likely to be present at this source. This was listed in a 1925 directory. It is downgradient from the subject property. This site is not an environmental concern for the subject property.

White JS Phillip (1000 5th Street) CLDO CLNR measures 350 feet east southeast of the subject property. Chemicals of concern are not likely to be present at this source. This was listed in a 1930 directory. It is downgradient from the subject property. This site is not an environmental concern for the subject property.

The other listings are 670 feet or more from the subject property. Due to distance and/or groundwater flow direction, the remaining sites are not an environmental concern for the subject property.

5.2.3 Unmappable Sites

There were unmapped sites in the report.

Site Name	Database(s)
18TH STREET DRUMS BIRMINGHAM	SHWS
TWO USTS UNDER ROAD	SHWS
AVONWOOD CLEANERS	SHWS
JAFFE WHOLSALE METALS	SHWS
BIRMINGHAM 1ST AVE SOUTH DRUMS	SHWS
BIRMINGHAM GAS WORKS	SEMS
CSX/COMMERCIAL TRACT TRANSACTION	VCP
	VCP
EBSCO MEDIA SITE	VCP
SOUTHSIDE COMMERCIAL WAREHOUSE & P	VCP
FORMER WELLS FARGO	VCP
TWIN CITY CLARAGE, INC.	VCP
OFFICE INDUSTRIAL PARK	VCP
FELDSTEIN BUILDING	LUST
GREYHOUND GARAGE DIESEL	LUST
ALAGASCO SERVICE CENTER	LUST
PHILLIPS 66 FIRST AVENUE 66	LUST
SPUR STATION #1148	LUST
4TH AVE SHELL	LUST
PILOT TRAVEL CTR #369	LUST
TEXACO 22-481-0078	LUST
CSX TRANSPORTATION ALSO GW93-07-01	LUST
BASEBALL STADIUM	LUST

Based upon our review of this list, it appears the sites are located over 0.5 miles from the subject property and either cross gradient or downgradient. These are not an environmental concern for the subject property.

5.3 STANDARD HISTORICAL INFORMATION (CHECK WITH LOCAL GOVERNMENT, LIBRARY, FIRE DEPARTMENT, COURTHOUSE, ETC.)

In addition to the record sources in the following sections, we checked for environmental information with the Birmingham Inspection Department, Birmingham Fire Department, County of Jefferson (internet review), Jefferson County Tax Assessor (viewed maps online), Jefferson County Probate Recording Division (Lien Search) and Birmingham Public Library (internet search). These contacts did not yield any additional information to be reported.

5.4 STANDARD HISTORICAL RESOURCES (include all documents in Appendix D)

5.4.1 Aerial Photographs

		AERIAL PHOTO SUMMARY			
Year	**Subject Property**	**Adjoining East**	**Adjoining West**	**Adjoining South**	**Adjoining North**
2019	Parking lot and vacant	vacant	residential	Sports stadium	Vacant
2015	Parking lot and vacant	vacant	residential	Sports stadium	Vacant
2011	Residential & Vacant	vacant	residential	Vacant	Residential & Vacant
2006	residential	Residential & Vacant	residential	residential	Residential & Vacant
1997	residential	Residential & Vacant	residential	residential	Residential & Vacant
1992	residential	Residential & Vacant	residential	residential	Residential & Vacant
1988	residential	Residential & Vacant	residential	residential	Residential & Vacant
1981	residential	residential	residential	residential	Residential & Vacant
1977	residential	residential	residential	residential	Residential & Vacant
1970	residential	residential	residential	residential	Residential & Vacant
1967	residential	residential	residential	residential	Residential & Vacant
1960	residential	residential	residential	residential	Residential & Vacant
1956	residential	residential	residential	residential	Residential & Vacant
1951	residential	residential	residential	residential	Residential & Vacant
1947	residential	residential	residential	residential	Residential & Vacant
1941	residential	residential	residential	residential	Residential & Vacant

These aerial photos are included in Appendix E Historical Records Documentation.

5.4.2 City Directories (must include site and surrounding properties in all directions)

City directories were reviewed for the subject property or surrounding area. EDR provided a City Directory Report for us to use as a screening tool designed to assist us in evaluating potential liability on a subject property resulting from past activities. This report is included in Appendix E Historical Records Documentation. According to the EDR report, the following research sources were consulted in the preparation of this report. An X indicates where information was identified in the source and provided in this report:

Year	Source	TP	Adjoining	Text Abstract	Source Image
2020	EDR Digital Archive	-	X	X	-
2017	Cole Information	-	X	X	-
2014	Cole Information	-	X	X	-
2010	Cole Information	-	X	X	-
2008	Polk City Directories	X	X	X	-
2005	Cole Information	X	X	X	-
2001	R. L. Polk Co., Publishers	X	X	X	-
2000	Cole Information	X	X	X	-
1996	R. L. Polk Co.	X	X	X	-
1995	Cole Information	X	X	X	-
1992	Cole Information	X	X	X	-
1991	R. L. Polk Co.	X	X	X	-
1990	R. L. Polk Co.	-	-	-	-
1986	R. L. Polk Co.	X	X	X	-
1984	R.L. Polk Co., Publishers	-	-	-	-
1981	R. L. Polk Co.	X	X	X	-

Year	Source	TP	Adjoining	Text Abstract	Source Image
1976	R. L. Polk Co.	X	X	X	-
1975	R. L. Polk & Co.	-	-	-	-
1971	R. L. Polk Co.	X	X	X	-
1969	R.L. Polk Co., Publishers	-	-	-	-
1967	R. L. Polk Co.	X	X	X	-
1965	R.L. Polk Co., Publishers	-	-	-	-
1961	R. L. Polk Co., Publishers	X	X	X	-
1956	R. L. Polk Co.	X	X	X	-
1952	R. L. Polk Co.	X	X	X	-
1946	R. L. Polk Co.	-	X	X	-
1940	R. L. Polk Co.	-	X	X	-
1935	R. L. Polk Co.	-	X	X	-
1930	R. L. Polk Co. of Ala., Publishers	-	X	X	-
1925	R. L. Polk Co.	-	X	X	-
1920	R. L. Polk Co.	-	X	X	-
1915	R. L. Polk Co.	-	-	-	-

The subject property was listed as residential in the directories from 1952 until 2008. Adjacent property addresses were primarily residential as shown in the report in the appendix.

Our review of this report confirmed our findings from other historical data.

5.4.3 Sanborn® Fire Insurance Maps

Sanborn® Fire Insurance Maps were available for this land area for the subject property.

Sanborn Insurance Map Summary

Year	Subject Property	Adjoining East	Adjoining West	Adjoining South	Adjoining North
1969	Residential, Auto repair	Residential	Residential, restaurant	Residential	Residential
1950	Residential, Church, Auto repair	Residential	Residential	Residential	Residential
1928	Residential	Residential	Residential	Residential	Residential
1911	Residential	Residential	Residential	Residential	Residential

The maps also show a Railroad Right of way that runs northwest to southeast along to the north and east of the subject property. In the Phase II ESA prepared by Bhate December 2024, TMW 6 boring was made nearest the former right of way. There were no contaminants noted in the soil or groundwater.

5.4.4 Historical Topographic Maps

Historical USGS Topographic Maps were reviewed:

Maps Provided:

2020	1959
2018	1907
2014	1906, 1907
1997	1904, 1905
1987, 1988	1895
1978	1892
1975	1889, 1890
1970, 1971	

The 1904, 1905, 1906 1907 maps show small structures. Our review of these maps confirmed our findings from other historical data. The EDR Historical Map Report is included in Appendix E Historical Records Documentation.

5.5 OTHER HISTORICAL SOURCES

All historical sources used are included in Appendix E Historical Records Documentation.

6.0 INTERVIEWS

6.1 STATE AND LOCAL GOVERNMENT OFFICIALS (MAYOR, FIRE DEPARTMENT, LOCAL HISTORICAL SOCIETY, ETC.) (Interviews will be conducted first in person, if unavailable then by phone, then via written communication. Verify Which method used and include name, contact information, and date of interview)

On October 11, 2024, we interviewed Mrs. Washington, Administrative Assistant Birmingham Fire Department (205-250-7540). Mrs. Washington stated that we would need to put in a Public Records request through the mayor's office website. She did state that at this time the portal is down. She is not sure when it will be back up. She still told me to submit the request for processing once the portal gets back up. We submitted the request and have not received a response.

On October 11, 2024, we interviewed Ms. Kierra, Birmingham Water Works (205-244-4000). After explaining our request to interview local officials knowledgeable about the subject property, she stated that he had no knowledge of spills or other environmental issues at the subject property. She provided us with the 2024drinking water quality report.

October 2, 2024 through October 19, 2024, we attempted to interview someone from the Birmingham Building Inspection Department (205-254-2224). After explaining our request to interview local officials knowledgeable about the subject property, we asked for someone to call us for a brief interview. We have not received a callback as of the date of this report.

6.2 APPLICANT/DEVELOPER

On October 19, 2024, we interviewed by written questions the Developer for this subject property, Brandon Rule (brule@ruleenterprises.com), who also represents the user. He is unaware of (1) any pending, threatened, or past litigation relevant to hazardous substances or petroleum products in, on or from the property; (2) any pending, threatened, or past administrative proceedings relevant to hazardous substances or petroleum products in, on or from the property; and (3) any notices from any governmental entity regarding any possible violation of environmental laws or possible liability relating to hazardous substances or petroleum products. He completed a User Questionnaire that is included in Appendix B.

6.3 PROPERTY OWNERS

The subject property is owned by the City of Brimingham. On October 7, 2024, we interviewed by written questions Corey Stallworth, owner representative, for this subject property. He is unaware of (1) any pending, threatened, or past litigation relevant to hazardous substances or petroleum products in, on or from the property; (2) any pending, threatened, or past administrative proceedings relevant to hazardous substances or petroleum products in, on or from the property; and (3) any notices from any governmental entity regarding any possible violation of environmental laws or possible liability relating to hazardous substances or petroleum products. He completed an Owner Questionnaire that is included in Appendix B.

6.4 SUBJECT PROPERTY MANAGER, OCCUPANTS, & LOCAL RESIDENTS

We did not attempt to interview persons at the subject property since it is vacant. No other residents in the area with knowledge of the subject property could be found to be interviewed.

6.5 OTHERS

No other interviews were conducted.

7.0 ADDITIONAL AHFA REQUIRED ELEMENTS

7.1 TIER 1 VAPOR ENCROACHMENT SCREENING (ASTM E2600-22)

ASTM E 2600-22 is the standard to be used for a Tier I Vapor Encroachment Screening (VES). We used the industry recognized Vapor Encroachment Worksheet from EDR to prepare our Vapor Encroachment Screen. This online tool allows the environmental professional to use data from the Radius Report to determine if a Vapor Encroachment Condition (VEC) exists at the subject property. There cannot be a VEC if there are no contaminated properties in the AOC. Tier 1 Screening begins with the default Area of Concern (AOC) which is defined as one third of a mile around the Subject Property for Chemicals of Concern (COCs) and one-tenth of a mile for petroleum hydrocarbon COCs. The approximate minimum search distances (using AHFA required search distances) surrounding the TP are shown in the EDR Report.

The Tier 1 Screening is typically focused on known or suspected contaminated properties that may

exist in the AOC. So, the first step is to identify known or suspected contaminated properties in the AOC. The Phase II ESA by Bhate dated December 2024 showed some polycyclic aromatic hydrocarbons (PAH) in the soil of boring TMW-4 and no other contaminants in soil or groundwater. PAH in soil do not present a vapor intrusion concern. There is no requirement to explore potential pathways since there is not an identified contaminated property that might have a contaminant plume. The documentation is included in Appendix K.1.

7.2 ASBESTOS

This is vacant land.

7.3 LEAD-BASED PAINT

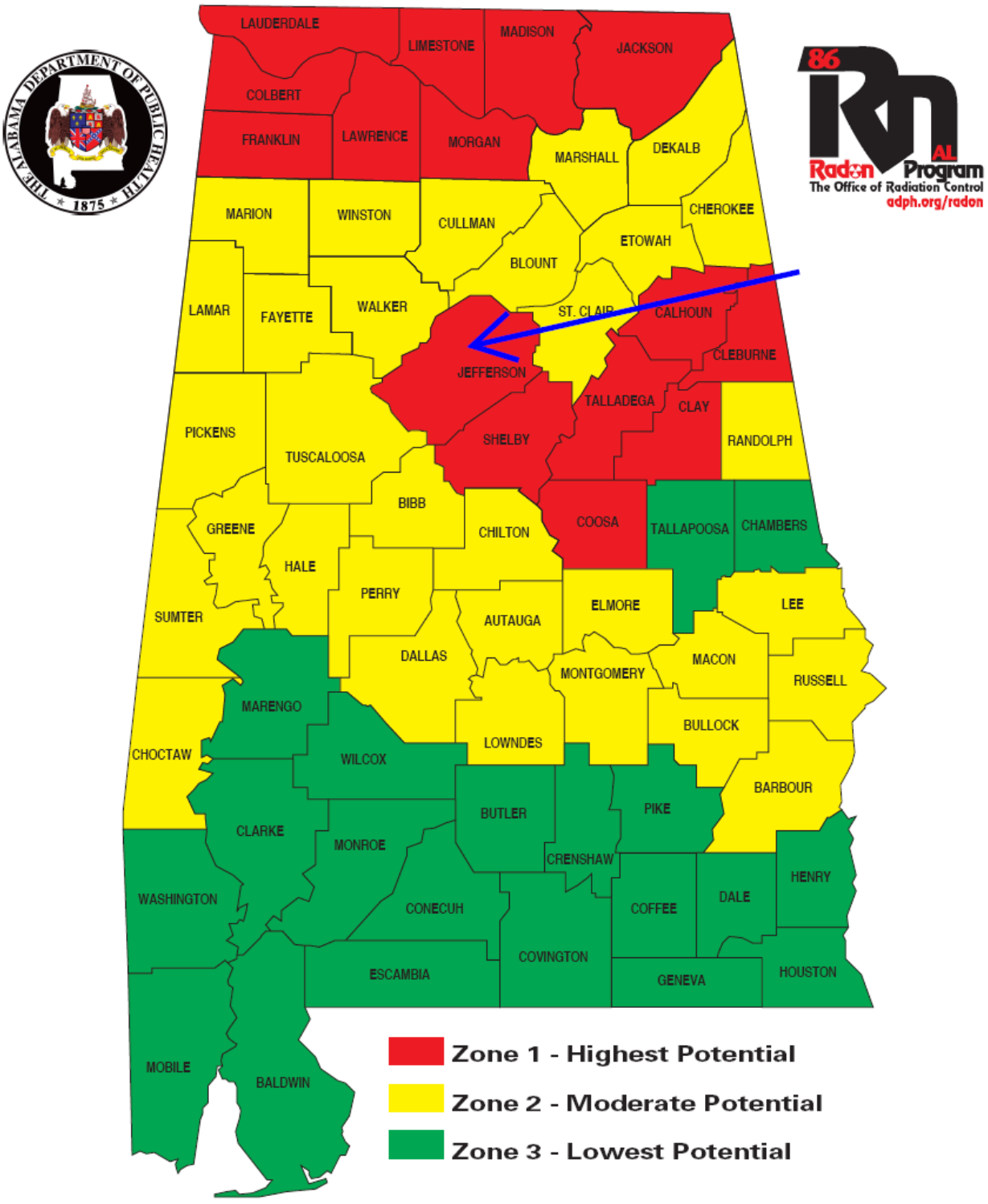
This is vacant land

7.4 MOLD

This is vacant land.

7.5 RADON

Alabama Radon Zones



The Radon Zone for Jefferson County is Zone 1. Radon Resistant New Construction (RRNC) is required in all buildings

7.6 WETLANDS

During our field observation and verification, we did not observe any wetland vegetation on the subject property. There are no wetlands, streams, lakes or other water bodies, including both jurisdictional "waters of the United States" and non-jurisdictional waters and wetlands. The soil types are partially hydric. The National Wetlands Inventory Map shows no mapped wetlands on the subject property. It is not necessary to obtain a JD for this subject property due to the lack of wetland vegetation and fully developed subject property.

7.7 FLOODPLAINS

The subject property is not in a floodplain. According to FM01073C0389H effective 3/21/2019, the subject property is not in a flood zone. Flood insurance is not required.

7.8 NOISE ABATEMENT & CONTROL

The AHFA Environmental Requirements state that the Phase I ESA must include (1) a completed HUD "Noise (EA) - Partner Worksheet" and a completed HUD "Day/Night Noise Level Calculator" assessment.
The noise level assessment must identify whether:

- there is a civil airport within five miles of the subject property? *Yes. Birmingham,-Shuttlesworth is 4.05 miles away. See Map in Appendix K*
- there is a military airport within 15 miles? *NO. See Map in Appendix K*
- there is a major road (average Daily traffic count of 10,000 or more vehicles) within 1,000 feet of the subject property? *Yes. See Map in Appendix K*
- there is a railroad track within 3,000 feet? *NO. See Map in Appendix K*

Are anticipated noise levels at the project subject property acceptable (outside noise level < 65 dB; interior noise level < 45 dB)? *Outside Noise levels is 68 dB at Property Line but there are no noise sensitive amenities near the property line. We used the HUD Sound Transmission Classification Assessment Tool (STraCAT) and determined the indoor level is acceptable using the proposed construction methods. See Noise Assessment in Appendix K*

7.9 AIRPORT CLEAR ZONES & ACCIDENT POTENTIAL ZONES (Must provide detailed summary for each item)

The AHFA Environmental Requirements state that the Phase I ESA must answer the following

questions:

1. Is the project subject property located within an RPZ/CZ or APZ? *NO*

2. Is the subject property located within a flight path? *NO*

3. What is name of and distance to the airport nearest to the project subject property? *Birmingham,-Shuttlesworth is 4.05 miles away.*

Attached are both a completed HUD "Airport Hazards - Partner Worksheet" and a completed HUD "Airport Runway Clear Zones – Partner Worksheet".

7.10 STATEMENT FROM EP THAT SUBJECT PROPERTY MEETS REQUIREMENTS OF 24 CFR 58.5(i)(2)

24 CFR 58.5(i)(2) (i) states "Also, it is HUD policy that all properties that are being proposed for use in HUD programs be free of hazardous materials, contamination, toxic chemicals and gases, and radioactive substances, where a hazard could affect the health and safety of occupants or conflict with the intended utilization of the property."

24 CFR 58.5(i)(2) (ii) states "The environmental review of multifamily housing with five or more dwelling units (including leasing), or non-residential property, must include the evaluation of previous uses of the site or other evidence of contamination on or near the site, to ensure that the occupants of proposed sites are not adversely affected by any of the hazards listed in paragraph (i)(2)(i) of this section."

24 CFR 58.5(i)(2) (iii) states "Particular attention should be given to any proposed site on or in the general proximity of such areas as dumps, landfills, industrial sites, or other locations that contain, or may have contained, hazardous wastes."

24 CFR 58.5(i)(2) (iv) states "The responsible entity shall use current techniques by qualified professionals to undertake investigations determined necessary."

Based upon the investigations and findings in this Phase I ESA, the subject property meets the requirements of 24 CFR 58.5(i)(2.

7.11 OTHER

NONE.

8.0 EVALUATION (FINDINGS, OPINIONS, AND CONCLUSIONS)

8.1 PHASE I ESA

GIBCO Environmental, LLC (GIBCO) was retained by Rule Enterprises, LLC to conduct a Phase I Environmental Site Assessment on the subject property as shown in the included maps in Birmingham, Jefferson County, AL. The ASTM Standard E1527-21, Standard Practice for Environmental Site Assessments, EPA's Standards and Practices for All Appropriate Inquiries (AAI) and 2024 AHFA Environmental Policy Requirements were used as the standard for the assessment. The subject property visit for this Phase I ESA was conducted on October 11, 2024. The subject property is a 5.14-acre tract of land and a parking lot on the south portion.

The intent of this assessment was to identify any recognized environmental conditions; to qualify the user for an LLP (Landowner Liability Protection) to CERCLA (Comprehensive Environmental Response, Compensation and Liability Act) liability; to understand potential environmental conditions that could materially impact the use of the subject property; and to establish the history of the subject property and determine if any release or threat of a release exists on the subject property.

Yes	No	Observations for the project site.
	X	Sewage Disposal System
	X	Hazardous Substances and Petroleum Products-identified uses
	X	Storage tanks
	X	Strong, Pungent or Noxious Odors
	X	Standing Surface Water
	X	Pools or sumps containing likely hazardous liquids or petroleum products
	X	Drums, Totes, and Intermediate Bulk Containers
	X	Hazardous Substances and Petroleum Products- not identified uses

	X	Unidentified Substance Containers
	X	Electrical or Mechanical Equipment suspected to Contain PCBs
	X	Stains or Corrosion on Floors, walls or ceilings
	X	Drains and sumps
	X	Pits, ponds and Lagoons
	X	Stained soil or Pavement
	X	Distressed Vegetation
	X	Solid Waste
	X	Water/Waste Water Discharges
	X	Wells
	X	Septic Systems or Cesspools

No discharges of solid or hazardous waste materials were observed on or near the grounds of the project subject property. There was no indication of wetland vegetation found. We did not observe any odors, pools of liquid, drains, sumps, pits, ponds, lagoons, stained soil, wells, drums, solvents, degreasers, hazardous chemicals or septic systems on the subject property. We did not observe any ASTs or signs of USTs on the subject property. During the course of the subject property visit, GIBCO did not observe on the project subject property or along the subject property boundaries of the project subject property, the presence of hazardous materials, distressed vegetation or other existing environmental concerns.

MAP ID	SITE NAME	ADDRESS	DATABASE ACRONYMS	RELATIVE ELEVATION	DIST (ft. & mi.) DIRECTION
A1	LEMONS GARAGE AUTO R	304 10TH AVE N	EDR Hist Auto	Lower	1 ft.
B2	WEST HIGHLAND CLNRS	1049 3RD ST N	EDR Hist Cleaner	Higher	74, 0.014, NW
B3	HALF HR INDRY SELF S	1053 3RD ST N	EDR Hist Cleaner	Higher	94, 0.018, NW
A4	LEMON HUGH L	1012 3RD ST N	EDR Hist Auto	Lower	114, 0.022, West

Site A1 Lemons Garage is onsite. Chemicals of concern are not likely to be present at this source. This was a residence that had an auto repair shop in the garage from 1950 to approximately 1976. The entire area was demolished, and a parking lot was constructed. There is no evidence of contamination from chemicals of concern. It is not a REC for the subject.

Site B2 West Highland Cleaners measures 300 feet to the northwest and is not adjacent. Chemicals of concern are not likely to be present at this source. It was a drycleaner from 1946 to approximately 1961. Based upon the Sanborn Maps, the site measures 300 feet to the northwest. The entire area was excavated and filled for construction of I-59 in the mid-1960s.

Site B3 Half Hour Laundry Self Service measures 290 feet to the northwest and is not adjacent. Chemicals of concern are not likely to be present at this source. The name indicates it was a self-service laundry, not a drycleaner operation.

Site A4 Lemon, Hugh L measures 105 feet west. Chemicals of concern are not likely to be present at this source. This was listed in the 1940 city directory. The address shows as a residence on 1928 and subsequent Sanborn Maps.

- The subject property is not listed in the regulatory databases reviewed. However, see Site A1 described above.

- Based on historical information obtained from past aerial photography, USGS topographic maps and interviews: The subject property is a 5.14-acre tract of land and a parking lot on the south portion. The 1911 Sanborn Map shows it had residential uses so it was developed prior to 1911. The 1950 Sanborn Map showed residential, a church and an auto repair in a garage behind the residence at 304 10th Avenue North. It remained residential until 2011 when it was vacant and residential. In 2015 the parking lot appears on the aerial photo. A review of historical information obtained during the investigation did not identify potential environmental concerns for the project subject property.

Findings

Recognized Environmental Conditions (RECs) are defined by the ASTM Standard Practice E1527-21 as: The term recognized environmental condition means (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. A de minimis condition is not a recognized environmental condition. GIBCO's assessment has revealed the following RECs associated with the subject property:

- No RECs were identified during the course of this assessment.

Historical Recognized Environmental Conditions (HRECs) are defined by the ASTM Standard Practice E1527-21 as: 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. If the EP considers this past release to be a REC at the time the Phase I ESA is conducted, the condition shall be included in the conclusion section of the report as a REC. GIBCO's assessment has revealed the following HRECs associated with the subject property:

- No HRECs were identified during the course of this assessment.

De Minimis Conditions are defined by ASTM Standard Practice E1527-21 as: 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.

- No de Minimis conditions were identified during the course of this assessment.

Controlled Recognized Environmental Conditions (CRECs) are defined by the ASTM Standard Practice E1527-21 as: 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). GIBCO's assessment has revealed the following CRECs associated with the subject property:

- No CRECs were identified during the course of this assessment.

Conclusions and Opinions

We have performed a Phase I Environmental Site Assessment in general conformance with the scope and limitations of ASTM Standard Practice E1527-21 and the Environmental Protection Agency Standards and Practices for All Appropriate Inquiries (40 CFR Part 312) and 2024 AHFA Environmental Policy Requirements. This assessment has revealed no evidence of RECs in connection with the subject property.

GIBCO and the EP understand that the purpose of the Phase I ESA is to ascertain whether the subject property is environmentally suitable for construction/rehabilitation of multifamily residential housing. It is our opinion that the subject property is suitable for **unrestricted** residential use as defined by the Alabama Department of Environmental Management ("ADEM") under Alabama Administrative Code regulation 335-15-1.02(ddd), based upon our best professional judgment and after conducting the Phase I ESA work. "Unrestricted residential use" means the designation of acceptable future use at a subject property for any and all activities associated with residential use at which the remediation levels, based on either background or standard residential exposure factors, shall have been attained throughout the subject property in all media.

Recommendations

Based on the findings presented in this Phase I ESA no further recommendations are warranted for the site investigated.

8.2 ADDITIONAL INVESTIGATIONS, LIMITATIONS, EXCEPTIONS, DEVIATIONS, AND DATA GAPS

No additional investigation is recommended for the subject property. Data failure as defined by Section 8.3.2.3 of ASTM E 1527-21 was encountered. Based on the information obtained during this ESA, it is the professional opinion of GIBCO that a historical data failure, as defined in the ASTM guidelines, has occurred in attempting to document the history of the subject property back to the earlier of 1940 or the first developed usage of the subject property in five-year increments. However, based on the information obtained, the lack of documentation is not deemed critical and did not affect the ability to identify potential REC(s) associated with the subject property. The historical data failure is not a significant data gap and did not affect our ability to identify potential REC(s) associated with the subject property.

Historical records such as City Directories are to be obtained and evaluated if "reasonably ascertainable". We engaged EDR to provide us with City Directories for the area. EDR's Digital Archive combines historical directory listings from sources such as Cole Information and Dun & Bradstreet. These standard sources of property information complement and enhance each other to provide a more comprehensive report. EDR is also licensed to reproduce certain City Directory works by the copyright holders of those works. Our engagement of EDR for this purpose is universally considered to meet the reasonably ascertainable standard. The lack of additional City Directories did not affect our ability to identify recognized environmental conditions and therefore was not reported. The other historical data we obtained and reviewed gave us the ability to identify that there were no RECs.

Section 12.5.1 of ASTM E-1527-21 states: "*A data gap is only significant if other information and/or professional experience raises reasonable concerns involving the effects of that data gap on the ability of the environmental professional to render an opinion regarding whether conditions exist that are indicative of recognized environmental conditions or controlled recognized environmental conditions."* No other information raised reasonable concern involving a data gap. My professional experience did not raise a reasonable concern involving a data gap.

There is a possibility that even with the proper application of the methodologies described and prescribed

that there may be conditions that exist on the subject property that could not be identified within the scope of the assessment or which were not reasonably identifiable from the available information. GIBCO believes that the information obtained from the record review and the interviews concerning the subject property is reliable. However, GIBCO cannot and does not warrant or guarantee that the information provided by these sources is accurate or complete. The methodologies of this assessment are not intended to produce all-inclusive or comprehensive results, but rather to provide the Client with information relating to the subject property.

GIBCO has performed this Phase I Environmental Site Assessment in conformance with the scope and limitations of ASTM Standard Practice for Environmental Assessments E 1527-21, EPA's Standards and Practices for All Appropriate Inquiries (AAI) and 2024 AHFA Environmental Policy Requirements for the subject property located as described and shown in this report. There were no exceptions to or deletions from this practice.
This assessment has revealed no *evidence of recognized environmental conditions* in connection with the subject property.

8.3 CONCLUSIONS AND ASTM STATEMENT (Must certify EP conducted the Phase I ESA in accordance with the current ASTM Standard and AHFA's Environmental Policy Requirements) (Must state whether the property is suitable for or may satisfy the residential use standard based upon EP's best professional judgment)

GIBCO has performed a Phase I Environmental Site Assessment in conformance with the scope and limitations of ASTM Standard Practice for Environmental Assessments E1527-21, EPA's Standards and Practices for All Appropriate Inquiries (AAI) and 2024 AHFA Environmental Policy Requirements for the subject property located at an address of 308 10th Avenue N, Birmingham, Jefferson County, AL as described and shown in this report. Any exceptions to or deletions from this practice are described in Section 8.2 of this report. This assessment has revealed no recognized environmental conditions, controlled recognized environmental conditions, or significant data gaps in connection with the subject property. The Phase I ESA was conducted in accordance with AHFA Environmental Policy Requirements.

It is our opinion that the subject property is suitable for **unrestricted** residential use as defined by the Alabama Department of Environmental Management ("ADEM") under Alabama Administrative Code

regulation 335-15-1.02(ddd), based upon our best professional judgment and after conducting the Phase I ESA work. “Unrestricted residential use” means the designation of acceptable future use at a site for any and all activities associated with residential use at which the remediation levels, based on either background or standard residential exposure factors, shall have been attained throughout the subject property in all media. The subject property is environmentally suitable for construction/rehabilitation of multi-family residential housing.

8.4 EP STATEMENT (40 CFR PART 312) AND SIGNATURE

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 part 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.

Jim Howell, Environmental Professional
GIBCO Environmental, LLC
1651 E. 70th Street
PMB 403
Shreveport, Louisiana 71105-5115

8.5 OTHER

The EDR reports that are included in the appendix section of this report contain detailed citations to the reference databases consulted.

9.0. REFERENCES

- ASTM Practice E 1527-21
- Subject property Sketch Maps: http://services.arcgisonline.com/arcgis/services
- Aerial Photographs: USDA AFPO NAIP ArcGIS Service of NC Imagery http://gis.apfo.usda.gov/arcgis/services , USDA NRCS Geospatial Data Gateway http://datagateway.nrcs.usda.gov , TNRIS Web Mapping Services http://www.tnris.org/wms and
  USGS Earth Explorer, http://edcsns17.cr.usgs.gov/EarthExplorer
- Geological Survey of Alabama https://www.gsa.state.al.us/
- U.S. Geologic Survey Topographic Maps: USGS Earth Explorer http://edcsns17.cr.usgs.gov/EarthExplorer , The National Map-Historical USGS Topographic Map Collection http://nationalmap.gov/historical/
- Soil Survey Staff. The Gridded Soil Survey Geographic (SSURGO) Database. United States Department of Agriculture, Natural Resources Conservation Service.
- FEMA NFHL (National Flood Hazard Layer) Web Map Service (WMS) https://hazards.fema.gov/gis/nfhl/services .
- Radius searches and Historical research tools from Environmental Data Resources, Inc., 440 Wheelers Farms Road, Milford, Connecticut 06461
- EPA Envirofacts Warehouse, http://www.epa.gov/enviro/facts/qmr.html
- EPA Enforcement & Compliance History Online (ECHO) http://www.epa-echo.gov/echo
- *A Smaller Intrusion*, by Anthony J. Buonicore, P.E. published in the May 2009 Issue of Pollution Engineering magazine.

APPENDICES

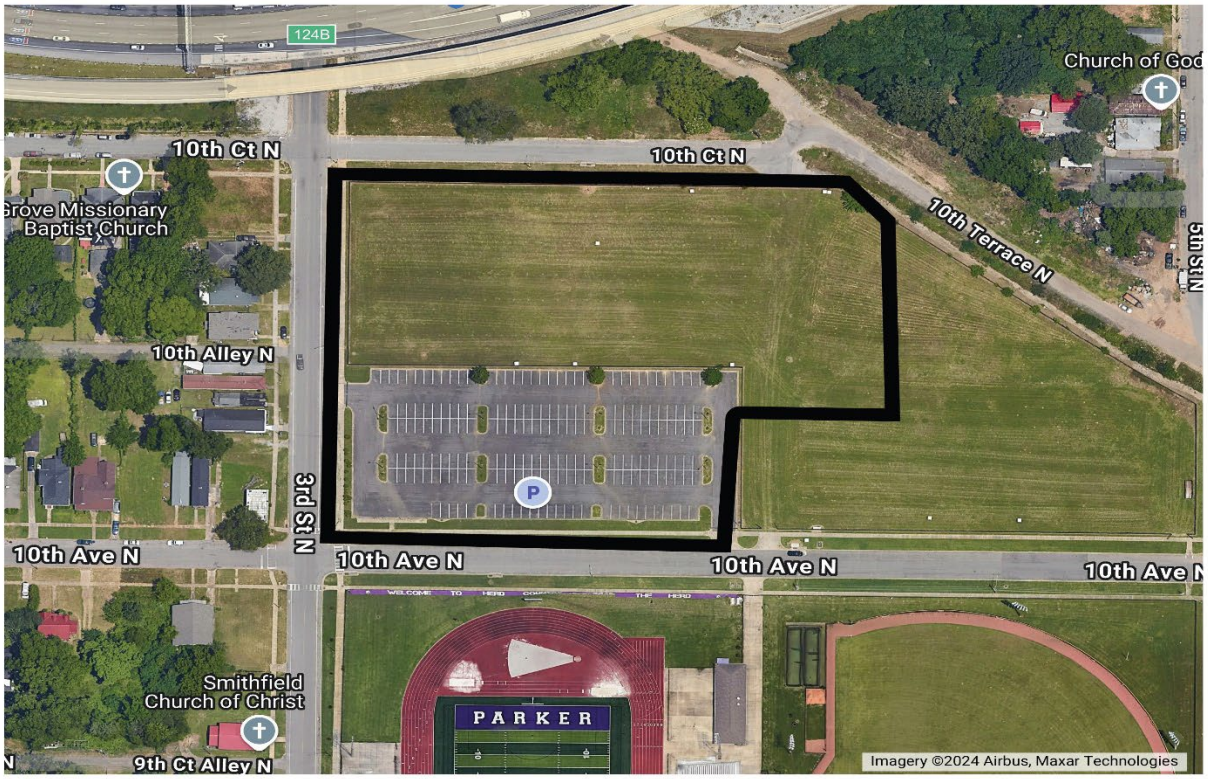
APPENDIX A FIGURES (SITE BOUNDARIES MUST BE CLEARLY MARKED AND CONSISTENT ON ALL FIGURES)

i. GOOGLE EARTH MAP

Smithfield Court Phase II

GOOGLE EARTH MAP

SUBJECT PROPERTY



N

ii. TAX MAP


N
ASSESSOR MAP
10TH CT N
10TH AVE N
10TH TER N
9TH CT N
2ND ST N
3RD ST N
5TH ST N
5TH PL N
6TH ST N
Valley Creek
October 23, 2024
Parcels
Building Footprints
OUT BUILDING
PUBLIC
RESIDENCE
UNKNOWN USE
PLSS Boundaries - Quarter Section
1:2,257
0 0.02 0.04 0.09 mi
0 0.04 0.07 0.14 km
JeffCoAL, Esri, HERE, Garmin, INCREMENT P, USGS, EPA, USDA

iii. SUBJECT PROPERTY LOCATION MAP

GIBSON | GIBCO DEVELOPER SOLUTIONS

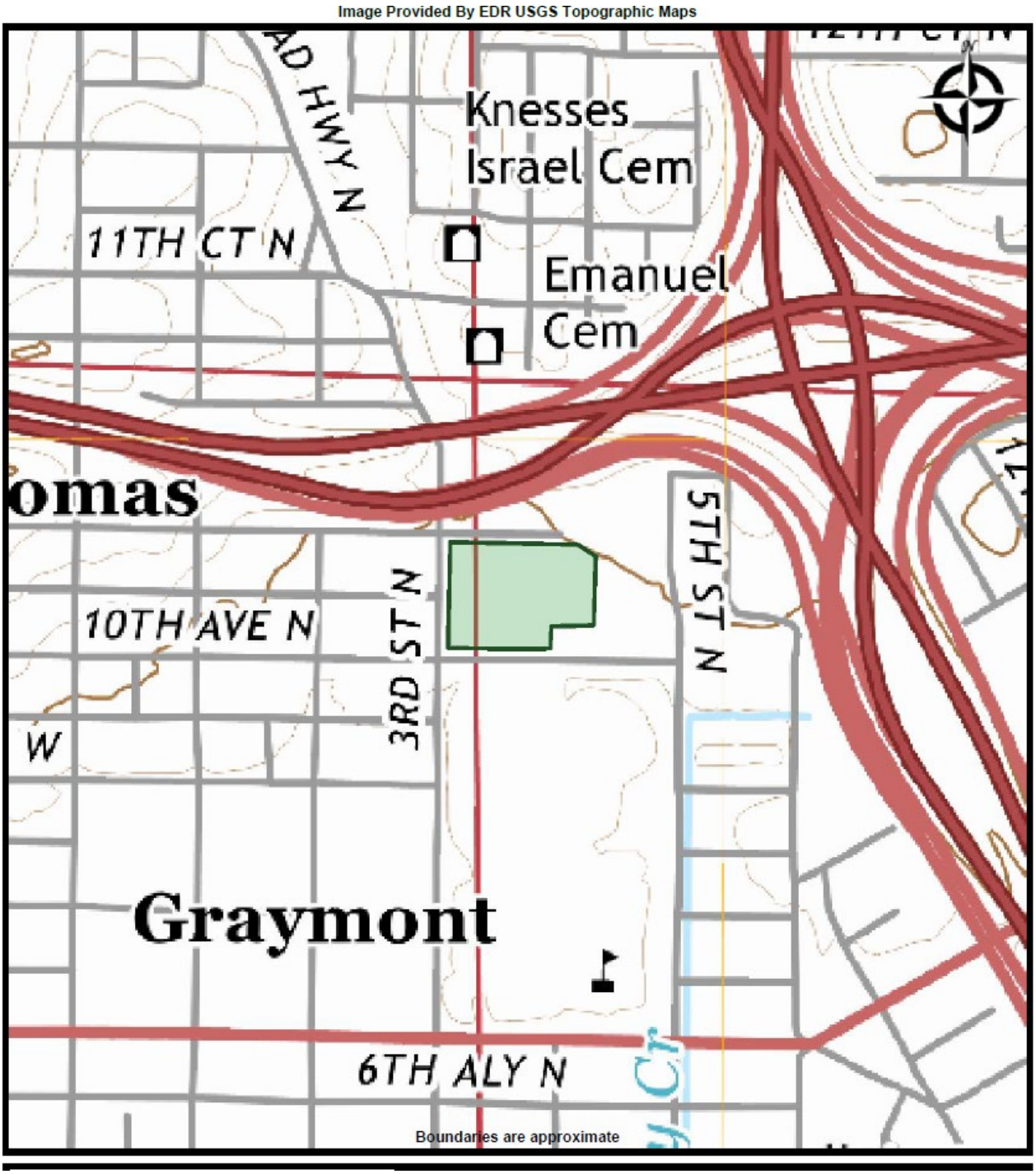
GRAYMONT CHOICE FAMILY II STREET MAP

308 10th Avenue N
Birmingham, Alabama 35204

PREPARED FOR:	
PROJ. MGR:	DATE: 10/8/2024
DRAWN BY:	PROJ. #:

iv. SCHEMATIC SITE PLAN

v. TOPOGRAPHY MAP



vi. NATIONAL WETLANDS INVENTORY MAP

U.S. Fish and Wildlife Service
National Wetlands Inventory

Graymont Choice Family II

October 11, 2024

Wetlands

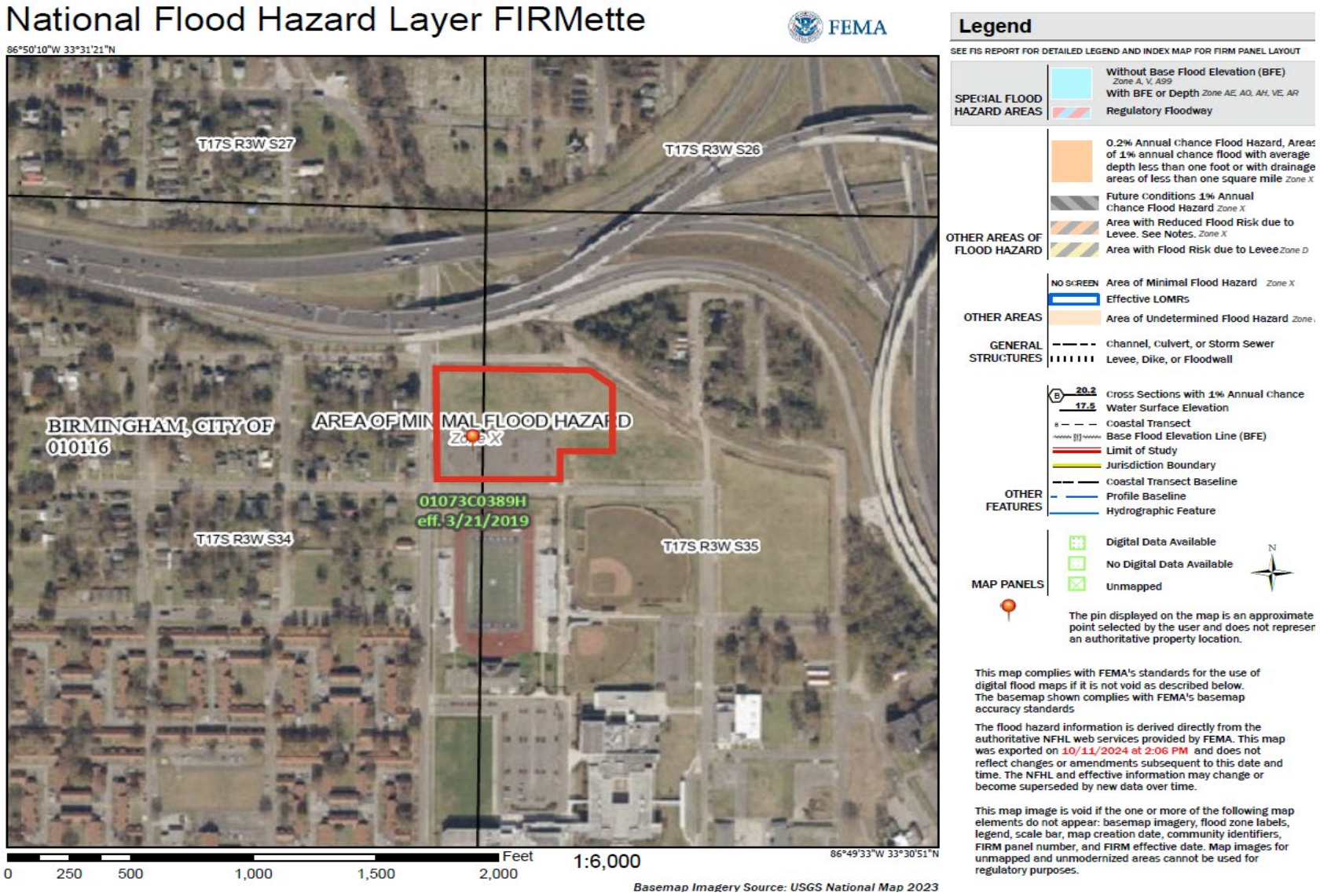
- Estuarine and Marine Deepwater
- Estuarine and Marine Wetland
- Freshwater Emergent Wetland
- Freshwater Forested/Shrub Wetland
- Freshwater Pond
- Lake
- Other
- Riverine

N

This map is for general reference only. The US Fish and Wildlife Service is not responsible for the accuracy or currentness of the base data shown on this map. All wetlands related data should be used in accordance with the layer metadata found on the Wetlands Mapper web site.

National Wetlands Inventory (NWI)
This page was produced by the NWI mapper

vii. FLOOD INSURANCE RATE MAP


National Flood Hazard Layer FIRMette
FEMA
86°50'10"W 33°31'21"N
T17S R3W S27
T17S R3W S26
BIRMINGHAM, CITY OF
010116
AREA OF MINIMAL FLOOD HAZARD
Zone X
01073C0389H
eff. 3/21/2019
T17S R3W S34
T17S R3W S35
0 250 500 1,000 1,500 2,000 Feet
1:6,000
86°49'33"W 33°30'51"N
Basemap Imagery Source: USGS National Map 2023
Legend
SEE FIS REPORT FOR DETAILED LEGEND AND INDEX MAP FOR FIRM PANEL LAYOUT
SPECIAL FLOOD HAZARD AREAS
Without Base Flood Elevation (BFE) Zone A, V, A99
With BFE or Depth Zone AE, AO, AH, VE, AR
Regulatory Floodway
OTHER AREAS OF FLOOD HAZARD
0.2% Annual Chance Flood Hazard, Areas of 1% annual chance flood with average depth less than one foot or with drainage areas of less than one square mile Zone X
Future Conditions 1% Annual Chance Flood Hazard Zone X
Area with Reduced Flood Risk due to Levee. See Notes. Zone X
Area with Flood Risk due to Levee Zone D
OTHER AREAS
NO SCREEN Area of Minimal Flood Hazard Zone X
Effective LOMRs
Area of Undetermined Flood Hazard Zone
GENERAL STRUCTURES
Channel, Culvert, or Storm Sewer
Levee, Dike, or Floodwall
OTHER FEATURES
20.2
17.5
Cross Sections with 1% Annual Chance
Water Surface Elevation
Coastal Transect
Base Flood Elevation Line (BFE)
Limit of Study
Jurisdiction Boundary
Coastal Transect Baseline
Profile Baseline
Hydrographic Feature
MAP PANELS
Digital Data Available
No Digital Data Available
Unmapped
N
The pin displayed on the map is an approximate point selected by the user and does not represent an authoritative property location.
This map complies with FEMA's standards for the use of digital flood maps if it is not void as described below. The basemap shown complies with FEMA's basemap accuracy standards
The flood hazard information is derived directly from the authoritative NFHL web services provided by FEMA. This map was exported on 10/11/2024 at 2:06 PM and does not reflect changes or amendments subsequent to this date and time. The NFHL and effective information may change or become superseded by new data over time.
This map image is void if the one or more of the following map elements do not appear: basemap imagery, flood zone labels, legend, scale bar, map creation date, community identifiers, FIRM panel number, and FIRM effective date. Map images for unmapped and unmodernized areas cannot be used for regulatory purposes.

APPENDIX B PROPERTY RECORDS AND USER QUESTIONNAIRE

APPENDIX C ENVIRONMENTAL LIEN/ACTIVITY USE LIMITATIONS RESEARCH

APPENDIX D ENVIRONMENTAL DATABASE REPORT

APPENDIX E HISTORICAL RECORDS DOCUMENTATION

APPENDIX F SUBJECT PROPERTY AND VICINITY PHOTOGRAPHS

APPENDIX G INTERVIEW DOCUMENTATION (Document the interviewee's contact information and date of interview

INTERVIEW DOCUMENTATION

Interviewer: Jim Howell, GIBCO Environmental, LLC
Date of Interview: 10-11-2024
Method of Interview: Telephone
Person Interviewed: Mrs. Washington, Administrative Assistant Birmingham Fire Department
Phone number: 205-250-7540
Summary of Interview:
Mrs. Washington stated that we would need to put in a Public Records request through the mayor's office website. We submitted the request and have not received a response.

.

Interviewer Signature:

INTERVIEW DOCUMENTATION

Interviewer: Jim Howell, GIBCO Environmental, LLC
Date of Interview: 10-11-2024
Method of Interview: Telephone
Person Interviewed: Ms. Kierra, Birmingham Water Works
Phone number: 205-244-4000 Summary of Interview:
After explaining our request to interview local officials knowledgeable about the subject property, she stated that he had no knowledge of spills or other environmental issues at the subject property. She provided us with the 2024 drinking water quality report.
Interviewer Signature:

INTERVIEW DOCUMENTATION

Interviewer: Jim Howell, GIBCO Environmental, LLC
Date of Interview: 10-2-2024 through 10-19-2024
Method of Interview: Telephone

Person Interviewed: Birmingham Building Inspection Department
Phone number: (205-254-2224)
Summary of Interview:
After explaining our request to interview local officials knowledgeable about the subject property, we asked for someone to call us for a brief interview. We have not received a callback as of the date of this report.
Interviewer Signature:

INTERVIEW DOCUMENTATION

Interviewer: Jim Howell, GIBCO Environmental, LLC
Date of Interview: 10/19/2024
Method of Interview: Written questions
Person Interviewed: Brandon Rule
Phone number: 414-803-2139
Summary of Interview:
Brandon Rule is a member of the site development team. He is unaware of (1) any pending, threatened, or past litigation relevant to hazardous substances or petroleum products in, on or from the subject property; (2) any pending, threatened, or past administrative proceedings relevant to hazardous substances or petroleum products in, on or from the subject property; and (3) any notices from any governmental entity regarding any possible violation of environmental laws or possible liability relating to hazardous substances or petroleum products.

Interviewer Signature:

INTERVIEW DOCUMENTATION

Interviewer: Jim Howell, GIBCO Environmental, LLC
Date of Interview: 10/7/2024
Method of Interview: Written questions
Person Interviewed: Corey Stallworth City of Birmingham
Phone number: 205-254-2466
Summary of Interview:
Corey Stallworth represents the owner. He is unaware of (1) any pending, threatened, or past litigation relevant to hazardous substances or petroleum products in, on or from the subject property; (2) any pending, threatened, or past administrative proceedings relevant to hazardous substances or petroleum products in, on or from the subject property; and (3) any notices from any governmental entity regarding any possible violation of environmental laws or possible liability relating to hazardous substances or petroleum products.

Interviewer Signature:

APPENDIX H AHFA RELIANCE LETTER (Addendum B-4 on EP LETTERHEAD

APPENDIX I ENGAGEMENT LETTER/CONTRACT (Addendum B-2 on EP LETTERHEAD

APPENDIX J PROFESSIONAL RESUMES/PERSONNEL QUALIFICATIONS

Qualifications of Environmental Professional

Jim Howell
Environmental Professional

EDUCATION:
1980 /Bachelor of Science
Louisiana State University / Shreveport, Louisiana

PROFESSIONAL EXPERIENCE

In 1983 Mr. Howell conducted his first Environmental Site Assessment for a rental housing complex to be financed by USDA. From 1983 to 2004 he conducted over 100 Environmental Site Assessments for USDA and HUD and Louisiana Housing Finance Agency (now Louisiana Housing Corporation). In 2004, Mr. Howell began preparing environmental reports for Gibson Consulting, LLC and later GIBCO Environmental, LLC. He is qualified as an Environmental Professional (EP) under ASTM E-1527-21 and Environmental Protection Agency's All Appropriate Inquiries (AAI) Rule. Since 2004, Mr. Howell has prepared over 2,200 Phase I ESA and other environmental reports in several states, including Alaska, Utah, Arkansas, Louisiana, Mississippi, Tennessee, Oklahoma, Kentucky, Alabama, South Carolina, Kansas, Missouri, Nebraska, North Dakota, Colorado, Alaska, Georgia, Ohio, Indiana, Virginia and Texas. He is considered an expert in National Environmental Policy Act (NEPA) reviews, including those under 24CFR part 50 and 58 and USDA-RD Instruction 1940. Mr. Howell also prepares HUD Noise Assessments and General Conformity Applicability Determination (GCAD) for compliance with State or Federal Implementation Plans for air quality. All of these reports have been approved by the recipients who include state agencies, city and county governments, private lenders, FNMA, HUD, USDA, non-profit developers, for-profit developers and public and private equity investors.

ENVIRONMENTAL SERVICES INCLUDE:

- Transaction Screen ASTM Standard Practice E 1528-06
- Phase I Environmental Site Assessment ASTM Standard Practice E 1527-21
- Phase II Environmental Site Assessments
- All Appropriate Inquiry (40 CFR Part 312)
- NEPA Environmental Assessment (24 CFR Part 58)

Debbie Amox
Environmental Professional

Mrs. Amox has participated in the preparation of over 650 Phase I ESAs since 2006. These included vacant land, existing multi-family developments, single family subdivisions, historic properties, warehouses, hotels, retail developments and office buildings throughout the United States and Puerto Rico for clients that have included a wide variety of for-profit firms, nonprofit organizations, as well as local, state, and federal government agencies. Her expertise in evaluating and inspecting sites provides the crucial information needed to allow the firm to produce quality reports. She is responsible for scheduling and timely responses with all field work. Mrs. Amox previously worked in senior management positions with a large multi-family property management firm for over 16 years. In that position she performed hundreds of property inspections.

Mrs. Amox meets the definition of Environmental professional as defined in §312.10 of 40 CFR part 312. She has the specific qualifications based on education, training and experience to assess a property of the nature, history, and setting of the subject property.

APPENDIX K AHFA-REQUIRED ELEMENTS:

K.1 VAPOR ENCROACHMENT SCREENING DOCUMENTATION IN COMPLIANCE WITH ASTM E2600-22

K.2 PROOF OF INSURANCE – AHFA MINIMUMS OR ABOVE (AHFA must be listed as Insured)

ACORD®

CERTIFICATE OF LIABILITY INSURANCE

DATE (MM/DD/YYYY): 06/12/2024

THIS CERTIFICATE IS ISSUED AS A MATTER OF INFORMATION ONLY AND CONFERS NO RIGHTS UPON THE CERTIFICATE HOLDER. THIS CERTIFICATE DOES NOT AFFIRMATIVELY OR NEGATIVELY AMEND, EXTEND OR ALTER THE COVERAGE AFFORDED BY THE POLICIES BELOW. THIS CERTIFICATE OF INSURANCE DOES NOT CONSTITUTE A CONTRACT BETWEEN THE ISSUING INSURER(S), AUTHORIZED REPRESENTATIVE OR PRODUCER, AND THE CERTIFICATE HOLDER.

IMPORTANT: If the certificate holder is an ADDITIONAL INSURED, the policy(ies) must have ADDITIONAL INSURED provisions or be endorsed. If SUBROGATION IS WAIVED, subject to the terms and conditions of the policy, certain policies may require an endorsement. A statement on this certificate does not confer rights to the certificate holder in lieu of such endorsement(s).

PRODUCER Querbes & Nelson 214 Milam Street Shreveport LA 71101	CONTACT NAME: Pam Patton PHONE (A/C, No, Ext): (318) 221-5241 FAX (A/C, No): (318) 429-0599 E-MAIL ADDRESS: Pam.Patton@MarshMMA.com		
	INSURER(S) AFFORDING COVERAGE		NAIC #
	INSURER A : GuideOne National Insurance Company		14167
INSURED Gibson Consulting, LLC; GIBCO Environmental, LLC 1651 East 70th Street, PMB 403 Shreveport LA 71105-4651	INSURER B : LUBA Casualty Insurance Company		12472
	INSURER C :		
	INSURER D :		
	INSURER E :		
	INSURER F :		

COVERAGES CERTIFICATE NUMBER: 2024-25 MASTER CERT REVISION NUMBER:

THIS IS TO CERTIFY THAT THE POLICIES OF INSURANCE LISTED BELOW HAVE BEEN ISSUED TO THE INSURED NAMED ABOVE FOR THE POLICY PERIOD INDICATED. NOTWITHSTANDING ANY REQUIREMENT, TERM OR CONDITION OF ANY CONTRACT OR OTHER DOCUMENT WITH RESPECT TO WHICH THIS CERTIFICATE MAY BE ISSUED OR MAY PERTAIN, THE INSURANCE AFFORDED BY THE POLICIES DESCRIBED HEREIN IS SUBJECT TO ALL THE TERMS, EXCLUSIONS AND CONDITIONS OF SUCH POLICIES. LIMITS SHOWN MAY HAVE BEEN REDUCED BY PAID CLAIMS.

INSR LTR	TYPE OF INSURANCE	ADDL INSD	SUBR WVD	POLICY NUMBER	POLICY EFF (MM/DD/YYYY)	POLICY EXP (MM/DD/YYYY)	LIMITS	
A	☒ COMMERCIAL GENERAL LIABILITY ☐ CLAIMS-MADE ☒ OCCUR GEN'L AGGREGATE LIMIT APPLIES PER: ☐ POLICY ☐ PRO-JECT ☐ LOC ☐ OTHER:			ENV562009990-02	06/12/2024	06/12/2025	EACH OCCURRENCE DAMAGE TO RENTED PREMISES (Ea occurrence) MED EXP (Any one person) PERSONAL & ADV INJURY GENERAL AGGREGATE PRODUCTS - COMP/OP AGG	$ 2,000,000 $ 100,000 $ 10,000 $ 2,000,000 $ 2,000,000 $ 2,000,000
	AUTOMOBILE LIABILITY ☐ ANY AUTO ☐ OWNED AUTOS ONLY ☐ SCHEDULED AUTOS ☐ HIRED AUTOS ONLY ☐ NON-OWNED AUTOS ONLY						COMBINED SINGLE LIMIT (Ea accident) BODILY INJURY (Per person) BODILY INJURY (Per accident) PROPERTY DAMAGE (Per accident)	$ $ $ $
	☐ UMBRELLA LIAB ☐ OCCUR ☐ EXCESS LIAB ☐ CLAIMS-MADE ☐ DED ☐ RETENTION $						EACH OCCURRENCE AGGREGATE	$ $
B	WORKERS COMPENSATION AND EMPLOYERS' LIABILITY ANY PROPRIETOR/PARTNER/EXECUTIVE OFFICER/MEMBER EXCLUDED? (Mandatory in NH) Y/N: Y If yes, describe under DESCRIPTION OF OPERATIONS below	N/A		028000023828124	06/12/2024	06/12/2025	☒ PER STATUTE ☐ OTH-ER E.L. EACH ACCIDENT E.L. DISEASE - EA EMPLOYEE E.L. DISEASE - POLICY LIMIT	 $ 1,000,000 $ 1,000,000 $ 1,000,000
A	Professional Liability			ENV562009990-02	06/12/2024	06/12/2025	Per Claim Aggregate	$2,000,000 $2,000,000

DESCRIPTION OF OPERATIONS / LOCATIONS / VEHICLES (ACORD 101, Additional Remarks Schedule, may be attached if more space is required)

Workers Compensation Information
Proprietors/Partners/Executive Officers/Members Excluded: Rebecca Gibson, President

The certificate holder is an additional insured on the General Liability policy as required by written contract subject to policy terms, conditions, and exclusions.

CERTIFICATE HOLDER	CANCELLATION
Alabama Housing & Finance Authority 7460 Halcyon Pointe Drive, Suite 200 Montgomery AL 36117	SHOULD ANY OF THE ABOVE DESCRIBED POLICIES BE CANCELLED BEFORE THE EXPIRATION DATE THEREOF, NOTICE WILL BE DELIVERED IN ACCORDANCE WITH THE POLICY PROVISIONS. AUTHORIZED REPRESENTATIVE Clay H Miller

ACORD 25 (2016/03) The ACORD name and logo are registered marks of ACORD

K.3 SUPPLEMENTAL DOCUMENTATION

K.3A ASD Calculator Sheets and figure illustrating location of all ASTs within 1 mile and their distance from the site boundary

***K.3B Asbestos Testing Results** with laboratory analytical data reports and documentation that the testing was completed by an accredited asbestos inspector licensed in Alabama (include copy of proof of accreditation)*

Not applicable-new construction

K.3C Lead-Based Paint Testing Results with laboratory analytical data reports

Not applicable-new construction

***K.3D Radon Testing Reports** (must include sample location map, number of units tested, number of units on the site, and documentation that the radon testing was completed by a certified Radon Professional (include copy of the Radon Professional's proof of certification)*

Not applicable-new construction

K.3E Wetlands Delineation Report and Jurisdictional Determination (as applicable)

NONE for this subject property.

K.3F Floodplains documentation and evidence of flood insurance (as applicable)

***K.3G Noise Evaluation** (must include current HUD Partner Worksheets, DNL Calculator Sheets (to include a 10-year noise projection), figures clearly illustrating the site boundary and noise source (with distances to each source clearly indicated on the figures), and, if required, mitigation measures, cost estimate, and STraCAT and/or Barrier Performance Module.*

K.3H Airport Hazards with all required Airport Hazard Worksheets, Runway Clear Zones, and a Google Earth (or equivalent) map illustrating the site location relative to each airport within the specified distances.

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APPENDIX B
PHASE II ENVIRONMENTAL SITE ASSESSMENT

PHASE II ENVIRONMENTAL SITE ASSESSMENT

SMITHFIELD PHASE II

308 10TH AVENUE NORTH

BIRMINGHAM, ALABAMA

August 27, 2025

PREPARED FOR:

GIBCO ENVIRONMENTAL, LLC 1
651 EAST 70TH STREET
PMB 403
SHREVEPORT, LOUISIANA 71105

ATTENTION: MR. JIM HOWELL

Bhate Project No.: BRE2024.0069

PREPARED BY:

1608 13th Avenue South, Suite 300
Birmingham, Alabama 35205
205-918-4000 Phone • 205-918-4050 Fax
1-800-806-4001 • www.bhate.com

PHASE II ENVIRONMENTAL SITE ASSESSMENT

SMITHFIELD PHASE II
308 10TH AVENUE NORTH
BIRMINGHAM, ALABAMA

REVIEW SHEET

This report has been prepared and reviewed by:

8/27/2025

Emmett Beers, P.G.
Project Manager

Date

PHASE II ENVIRONMENTAL SITE ASSESSMENT

SMITHFIELD PHASE II
308 10TH AVENUE NORTH
BIRMINGHAM, ALABAMA

TABLE OF CONTENTS

Figures

Table

Appendix

1 SITE DESCRIPTION

The subject property consists of the Smithfield Phase II at 308 10th Avenue North in Birmingham, Alabama (Figure 1). The following site information was provided by GIBCO Environmental, LLC (GIBCO) from their Phase I Environmental Site Assessment (ESA) report dated October 2024. The subject site consists of land totaling approximately 5.14 acres that adjoins Parker High School to the north. It consists of an asphalt parking lot and a grass field. The site is situated at 308 10th Avenue North southwest of the intersection of I-20 and I-65 in Birmingham, Alabama.

GIBCO concluded that there were no recognized environmental conditions at the time that the Phase I ESA was performed. Alabama Housing Finance Authority (AHFA) has requested a Phase 2 ESA based on the historical presence of a backyard garage that was on the site and a former drycleaner approximately 300 feet north of the site (Figure 2). AHFA is also concerned about the possibility of contamination from a railway that was to the northeast of the site.

At the request of GIBCO, Bhate prepared a scope of work for soil and groundwater sampling to help evaluate current site conditions. Initial Phase II ESA soil and groundwater sampling activities were conducted by Bhate at the site in November and December of 2024.

Based on the findings of the 2024 assessment, additional soil sampling was conducted in August 2025. Boring TMW-04, sampled in November 2024, was found to contain PAH in soils at concentrations above the respective RSLs. The additional borings were conducted to better define the area of elevated PAH at TMW-04. The following report summarized the findings of the 2024 and 2025 sampling activities.

2 GEOLOGY AND HYDROGEOLOGY

2.1 Geology

The geology of downtown Birmingham, Alabama is primarily characterized by carbonate rock formations from the Paleozoic era. The area lies within the Valley and Ridge physiographic province, which is known for its folded and faulted rock layers. The site is underlain by the Cambrian-aged Ketona Dolomite which consists primarily of light gray coarsely crystalline dolomite. The Jones Valley Fault parallels 10th Avenue North at the south end of the site.

Additionally, the downtown Birmingham area is influenced by the regional tectonics, which have resulted in structural features like anticlines and synclines. The presence of iron ore, coal, and other mineral resources in the surrounding region contributed to Birmingham's historic role in steel production. Faulting in the area is primarily associated with regional stresses. The geology of this region provides a clear representation of the dynamic geological processes that have shaped the area over millions of years.

Soils encountered during the installation of the temporary monitoring wells consisted of unconsolidated yellow to reddish silty clay. Boring logs with soil descriptions are provided in Appendix A.

2.2 Aquifer Conditions

Groundwater elevation measurements were obtained from temporary monitoring wells on November 27 and December 2, 2024, using an electronic water-level indicator. Groundwater stabilized at depths ranging from approximately 10 to 20 feet below top of well casing (Table 1). Bhate personnel obtained relative top-of-casing elevations for the temporary wells using standard surveying techniques and equipment. Top-of-casing elevations were referenced to a site elevation of 583.0 feet above mean seal level obtained using Google Earth.

A potentiometric surface map was prepared for the site based on the December 2, 2024, water level measurements (Figure 3). Based on the water level measurements, the direction of groundwater movement within the uppermost water-bearing unit is generally to the south which is consistent with local topography.

3 SITE ASSESSMENT FIELD ACTIVITIES

Bhate personnel performed the Phase II ESA activities at the subject site on November 26 through December 2, 2024. Soil borings/temporary wells TMW-1 through TMW-6 were installed and soil samples were collected on November 26 and groundwater samples were collected on November 27, 2024. Additional water level measurements were obtained on December 2, 2024.

Based on the findings of the 2024 assessment, Bhate was authorized to conduct additional soil sampling in August 2025. Eight additional shallow borings, TMW-4A through TMW-4H were conducted around boring TMW-04.

3.1 Soil Sampling

November 2024

Soil sampling was conducted at 6 locations (TMW-1 through TMW-6) at locations requested by GIBCO (Figure 4). Bhate used a direct push rig and Geoprobe™ large bore sampler to collect the soil samples at 4-foot intervals from the surface to a depth of 12 feet. Soil Samples were screened with a photoionization detector (PID) for the presence of organic vapors. Sample intervals with the highest PID readings were selected from each soil boring for analysis. PID readings are provided in the boring logs in Appendix A.

The soil samples were placed in appropriate containers and labeled. The containers were then placed in an insulated container, cooled with ice, and delivered with relevant chain of custody records to Sutherland Environmental in Birmingham, Alabama, for analysis of volatile organic compounds (VOCs) by EPA Method 8260B, and polynuclear aromatic hydrocarbons (PAH) by EPA Method 8270.

August 2025

On August 13, 2025, Bhate returned to the site with the direct push rig to collect soil samples from 8 additional borings (TMW-4A through TMW-4H) around boring TMW-04 (Figure 4A). Borings A through D were approximately 10 feet from TMW-4 and borings E through H were approximately 20 feet from TMW-4. Soil samples were collected from the surface to a depth of 4 feet using the Geoprobe™ large bore sampler. The soil samples were placed in appropriate containers and labeled. The containers were then placed in an insulated container, cooled with ice, and delivered with relevant chain of custody records to Pace Analytical in Mt. Juliet, Tennessee, for analysis of PAH by EPA Method 8270E-SIM.

3.2 Temporary Monitoring Well Installation and Groundwater Sampling

Temporary monitoring wells TMW-1 through TMW-6 were installed in each boring at depths of approximately 22 to 36 below ground surface, which was adequate to encounter groundwater. The monitoring wells were constructed using 0.75-inch diameter, flush-threaded Schedule 40 polyvinyl chloride (PVC) riser with 10 feet of 0.010-inch slotted well screen. The annular space around each well was filled with coarse-grained, quartz sand filter pack extending above the screen. A granular bentonite seal was placed on top of the sand pack to the surface. Well Construction Diagrams for each temporary monitoring well are provided in Appendix A of this report.

Groundwater samples were collected from each temporary monitoring well on November 27, 2024. It should be noted that groundwater sampling was not conducted during the August 2025 additional soil sampling. Each well was purged with a peristaltic pump and dedicated tubing until the purge water was relatively clear of fine-grained sediment. The groundwater samples were placed in appropriate containers and labeled. The containers were then placed in an insulated container, cooled with ice, and delivered with relevant chain of custody records to Sutherland Environmental, for analysis of VOCs by USEPA Method 8260B, and PAH by USEPA Method 8270. The laboratory reports for the soil and groundwater samples are in Appendix B.

3.3 Soil Analytical Results

A summary of the soil laboratory results, reported in milligrams per kilograms (mg/kg), is shown on Figure 4 and 4A and summarized in Table 2. The soil analytical results have been compared to the USEPA Regional Screening Levels (RSLs, May 2024) for residential sites.

November 2024

None of the soil samples contained VOC concentrations exceeding the method detection limits. PAH constituents were detected only in a soil sample collected from 0-4 feet in boring TMW-4. Two PAH constituents, benzo (a) pyrene and benzo (b) fluoranthene, were detected at concentrations above the respective RSLs for residential sites (Figure 4).

Boring TMW-4 is in a grass field at the north end of the property. According to GIBCO, the Phase I ESA did not indicate a potential source of the PAH in shallow soil.

August 2025

PAH constituents were detected in each of the eight soil samples collected in August 2025 around TMW-04. This is in part due to the lower detection limits reported by Pace Analytical. Benzo (a) pyrene was detected at a concentration above the RSLs for residential sites only in sample TMW-4D (Figure 4A). No other soil samples contained PAH above the respective RSLs for residential sites

3.4 Groundwater Analytical Results

A summary of the groundwater laboratory results, reported in milligrams per liter (mg/L), is shown on Figure 4 and summarized in Table 3. None of the groundwater samples contained detectable concentrations of VOC or PAH.

4 CONCLUSIONS

At the request of GIBCO, Bhate conducted a Phase II ESA at the Smithfield Phase II site in Birmingham, Alabama. The following are the findings of the investigation:

- Groundwater stabilized at depths ranging from approximately 10 to 20 feet below ground surface on January 30, 2024. The direction of groundwater movement is generally to the south consistent with local topography.

- Soil samples collected from soil boring locations did not contain detectable VOCs. PAH constituents were detected above the respective residential RSLs only in soil samples collected from 0-4 feet from TMW-4 and offset boring TMW-4D.

- No detectable concentrations of VOCs or PAH were reported in any of the groundwater samples.

The source of PAH in soils at TMW-4 is currently unknown. The extent of PAH in soil is confined to a small area around borings TMW-4 and TMW-4D. Based on the groundwater sampling results it does not appear that groundwater has been impacted by PAH. PAH is not volatile and is not a vapor intrusion concern. Exposure to PAH constituents in soil can be eliminated by removing the impacted soils for disposal at a permitted landfill facility or site redevelopment that caps the impacted soil. Bhate has reviewed a proposed site development plan provided by GIBCO dated October 9, 2024. The location of TMW-4 appears to be within the footprint of proposed Building 6.

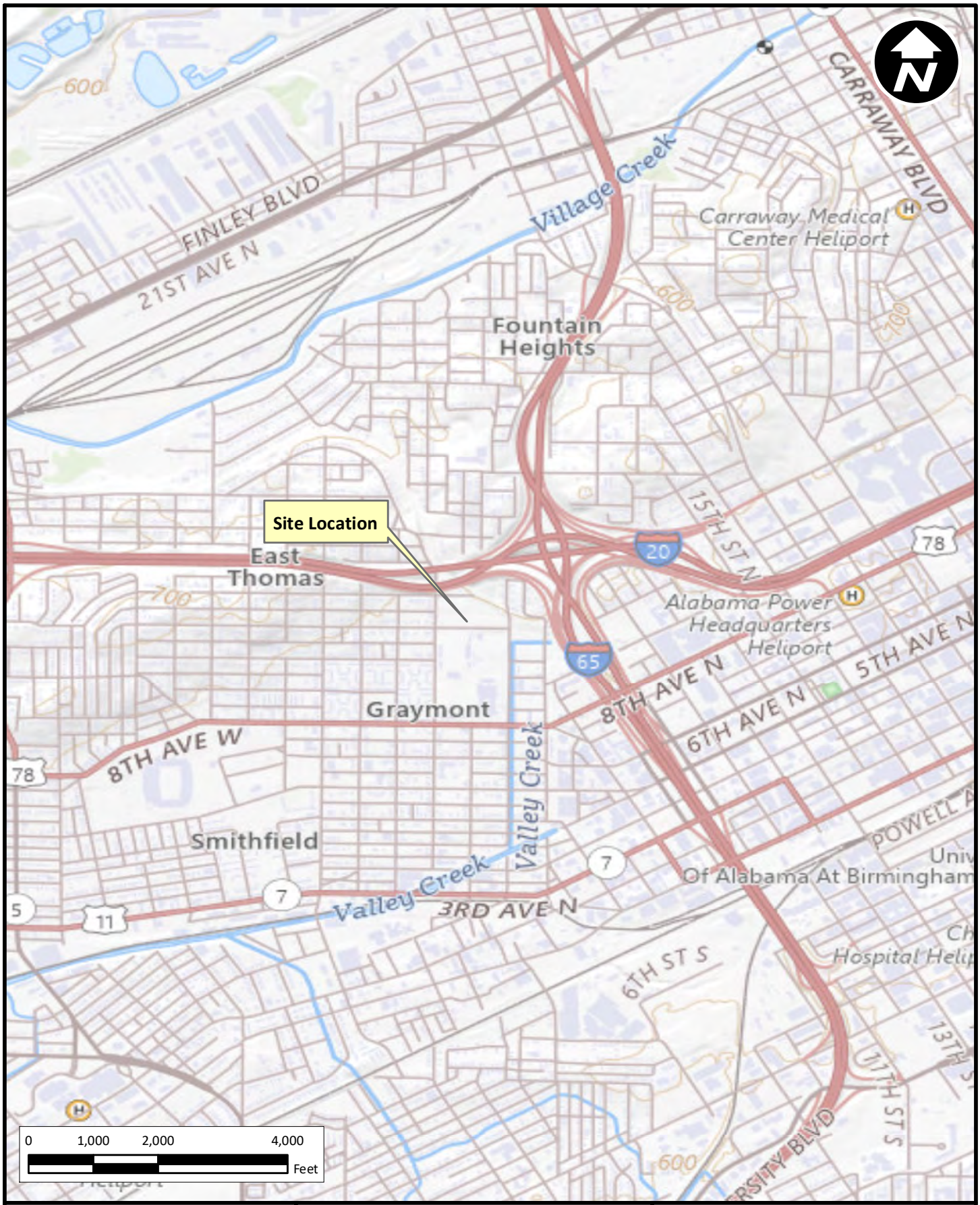
5 CLOSING REMARKS

This report has been prepared for GIBCO Environmental for specific application to the subject site. The information presented in this report is based solely on the results of laboratory analysis of samples collected and field measurements obtained on the dates provided.

Future environmental conditions at the subject site can change subject to future changes in operations and land usage. The opinions and findings of this report represent those conditions apparent at the time and dates the work was performed. New regulations, changes in surrounding land use, geologic conditions, and other factors may also result in changed conditions in the future.

The work described in this report has been prepared in accordance with the contract documents, and in accordance with standard industry practice. No other warranty is implied or expressed.

FIGURES



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Smithfield Phase II
308 10th Avenue North
Birmingham, Alabama

PROJECT NO:	SCALE:	DATE:	DRAWN BY:
CSG2024.0069.0001	As Shown	12/6/2024	CM

Topographic Map

Figure 1

0 50 100 200 Feet

Appoximate Location of Former Dry Cleaner

Appoximate Location of Former Rail Road Right-of-Way

Appoximate Location of Former Garage

TMW-1

TMW-2

TMW-3

TMW-4

TMW-5

TMW-6

3rd Street North

10th Avenue North

Notes:
This information is depicted to provide visual aid within the context of this document and should not be used as a sole reference in precise dimensioning of features indicated. Please verify the location of all features including underground and aboveground utilities prior to conducting any subsurface exploration or site assessment.

Legend:
- Monitoring Well Location
- Site Boundary

Site Map

Figure 2

Smithfield Phase II
308 10th Avenue North
Birmingham, Alabama

DRAWN BY: CM

DATE: 12/9/2024

SCALE: As Shown

PROJECT NO: CSG2024.0069.0001

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0 30 60 120 Feet

N

TMW-3 (576.40)

TMW-4 (577.71)

TMW-5 (571.98)

TMW-6 (573.89)

TMW-1 (573.89)

TMW-2 (Damaged)

571.00

576.00

575.00

574.00

573.00

572.00

573.00

3rd Street North

10th Avenue North

WELCOME TO HERD COUNTRY ... THE HERD

Notes:
This information is depicted to provide visual aid within the context of this document and should not be used as a sole reference in precise dimensioning of features indicated. Please verify the location of all features including underground and aboveground utilities prior to conducting any subsurface exploration or site assessment.

Legend:
- Monitoring Well Location
- (573.89) Potentiometric Surface Elevation in Feet Above Mean Sea Level
- Potentiometric Surface Contour (Dashed Where Inferred)
- Direction of Groundwater Flow

Potentiometric Surface Map (12/2/2024)

Figure 3

Smithfield Phase II
308 10th Avenue North
Birmingham, Alabama

DRAWN BY: CM

DATE: 12/6/2024

SCALE: As Shown

PROJECT NO: CSG2024.0069.0001

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PARAMETER	Units	Residential RSL	TMW-1	TMW-2	TMW-3	TMW-4	TMW-5	TMW-6
			8-12 feet	4-8 feet	11-12 feet	0-4 feet	7-8 feet	7-8 feet
			11/26/24	11/26/24	11/26/24	11/26/24	11/26/24	11/26/24
			RESULT	RESULT	RESULT	RESULT	RESULT	RESULT
Volatile Organic Compounds - EPA Method 8260B								
Volatile Organic Compounds	mg/kg		BDL	BDL	BDL	BDL	BDL	BDL
Polynuclear Aromatic Hydrocarbons - EPA Method 8270								
Acenaphthene	mg/kg	360	BDL	BDL	BDL	0.055	BDL	BDL
Acenaphthylene	mg/kg	NE	BDL	BDL	BDL	0.098	BDL	BDL
Anthracene	mg/kg	1,800	BDL	BDL	BDL	0.129	BDL	BDL
Benzo (a) anthracene	mg/kg	1.1	BDL	BDL	BDL	0.417	BDL	BDL
Benzo (b) fluoranthene	mg/kg	1.1	BDL	BDL	BDL	**1.26**	BDL	BDL
Benzo (k) fluoranthene	mg/kg	11	BDL	BDL	BDL	0.465	BDL	BDL
Benzo (ghi) perylene	mg/kg	NE	BDL	BDL	BDL	0.625	BDL	BDL
Benzo (a) pyrene	mg/kg	0.11	BDL	BDL	BDL	**0.795**	BDL	BDL
Chrysene	mg/kg	110	BDL	BDL	BDL	0.660	BDL	BDL
Fluoranthene	mg/kg	240	BDL	BDL	BDL	1.14	BDL	BDL
Flourene	mg/kg	240	BDL	BDL	BDL	0.077	BDL	BDL
Indeno (1,2,3-cd) pyrene	mg/kg	1	BDL	BDL	BDL	0.620	BDL	BDL
Phenanthrene	mg/kg	NE	BDL	BDL	BDL	0.675	BDL	BDL
Pyrene	mg/kg	180	BDL	BDL	BDL	1.0	BDL	BDL

NOTES:
mg/kg - millgrams per kilogram
RSL - USEPA Regional Screening Level (RSL) for Commercial Soils, November 2023.
NE - Not Established
BDL - Below Method Detection Limit

0 30 60 120 Feet

TMW-1
TMW-2
TMW-4
TMW-5
TMW-6
3rd Street North

Notes:
This information is depicted to provide visual aid within the context of this document and should not be used as a sole reference in precise dimensioning of features indicated. Please verify the location of all features including underground and aboveground utilities prior to conducting any subsurface exploration or site assessment.

Legend:
Monitoring Well Location

Soil Analytical Results (November 2024)

Figure 4

Smithfield Phase II
308 10th Avenue North
Birmingham, Alabama

DRAWN BY: CM
DATE: 12/6/2024
SCALE: As Shown
PROJECT NO: CSG2024.0069.0001

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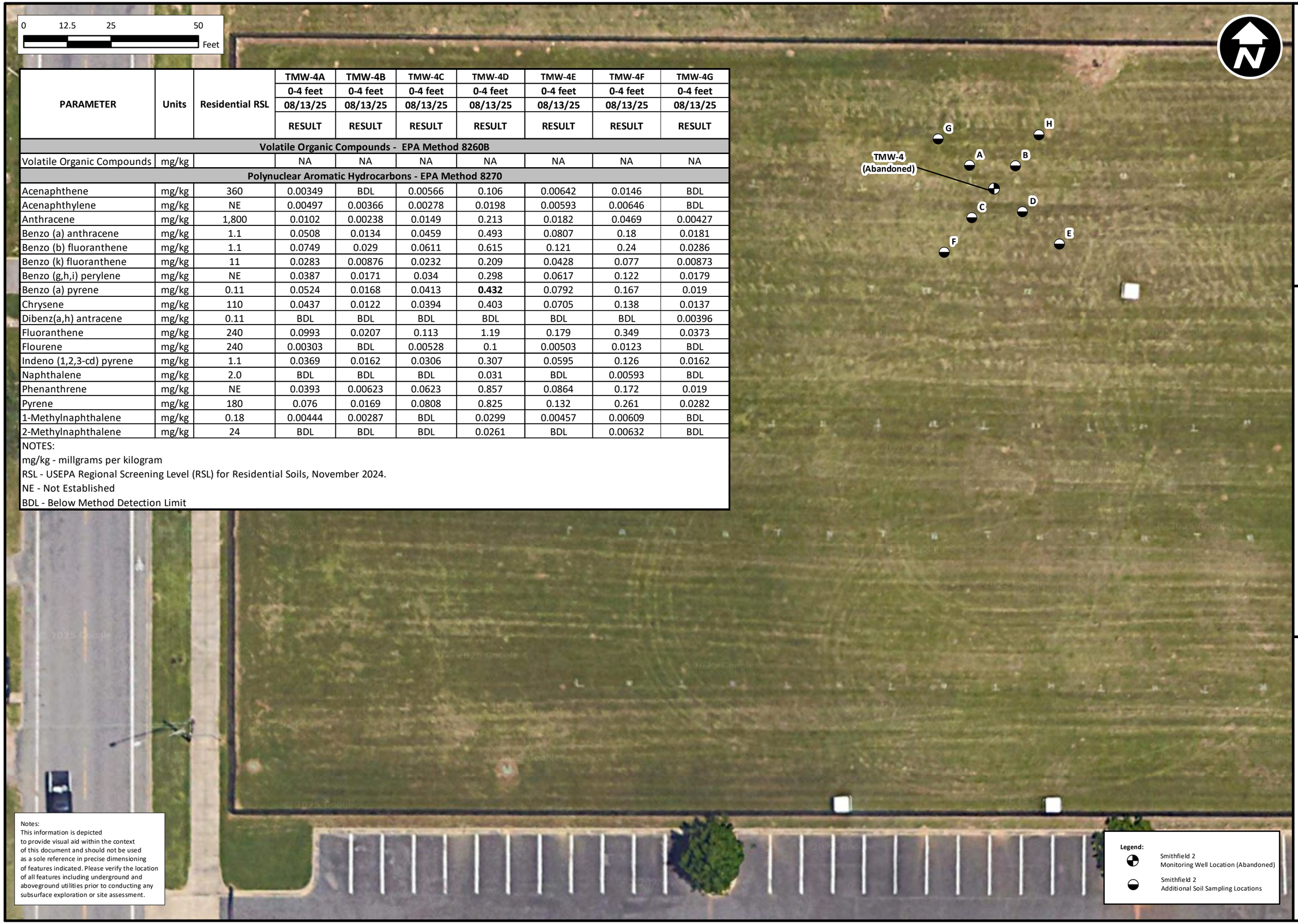
PARAMETER	Units	Residential RSL	TMW-4A	TMW-4B	TMW-4C	TMW-4D	TMW-4E	TMW-4F	TMW-4G
			0-4 feet	0-4 feet	0-4 feet	0-4 feet	0-4 feet	0-4 feet	0-4 feet
			08/13/25	08/13/25	08/13/25	08/13/25	08/13/25	08/13/25	08/13/25
			RESULT	RESULT	RESULT	RESULT	RESULT	RESULT	RESULT
Volatile Organic Compounds - EPA Method 8260B									
Volatile Organic Compounds	mg/kg		NA	NA	NA	NA	NA	NA	NA
Polynuclear Aromatic Hydrocarbons - EPA Method 8270									
Acenaphthene	mg/kg	360	0.00349	BDL	0.00566	0.106	0.00642	0.0146	BDL
Acenaphthylene	mg/kg	NE	0.00497	0.00366	0.00278	0.0198	0.00593	0.00646	BDL
Anthracene	mg/kg	1,800	0.0102	0.00238	0.0149	0.213	0.0182	0.0469	0.00427
Benzo (a) anthracene	mg/kg	1.1	0.0508	0.0134	0.0459	0.493	0.0807	0.18	0.0181
Benzo (b) fluoranthene	mg/kg	1.1	0.0749	0.029	0.0611	0.615	0.121	0.24	0.0286
Benzo (k) fluoranthene	mg/kg	11	0.0283	0.00876	0.0232	0.209	0.0428	0.077	0.00873
Benzo (g,h,i) perylene	mg/kg	NE	0.0387	0.0171	0.034	0.298	0.0617	0.122	0.0179
Benzo (a) pyrene	mg/kg	0.11	0.0524	0.0168	0.0413	**0.432**	0.0792	0.167	0.019
Chrysene	mg/kg	110	0.0437	0.0122	0.0394	0.403	0.0705	0.138	0.0137
Dibenz(a,h) antracene	mg/kg	0.11	BDL	BDL	BDL	BDL	BDL	BDL	0.00396
Fluoranthene	mg/kg	240	0.0993	0.0207	0.113	1.19	0.179	0.349	0.0373
Flourene	mg/kg	240	0.00303	BDL	0.00528	0.1	0.00503	0.0123	BDL
Indeno (1,2,3-cd) pyrene	mg/kg	1.1	0.0369	0.0162	0.0306	0.307	0.0595	0.126	0.0162
Naphthalene	mg/kg	2.0	BDL	BDL	BDL	0.031	BDL	0.00593	BDL
Phenanthrene	mg/kg	NE	0.0393	0.00623	0.0623	0.857	0.0864	0.172	0.019
Pyrene	mg/kg	180	0.076	0.0169	0.0808	0.825	0.132	0.261	0.0282
1-Methylnaphthalene	mg/kg	0.18	0.00444	0.00287	BDL	0.0299	0.00457	0.00609	BDL
2-Methylnaphthalene	mg/kg	24	BDL	BDL	BDL	0.0261	BDL	0.00632	BDL

NOTES:
mg/kg - millgrams per kilogram
RSL - USEPA Regional Screening Level (RSL) for Residential Soils, November 2024.
NE - Not Established
BDL - Below Method Detection Limit



Additional Soil Analytical Results
(August 2025)

Figure 4A

Smithfield Phase II
308 10th Avenue North
Birmingham, Alabama

DRAWN BY: CM

DATE: 8/27/2025

SCALE: As Shown

PROJECT NO: CSG2024.0069.0001

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0 30 60 120 Feet

PARAMETER	Units	TMW-1 11/27/24 RESULT	TMW-2 11/27/24 RESULT	TMW-3 11/27/24 RESULT	TMW-4 11/27/24 RESULT	TMW-5 11/27/24 RESULT	TMW-6 11/27/24 RESULT
Volatile Organic Compounds - EPA Method 8260B							
Volatile Organic Compounds	mg/L	BDL	BDL	BDL	BDL	BDL	BDL
Polynuclear Aromatic Hydrocarbons - EPA Method 8270							
Polynuclear Aromatic Hydrocarbons	mg/L	BDL	BDL	BDL	BDL	BDL	BDL

NOTES:
mg/L - millgrams per liter
BDL - Below Method Detection Limit

TMW-1
TMW-2
TMW-3
TMW-4
TMW-5
TMW-6
3rd Street North

Notes:
This information is depicted to provide visual aid within the context of this document and should not be used as a sole reference in precise dimensioning of features indicated. Please verify the location of all features including underground and aboveground utilities prior to conducting any subsurface exploration or site assessment.

Legend:
Monitoring Well Location

Groundwater Analytical Results (November 2024)

Figure 5

Smithfield Phase II
308 10th Avenue North
Birmingham, Alabama

DRAWN BY: CM
DATE: 12/6/2024
SCALE: As Shown
PROJECT NO: CSG2024.0069.0001

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TABLES

Table 1

Groundwater Elevation and Well Construction Data

Smithfield Phase II

308 10th Avenue North

Birmingham, Alabama

Bhate Project No.: BRE2024.0069

Well ID	Date Measured	TOC Elevation (FTAMSL)	Total Depth (ft btoc)	Water Level (ft btoc)	Groundwater Elevation (FTAMSL)
TMW-1	11/27/2024	583.00	22.0	14.64	568.36
	12/2/2024			9.91	573.09
TMW-2	11/27/2024	582.90	32.0	19.71	563.19
	12/2/2024			Damaged	Damaged
TMW-3	11/27/2024	589.28	32.0	11.34	577.94
	12/2/2024			12.88	576.40
TMW-4	11/27/2024	589.40	32.0	12.17	577.23
	12/2/2024			11.69	577.71
TMW-5	11/27/2024	589.94	32.0	22.61	567.33
	12/2/2024			17.96	571.98
TMW-6	11/27/2024	594.45	36.0	24.30	570.15
	12/2/2024			20.56	573.89

Notes:

TOC = Top of well casing

TOC elevations referenced to estimated benchmark elevation of 583.00 feet above mean sea level at TMW-1.

ft amsl = feet above mean sea level

ft btoc = feet below top of casing

Table 2
Analytical Results for Soil Samples
Smithfield Phase II
308 10th Avenue North
Birmingham, Alabama
Bhate Project No.: BRE2024.0069

PARAMETER	Units	Residential RSL	TMW-1	TMW-2	TMW-3	TMW-4	TMW-5	TMW-6	TMW-4A	TMW-4B	TMW-4C	TMW-4D	TMW-4E	TMW-4F	TMW-4G
			8-12 feet	4-8 feet	11-12 feet	0-4 feet	7-8 feet	7-8 feet	0-4 feet	0-4 feet	0-4 feet	0-4 feet	0-4 feet	0-4 feet	0-4 feet
			11/26/24	11/26/24	11/26/24	11/26/24	11/26/24	11/26/24	08/13/25	08/13/25	08/13/25	08/13/25	08/13/25	08/13/25	08/13/25
			RESULT	RESULT	RESULT	RESULT	RESULT	RESULT	RESULT	RESULT	RESULT	RESULT	RESULT	RESULT	RESULT
Volatile Organic Compounds - EPA Method 8260B															
Volatile Organic Compounds	mg/kg		BDL	BDL	BDL	BDL	BDL	BDL	NA	NA	NA	NA	NA	NA	NA
Polynuclear Aromatic Hydrocarbons - EPA Method 8270															
Acenaphthene	mg/kg	360	BDL	BDL	BDL	0.055	BDL	BDL	0.00349	BDL	0.00566	0.106	0.00642	0.0146	BDL
Acenaphthylene	mg/kg	NE	BDL	BDL	BDL	0.098	BDL	BDL	0.00497	0.00366	0.00278	0.0198	0.00593	0.00646	BDL
Anthracene	mg/kg	1,800	BDL	BDL	BDL	0.129	BDL	BDL	0.0102	0.00238	0.0149	0.213	0.0182	0.0469	0.00427
Benzo (a) anthracene	mg/kg	1.1	BDL	BDL	BDL	0.417	BDL	BDL	0.0508	0.0134	0.0459	0.493	0.0807	0.18	0.0181
Benzo (b) fluoranthene	mg/kg	1.1	BDL	BDL	BDL	**1.26**	BDL	BDL	0.0749	0.029	0.0611	0.615	0.121	0.24	0.0286
Benzo (k) fluoranthene	mg/kg	11	BDL	BDL	BDL	0.465	BDL	BDL	0.0283	0.00876	0.0232	0.209	0.0428	0.077	0.00873
Benzo (g,h,i) perylene	mg/kg	NE	BDL	BDL	BDL	0.625	BDL	BDL	0.0387	0.0171	0.034	0.298	0.0617	0.122	0.0179
Benzo (a) pyrene	mg/kg	0.11	BDL	BDL	BDL	**0.795**	BDL	BDL	0.0524	0.0168	0.0413	**0.432**	0.0792	0.167	0.019
Chrysene	mg/kg	110	BDL	BDL	BDL	0.660	BDL	BDL	0.0437	0.0122	0.0394	0.403	0.0705	0.138	0.0137
Dibenz(a,h) antracene	mg/kg	0.11	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	0.00396
Fluoranthene	mg/kg	240	BDL	BDL	BDL	1.14	BDL	BDL	0.0993	0.0207	0.113	1.19	0.179	0.349	0.0373
Flourene	mg/kg	240	BDL	BDL	BDL	0.077	BDL	BDL	0.00303	BDL	0.00528	0.1	0.00503	0.0123	BDL
Indeno (1,2,3-cd) pyrene	mg/kg	1.1	BDL	BDL	BDL	0.620	BDL	BDL	0.0369	0.0162	0.0306	0.307	0.0595	0.126	0.0162
Naphthalene	mg/kg	2.0	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	0.031	BDL	0.00593	BDL
Phenanthrene	mg/kg	NE	BDL	BDL	BDL	0.675	BDL	BDL	0.0393	0.00623	0.0623	0.857	0.0864	0.172	0.019
Pyrene	mg/kg	180	BDL	BDL	BDL	1.0	BDL	BDL	0.076	0.0169	0.0808	0.825	0.132	0.261	0.0282
1-Methylnaphthalene	mg/kg	0.18	BDL	BDL	BDL	BDL	BDL	BDL	0.00444	0.00287	BDL	0.0299	0.00457	0.00609	BDL
2-Methylnaphthalene	mg/kg	24	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	0.0261	BDL	0.00632	BDL

NOTES:
mg/kg - millgrams per kilogram
RSL - USEPA Regional Screening Level (RSL) for Residential Soils, November 2024.
NE - Not Established
BDL - Below Method Detection Limit

Table 3							
Analytical Results for Groundwater Samples							
Smithfield Phase II							
308 10th Avenue North							
Birmingham, Alabama							
Bhate Project No.: BRE2024.0069							
PARAMETER	**Units**	**TMW-1**	**TMW-2**	**TMW-3**	**TMW-4**	**TMW-5**	**TMW-6**
		11/27/24	**11/27/24**	**11/27/24**	**11/27/24**	**11/27/24**	**11/27/24**
		RESULT	**RESULT**	**RESULT**	**RESULT**	**RESULT**	**RESULT**
Volatile Organic Compounds - EPA Method 8260B							
Volatile Organic Compounds	mg/L	BDL	BDL	BDL	BDL	BDL	BDL
Polynuclear Aromatic Hydrocarbons - EPA Method 8270							
Polynuclear Aromatic Hydrocarbons	mg/L	BDL	BDL	BDL	BDL	BDL	BDL
NOTES:							
mg/L - millgrams per liter							
BDL - Below Method Detection Limit							

APPENDIX A

BORING LOGS AND TEMPORARY WELL CONSTRUCTION DIAGRAMS

bhate	Project Name: Smithfield	Well/Boring ID: TMW-1	
1608 13th Avenue South, Suite 300 Birmingham, AL 35205	Project Location: Due N of Parker HS Football Field,	Northing: TBD	Easting: TBD
	CSG2024.0069	Hole Size: 2-inch	Total Depth (ft): 22.00
	Drilling Contractor: Bhate	Ground Surface Elev: NM	TOC Elevation (ft amsl): NM
	Drilling Method: Direct Push Technology (DPT)	Depth to Water (ft): 14.64'	Date Measured: 11/27/2024
Logged By:Christian Elom	Sampling Method: Grab	Date Started: 11/26/2024	Date Completed: 11/26/2024

Depth (Feet)	USCS	Graphic Log	Lithology	PID (ppm)
0			0' to 4': Brownish-Red Silty Clay; Lean	0.7
1				
2				
3				
4			4' to 8': Brownish-Red Silty Clay; Lean	0.2
5				
6				
7				
8			8' to 12': Brownish-Red Silty Clay; Lean	0.7
9				
10				
11				
12			12' to 22': Not sampled	
13				
14				
15				
16				
17				
18				
19				
20				
21				
22			Boring Terminated at 22 feet.	

Notes:

bhate	Project Name: Smithfield	Well/Boring ID: TMW-2	
1608 13th Avenue South, Suite 300 Birmingham, AL 35205	Project Location: Due N of Parker HS Football Field,	Northing: TBD	Easting: TBD
	CSG2024.0069	Hole Size: 2-inch	Total Depth (ft): 32.00
	Drilling Contractor: Bhate	Ground Surface Elev: NM	TOC Elevation (ft amsl): NM
	Drilling Method: Direct Push Technology (DPT)	Depth to Water (ft): 19.71'	Date Measured: 11/27/2024
Logged By:Christian Elom	Sampling Method: Grab	Date Started: 11/26/2024	Date Completed: 11/26/2024

Depth (Feet)	USCS	Graphic Log	Lithology	PID (ppm)
0			0' to 4': No Return	NM
1				
2				
3				
4			4' to 8': Brownish-Red Silty Clay; Lean	2.2
5				
6				
7				
8			8' to 12': No Return	NM
9				
10				
11				
12			12' to 16': Brownish-Red Silty Clay; Lean	0.7
13				
14				
15				
16			16' to 32': Not Sampled	
17				
18				
19				
20				
21				
22				
23				
24				
25				
26				
27				
28				
29				
30				
31				
32			Boring terminated at 32 feet	

Notes:

bhate	Project Name: Smithfield	Well/Boring ID: TMW-3	
1608 13th Avenue South, Suite 300 Birmingham, AL 35205	Project Location: Due N of Parker HS Football Field,	Northing: TBD	Easting: TBD
	CSG2024.0069	Hole Size: 2-inch	Total Depth (ft): 32.00
	Drilling Contractor: Bhate	Ground Surface Elev: NM	TOC Elevation (ft amsl): NM
	Drilling Method: Direct Push Technology (DPT)	Depth to Water (ft): 11.34'	Date Measured: 11/27/2024
Logged By:Christian Elom	Sampling Method: Grab	Date Started: 11/26/2024	Date Completed: 11/26/2024

Depth (Feet)	USCS	Graphic Log	Lithology	PID (ppm)
0			0' to 4': Brownish-Red Silty Clay; Lean	4.3
1				
2				
3				
4			4' to 8': Brownish-Red Silty Clay; Lean	27.8
5				
6				
7				
8			8' to 12': Brownish Red Sandy Clay	295.2
9				
10				
11				
12			12' to 32': Not Sampled	
13				
14				
15				
13				
14				
15				
16				
17				
18				
19				
20				
21				
22				
23				
24				
25				
26				
27				
28				
29				
30				
31				
32			Boring Terminated at 32 feet.	

Notes:

bhate	Project Name: Smithfield	Well/Boring ID: TMW-4	
1608 13th Avenue South, Suite 300 Birmingham, AL 35205	Project Location: Due N of Parker HS Football Field,	Northing: TBD	Easting: TBD
	CSG2024.0069	Hole Size: 2-inch	Total Depth (ft): 32.00
	Drilling Contractor: Bhate	Ground Surface Elev: NM	TOC Elevation (ft amsl): NM
	Drilling Method: Direct Push Technology (DPT)	Depth to Water (ft): 12.17'	Date Measured: 11/27/2024
Logged By:Christian Elom	Sampling Method: Grab	Date Started: 11/26/2024	Date Completed: 11/26/2024

Depth (Feet)	USCS	Graphic Log	Lithology	PID (ppm)
0			0' to 4': Brownish-Red Silty Clay; Lean	1.2
1				
2				
3				
4			4' to 8': Brownish-Red Silty Clay; Lean	4.4
5				
6				
7				
8			8' to 12': Brownish Red Sandy Clay	1
9				
10				
11				
12			12' to 32': Not Sampled	
13				
14				
15				
13				
14				
15				
16				
17				
18				
19				
20				
21				
22				
23				
24				
25				
26				
27				
28				
29				
30				
31				
32			Boring terminated at 32 feet.	

Notes:

bhate	Project Name: Smithfield	Well/Boring ID: TMW-5	
1608 13th Avenue South, Suite 300 Birmingham, AL 35205	Project Location: Due N of Parker HS Football Field,	Northing: TBD	Easting: TBD
	CSG2024.0069	Hole Size: 2-inch	Total Depth (ft): 32.00
	Drilling Contractor: Bhate	Ground Surface Elev: NM	TOC Elevation (ft amsl): NM
	Drilling Method: Direct Push Technology (DPT)	Depth to Water (ft): 22.61'	Date Measured: 11/27/2024
Logged By:Christian Elom	Sampling Method: Grab	Date Started: 11/26/2024	Date Completed: 11/26/2024

Depth (Feet)	USCS	Graphic Log	Lithology	PID (ppm)
0			0' to 4': Brownish-Red Silty Clay; Lean	6.2
1				
2				
3				
4			4' to 8': Brownish-Red Silty Clay; Lean	57.4
5				
6				
7				
8			8' to 12': No Return	0
9				
10				
11				
12			12' to 32': Not Sampled	
13				
14				
15				
16				
17				
18				
19				
20				
21				
22				
23				
24				
25				
26				
27				
28				
29				
30				
31				
32			Boring terminated at 32 feet	

Notes:

bhate	Project Name: Smithfield	Well/Boring ID: TMW-6	
1608 13th Avenue South, Suite 300 Birmingham, AL 35205	Project Location: Due N of Parker HS Football Field,	Northing: TBD	Easting: TBD
	CSG2024.0069	Hole Size: 2-inch	Total Depth (ft): 36.00
	Drilling Contractor: Bhate	Ground Surface Elev: NM	TOC Elevation (ft amsl): NM
	Drilling Method: Direct Push Technology (DPT)	Depth to Water (ft): 24.30'	Date Measured: 11/27/2024
Logged By:Christian Elom	Sampling Method: Grab	Date Started: 11/26/2024	Date Completed: 11/26/2024

Depth (Feet)	USCS	Graphic Log	Lithology	PID (ppm)
0			0' to 4': Brownish-Red Silty Clay; Lean	1.4
1				
2				
3				
4			4' to 8': Brownish-Red Silty Clay; Lean	75.7
5				
6				
7				
8			8' to 12': No Return	0
9				
10				
11				
12			12' to 36': Not Sampled	
13				
14				
15				
16				
17				
18				
19				
20				
21				
22				
23				
24				
25				
26				
27				
28				
29				
30				
31				
32				
33				
34				
35				
36			Boring terminated at 36 feet.	

Notes:

bhate

WELL CONSTRUCTION DIAGRAM (Temporary Monitoring Well)

SITE:	Smithfield, Birmingham, AL	**WELL/BORING ID:**	TMW-1
PROJECT NAME:	Phase II Environmental Site Assessment	**DRILLING METHOD:**	Direct Push Technology (DPT)
PROJECT NO.:	CSG.2024.0069	**DATE(S):**	11/26/2024
DRILLING CONTRACTOR:	Bhate Environmental	**SURVEYOR:**	Bhate
DRILLER:	Emmett Beers/Joseph Breedlove	**NORTHING (NAD 83):**	
SCIENTIST:	Christian Elom	**EASTING (NAD 83):**	

NOT TO SCALE

Surface Elevation (NGVD 29): NM

Casing Elevation: 583.00
(Relative to estimated benchmark)

Borehole Diameter (in): 2.25
Well Casing Diameter (in): 0.75

Top of Bentonite Seal: Surface

Top of Filter Pack: 8.0 ft bgs

Top of Screen: 12.0 ft bgs

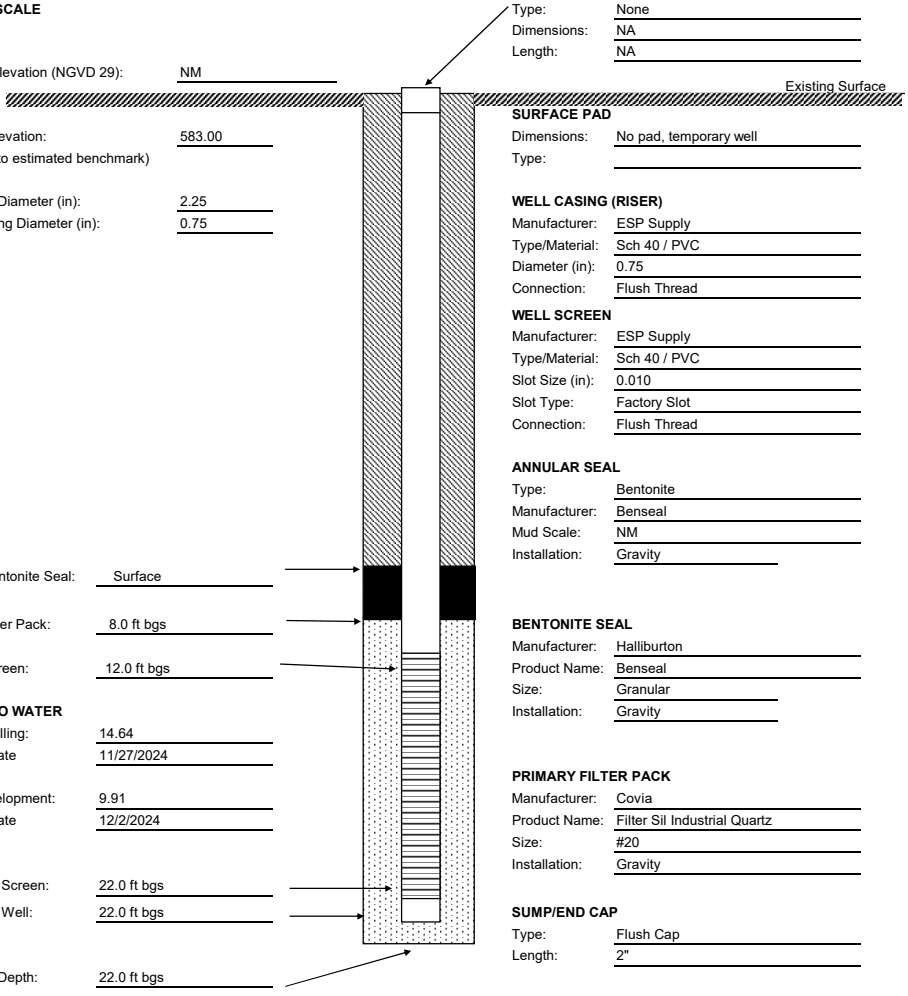
DEPTH TO WATER
During Drilling: 14.64
Date: 11/27/2024

Post Development: 9.91
Date: 12/2/2024

Bottom of Screen: 22.0 ft bgs

Bottom of Well: 22.0 ft bgs

Borehole Depth: 22.0 ft bgs



PROTECTIVE CASING
Type: None
Dimensions: NA
Length: NA

SURFACE PAD
Dimensions: No pad, temporary well
Type:

WELL CASING (RISER)
Manufacturer: ESP Supply
Type/Material: Sch 40 / PVC
Diameter (in): 0.75
Connection: Flush Thread

WELL SCREEN
Manufacturer: ESP Supply
Type/Material: Sch 40 / PVC
Slot Size (in): 0.010
Slot Type: Factory Slot
Connection: Flush Thread

ANNULAR SEAL
Type: Bentonite
Manufacturer: Benseal
Mud Scale: NM
Installation: Gravity

BENTONITE SEAL
Manufacturer: Halliburton
Product Name: Benseal
Size: Granular
Installation: Gravity

PRIMARY FILTER PACK
Manufacturer: Covia
Product Name: Filter Sil Industrial Quartz
Size: #20
Installation: Gravity

SUMP/END CAP
Type: Flush Cap
Length: 2"

BACKFILL MATERIAL
Type: TBD
Volume: To Land Surface

Comments: bgs = below ground surface; NA = not applicable, NM = not measured; PVC = polyvinyl chloride

bhate

WELL CONSTRUCTION DIAGRAM (Temporary Monitoring Well)

SITE:	Smithfield, Birmingham, AL	**WELL/BORING ID:**	TMW-2
PROJECT NAME:	Phase II Environmental Site Assessment	**DRILLING METHOD:**	Direct Push Technology (DPT)
PROJECT NO.:	CSG.2024.0069	**DATE(S):**	11/26/2024
DRILLING CONTRACTOR:	Bhate Environmental	**SURVEYOR:**	Bhate
DRILLER:	Emmett Beers/Joseph Breedlove	**NORTHING (NAD 83):**	
SCIENTIST:	Christian Elom	**EASTING (NAD 83):**	

NOT TO SCALE

Surface Elevation (NGVD 29): NM

Casing Elevation: 582.90
(Relative to estimated benchmark)

Borehole Diameter (in): 2.25
Well Casing Diameter (in): 0.75

Top of Bentonite Seal: Surface

Top of Filter Pack: 20.0 ft bgs

Top of Screen: 22.0 ft bgs

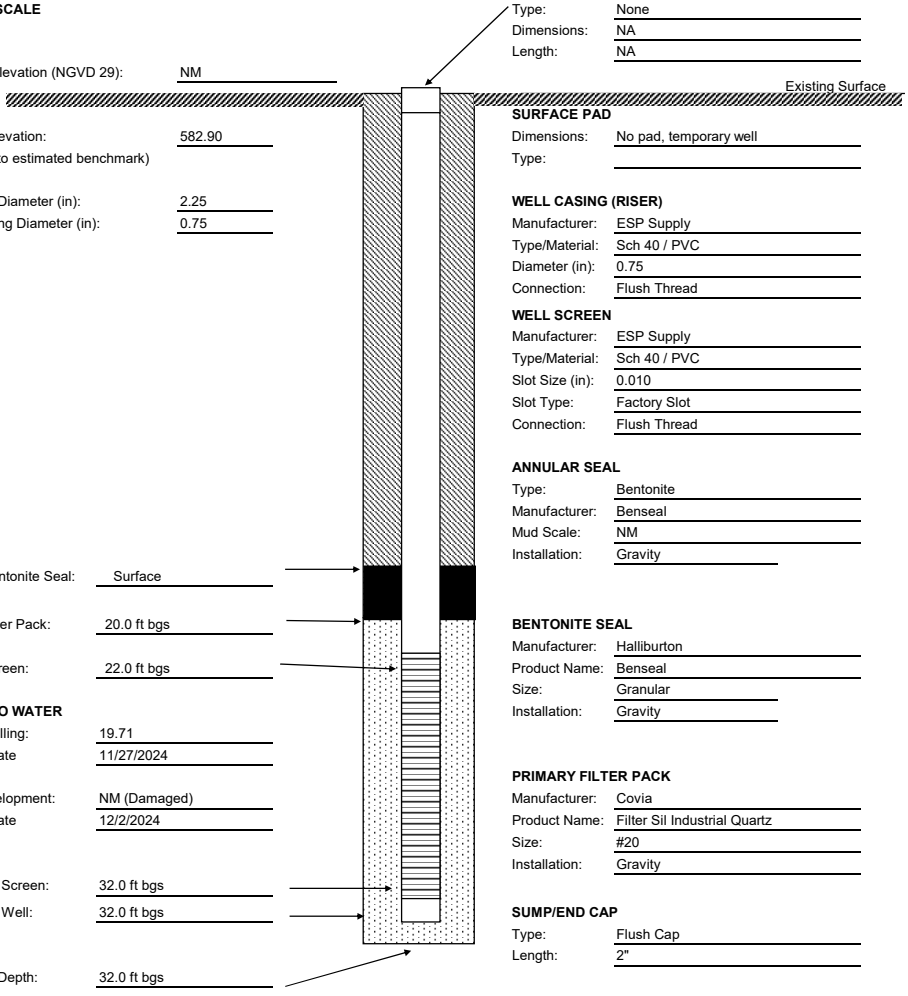
DEPTH TO WATER
During Drilling: 19.71
Date: 11/27/2024

Post Development: NM (Damaged)
Date: 12/2/2024

Bottom of Screen: 32.0 ft bgs

Bottom of Well: 32.0 ft bgs

Borehole Depth: 32.0 ft bgs



PROTECTIVE CASING
Type: None
Dimensions: NA
Length: NA

SURFACE PAD
Dimensions: No pad, temporary well
Type:

WELL CASING (RISER)
Manufacturer: ESP Supply
Type/Material: Sch 40 / PVC
Diameter (in): 0.75
Connection: Flush Thread

WELL SCREEN
Manufacturer: ESP Supply
Type/Material: Sch 40 / PVC
Slot Size (in): 0.010
Slot Type: Factory Slot
Connection: Flush Thread

ANNULAR SEAL
Type: Bentonite
Manufacturer: Benseal
Mud Scale: NM
Installation: Gravity

BENTONITE SEAL
Manufacturer: Halliburton
Product Name: Benseal
Size: Granular
Installation: Gravity

PRIMARY FILTER PACK
Manufacturer: Covia
Product Name: Filter Sil Industrial Quartz
Size: #20
Installation: Gravity

SUMP/END CAP
Type: Flush Cap
Length: 2"

BACKFILL MATERIAL
Type: TBD
Volume: To Land Surface

Comments: bgs = below ground surface; NA = not applicable, NM = not measured; PVC = polyvinyl chloride

bhate

WELL CONSTRUCTION DIAGRAM (Temporary Monitoring Well)

SITE:	Smithfield, Birmingham, AL	**WELL/BORING ID:**	TMW-3
PROJECT NAME:	Phase II Environmental Site Assessment	**DRILLING METHOD:**	Direct Push Technology (DPT)
PROJECT NO.:	CSG.2024.0069	**DATE(S):**	11/26/2024
DRILLING CONTRACTOR:	Bhate Environmental	**SURVEYOR:**	Bhate
DRILLER:	Emmett Beers/Joseph Breedlove	**NORTHING (NAD 83):**	
SCIENTIST:	Christian Elom	**EASTING (NAD 83):**	

NOT TO SCALE

Surface Elevation (NGVD 29): NM

Casing Elevation: 589.28
(Relative to estimated benchmark)

Borehole Diameter (in): 2.25
Well Casing Diameter (in): 0.75

Top of Bentonite Seal: Surface

Top of Filter Pack: 18.0 ft bgs

Top of Screen: 22.0 ft bgs

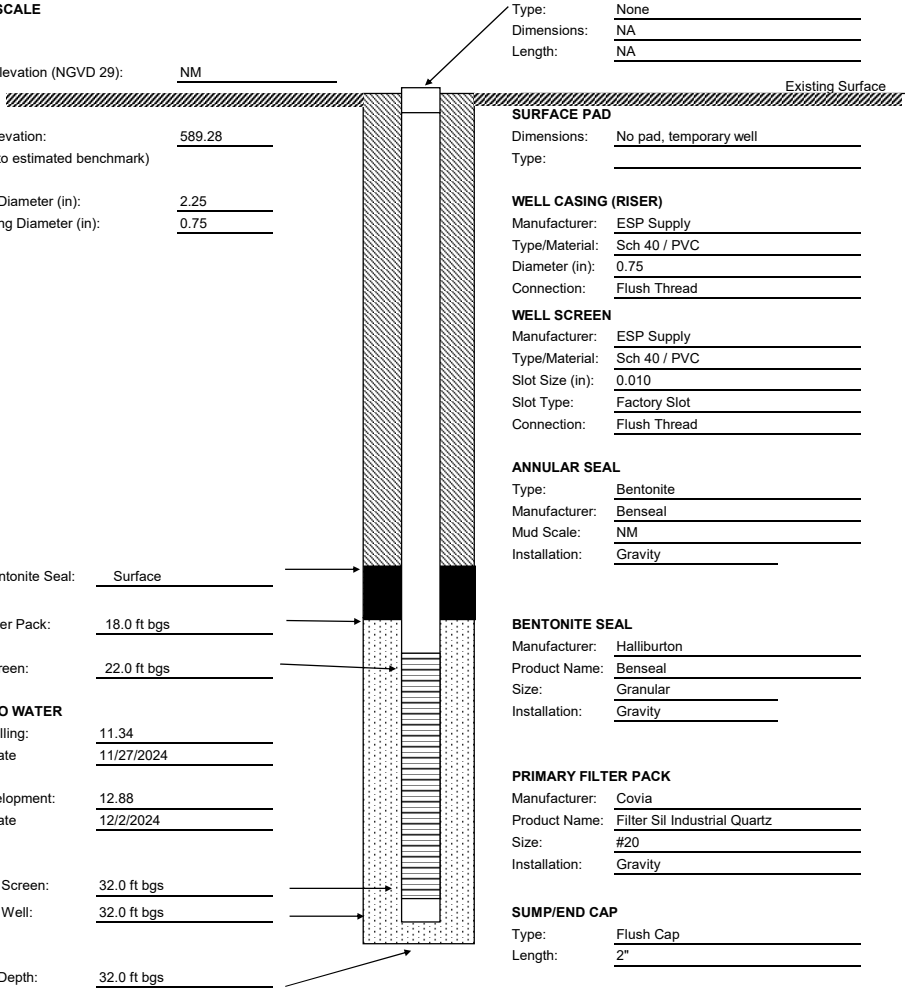
DEPTH TO WATER
During Drilling: 11.34
Date: 11/27/2024

Post Development: 12.88
Date: 12/2/2024

Bottom of Screen: 32.0 ft bgs

Bottom of Well: 32.0 ft bgs

Borehole Depth: 32.0 ft bgs



PROTECTIVE CASING
Type: None
Dimensions: NA
Length: NA

SURFACE PAD
Dimensions: No pad, temporary well
Type:

WELL CASING (RISER)
Manufacturer: ESP Supply
Type/Material: Sch 40 / PVC
Diameter (in): 0.75
Connection: Flush Thread

WELL SCREEN
Manufacturer: ESP Supply
Type/Material: Sch 40 / PVC
Slot Size (in): 0.010
Slot Type: Factory Slot
Connection: Flush Thread

ANNULAR SEAL
Type: Bentonite
Manufacturer: Benseal
Mud Scale: NM
Installation: Gravity

BENTONITE SEAL
Manufacturer: Halliburton
Product Name: Benseal
Size: Granular
Installation: Gravity

PRIMARY FILTER PACK
Manufacturer: Covia
Product Name: Filter Sil Industrial Quartz
Size: #20
Installation: Gravity

SUMP/END CAP
Type: Flush Cap
Length: 2"

BACKFILL MATERIAL
Type: TBD
Volume: To Land Surface

Comments: bgs = below ground surface; NA = not applicable, NM = not measured; PVC = polyvinyl chloride

bhate

WELL CONSTRUCTION DIAGRAM (Temporary Monitoring Well)

SITE:	Smithfield, Birmingham, AL	**WELL/BORING ID:**	TMW-4
PROJECT NAME:	Phase II Environmental Site Assessment	**DRILLING METHOD:**	Direct Push Technology (DPT)
PROJECT NO.:	CSG.2024.0069	**DATE(S):**	11/26/2024
DRILLING CONTRACTOR:	Bhate Environmental	**SURVEYOR:**	Bhate
DRILLER:	Emmett Beers/Joseph Breedlove	**NORTHING (NAD 83):**	
SCIENTIST:	Christian Elom	**EASTING (NAD 83):**	

NOT TO SCALE

Surface Elevation (NGVD 29): NM

Casing Elevation: 589.40
(Relative to estimated benchmark)

Borehole Diameter (in): 2.25
Well Casing Diameter (in): 0.75

Top of Bentonite Seal: Surface

Top of Filter Pack: 18.0 ft bgs

Top of Screen: 22.0 ft bgs

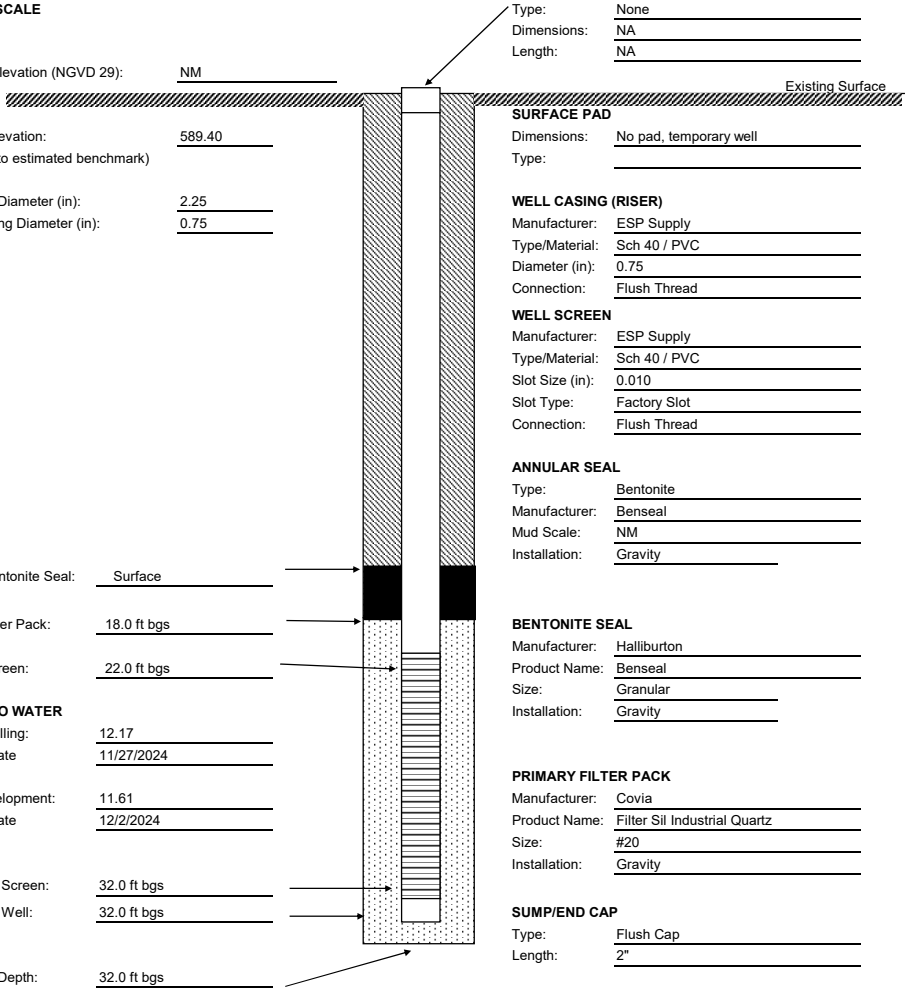
DEPTH TO WATER
During Drilling: 12.17
Date: 11/27/2024

Post Development: 11.61
Date: 12/2/2024

Bottom of Screen: 32.0 ft bgs

Bottom of Well: 32.0 ft bgs

Borehole Depth: 32.0 ft bgs



PROTECTIVE CASING
Type: None
Dimensions: NA
Length: NA

SURFACE PAD
Dimensions: No pad, temporary well
Type:

WELL CASING (RISER)
Manufacturer: ESP Supply
Type/Material: Sch 40 / PVC
Diameter (in): 0.75
Connection: Flush Thread

WELL SCREEN
Manufacturer: ESP Supply
Type/Material: Sch 40 / PVC
Slot Size (in): 0.010
Slot Type: Factory Slot
Connection: Flush Thread

ANNULAR SEAL
Type: Bentonite
Manufacturer: Benseal
Mud Scale: NM
Installation: Gravity

BENTONITE SEAL
Manufacturer: Halliburton
Product Name: Benseal
Size: Granular
Installation: Gravity

PRIMARY FILTER PACK
Manufacturer: Covia
Product Name: Filter Sil Industrial Quartz
Size: #20
Installation: Gravity

SUMP/END CAP
Type: Flush Cap
Length: 2"

BACKFILL MATERIAL
Type: TBD
Volume: To Land Surface

Comments: bgs = below ground surface; NA = not applicable, NM = not measured; PVC = polyvinyl chloride

bhate

WELL CONSTRUCTION DIAGRAM (Temporary Monitoring Well)

SITE:	Smithfield, Birmingham, AL	**WELL/BORING ID:**	TMW-5
PROJECT NAME:	Phase II Environmental Site Assessment	**DRILLING METHOD:**	Direct Push Technology (DPT)
PROJECT NO.:	CSG.2024.0069	**DATE(S):**	11/26/2024
DRILLING CONTRACTOR:	Bhate Environmental	**SURVEYOR:**	Bhate
DRILLER:	Emmett Beers/Joseph Breedlove	**NORTHING (NAD 83):**	
SCIENTIST:	Christian Elom	**EASTING (NAD 83):**	

NOT TO SCALE

Surface Elevation (NGVD 29): NM

Casing Elevation: 589.94
(Relative to estimated benchmark)

Borehole Diameter (in): 2.25
Well Casing Diameter (in): 0.75

Top of Bentonite Seal: Surface

Top of Filter Pack: 18.0 ft bgs

Top of Screen: 22.0 ft bgs

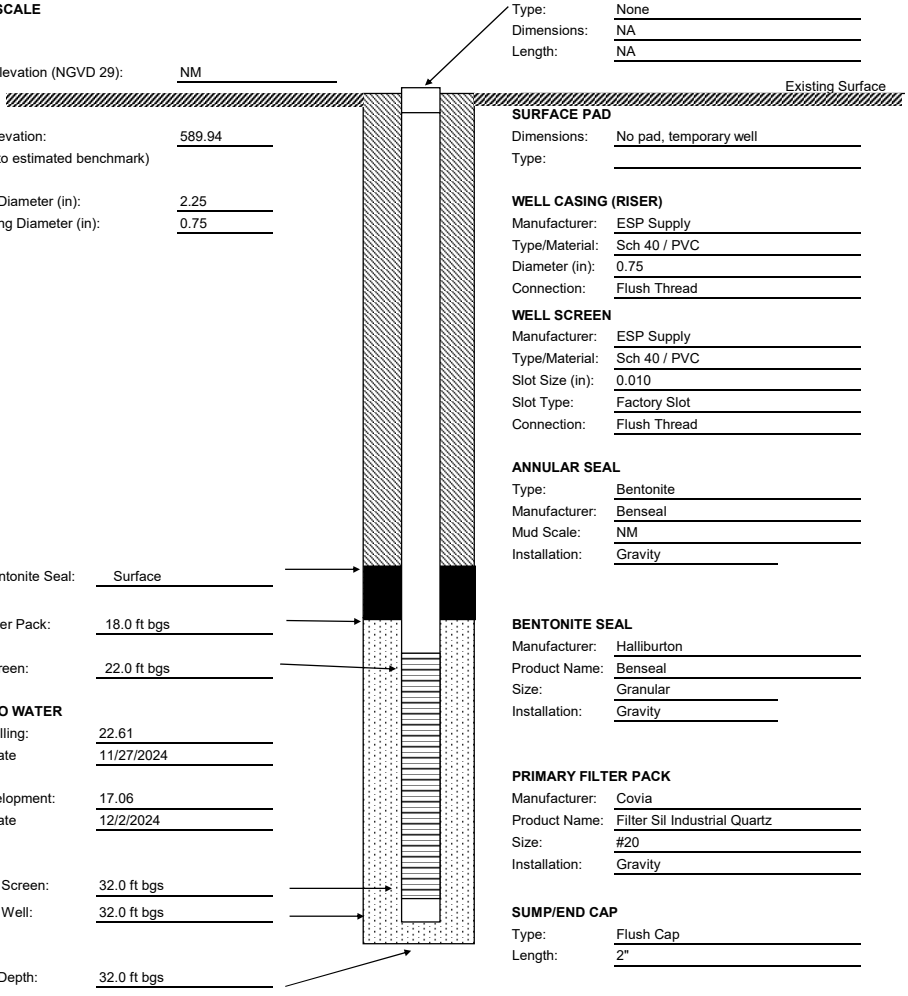
DEPTH TO WATER
During Drilling: 22.61
Date: 11/27/2024

Post Development: 17.06
Date: 12/2/2024

Bottom of Screen: 32.0 ft bgs

Bottom of Well: 32.0 ft bgs

Borehole Depth: 32.0 ft bgs



PROTECTIVE CASING
Type: None
Dimensions: NA
Length: NA

SURFACE PAD
Dimensions: No pad, temporary well
Type:

WELL CASING (RISER)
Manufacturer: ESP Supply
Type/Material: Sch 40 / PVC
Diameter (in): 0.75
Connection: Flush Thread

WELL SCREEN
Manufacturer: ESP Supply
Type/Material: Sch 40 / PVC
Slot Size (in): 0.010
Slot Type: Factory Slot
Connection: Flush Thread

ANNULAR SEAL
Type: Bentonite
Manufacturer: Benseal
Mud Scale: NM
Installation: Gravity

BENTONITE SEAL
Manufacturer: Halliburton
Product Name: Benseal
Size: Granular
Installation: Gravity

PRIMARY FILTER PACK
Manufacturer: Covia
Product Name: Filter Sil Industrial Quartz
Size: #20
Installation: Gravity

SUMP/END CAP
Type: Flush Cap
Length: 2"

BACKFILL MATERIAL
Type: TBD
Volume: To Land Surface

Comments: bgs = below ground surface; NA = not applicable, NM = not measured; PVC = polyvinyl chloride

bhate

WELL CONSTRUCTION DIAGRAM (Temporary Monitoring Well)

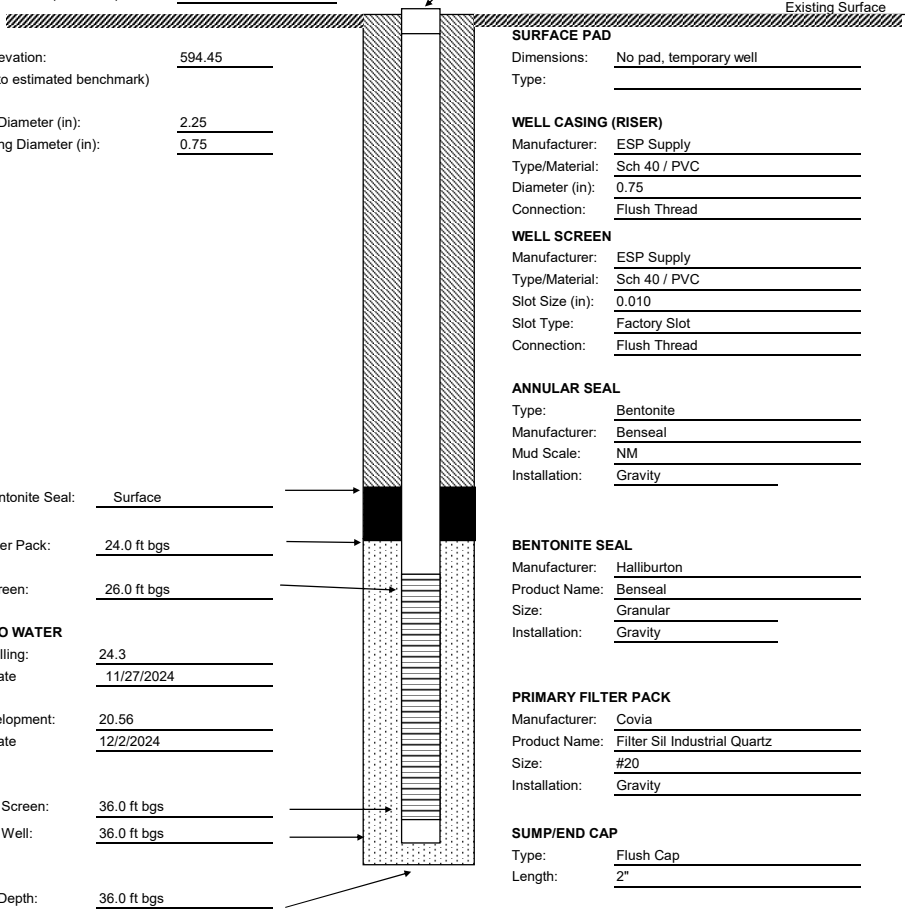
SITE:	Smithfield, Birmingham, AL	**WELL/BORING ID:**	TMW-6
PROJECT NAME:	Phase II Environmental Site Assessment	**DRILLING METHOD:**	Direct Push Technology (DPT)
PROJECT NO.:	CSG.2024.0066	**DATE(S):**	11/26/2024
DRILLING CONTRACTOR:	Bhate Environmental	**SURVEYOR:**	Bhate
DRILLER:	Emmett Beers/Joseph Breedlove	**NORTHING (NAD 83):**	
SCIENTIST:	Christian Elom	**EASTING (NAD 83):**	

NOT TO SCALE

Surface Elevation (NGVD 29): NM

Casing Elevation: 594.45
(Relative to estimated benchmark)

Borehole Diameter (in): 2.25
Well Casing Diameter (in): 0.75



Top of Bentonite Seal: Surface

Top of Filter Pack: 24.0 ft bgs

Top of Screen: 26.0 ft bgs

DEPTH TO WATER

During Drilling: 24.3
Date: 11/27/2024

Post Development: 20.56
Date: 12/2/2024

Bottom of Screen: 36.0 ft bgs

Bottom of Well: 36.0 ft bgs

Borehole Depth: 36.0 ft bgs

PROTECTIVE CASING
Type: None
Dimensions: NA
Length: NA

SURFACE PAD
Dimensions: No pad, temporary well
Type:

WELL CASING (RISER)
Manufacturer: ESP Supply
Type/Material: Sch 40 / PVC
Diameter (in): 0.75
Connection: Flush Thread

WELL SCREEN
Manufacturer: ESP Supply
Type/Material: Sch 40 / PVC
Slot Size (in): 0.010
Slot Type: Factory Slot
Connection: Flush Thread

ANNULAR SEAL
Type: Bentonite
Manufacturer: Benseal
Mud Scale: NM
Installation: Gravity

BENTONITE SEAL
Manufacturer: Halliburton
Product Name: Benseal
Size: Granular
Installation: Gravity

PRIMARY FILTER PACK
Manufacturer: Covia
Product Name: Filter Sil Industrial Quartz
Size: #20
Installation: Gravity

SUMP/END CAP
Type: Flush Cap
Length: 2"

BACKFILL MATERIAL
Type: TBD
Volume: To Land Surface

Comments: bgs = below ground surface; NA = not applicable, NM = not measured; PVC = polyvinyl chloride

APPENDIX B

LABORATORY REPORT AND CHAIN-OF-CUSTODY DOCUMENT FOR SOIL AND GROUNDWATER SAMPLES

Sutherland
Environmental Company, Inc.
2515 5th Avenue South
Birmingham, AL 35233
PHONE: (205)581-9500
E-mail: suthlab@bellsouth.net

CHAIN OF CUSTODY
ANALYSIS REQUEST

Client P.O. #

SEND REPORT TO:
Name: Emmett Beers
Company: Bhate
Address: 1608 13th Ave S
Birmingham, AL 35205
Phone#: (205)918-4007 Cell # (205)470-2186
E-mail(s): EBEERS@BHATE.COM PDF: (yes) no

Invoice # 52775

Page 1 of 1

CLIENT: BHATE
PROJECT NAME/#: Smithfield CSG2024.0069
SAMPLER(S): (print) E. Beers, C. Elom, J. Breedlove

DATE DELIVERED: 11-26-2024 1230

LAB ID	FIELD ID	DATE Collected	TIME Collected	SAMPLE DESCRIPTION (matrix)	ANALYSIS REQUESTED / METHOD: Soil VOC's	Soil PAH's							Number of sample containers
261293	TMW1(8-12')	11/26	0915	Soil	X	X							1
261294	TMW2(4-8')	11/26	1000	Soil	X	X							1
261295	TMW3(11-12')	11/26	1110	Soil	X	X							1
261296	TMW4(0-4')	11/26	1120	Soil	X	X							1
261297	TMW5(7-8')	11/26	1140	Soil	X	X							1
261298	TMW6(7-8')	11/26	1200	Soil	X	X							1

Preservative: (a)HCL, (b)HNO_3, (c)H_2SO_4, (d)NaOH, (e) $Na_2S_2O_3$, (f) H_3PO_4, (g)Zn Acetate **Preservative:** /
Container type: (a) Amber (g) Glass (p) Plastic, (v) VOC Vial, (air) air bag **Container:** G

Last revised 12/11/23

Relinquished by Sampler: C. Elom Signed:	Date 11/26/2024	Time 1230	Received by: Signed:	Date	Time
Relinquished by: Signed:	Date	Time	Received by: Signed:	Date	Time
Relinquished by: Signed:	Date	Time	Received in Lab by: Signed: M. W.	Date 11/26	Time 1230

Turn Around Time
Standard: _____ **RUSH:** X 3-DAY 1-DAY 2-DAY SAME DAY

Remarks: Rush ASAP. Report due 12/6/2024.

Refrigerated upon receipt: (yes) no

Sutherland

Environmental Company, Inc.

2515 5th Avenue South
Birmingham, AL 35233
205-581-9500

Client:	BHATE Environmental	Report Date:	December 4, 2024
Attention:	Mr. Emmett Beers	Reference #	52775
Address:	1608 13th Ave. South	P.O. #	CSG2024.0069
	Birmingham, AL 35205	Project ID:	Smithfield

Sample Matrix:	soil	Analytical	
Date Received:	11/26/24	Analyst:	Hageman/Heard
Date Collected:	11/26/24	Date of Analysis:	11/28/24
Sample Collector:	EB/CE/JB	Method:	***EPA Method 8260B***

VOLATILE ORGANIC COMPOUNDS

VOLATILE ORGANIC COMPOUNDS, PPB	FIELD ID TMW1 (8-12') LAB ID 261293	FIELD ID TMW2 (4-8') LAB ID 261294	FIELD ID TMW3 (11-12') LAB ID 261295	FIELD ID TMW4 (0-4') LAB ID 261296	FIELD ID TMW5 (7-8') LAB ID 261297	Practical Quantitation Limit PPB
Benzene	BDL	BDL	BDL	BDL	BDL	5
Bromobenzene	BDL	BDL	BDL	BDL	BDL	5
Bromochloromethane	BDL	BDL	BDL	BDL	BDL	5
Bromodichloromethane	BDL	BDL	BDL	BDL	BDL	5
Bromoform	BDL	BDL	BDL	BDL	BDL	5
Bromomethane	BDL	BDL	BDL	BDL	BDL	5
n-Butylbenzene	BDL	BDL	BDL	BDL	BDL	5
sec-Butylbenzene	BDL	BDL	BDL	BDL	BDL	5
tert-Butybenzene	BDL	BDL	BDL	BDL	BDL	5
Carbon Tetrachloride	BDL	BDL	BDL	BDL	BDL	5
Chlorobenzene	BDL	BDL	BDL	BDL	BDL	5
Chloroethane	BDL	BDL	BDL	BDL	BDL	5
Chloroform	BDL	BDL	BDL	BDL	BDL	5
Chloromethane	BDL	BDL	BDL	BDL	BDL	5
2-Chlorotoluene	BDL	BDL	BDL	BDL	BDL	5
4-Chlorotoluene	BDL	BDL	BDL	BDL	BDL	5
Dibromochloromethane	BDL	BDL	BDL	BDL	BDL	5
1,2-Dibromo-3-Chloropropane	BDL	BDL	BDL	BDL	BDL	5
1,2-Dibromoethane	BDL	BDL	BDL	BDL	BDL	5
Dibromomethane	BDL	BDL	BDL	BDL	BDL	5
1,2-Dichlorobenzene	BDL	BDL	BDL	BDL	BDL	5
1,3-Dichlorobenzene	BDL	BDL	BDL	BDL	BDL	5
1,4-Dichlorobenzene	BDL	BDL	BDL	BDL	BDL	5
Dichlorodifluoromethane	BDL	BDL	BDL	BDL	BDL	5
1,1-Dichloroethane	BDL	BDL	BDL	BDL	BDL	5
1,2-Dichloroethane	BDL	BDL	BDL	BDL	BDL	5

Compound List Continued next page

Sutherland

Environmental Company, Inc.

2515 5th Avenue South
Birmingham, AL 35233
205-581-9500

Client:	BHATE Environmental	Report Date:	December 4, 2024
Attention:	Mr. Emmett Beers	Reference #	52775
Address:	1608 13th Ave. South	P.O. #	CSG2024.0069
	Birmingham, AL 35205	Project ID:	Smithfield

Sample Matrix:	soil	Analytical	
Date Received:	11/26/24	Analyst:	Hageman/Heard
Date Collected:	11/26/24	Date of Analysis:	11/28/24
Sample Collector:	EB/CE/JB	Method:	***EPA Method 8260B***

VOLATILE ORGANIC COMPOUNDS

VOLATILE ORGANIC COMPOUNDS, PPB	FIELD ID TMW1 (8-12') LAB ID 261293	FIELD ID TMW2 (4-8') LAB ID 261294	FIELD ID TMW3 (11-12') LAB ID 261295	FIELD ID TMW4 (0-4') LAB ID 261296	FIELD ID TMW5 (7-8') LAB ID 261297	Practical Quantitation Limit PPB
1,1-Dichloroethene	BDL	BDL	BDL	BDL	BDL	5
cis-1,2-Dichloroethene	BDL	BDL	BDL	BDL	BDL	5
trans-1,2-Dichloroethene	BDL	BDL	BDL	BDL	BDL	5
1,2-Dichloropropane	BDL	BDL	BDL	BDL	BDL	5
1,3- Dichloropropane	BDL	BDL	BDL	BDL	BDL	5
2,2-Dichloropropane	BDL	BDL	BDL	BDL	BDL	5
1,1-Dichloropropene	BDL	BDL	BDL	BDL	BDL	5
cis-1-3,Dichloropropene	BDL	BDL	BDL	BDL	BDL	5
trans-1,3-Dichloropropene	BDL	BDL	BDL	BDL	BDL	5
Ethylbenzene	BDL	BDL	BDL	BDL	BDL	5
Hexachlorobutadiene	BDL	BDL	BDL	BDL	BDL	5
Isopropylbenzene	BDL	BDL	BDL	BDL	BDL	5
4-Isopropyltoluene	BDL	BDL	BDL	BDL	BDL	5
Methylene Chloride	BDL	BDL	BDL	BDL	BDL	100
Naphthalene	BDL	BDL	BDL	BDL	BDL	25
n-Propylbenzene	BDL	BDL	BDL	BDL	BDL	5
Styrene	BDL	BDL	BDL	BDL	BDL	5
1,1,1,2-Tetrachloroethane	BDL	BDL	BDL	BDL	BDL	5
1,1,2,2-Tetrachloroethane	BDL	BDL	BDL	BDL	BDL	5
Tetrachloroethene	BDL	BDL	BDL	BDL	BDL	5
Toluene	BDL	BDL	BDL	BDL	BDL	5
1,2,3-Trichlorobenzene	BDL	BDL	BDL	BDL	BDL	5
1,2,4-Trichlorobenzene	BDL	BDL	BDL	BDL	BDL	5
1,1,1-Trichloroethane	BDL	BDL	BDL	BDL	BDL	5
1,1,2-Trichloroethane	BDL	BDL	BDL	BDL	BDL	5
Trichloroethene	BDL	BDL	BDL	BDL	BDL	5
Trichlorofluoromethane	BDL	BDL	BDL	BDL	BDL	5

Compound List Continued next page

Sutherland

Environmental Company, Inc.

2515 5th Avenue South
Birmingham, AL 35233
205-581-9500

Client:	BHATE Environmental	Report Date:	December 4, 2024
Attention:	Mr. Emmett Beers	Reference #	52775
Address:	1608 13th Ave. South	P.O. #	CSG2024.0069
	Birmingham, AL 35205	Project ID:	Smithfield

Sample Matrix:	soil	Analytical	
Date Received:	11/26/24	Analyst:	Hageman/Heard
Date Collected:	11/26/24	Date of Analysis:	11/28/24
Sample Collector:	EB/CE/JB	Method:	***EPA Method 8260B***

VOLATILE ORGANIC COMPOUNDS

VOLATILE ORGANIC COMPOUNDS, PPB	FIELD ID TMW1 (8-12') LAB ID 261293	FIELD ID TMW2 (4-8') LAB ID 261294	FIELD ID TMW3 (11-12') LAB ID 261295	FIELD ID TMW4 (0-4') LAB ID 261296	FIELD ID TMW5 (7-8') LAB ID 261297	Practical Quantitation Limit PPB
1,2,3-Trichloropropane	BDL	BDL	BDL	BDL	BDL	5
1,2,4-Trimethylbenzene	BDL	BDL	BDL	BDL	BDL	5
1,3,5-Trimethylbenzene	BDL	BDL	BDL	BDL	BDL	5
Vinyl Chloride	BDL	BDL	BDL	BDL	BDL	5
Xylenes, Total	BDL	BDL	BDL	BDL	BDL	15
MTBE	BDL	BDL	BDL	BDL	BDL	5

Detection Limit is Practical Quantitation Limit
BDL = Below Detection Limit
All results expressed as PPB (ug/Kg)

Sutherland

Environmental Company, Inc.

2515 5th Avenue South
Birmingham, AL 35233
205-581-9500

Client:	BHATE Environmental	Report Date:	December 4, 2024
Attention:	Mr. Emmett Beers	Reference #	52775
Address:	1608 13th Ave. South	P.O. #	CSG2024.0069
	Birmingham, AL 35205	Project ID:	Smithfield

Sample Matrix:	soil	Analytical	
Date Received:	11/26/24	Analyst:	Hageman/Heard
Date Collected:	11/26/24	Date of Analysis:	11/28/24
Sample Collector:	EB/CE/JB	Method:	***EPA Method 8260B***

VOLATILE ORGANIC COMPOUNDS

VOLATILE ORGANIC COMPOUNDS, PPB	FIELD ID TMW6 (7-8') LAB ID 261298					Practical Quantitation Limit PPB
Benzene	BDL					5
Bromobenzene	BDL					5
Bromochloromethane	BDL					5
Bromodichloromethane	BDL					5
Bromoform	BDL					5
Bromomethane	BDL					5
n-Butylbenzene	BDL					5
sec-Butylbenzene	BDL					5
tert-Butybenzene	BDL					5
Carbon Tetrachloride	BDL					5
Chlorobenzene	BDL					5
Chloroethane	BDL					5
Chloroform	BDL					5
Chloromethane	BDL					5
2-Chlorotoluene	BDL					5
4-Chlorotoluene	BDL					5
Dibromochloromethane	BDL					5
1,2-Dibromo-3-Chloropropane	BDL					5
1,2-Dibromoethane	BDL					5
Dibromomethane	BDL					5
1,2-Dichlorobenzene	BDL					5
1,3-Dichlorobenzene	BDL					5
1,4-Dichlorobenzene	BDL					5
Dichlorodifluoromethane	BDL					5
1,1-Dichloroethane	BDL					5
1,2-Dichloroethane	BDL					5

Compound List Continued next page

Sutherland

Environmental Company, Inc.

2515 5th Avenue South
Birmingham, AL 35233
205-581-9500

Client:	BHATE Environmental	Report Date:	December 4, 2024
Attention:	Mr. Emmett Beers	Reference #	52775
Address:	1608 13th Ave. South	P.O. #	CSG2024.0069
	Birmingham, AL 35205	Project ID:	Smithfield

Sample Matrix:	soil	Analytical	
Date Received:	11/26/24	Analyst:	Hageman/Heard
Date Collected:	11/26/24	Date of Analysis:	11/28/24
Sample Collector:	EB/CE/JB	Method:	***EPA Method 8260B***

VOLATILE ORGANIC COMPOUNDS

VOLATILE ORGANIC COMPOUNDS, PPB	FIELD ID TMW6 (7-8') LAB ID 261298					Practical Quantitation Limit PPB
1,1-Dichloroethene	BDL					5
cis-1,2-Dichloroethene	BDL					5
trans-1,2-Dichloroethene	BDL					5
1,2-Dichloropropane	BDL					5
1,3- Dichloropropane	BDL					5
2,2-Dichloropropane	BDL					5
1,1-Dichloropropene	BDL					5
cis-1-3,Dichloropropene	BDL					5
trans-1,3-Dichloropropene	BDL					5
Ethylbenzene	BDL					5
Hexachlorobutadiene	BDL					5
Isopropylbenzene	BDL					5
4-Isopropyltoluene	BDL					5
Methylene Chloride	BDL					100
Naphthalene	BDL					25
n-Propylbenzene	BDL					5
Styrene	BDL					5
1,1,1,2-Tetrachloroethane	BDL					5
1,1,2,2-Tetrachloroethane	BDL					5
Tetrachloroethene	BDL					5
Toluene	BDL					5
1,2,3-Trichlorobenzene	BDL					5
1,2,4-Trichlorobenzene	BDL					5
1,1,1-Trichloroethane	BDL					5
1,1,2-Trichloroethane	BDL					5
Trichloroethene	BDL					5
Trichlorofluoromethane	BDL					5

Compound List Continued next page

Sutherland

Environmental Company, Inc.

2515 5th Avenue South
Birmingham, AL 35233
205-581-9500

Client:	BHATE Environmental	Report Date:	December 4, 2024
Attention:	Mr. Emmett Beers	Reference #	52775
Address:	1608 13th Ave. South	P.O. #	CSG2024.0069
	Birmingham, AL 35205	Project ID:	Smithfield

Sample Matrix:	soil	Analytical	
Date Received:	11/26/24	Analyst:	Hageman/Heard
Date Collected:	11/26/24	Date of Analysis:	11/28/24
Sample Collector:	EB/CE/JB	Method:	***EPA Method 8260B***

VOLATILE ORGANIC COMPOUNDS

	FIELD ID					Practical Quantitation Limit PPB
VOLATILE ORGANIC COMPOUNDS, PPB	TMW6 (7-8')					
	LAB ID					
	261298					
1,2,3-Trichloropropane	BDL					5
1,2,4-Trimethylbenzene	BDL					5
1,3,5-Trimethylbenzene	BDL					5
Vinyl Chloride	BDL					5
Xylenes, Total	BDL					15
MTBE	BDL					5

Detection Limit is Practical Quantitation Limit
BDL = Below Detection Limit
All results expressed as PPB (ug/Kg)

/ QAQC

EPA Laboratory ID AL01084

Respectfully submitted,

Kevin Doriety
Analytical Chemist

Sutherland

Environmental Company, Inc.

2515 5th Avenue South
Birmingham, AL 35233
205-581-9500

Client:	BHATE Environmental	Report Date:	December 4, 2024
Attention:	Mr. Emmett Beers	Reference #	52775
Address:	1608 13th Ave. South	P.O. #	CSG2024.0069
	Birmingham, AL 35205	Project ID:	Smithfield

Sample Matrix:	soil	Extraction Date:	12/2/24
Date Received:	11/26/24	Analyst:	Hageman/Heard
Date Collected:	11/26/24	Date of Analysis:	12/4/24
Sample Collector:	EB/CE/JB	Method:	***EPA Method 8270C***

POLYNUCLEAR AROMATIC HYDROCARBONS

	FIELD ID	FIELD ID	FIELD ID	FIELD ID	FIELD ID	FIELD ID	
	TMW1 (8-12')	TMW2 (4-8')	TMW3 (11-12')	TMW4 (0-4')	TMW5 (7-8')	TMW6 (7-8')	
Polynuclear Aromatics, ppb	LAB ID 261293	LAB ID 261294	LAB ID 261295	LAB ID 261296	LAB ID 261297	LAB ID 261298	Detection Limit, ppb
Acenaphthene	BDL	BDL	BDL	**55**	BDL	BDL	50
Acenaphthylene	BDL	BDL	BDL	**98**	BDL	BDL	50
Anthracene	BDL	BDL	BDL	**129**	BDL	BDL	50
Benzo(a)anthracene	BDL	BDL	BDL	**417**	BDL	BDL	50
Benzo(b)fluoranthene	BDL	BDL	BDL	**1,260**	BDL	BDL	50
Benzo(k)fluoranthene	BDL	BDL	BDL	**465**	BDL	BDL	50
Benzo(ghi)perylene	BDL	BDL	BDL	**625**	BDL	BDL	50
Benzo(a)pyrene	BDL	BDL	BDL	**795**	BDL	BDL	50
Chrysene	BDL	BDL	BDL	**660**	BDL	BDL	50
Dibenzo(ah)anthracene	BDL	BDL	BDL	BDL	BDL	BDL	50
Fluoranthene	BDL	BDL	BDL	**1,140**	BDL	BDL	50
Fluorene	BDL	BDL	BDL	**77**	BDL	BDL	50
Indeno(1,2,3-cd)pyrene	BDL	BDL	BDL	**620**	BDL	BDL	50
Naphthalene	BDL	BDL	BDL	BDL	BDL	BDL	50
Phenanthrene	BDL	BDL	BDL	**675**	BDL	BDL	50
Pyrene	BDL	BDL	BDL	**1,000**	BDL	BDL	50

BDL = Below Detection Limit
Detection Limit is Practical Quantitation Limit
All results expressed as PPB (ug/kg)

/ QAQC

EPA Laboratory ID AL01084

Respectfully submitted,

Kevin Doriety
Analytical Chemist

Sutherland Environmental Read and Review Checklist

1. Is the client and the sample collector(s) accurately noted on report?	NO	YES	NO	YES
2. Do all dates match the COC on the report?	NO	YES	NO	YES
3. Is the purchase order ID (PO) and project ID accurately noted on report?	NO	YES	NO	YES
4. Are all methods and method references correct on report?	NO	YES	NO	YES
5. Do the Field ID(s) and the Lab ID(s) correspond to the COC?	NO	YES	NO	YES
6. Is the report formatted correctly?	NO	YES	NO	YES
7. Does the following information on report correspond to the printout information from the analytical instrumentation:				
Sample Matrix	NO	YES	NO	YES
Analyst	NO	YES	NO	YES
Analysis Date/Time	NO	YES	NO	YES
Analyte concentration	NO	YES	NO	YES
Units	NO	YES	NO	YES
Dilution Factors/Conversions	NO	YES	NO	YES
Detection/Reporting/Quant. Limits	NO	YES	NO	YES
QC Reviewed:		YES		YES
***Initial*:**		LPN		KA

* MJH = Michael Heard, KD = Kevin Doriety, MSH = Matt Hageman, KH = Kelly Hester

PDF / Notes: E. Beers

Due 12/6

Invoice 52775

Sutherland Environmental Co., Inc.

Sutherland Environmental Company Inc.

Sample Check-in Form

Date Received: 11/26/24 **Invoice #** 52775

Method of Delivery: hand **Client:** Bhate Env.

1. Did any containers arrive broken?	YES	✓NO	
* If so, please state field ID with analysis of broken sample(s) _____			
2. Were cooler(s) sealed upon arrival?	✓YES	NO	NA
3. Were the samples received at the proper temperature (4°C +/- 2°C)?	✓YES	NO	NA
4. Did a chain of custody accompany the samples?	✓YES	NO	
* Was it properly filled out?	✓YES	NO	
5. Were correct containers used for the analysis requested?	✓YES	NO	
6. Were all containers properly preserved?	✓YES	NO	NA
7. Were all water samples received at the proper pH?	YES	NO	✓NA
8. If VOA vials were present, was there any head space?	YES	NO	✓NA
* If so, please state field ID of deficient sample(s): _____			
9. Were all containers properly labeled and match chain of custody?	✓YES	NO	
10. Did containers arrive within holding time of analysis?	✓YES	NO	
* If not, please state field ID and analysis of sample(s) out of holding time: _____			
11. Was client informed of any/all deficiencies in sample check-in?	YES	NO	✓NA
12. Were any samples rejected?	YES	✓NO	
* If so, please state field ID of rejected sample(s): _____			

Sample Custodian (signed): M. W.

Sutherland
Environmental Company, Inc.
2515 5th Avenue South
Birmingham, AL 35233
PHONE: (205)581-9500
E-mail: suthlab@bellsouth.net

CHAIN OF CUSTODY ANALYSIS REQUEST

SEND REPORT TO:
Name: Emmett Beers
Company: BHate Env. ENG.
Address: 1681 3rd Ave S Birmingham, AL 35205
Phone#: 205 515 2294 Cell #
E-mail(s): ebeers@bhate.com

Invoice # 52789

Page 1 of 1

Client P.O. #

PDF: yes no

CLIENT: BHATE
PROJECT NAME/#: CSG2024.0069
SAMPLER(S): (print) J. Breedlove

DATE DELIVERED:

LAB ID (MG)	FIELD ID	DATE Collected	TIME Collected	SAMPLE DESCRIPTION (matrix)	ANALYSIS REQUESTED / METHOD: VOC's								Number of sample containers
TMW-1	261428	11/27/24	1015	GW	X								3
TMW-2	261429	11/27/24	1040		X								3
TMW-3	261430	11/27/24	1110		X								3
TMW-4	261431	11/27/24	1135		X								3
TMW-5	261432	11/27/24	1155		X								3
TMW-6	261433	11/27/24	1155		X								3

Preservative: (a)HCL, (b)HNO_3, (c)H_2SO_4, (d)NaOH, (e) $Na_2S_2O_3$, (f) H_3PO_4, (g)Zn Acetate **Preservative:** a
Container type: (a) Amber, (g) Glass, (p) Plastic, (v) VOC Vial, (air) air bag **Container:** v

Last revised 12/11/23

Relinquished by Sampler: T. Breedlove	Date	Time	Received by:	Date	Time
Signed:	11/27/24	1301	Signed:		
Relinquished by:	Date	Time	Received by:	Date	Time
Signed:			Signed:		
Relinquished by:	Date	Time	Received in Lab by:	Date	Time
Signed:			Signed:	11/27/24	1301

Turn Around Time
Standard: _____ **RUSH:** X 3-DAY 1-DAY 2-DAY SAME DAY

Remarks: Mon. if possible

Refrigerated upon receipt: (yes) no

Sutherland

Environmental Company, Inc.

2515 5th Avenue South
Birmingham, AL 35233
205-581-9500

Client:	BHATE Environmental	Report Date:	December 2, 2024
Attention:	Mr. Emmett Beers	Reference #	52789
Address:	1608 13th Ave. South	P.O. #	verbal
	Birmingham, AL 35205	Project ID:	CSG2024.0069

Sample Matrix:	water	Analytical	
Date Received:	11/27/24	Analyst:	Hageman/Heard
Date Collected:	11/27/24	Date Analysis:	11/28/24
Sample Collector:	J. Breedlove	Method:	***EPA Method 8260B***

VOLATILE ORGANIC COMPOUNDS

	FIELD ID	FIELD ID	FIELD ID	FIELD ID	FIELD ID	
VOLATILE	TMW-1	TMW-2	TMW-3	TMW-4	TMW-5	Detection
ORGANIC	LAB ID	LAB ID	LAB ID	LAB ID	LAB ID	Limit
COMPOUNDS, PPM	261428	261429	261430	261431	261432	PPM
Benzene	BDL	BDL	BDL	BDL	BDL	0.005
Bromobenzene	BDL	BDL	BDL	BDL	BDL	0.005
Bromochloromethane	BDL	BDL	BDL	BDL	BDL	0.005
Bromodichloromethane	BDL	BDL	BDL	BDL	BDL	0.005
Bromoform	BDL	BDL	BDL	BDL	BDL	0.005
Bromomethane	BDL	BDL	BDL	BDL	BDL	0.005
n-Butylbenzene	BDL	BDL	BDL	BDL	BDL	0.005
sec-Butylbenzene	BDL	BDL	BDL	BDL	BDL	0.005
tert-Butybenzene	BDL	BDL	BDL	BDL	BDL	0.005
Carbon Tetrachloride	BDL	BDL	BDL	BDL	BDL	0.005
Chlorobenzene	BDL	BDL	BDL	BDL	BDL	0.005
Chloroethane	BDL	BDL	BDL	BDL	BDL	0.005
Chloroform	BDL	BDL	BDL	BDL	BDL	0.005
Chloromethane	BDL	BDL	BDL	BDL	BDL	0.005
2-Chlorotoluene	BDL	BDL	BDL	BDL	BDL	0.005
4-Chlorotoluene	BDL	BDL	BDL	BDL	BDL	0.005
Dibromochloromethane	BDL	BDL	BDL	BDL	BDL	0.005
1,2-Dibromo-3-Chloropropane	BDL	BDL	BDL	BDL	BDL	0.005
1,2-Dibromoethane	BDL	BDL	BDL	BDL	BDL	0.005
Dibromomethane	BDL	BDL	BDL	BDL	BDL	0.005
1,2-Dichlorobenzene	BDL	BDL	BDL	BDL	BDL	0.005
1,3-Dichlorobenzene	BDL	BDL	BDL	BDL	BDL	0.005
1,4-Dichlorobenzene	BDL	BDL	BDL	BDL	BDL	0.005
Dichlorodifluoromethane	BDL	BDL	BDL	BDL	BDL	0.005
1,1-Dichloroethane	BDL	BDL	BDL	BDL	BDL	0.005
1,2-Dichloroethane	BDL	BDL	BDL	BDL	BDL	0.005

Compound List Continued next page

BDL = Below Detection Limit, Method
All results expressed as PPM (mg/L)

Sutherland

Environmental Company, Inc.

2515 5th Avenue South
Birmingham, AL 35233
205-581-9500

Client:	BHATE Environmental	Report Date:	December 2, 2024
Attention:	Mr. Emmett Beers	Reference #	52789
Address:	1608 13th Ave. South	P.O. #	verbal
	Birmingham, AL 35205	Project ID:	CSG2024.0069

Sample Matrix:	water	Analytical	
Date Received:	11/27/24	Analyst:	Hageman/Heard
Date Collected:	11/27/24	Date Analysis:	11/28/24
Sample Collector:	J. Breedlove	Method:	***EPA Method 8260B***

VOLATILE ORGANIC COMPOUNDS

VOLATILE ORGANIC COMPOUNDS, PPM	FIELD ID TMW-1 LAB ID 261428	FIELD ID TMW-2 LAB ID 261429	FIELD ID TMW-3 LAB ID 261430	FIELD ID TMW-4 LAB ID 261431	FIELD ID TMW-5 LAB ID 261432	Detection Limit PPM
1,1-Dichloroethene	BDL	BDL	BDL	BDL	BDL	0.005
cis-1,2-Dichloroethene	BDL	BDL	BDL	BDL	BDL	0.005
trans-1,2-Dichloroethene	BDL	BDL	BDL	BDL	BDL	0.005
1,2-Dichloropropane	BDL	BDL	BDL	BDL	BDL	0.005
1,3- Dichloropropane	BDL	BDL	BDL	BDL	BDL	0.005
2,2-Dichloropropane	BDL	BDL	BDL	BDL	BDL	0.005
1,1-Dichloropropene	BDL	BDL	BDL	BDL	BDL	0.005
cis-1-3,Dichloropropene	BDL	BDL	BDL	BDL	BDL	0.005
trans-1,3-Dichloropropene	BDL	BDL	BDL	BDL	BDL	0.005
Ethylbenzene	BDL	BDL	BDL	BDL	BDL	0.005
Hexachlorobutadiene	BDL	BDL	BDL	BDL	BDL	0.005
Isopropylbenzene	BDL	BDL	BDL	BDL	BDL	0.005
4-Isopropyltoluene	BDL	BDL	BDL	BDL	BDL	0.005
Methylene Chloride	BDL	BDL	BDL	BDL	BDL	0.005
Naphthalene	BDL	BDL	BDL	BDL	BDL	0.010
n-Propylbenzene	BDL	BDL	BDL	BDL	BDL	0.005
Styrene	BDL	BDL	BDL	BDL	BDL	0.005
1,1,1,2-Tetrachloroethane	BDL	BDL	BDL	BDL	BDL	0.005
1,1,2,2-Tetrachloroethane	BDL	BDL	BDL	BDL	BDL	0.005
Tetrachloroethene	BDL	BDL	BDL	BDL	BDL	0.005
Toluene	BDL	BDL	BDL	BDL	BDL	0.005
1,2,3-Trichlorobenzene	BDL	BDL	BDL	BDL	BDL	0.005
1,2,4-Trichlorobenzene	BDL	BDL	BDL	BDL	BDL	0.005
1,1,1-Trichloroethane	BDL	BDL	BDL	BDL	BDL	0.005
1,1,2-Trichloroethane	BDL	BDL	BDL	BDL	BDL	0.005

Compound List Continued next page

BDL = Below Detection Limit, Method
All results expressed as PPM (mg/L)

Sutherland

Environmental Company, Inc.

2515 5th Avenue South
Birmingham, AL 35233
205-581-9500

Client:	BHATE Environmental	Report Date:	December 2, 2024
Attention:	Mr. Emmett Beers	Reference #	52789
Address:	1608 13th Ave. South	P.O. #	verbal
	Birmingham, AL 35205	Project ID:	CSG2024.0069

Sample Matrix:	water	Analytical	
Date Received:	11/27/24	Analyst:	Hageman/Heard
Date Collected:	11/27/24	Date Analysis:	11/28/24
Sample Collector:	J. Breedlove	Method:	***EPA Method 8260B***

VOLATILE ORGANIC COMPOUNDS

VOLATILE ORGANIC COMPOUNDS, PPM	FIELD ID TMW-1 LAB ID 261428	FIELD ID TMW-2 LAB ID 261429	FIELD ID TMW-3 LAB ID 261430	FIELD ID TMW-4 LAB ID 261431	FIELD ID TMW-5 LAB ID 261432	Detection Limit PPM
Trichloroethylene	BDL	BDL	BDL	BDL	BDL	0.005
Trichlorofluoromethane	BDL	BDL	BDL	BDL	BDL	0.005
1,2,3-Trichloropropane	BDL	BDL	BDL	BDL	BDL	0.005
1,2,4-Trimethylbenzene	BDL	BDL	BDL	BDL	BDL	0.005
1,3,5-Trimethylbenzene	BDL	BDL	BDL	BDL	BDL	0.005
Vinyl Chloride	BDL	BDL	BDL	BDL	BDL	0.002
Xylenes, o,m,p	BDL	BDL	BDL	BDL	BDL	0.005
MTBE	BDL	BDL	BDL	BDL	BDL	0.005

BDL = Below Detection Limit, Method
All results expressed as PPM (mg/L)

Sutherland

Environmental Company, Inc.

2515 5th Avenue South
Birmingham, AL 35233
205-581-9500

Client:	BHATE Environmental	Report Date:	December 2, 2024
Attention:	Mr. Emmett Beers	Reference #	52789
Address:	1608 13th Ave. South	P.O. #	verbal
	Birmingham, AL 35205	Project ID:	CSG2024.0069

Sample Matrix:	water	Analytical	
Date Received:	11/27/24	Analyst:	Hageman/Heard
Date Collected:	11/27/24	Date Analysis:	11/28/24
Sample Collector:	J. Breedlove	Method:	***EPA Method 8260B***

VOLATILE ORGANIC COMPOUNDS

	FIELD ID					
VOLATILE	**TMW-6**					Detection
ORGANIC	**LAB ID**					Limit
COMPOUNDS, PPM	**261433**					PPM
Benzene	BDL					0.005
Bromobenzene	BDL					0.005
Bromochloromethane	BDL					0.005
Bromodichloromethane	BDL					0.005
Bromoform	BDL					0.005
Bromomethane	BDL					0.005
n-Butylbenzene	BDL					0.005
sec-Butylbenzene	BDL					0.005
tert-Butybenzene	BDL					0.005
Carbon Tetrachloride	BDL					0.005
Chlorobenzene	BDL					0.005
Chloroethane	BDL					0.005
Chloroform	BDL					0.005
Chloromethane	BDL					0.005
2-Chlorotoluene	BDL					0.005
4-Chlorotoluene	BDL					0.005
Dibromochloromethane	BDL					0.005
1,2-Dibromo-3-Chloropropane	BDL					0.005
1,2-Dibromoethane	BDL					0.005
Dibromomethane	BDL					0.005
1,2-Dichlorobenzene	BDL					0.005
1,3-Dichlorobenzene	BDL					0.005
1,4-Dichlorobenzene	BDL					0.005
Dichlorodifluoromethane	BDL					0.005
1,1-Dichloroethane	BDL					0.005
1,2-Dichloroethane	BDL					0.005

Compound List Continued next page

BDL = Below Detection Limit, Method
All results expressed as PPM (mg/L)

Sutherland

Environmental Company, Inc.

2515 5th Avenue South
Birmingham, AL 35233
205-581-9500

Client:	BHATE Environmental	Report Date:	December 2, 2024
Attention:	Mr. Emmett Beers	Reference #	52789
Address:	1608 13th Ave. South	P.O. #	verbal
	Birmingham, AL 35205	Project ID:	CSG2024.0069

Sample Matrix:	water	Analytical	
Date Received:	11/27/24	Analyst:	Hageman/Heard
Date Collected:	11/27/24	Date Analysis:	11/28/24
Sample Collector:	J. Breedlove	Method:	***EPA Method 8260B***

VOLATILE ORGANIC COMPOUNDS

	FIELD ID					
VOLATILE ORGANIC COMPOUNDS, PPM	**TMW-6**					Detection Limit PPM
	LAB ID					
	261433					
1,1-Dichloroethene	BDL					0.005
cis-1,2-Dichloroethene	BDL					0.005
trans-1,2-Dichloroethene	BDL					0.005
1,2-Dichloropropane	BDL					0.005
1,3- Dichloropropane	BDL					0.005
2,2-Dichloropropane	BDL					0.005
1,1-Dichloropropene	BDL					0.005
cis-1-3,Dichloropropene	BDL					0.005
trans-1,3-Dichloropropene	BDL					0.005
Ethylbenzene	BDL					0.005
Hexachlorobutadiene	BDL					0.005
Isopropylbenzene	BDL					0.005
4-Isopropyltoluene	BDL					0.005
Methylene Chloride	BDL					0.005
Naphthalene	BDL					0.010
n-Propylbenzene	BDL					0.005
Styrene	BDL					0.005
1,1,1,2-Tetrachloroethane	BDL					0.005
1,1,2,2-Tetrachloroethane	BDL					0.005
Tetrachloroethene	BDL					0.005
Toluene	BDL					0.005
1,2,3-Trichlorobenzene	BDL					0.005
1,2,4-Trichlorobenzene	BDL					0.005
1,1,1-Trichloroethane	BDL					0.005
1,1,2-Trichloroethane	BDL					0.005

Compound List Continued next page

BDL = Below Detection Limit, Method
All results expressed as PPM (mg/L)

Sutherland

Environmental Company, Inc.

2515 5th Avenue South
Birmingham, AL 35233
205-581-9500

Client:	BHATE Environmental	Report Date:	December 2, 2024
Attention:	Mr. Emmett Beers	Reference #	52789
Address:	1608 13th Ave. South	P.O. #	verbal
	Birmingham, AL 35205	Project ID:	CSG2024.0069

Sample Matrix:	water	Analytical	
Date Received:	11/27/24	Analyst:	Hageman/Heard
Date Collected:	11/27/24	Date Analysis:	11/28/24
Sample Collector:	J. Breedlove	Method:	***EPA Method 8260B***

VOLATILE ORGANIC COMPOUNDS

	FIELD ID					
VOLATILE	**TMW-6**					Detection
ORGANIC	**LAB ID**					Limit
COMPOUNDS, PPM	**261433**					PPM
Trichloroethylene	BDL					0.005
Trichlorofluoromethane	BDL					0.005
1,2,3-Trichloropropane	BDL					0.005
1,2,4-Trimethylbenzene	BDL					0.005
1,3,5-Trimethylbenzene	BDL					0.005
Vinyl Chloride	BDL					0.002
Xylenes, o,m,p	BDL					0.005
MTBE	BDL					0.005

BDL = Below Detection Limit, Method
All results expressed as PPM (mg/L)

/QAQC

EPA Laboratory ID AL01084

Respectfully submitted,

Kevin Doriety
Analytical Chemist

Sutherland Environmental Read and Review Checklist

1. Is the client and the sample collector(s) accurately noted on report?	NO	YES	NO	YES
2. Do all dates match the COC on the report?	NO	YES	NO	YES
3. Is the purchase order ID (PO) and project ID accurately noted on report?	NO	YES	NO	YES
4. Are all methods and method references correct on report?	NO	YES	NO	YES
5. Do the Field ID(s) and the Lab ID(s) correspond to the COC?	NO	YES	NO	YES
6. Is the report formatted correctly?	NO	YES	NO	YES
7. Does the following information on report correspond to the printout information from the analytical instrumentation:				
Sample Matrix	NO	YES	NO	YES
Analyst	NO	YES	NO	YES
Analysis Date/Time	NO	YES	NO	YES
Analyte concentration	NO	YES	NO	YES
Units	NO	YES	NO	YES
Dilution Factors/Conversions	NO	YES	NO	YES
Detection/Reporting/Quant. Limits	NO	YES	NO	YES
QC Reviewed:		YES		YES
***Initial*:**		MJH		LPN

* MJH = Michael Heard, KD = Kevin Doriety, MSH = Matt Hageman, KH = Kelly Hester

PDF / Notes: E. Beers

DUE 12/2 or 12/3

Invoice 52789

Sutherland Environmental Co., Inc.

Sutherland Environmental Company Inc.

Sample Check-in Form

Date Received: 11/27/24 **Invoice #** 52789

Method of Delivery: Hand **Client:** Bhate Env.

1. Did any containers arrive broken?	YES	~~NO~~	
* If so, please state field ID with analysis of broken sample(s)			
2. Were cooler(s) sealed upon arrival?	~~YES~~	NO	NA
3. Were the samples received at the proper temperature (4°C +/- 2°C)?	~~YES~~	NO	NA
4. Did a chain of custody accompany the samples?	~~YES~~	NO	
* Was it properly filled out?	~~YES~~	NO	
5. Were correct containers used for the analysis requested?	~~YES~~	NO	
6. Were all containers properly preserved?	~~YES~~	NO	NA
7. Were all water samples received at the proper pH?	~~YES~~	NO	NA
8. If VOA vials were present, was there any head space?	YES	~~NO~~	NA
* If so, please state field ID of deficient sample(s):			
9. Were all containers properly labeled and match chain of custody?	~~YES~~	NO	
10. Did containers arrive within holding time of analysis?	~~YES~~	NO	
* If not, please state field ID and analysis of sample(s) out of holding time:			
11. Was client informed of any/all deficiencies in sample check-in?	YES	NO	~~NA~~
12. Were any samples rejected?	YES	~~NO~~	
* If so, please state field ID of rejected sample(s):			

Sample Custodian (signed): MH

Sutherland
Environmental Company, Inc.
2515 5th Avenue South
Birmingham, AL 35233
PHONE: (205)581-9500
E-mail: suthlab@bellsouth.net

CHAIN OF CUSTODY
ANALYSIS REQUEST

Client P.O. #

SEND REPORT TO: **Invoice #** 52790
Name: Emmett Beers
Company: 1605 13th Ave S
Address: Birmingham, AL 35205
BMATE
Phone#: (205) 918-4007 Cell # (205) 470-2186
E-mail(s): EBEERS@BMATE.COM PDF: (yes) no

Page 1 of 1

CLIENT: BMATE
PROJECT NAME/#: SMITHFIELD CSG2024.0069
SAMPLER(S): (print) C. Elom

DATE DELIVERED: 11-27-2024

LAB ID	FIELD ID	DATE Collected	TIME Collected	SAMPLE DESCRIPTION (matrix)	PAHs								Number of sample containers
261434	TMW-1	11-27 2024	1325	GW	X								1
261435	TMW-2	11-27 2024	1300	GW	X								1
261436	TMW-3	11-27 2024	1250	GW	X								1
261437	TMW-4	11-27 2024	1235	GW	X								1
261438	TMW-5	11-27 2024	1225	GW	X								1
261439	TMW-6	11-27 2024	1210	GW	X								1

Preservative: (a)HCL, (b)HNO_3, (c)H_2SO_4, (d)NaOH, (e) $Na_2S_2O_3$, (f) H_3PO_4, (g)Zn Acetate **Preservative:** 1
Container type: (a) Amber, (g) Glass, (p) Plastic, (v) VOC Vial, (air) air bag **Container:** A

Last revised 12/11/23

Relinquished by Sampler:	Date	Time	Received by:	Date	Time
Signed: C. Elom	11-27 2024	1400	Signed:		
Relinquished by:	Date	Time	Received by:	Date	Time
Signed:			Signed:		
Relinquished by:	Date	Time	Received in Lab by:	Date	Time
Signed:			Signed:	11/27/24	1400

Turn Around Time
Standard: _____ **RUSH:** X 3-DAY 1-DAY 2-DAY SAME DAY

Remarks: Please rush along w/ soil VOCs + water VOC's. Report due 12-6-24.

Refrigerated upon receipt: (yes) no

Sutherland

Environmental Company, Inc.

2515 5th Avenue South
Birmingham, AL 35233
205-581-9500

Client:	BHATE Environmental	Report Date:	December 5, 2024
Attention:	Mr. Emmett Beers	Reference #	52790
Address:	1608 13th Ave. S., Ste. 300	P.O. #	CSG2024.0069
	Birmingham, AL 35205	Project ID:	Smithfield

Sample Matrix:	water	Extraction Date:	12/2/24
Date Received:	11/27/24	Analyst:	Hageman/Heard
Date Collected:	11/27/24	Date of Analysis:	12/4/24
Sample Collector:	C. Elom	Method:	***EPA Method 8270C***

POLYNUCLEAR AROMATIC HYDROCARBONS

	FIELD ID	FIELD ID	FIELD ID	FIELD ID	FIELD ID	FIELD ID	
	TMW-1	TMW-2	TMW-3	TMW-4	TMW-5	TMW-6	
Polynuclear	LAB ID	LAB ID	LAB ID	LAB ID	LAB ID	LAB ID	Detection
Aromatics, ppb	261434	261435	261436	261437	261438	261439	Limit, ppb
Acenaphthene	BDL	BDL	BDL	BDL	BDL	BDL	1
Acenaphthylene	BDL	BDL	BDL	BDL	BDL	BDL	1
Anthracene	BDL	BDL	BDL	BDL	BDL	BDL	1
Benzo(a)anthracene	BDL	BDL	BDL	BDL	BDL	BDL	1
Benzo(b)fluoranthene	BDL	BDL	BDL	BDL	BDL	BDL	0.1
Benzo(k)fluoranthene	BDL	BDL	BDL	BDL	BDL	BDL	0.1
Benzo(ghi)perylene	BDL	BDL	BDL	BDL	BDL	BDL	0.5
Benzo(a)pyrene	BDL	BDL	BDL	BDL	BDL	BDL	0.1
Chrysene	BDL	BDL	BDL	BDL	BDL	BDL	0.5
Dibenzo(ah)anthracene	BDL	BDL	BDL	BDL	BDL	BDL	1
Fluoranthene	BDL	BDL	BDL	BDL	BDL	BDL	1
Fluorene	BDL	BDL	BDL	BDL	BDL	BDL	1
Indeno(1,2,3-cd)pyrene	BDL	BDL	BDL	BDL	BDL	BDL	1
Naphthalene	BDL	BDL	BDL	BDL	BDL	BDL	1
Phenanthrene	BDL	BDL	BDL	BDL	BDL	BDL	1
Pyrene	BDL	BDL	BDL	BDL	BDL	BDL	1

BDL = Below Detection Limit
Detection limit is Method Detection Limit
All results expressed as PPB (ug/L)

/ QAQC

EPA Laboratory ID AL01084

Respectfully submitted,

Kevin Doriety
Analytical Chemist

Sutherland Environmental Read and Review Checklist

1. s the client and the sample collector(s) accurately noted on report?	NO	YES	NO	YES
2. Do all dates match the COC on the report?	NO	YES	NO	YES
3. s the purchase order ID (PO) and project ID accurately noted on report?	NO	YES	NO	YES
4. Are all methods and method references correct on report?	NO	YES	NO	YES
5. Do the Field ID(s) and the Lab ID(s) correspond to the COC?	NO	YES	NO	YES
6. s the report formatted correctly?	NO	YES	NO	YES
7. Does the following information on report correspond to the printout information from the analytical instrumentation:				
Sample Matrix	NO	YES	NO	YES
Analyst	NO	YES	NO	YES
Analysis Date/Time	NO	YES	NO	YES
Analyte concentration	NO	YES	NO	YES
Units	NO	YES	NO	YES
Dilution Factors/Conversions	NO	YES	NO	YES
Detection/Reporting/Quant. Limits	NO	YES	NO	YES
QC Reviewed:		YES		YES
***Initial*:**	MJH		KH	

* MJH = Michael Heard, KD = Kevin Doriety, MSH = Matt Hageman, KH = Kelly Hester

PDF / Notes: E. Beers

DUE 12/6

Invoice 52790

Sutherland Environmental Co., Inc.

Sutherland Environmental Company Inc.

Sample Check-in Form

Date Received: 11/27/24 **Invoice #** 52790

Method of Delivery: Hand **Client:** Blate Env.

1. Did any containers arrive broken?	YES	~~NO~~	
* If so, please state field ID with analysis of broken sample(s)			
2. Were cooler(s) sealed upon arrival?	~~YES~~	NO	NA
3. Were the samples received at the proper temperature (4°C +/- 2°C)?	~~YES~~	NO	NA
4. Did a chain of custody accompany the samples?	~~YES~~	NO	
* Was it properly filled out?	~~YES~~	NO	
5. Were correct containers used for the analysis requested?	~~YES~~	NO	
6. Were all containers properly preserved?	~~YES~~	NO	NA
7. Were all water samples received at the proper pH?	~~YES~~	NO	NA
8. If VOA vials were present, was there any head space?	YES	NO	~~NA~~
* If so, please state field ID of deficient sample(s):			
9. Were all containers properly labeled and match chain of custody?	~~YES~~	NO	
10. Did containers arrive within holding time of analysis?	~~YES~~	NO	
* If not, please state field ID and analysis of sample(s) out of holding time:			
11. Was client informed of any/all deficiencies in sample check-in?	YES	NO	~~NA~~
12. Were any samples rejected?	YES	~~NO~~	
* If so, please state field ID of rejected sample(s):			

Sample Custodian (signed): [signature]

ANALYTICAL REPORT

August 26, 2025

BHATE Environmental - Birmingham

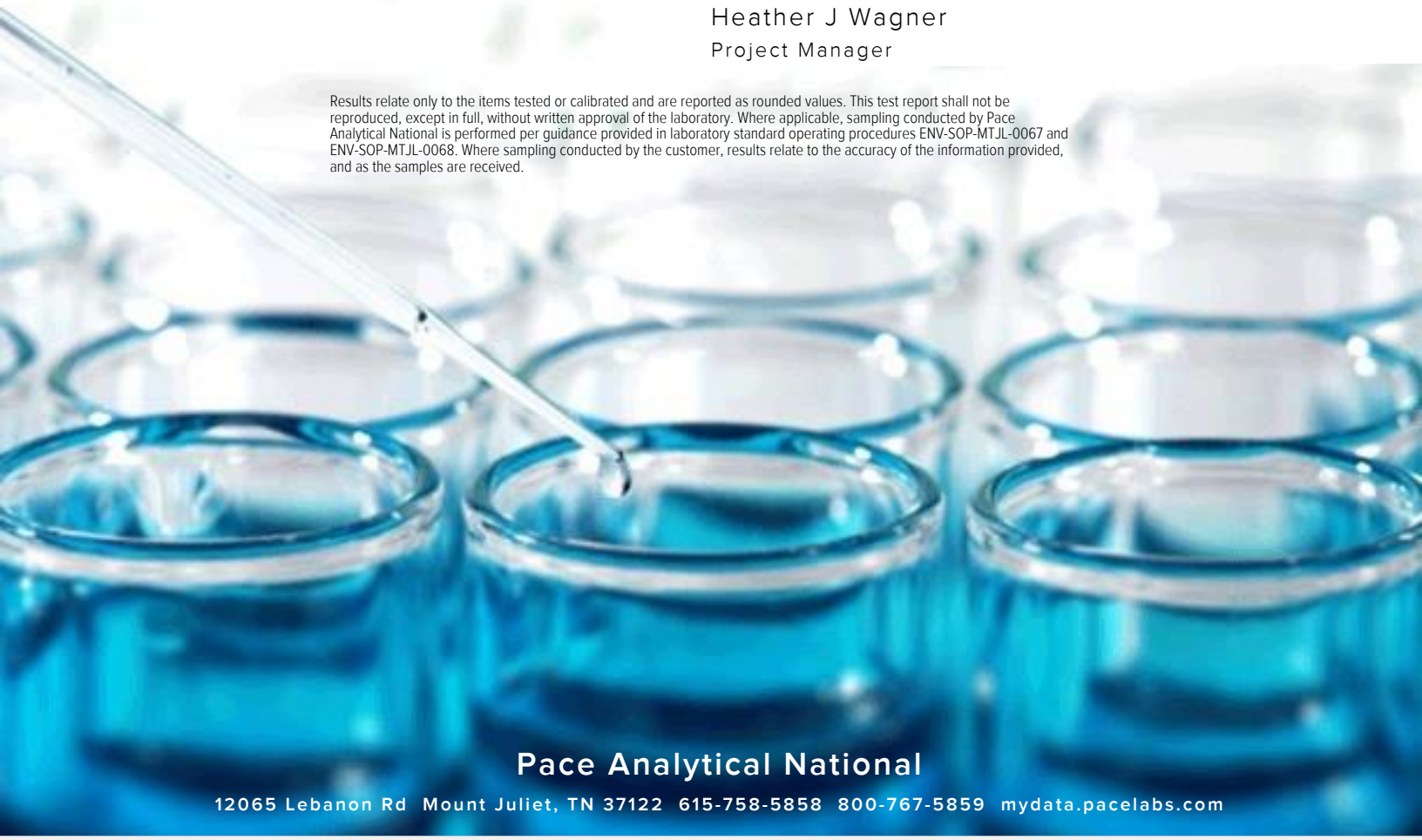
Sample Delivery Group:	L1888135
Samples Received:	08/13/2025
Project Number:	CSG2024.0069
Description:	Smithfield II

Report To:

Emmett Beers
1608 13th Ave. S
Suite 300
Birmingham, AL 35205

Entire Report Reviewed By:

Heather J Wagner
Project Manager



Pace Analytical National
12065 Lebanon Rd Mount Juliet, TN 37122 615-758-5858 800-767-5859 mydata.pacelabs.com

TABLE OF CONTENTS

4A L1888135-01

Collected by: Craig McGriff | Collected date/time: 08/12/25 14:30 | Received date/time: 08/13/25 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Semi Volatile Organic Compounds (GC/MS) by Method 8270E-SIM	WG2583060	1	08/20/25 09:34	08/21/25 15:52	HLA	Mt. Juliet, TN

4B L1888135-02

Collected by: Craig McGriff | Collected date/time: 08/12/25 14:45 | Received date/time: 08/13/25 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Semi Volatile Organic Compounds (GC/MS) by Method 8270E-SIM	WG2583060	1	08/20/25 09:34	08/21/25 16:10	HLA	Mt. Juliet, TN

4C L1888135-03

Collected by: Craig McGriff | Collected date/time: 08/12/25 15:00 | Received date/time: 08/13/25 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Semi Volatile Organic Compounds (GC/MS) by Method 8270E-SIM	WG2583060	1	08/20/25 09:34	08/21/25 16:28	HLA	Mt. Juliet, TN

4D L1888135-04

Collected by: Craig McGriff | Collected date/time: 08/12/25 15:15 | Received date/time: 08/13/25 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Semi Volatile Organic Compounds (GC/MS) by Method 8270E-SIM	WG2583060	1	08/20/25 09:34	08/21/25 16:45	HLA	Mt. Juliet, TN

4E L1888135-05

Collected by: Craig McGriff | Collected date/time: 08/12/25 15:30 | Received date/time: 08/13/25 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Semi Volatile Organic Compounds (GC/MS) by Method 8270E-SIM	WG2583060	1	08/20/25 09:34	08/21/25 17:03	HLA	Mt. Juliet, TN

4F L1888135-06

Collected by: Craig McGriff | Collected date/time: 08/12/25 15:45 | Received date/time: 08/13/25 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Semi Volatile Organic Compounds (GC/MS) by Method 8270E-SIM	WG2585446	1	08/20/25 06:12	08/21/25 13:23	CMF	Mt. Juliet, TN

4G L1888135-07

Collected by: Craig McGriff | Collected date/time: 08/12/25 16:00 | Received date/time: 08/13/25 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Semi Volatile Organic Compounds (GC/MS) by Method 8270E-SIM	WG2585446	1	08/20/25 06:12	08/21/25 13:41	CMF	Mt. Juliet, TN

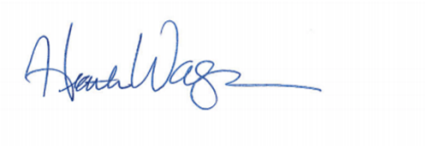
4H L1888135-08

Collected by: Craig McGriff | Collected date/time: 08/12/25 16:15 | Received date/time: 08/13/25 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Semi Volatile Organic Compounds (GC/MS) by Method 8270E-SIM	WG2585446	1	08/20/25 06:12	08/21/25 13:58	CMF	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.



Heather J Wagner
Project Manager

Semi Volatile Organic Compounds (GC/MS) by Method 8270E-SIM

Analyte	Result mg/kg	Qualifier	MDL mg/kg	RDL mg/kg	Dilution	Analysis date / time	Batch
Anthracene	0.0102		0.00163	0.00600	1	08/21/2025 15:52	WG2583060
Acenaphthene	0.00349	J	0.00162	0.00600	1	08/21/2025 15:52	WG2583060
Acenaphthylene	0.00497	J	0.00159	0.00600	1	08/21/2025 15:52	WG2583060
Benzo(a)anthracene	0.0508		0.00200	0.00600	1	08/21/2025 15:52	WG2583060
Benzo(a)pyrene	0.0524		0.00163	0.00600	1	08/21/2025 15:52	WG2583060
Benzo(b)fluoranthene	0.0749		0.00275	0.00600	1	08/21/2025 15:52	WG2583060
Benzo(g,h,i)perylene	0.0387		0.00193	0.00600	1	08/21/2025 15:52	WG2583060
Benzo(k)fluoranthene	0.0283		0.00213	0.00600	1	08/21/2025 15:52	WG2583060
Chrysene	0.0437		0.00206	0.00600	1	08/21/2025 15:52	WG2583060
Dibenz(a,h)anthracene	0.00861		0.00201	0.00600	1	08/21/2025 15:52	WG2583060
Fluoranthene	0.0993		0.00239	0.00600	1	08/21/2025 15:52	WG2583060
Fluorene	0.00303	J	0.00180	0.00600	1	08/21/2025 15:52	WG2583060
Indeno(1,2,3-cd)pyrene	0.0369		0.00234	0.00600	1	08/21/2025 15:52	WG2583060
Naphthalene	U		0.00579	0.0200	1	08/21/2025 15:52	WG2583060
Phenanthrene	0.0393		0.00305	0.00600	1	08/21/2025 15:52	WG2583060
Pyrene	0.0760		0.00205	0.00600	1	08/21/2025 15:52	WG2583060
1-Methylnaphthalene	0.00444	J	0.00219	0.0200	1	08/21/2025 15:52	WG2583060
2-Methylnaphthalene	U		0.00571	0.0200	1	08/21/2025 15:52	WG2583060
2-Chloronaphthalene	U		0.00129	0.0200	1	08/21/2025 15:52	WG2583060
(S) p-Terphenyl-d14	*110*			*23.0-120*		*08/21/2025 15:52*	WG2583060
(S) Nitrobenzene-d5	*90.4*			*14.0-149*		*08/21/2025 15:52*	WG2583060
(S) 2-Fluorobiphenyl	*107*			*34.0-125*		*08/21/2025 15:52*	WG2583060

Semi Volatile Organic Compounds (GC/MS) by Method 8270E-SIM

Analyte	Result mg/kg	Qualifier	MDL mg/kg	RDL mg/kg	Dilution	Analysis date / time	Batch
Anthracene	0.00238	J	0.00163	0.00600	1	08/21/2025 16:10	WG2583060
Acenaphthene	U		0.00162	0.00600	1	08/21/2025 16:10	WG2583060
Acenaphthylene	0.00366	J	0.00159	0.00600	1	08/21/2025 16:10	WG2583060
Benzo(a)anthracene	0.0134		0.00200	0.00600	1	08/21/2025 16:10	WG2583060
Benzo(a)pyrene	0.0168		0.00163	0.00600	1	08/21/2025 16:10	WG2583060
Benzo(b)fluoranthene	0.0290		0.00275	0.00600	1	08/21/2025 16:10	WG2583060
Benzo(g,h,i)perylene	0.0171		0.00193	0.00600	1	08/21/2025 16:10	WG2583060
Benzo(k)fluoranthene	0.00876		0.00213	0.00600	1	08/21/2025 16:10	WG2583060
Chrysene	0.0122		0.00206	0.00600	1	08/21/2025 16:10	WG2583060
Dibenz(a,h)anthracene	0.00350	J	0.00201	0.00600	1	08/21/2025 16:10	WG2583060
Fluoranthene	0.0207		0.00239	0.00600	1	08/21/2025 16:10	WG2583060
Fluorene	U		0.00180	0.00600	1	08/21/2025 16:10	WG2583060
Indeno(1,2,3-cd)pyrene	0.0162		0.00234	0.00600	1	08/21/2025 16:10	WG2583060
Naphthalene	U		0.00579	0.0200	1	08/21/2025 16:10	WG2583060
Phenanthrene	0.00623		0.00305	0.00600	1	08/21/2025 16:10	WG2583060
Pyrene	0.0169		0.00205	0.00600	1	08/21/2025 16:10	WG2583060
1-Methylnaphthalene	0.00287	J	0.00219	0.0200	1	08/21/2025 16:10	WG2583060
2-Methylnaphthalene	U		0.00571	0.0200	1	08/21/2025 16:10	WG2583060
2-Chloronaphthalene	U		0.00129	0.0200	1	08/21/2025 16:10	WG2583060
(S) p-Terphenyl-d14	*86.9*			*23.0-120*		*08/21/2025 16:10*	WG2583060
(S) Nitrobenzene-d5	*78.4*			*14.0-149*		*08/21/2025 16:10*	WG2583060
(S) 2-Fluorobiphenyl	*86.6*			*34.0-125*		*08/21/2025 16:10*	WG2583060

Semi Volatile Organic Compounds (GC/MS) by Method 8270E-SIM

Analyte	Result mg/kg	Qualifier	MDL mg/kg	RDL mg/kg	Dilution	Analysis date / time	Batch
Anthracene	0.0149		0.00163	0.00600	1	08/21/2025 16:28	WG2583060
Acenaphthene	0.00566	J	0.00162	0.00600	1	08/21/2025 16:28	WG2583060
Acenaphthylene	0.00278	J	0.00159	0.00600	1	08/21/2025 16:28	WG2583060
Benzo(a)anthracene	0.0459		0.00200	0.00600	1	08/21/2025 16:28	WG2583060
Benzo(a)pyrene	0.0413		0.00163	0.00600	1	08/21/2025 16:28	WG2583060
Benzo(b)fluoranthene	0.0611		0.00275	0.00600	1	08/21/2025 16:28	WG2583060
Benzo(g,h,i)perylene	0.0340		0.00193	0.00600	1	08/21/2025 16:28	WG2583060
Benzo(k)fluoranthene	0.0232		0.00213	0.00600	1	08/21/2025 16:28	WG2583060
Chrysene	0.0394		0.00206	0.00600	1	08/21/2025 16:28	WG2583060
Dibenz(a,h)anthracene	0.00707		0.00201	0.00600	1	08/21/2025 16:28	WG2583060
Fluoranthene	0.113		0.00239	0.00600	1	08/21/2025 16:28	WG2583060
Fluorene	0.00528	J	0.00180	0.00600	1	08/21/2025 16:28	WG2583060
Indeno(1,2,3-cd)pyrene	0.0306		0.00234	0.00600	1	08/21/2025 16:28	WG2583060
Naphthalene	U		0.00579	0.0200	1	08/21/2025 16:28	WG2583060
Phenanthrene	0.0623		0.00305	0.00600	1	08/21/2025 16:28	WG2583060
Pyrene	0.0808		0.00205	0.00600	1	08/21/2025 16:28	WG2583060
1-Methylnaphthalene	U		0.00219	0.0200	1	08/21/2025 16:28	WG2583060
2-Methylnaphthalene	U		0.00571	0.0200	1	08/21/2025 16:28	WG2583060
2-Chloronaphthalene	U		0.00129	0.0200	1	08/21/2025 16:28	WG2583060
(S) p-Terphenyl-d14	*112*			*23.0-120*		*08/21/2025 16:28*	WG2583060
(S) Nitrobenzene-d5	*93.8*			*14.0-149*		*08/21/2025 16:28*	WG2583060
(S) 2-Fluorobiphenyl	*107*			*34.0-125*		*08/21/2025 16:28*	WG2583060

1 Cp
2 Tc
3 Ss
4 Cn
5 Sr
6 Qc
7 Gl
8 Al
9 Sc

Semi Volatile Organic Compounds (GC/MS) by Method 8270E-SIM

Analyte	Result mg/kg	Qualifier	MDL mg/kg	RDL mg/kg	Dilution	Analysis date / time	Batch
Anthracene	0.213		0.00163	0.00600	1	08/21/2025 16:45	WG2583060
Acenaphthene	0.106		0.00162	0.00600	1	08/21/2025 16:45	WG2583060
Acenaphthylene	0.0198		0.00159	0.00600	1	08/21/2025 16:45	WG2583060
Benzo(a)anthracene	0.493		0.00200	0.00600	1	08/21/2025 16:45	WG2583060
Benzo(a)pyrene	0.432		0.00163	0.00600	1	08/21/2025 16:45	WG2583060
Benzo(b)fluoranthene	0.615		0.00275	0.00600	1	08/21/2025 16:45	WG2583060
Benzo(g,h,i)perylene	0.298		0.00193	0.00600	1	08/21/2025 16:45	WG2583060
Benzo(k)fluoranthene	0.209		0.00213	0.00600	1	08/21/2025 16:45	WG2583060
Chrysene	0.403		0.00206	0.00600	1	08/21/2025 16:45	WG2583060
Dibenz(a,h)anthracene	0.0726		0.00201	0.00600	1	08/21/2025 16:45	WG2583060
Fluoranthene	1.19		0.00239	0.00600	1	08/21/2025 16:45	WG2583060
Fluorene	0.100		0.00180	0.00600	1	08/21/2025 16:45	WG2583060
Indeno(1,2,3-cd)pyrene	0.307		0.00234	0.00600	1	08/21/2025 16:45	WG2583060
Naphthalene	0.0310		0.00579	0.0200	1	08/21/2025 16:45	WG2583060
Phenanthrene	0.857		0.00305	0.00600	1	08/21/2025 16:45	WG2583060
Pyrene	0.825		0.00205	0.00600	1	08/21/2025 16:45	WG2583060
1-Methylnaphthalene	0.0299		0.00219	0.0200	1	08/21/2025 16:45	WG2583060
2-Methylnaphthalene	0.0261		0.00571	0.0200	1	08/21/2025 16:45	WG2583060
2-Chloronaphthalene	U		0.00129	0.0200	1	08/21/2025 16:45	WG2583060
(S) p-Terphenyl-d14	*109*			*23.0-120*		*08/21/2025 16:45*	WG2583060
(S) Nitrobenzene-d5	*86.4*			*14.0-149*		*08/21/2025 16:45*	WG2583060
(S) 2-Fluorobiphenyl	*105*			*34.0-125*		*08/21/2025 16:45*	WG2583060

Semi Volatile Organic Compounds (GC/MS) by Method 8270E-SIM

Analyte	Result mg/kg	Qualifier	MDL mg/kg	RDL mg/kg	Dilution	Analysis date / time	Batch
Anthracene	0.0182		0.00163	0.00600	1	08/21/2025 17:03	WG2583060
Acenaphthene	0.00642		0.00162	0.00600	1	08/21/2025 17:03	WG2583060
Acenaphthylene	0.00593	J	0.00159	0.00600	1	08/21/2025 17:03	WG2583060
Benzo(a)anthracene	0.0807		0.00200	0.00600	1	08/21/2025 17:03	WG2583060
Benzo(a)pyrene	0.0792		0.00163	0.00600	1	08/21/2025 17:03	WG2583060
Benzo(b)fluoranthene	0.121		0.00275	0.00600	1	08/21/2025 17:03	WG2583060
Benzo(g,h,i)perylene	0.0617		0.00193	0.00600	1	08/21/2025 17:03	WG2583060
Benzo(k)fluoranthene	0.0428		0.00213	0.00600	1	08/21/2025 17:03	WG2583060
Chrysene	0.0705		0.00206	0.00600	1	08/21/2025 17:03	WG2583060
Dibenz(a,h)anthracene	0.0146		0.00201	0.00600	1	08/21/2025 17:03	WG2583060
Fluoranthene	0.179		0.00239	0.00600	1	08/21/2025 17:03	WG2583060
Fluorene	0.00503	J	0.00180	0.00600	1	08/21/2025 17:03	WG2583060
Indeno(1,2,3-cd)pyrene	0.0595		0.00234	0.00600	1	08/21/2025 17:03	WG2583060
Naphthalene	U		0.00579	0.0200	1	08/21/2025 17:03	WG2583060
Phenanthrene	0.0864		0.00305	0.00600	1	08/21/2025 17:03	WG2583060
Pyrene	0.132		0.00205	0.00600	1	08/21/2025 17:03	WG2583060
1-Methylnaphthalene	0.00457	J	0.00219	0.0200	1	08/21/2025 17:03	WG2583060
2-Methylnaphthalene	U		0.00571	0.0200	1	08/21/2025 17:03	WG2583060
2-Chloronaphthalene	U		0.00129	0.0200	1	08/21/2025 17:03	WG2583060
(S) p-Terphenyl-d14	*83.1*			*23.0-120*		*08/21/2025 17:03*	WG2583060
(S) Nitrobenzene-d5	*67.0*			*14.0-149*		*08/21/2025 17:03*	WG2583060
(S) 2-Fluorobiphenyl	*79.5*			*34.0-125*		*08/21/2025 17:03*	WG2583060

Semi Volatile Organic Compounds (GC/MS) by Method 8270E-SIM

Analyte	Result mg/kg	Qualifier	MDL mg/kg	RDL mg/kg	Dilution	Analysis date / time	Batch
Anthracene	0.0469		0.00163	0.00600	1	08/21/2025 13:23	WG2585446
Acenaphthene	0.0146		0.00162	0.00600	1	08/21/2025 13:23	WG2585446
Acenaphthylene	0.00646		0.00159	0.00600	1	08/21/2025 13:23	WG2585446
Benzo(a)anthracene	0.180		0.00200	0.00600	1	08/21/2025 13:23	WG2585446
Benzo(a)pyrene	0.167		0.00163	0.00600	1	08/21/2025 13:23	WG2585446
Benzo(b)fluoranthene	0.240		0.00275	0.00600	1	08/21/2025 13:23	WG2585446
Benzo(g,h,i)perylene	0.122		0.00193	0.00600	1	08/21/2025 13:23	WG2585446
Benzo(k)fluoranthene	0.0770		0.00213	0.00600	1	08/21/2025 13:23	WG2585446
Chrysene	0.138		0.00206	0.00600	1	08/21/2025 13:23	WG2585446
Dibenz(a,h)anthracene	0.0288		0.00201	0.00600	1	08/21/2025 13:23	WG2585446
Fluoranthene	0.349		0.00239	0.00600	1	08/21/2025 13:23	WG2585446
Fluorene	0.0123		0.00180	0.00600	1	08/21/2025 13:23	WG2585446
Indeno(1,2,3-cd)pyrene	0.126		0.00234	0.00600	1	08/21/2025 13:23	WG2585446
Naphthalene	0.00593	J	0.00579	0.0200	1	08/21/2025 13:23	WG2585446
Phenanthrene	0.172		0.00305	0.00600	1	08/21/2025 13:23	WG2585446
Pyrene	0.261		0.00205	0.00600	1	08/21/2025 13:23	WG2585446
1-Methylnaphthalene	0.00609	J	0.00219	0.0200	1	08/21/2025 13:23	WG2585446
2-Methylnaphthalene	0.00632	J	0.00571	0.0200	1	08/21/2025 13:23	WG2585446
2-Chloronaphthalene	U		0.00129	0.0200	1	08/21/2025 13:23	WG2585446
(S) p-Terphenyl-d14	*80.1*			*23.0-120*		*08/21/2025 13:23*	WG2585446
(S) Nitrobenzene-d5	*83.5*			*14.0-149*		*08/21/2025 13:23*	WG2585446
(S) 2-Fluorobiphenyl	*78.0*			*34.0-125*		*08/21/2025 13:23*	WG2585446

Semi Volatile Organic Compounds (GC/MS) by Method 8270E-SIM

Analyte	Result mg/kg	Qualifier	MDL mg/kg	RDL mg/kg	Dilution	Analysis date / time	Batch
Anthracene	0.00427	J	0.00163	0.00600	1	08/21/2025 13:41	WG2585446
Acenaphthene	U		0.00162	0.00600	1	08/21/2025 13:41	WG2585446
Acenaphthylene	U		0.00159	0.00600	1	08/21/2025 13:41	WG2585446
Benzo(a)anthracene	0.0181		0.00200	0.00600	1	08/21/2025 13:41	WG2585446
Benzo(a)pyrene	0.0190		0.00163	0.00600	1	08/21/2025 13:41	WG2585446
Benzo(b)fluoranthene	0.0286		0.00275	0.00600	1	08/21/2025 13:41	WG2585446
Benzo(g,h,i)perylene	0.0179		0.00193	0.00600	1	08/21/2025 13:41	WG2585446
Benzo(k)fluoranthene	0.00873		0.00213	0.00600	1	08/21/2025 13:41	WG2585446
Chrysene	0.0137		0.00206	0.00600	1	08/21/2025 13:41	WG2585446
Dibenz(a,h)anthracene	0.00396	J	0.00201	0.00600	1	08/21/2025 13:41	WG2585446
Fluoranthene	0.0373		0.00239	0.00600	1	08/21/2025 13:41	WG2585446
Fluorene	U		0.00180	0.00600	1	08/21/2025 13:41	WG2585446
Indeno(1,2,3-cd)pyrene	0.0162		0.00234	0.00600	1	08/21/2025 13:41	WG2585446
Naphthalene	U		0.00579	0.0200	1	08/21/2025 13:41	WG2585446
Phenanthrene	0.0190		0.00305	0.00600	1	08/21/2025 13:41	WG2585446
Pyrene	0.0282		0.00205	0.00600	1	08/21/2025 13:41	WG2585446
1-Methylnaphthalene	U		0.00219	0.0200	1	08/21/2025 13:41	WG2585446
2-Methylnaphthalene	U		0.00571	0.0200	1	08/21/2025 13:41	WG2585446
2-Chloronaphthalene	U		0.00129	0.0200	1	08/21/2025 13:41	WG2585446
(S) p-Terphenyl-d14	*83.9*			*23.0-120*		*08/21/2025 13:41*	WG2585446
(S) Nitrobenzene-d5	*87.1*			*14.0-149*		*08/21/2025 13:41*	WG2585446
(S) 2-Fluorobiphenyl	*82.9*			*34.0-125*		*08/21/2025 13:41*	WG2585446

Semi Volatile Organic Compounds (GC/MS) by Method 8270E-SIM

Analyte	Result mg/kg	Qualifier	MDL mg/kg	RDL mg/kg	Dilution	Analysis date / time	Batch
Anthracene	0.00665		0.00163	0.00600	1	08/21/2025 13:58	WG2585446
Acenaphthene	U		0.00162	0.00600	1	08/21/2025 13:58	WG2585446
Acenaphthylene	U		0.00159	0.00600	1	08/21/2025 13:58	WG2585446
Benzo(a)anthracene	0.0422		0.00200	0.00600	1	08/21/2025 13:58	WG2585446
Benzo(a)pyrene	0.0453		0.00163	0.00600	1	08/21/2025 13:58	WG2585446
Benzo(b)fluoranthene	0.0654		0.00275	0.00600	1	08/21/2025 13:58	WG2585446
Benzo(g,h,i)perylene	0.0384		0.00193	0.00600	1	08/21/2025 13:58	WG2585446
Benzo(k)fluoranthene	0.0232		0.00213	0.00600	1	08/21/2025 13:58	WG2585446
Chrysene	0.0377		0.00206	0.00600	1	08/21/2025 13:58	WG2585446
Dibenz(a,h)anthracene	0.00877		0.00201	0.00600	1	08/21/2025 13:58	WG2585446
Fluoranthene	0.0800		0.00239	0.00600	1	08/21/2025 13:58	WG2585446
Fluorene	U		0.00180	0.00600	1	08/21/2025 13:58	WG2585446
Indeno(1,2,3-cd)pyrene	0.0386		0.00234	0.00600	1	08/21/2025 13:58	WG2585446
Naphthalene	U		0.00579	0.0200	1	08/21/2025 13:58	WG2585446
Phenanthrene	0.0388		0.00305	0.00600	1	08/21/2025 13:58	WG2585446
Pyrene	0.0640		0.00205	0.00600	1	08/21/2025 13:58	WG2585446
1-Methylnaphthalene	U		0.00219	0.0200	1	08/21/2025 13:58	WG2585446
2-Methylnaphthalene	U		0.00571	0.0200	1	08/21/2025 13:58	WG2585446
2-Chloronaphthalene	U		0.00129	0.0200	1	08/21/2025 13:58	WG2585446
(S) p-Terphenyl-d14	*79.0*			*23.0-120*		*08/21/2025 13:58*	WG2585446
(S) Nitrobenzene-d5	*81.4*			*14.0-149*		*08/21/2025 13:58*	WG2585446
(S) 2-Fluorobiphenyl	*74.3*			*34.0-125*		*08/21/2025 13:58*	WG2585446

Method Blank (MB)

(MB) R4263810-2 08/21/25 10:32

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Anthracene	U		0.00163	0.00600
Acenaphthene	U		0.00162	0.00600
Acenaphthylene	U		0.00159	0.00600
Benzo(a)anthracene	U		0.00200	0.00600
Benzo(a)pyrene	U		0.00163	0.00600
Benzo(b)fluoranthene	U		0.00275	0.00600
Benzo(g,h,i)perylene	U		0.00193	0.00600
Benzo(k)fluoranthene	U		0.00213	0.00600
Chrysene	U		0.00206	0.00600
Dibenz(a,h)anthracene	U		0.00201	0.00600
Fluoranthene	U		0.00239	0.00600
Fluorene	U		0.00180	0.00600
Indeno(1,2,3-cd)pyrene	U		0.00234	0.00600
Naphthalene	U		0.00579	0.0200
Phenanthrene	U		0.00305	0.00600
Pyrene	U		0.00205	0.00600
1-Methylnaphthalene	U		0.00219	0.0200
2-Methylnaphthalene	U		0.00571	0.0200
2-Chloronaphthalene	U		0.00129	0.0200
(S) p-Terphenyl-d14	*107*			*23.0-120*
(S) Nitrobenzene-d5	*79.3*			*14.0-149*
(S) 2-Fluorobiphenyl	*98.4*			*34.0-125*

Laboratory Control Sample (LCS)

(LCS) R4263810-1 08/21/25 10:14

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Anthracene	0.0800	0.0710	88.8	50.0-126	
Acenaphthene	0.0800	0.0649	81.1	50.0-120	
Acenaphthylene	0.0800	0.0705	88.1	50.0-120	
Benzo(a)anthracene	0.0800	0.0705	88.1	45.0-120	
Benzo(a)pyrene	0.0800	0.0648	81.0	42.0-120	
Benzo(b)fluoranthene	0.0800	0.0756	94.5	42.0-121	
Benzo(g,h,i)perylene	0.0800	0.0712	89.0	45.0-125	
Benzo(k)fluoranthene	0.0800	0.0730	91.3	49.0-125	
Chrysene	0.0800	0.0763	95.4	49.0-122	
Dibenz(a,h)anthracene	0.0800	0.0701	87.6	47.0-125	
Fluoranthene	0.0800	0.0768	96.0	49.0-129	

Laboratory Control Sample (LCS)

(LCS) R4263810-1 08/21/25 10:14

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Fluorene	0.0800	0.0748	93.5	49.0-120	
Indeno(1,2,3-cd)pyrene	0.0800	0.0666	83.3	46.0-125	
Naphthalene	0.0800	0.0701	87.6	50.0-120	
Phenanthrene	0.0800	0.0718	89.8	47.0-120	
Pyrene	0.0800	0.0724	90.5	43.0-123	
1-Methylnaphthalene	0.0800	0.0739	92.4	51.0-121	
2-Methylnaphthalene	0.0800	0.0754	94.3	50.0-120	
2-Chloronaphthalene	0.0800	0.0722	90.3	50.0-120	
(S) p-Terphenyl-d14			*102*	*23.0-120*	
(S) Nitrobenzene-d5			*81.8*	*14.0-149*	
(S) 2-Fluorobiphenyl			*98.3*	*34.0-125*	

L1888124-02 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1888124-02 08/21/25 14:23 • (MS) R4263810-3 08/21/25 14:41 • (MSD) R4263810-4 08/21/25 14:59

Analyte	Spike Amount mg/kg	Original Result mg/kg	MS Result mg/kg	MSD Result mg/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Anthracene	0.0768	U	0.0676	0.0779	88.0	99.9	1	10.0-145			14.2	30
Acenaphthene	0.0768	U	0.0592	0.0684	77.1	87.7	1	14.0-127			14.4	27
Acenaphthylene	0.0768	U	0.0658	0.0757	85.7	97.1	1	21.0-124			14.0	25
Benzo(a)anthracene	0.0768	U	0.0648	0.0755	84.4	96.8	1	10.0-139			15.3	30
Benzo(a)pyrene	0.0768	U	0.0640	0.0755	83.3	96.8	1	10.0-141			16.5	31
Benzo(b)fluoranthene	0.0768	U	0.0662	0.0783	86.2	100	1	10.0-140			16.7	36
Benzo(g,h,i)perylene	0.0768	U	0.0622	0.0721	81.0	92.4	1	10.0-140			14.7	33
Benzo(k)fluoranthene	0.0768	U	0.0649	0.0759	84.5	97.3	1	10.0-137			15.6	31
Chrysene	0.0768	U	0.0689	0.0803	89.7	103	1	10.0-145			15.3	30
Dibenz(a,h)anthracene	0.0768	U	0.0636	0.0739	82.8	94.7	1	10.0-132			15.0	31
Fluoranthene	0.0768	U	0.0719	0.0832	93.6	107	1	10.0-153			14.6	33
Fluorene	0.0768	U	0.0682	0.0776	88.8	99.5	1	11.0-130			12.9	29
Indeno(1,2,3-cd)pyrene	0.0768	U	0.0604	0.0704	78.6	90.3	1	10.0-137			15.3	32
Naphthalene	0.0768	U	0.0621	0.0734	80.9	94.1	1	10.0-135			16.7	27
Phenanthrene	0.0768	U	0.0668	0.0778	87.0	99.7	1	10.0-144			15.2	31
Pyrene	0.0768	U	0.0656	0.0761	85.4	97.6	1	10.0-148			14.8	35
1-Methylnaphthalene	0.0768	U	0.0665	0.0783	86.6	100	1	10.0-142			16.3	28
2-Methylnaphthalene	0.0768	U	0.0646	0.0776	84.1	99.5	1	10.0-137			18.3	28
2-Chloronaphthalene	0.0768	U	0.0650	0.0751	84.6	96.3	1	29.0-120			14.4	24
(S) p-Terphenyl-d14					*105*	*124*		*23.0-120*		J1		
(S) Nitrobenzene-d5					*86.5*	*94.0*		*14.0-149*				
(S) 2-Fluorobiphenyl					*102*	*114*		*34.0-125*				

Method Blank (MB)

(MB) R4262458-2 08/21/25 08:50

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Anthracene	U		0.00163	0.00600
Acenaphthene	U		0.00162	0.00600
Acenaphthylene	U		0.00159	0.00600
Benzo(a)anthracene	U		0.00200	0.00600
Benzo(a)pyrene	U		0.00163	0.00600
Benzo(b)fluoranthene	U		0.00275	0.00600
Benzo(g,h,i)perylene	U		0.00193	0.00600
Benzo(k)fluoranthene	U		0.00213	0.00600
Chrysene	U		0.00206	0.00600
Dibenz(a,h)anthracene	U		0.00201	0.00600
Fluoranthene	U		0.00239	0.00600
Fluorene	U		0.00180	0.00600
Indeno(1,2,3-cd)pyrene	U		0.00234	0.00600
Naphthalene	U		0.00579	0.0200
Phenanthrene	U		0.00305	0.00600
Pyrene	U		0.00205	0.00600
1-Methylnaphthalene	U		0.00219	0.0200
2-Methylnaphthalene	U		0.00571	0.0200
2-Chloronaphthalene	U		0.00129	0.0200
(S) p-Terphenyl-d14	*94.7*			*23.0-120*
(S) Nitrobenzene-d5	*88.7*			*14.0-149*
(S) 2-Fluorobiphenyl	*83.8*			*34.0-125*

Laboratory Control Sample (LCS)

(LCS) R4262458-1 08/21/25 08:33

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Anthracene	0.0800	0.0784	98.0	50.0-126	
Acenaphthene	0.0800	0.0750	93.8	50.0-120	
Acenaphthylene	0.0800	0.0777	97.1	50.0-120	
Benzo(a)anthracene	0.0800	0.0771	96.4	45.0-120	
Benzo(a)pyrene	0.0800	0.0745	93.1	42.0-120	
Benzo(b)fluoranthene	0.0800	0.0778	97.3	42.0-121	
Benzo(g,h,i)perylene	0.0800	0.0780	97.5	45.0-125	
Benzo(k)fluoranthene	0.0800	0.0801	100	49.0-125	
Chrysene	0.0800	0.0755	94.4	49.0-122	
Dibenz(a,h)anthracene	0.0800	0.0847	106	47.0-125	
Fluoranthene	0.0800	0.0786	98.2	49.0-129	

Laboratory Control Sample (LCS)

(LCS) R4262458-1 08/21/25 08:33

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Fluorene	0.0800	0.0760	95.0	49.0-120	
Indeno(1,2,3-cd)pyrene	0.0800	0.0698	87.3	46.0-125	
Naphthalene	0.0800	0.0782	97.8	50.0-120	
Phenanthrene	0.0800	0.0756	94.5	47.0-120	
Pyrene	0.0800	0.0745	93.1	43.0-123	
1-Methylnaphthalene	0.0800	0.0826	103	51.0-121	
2-Methylnaphthalene	0.0800	0.0787	98.4	50.0-120	
2-Chloronaphthalene	0.0800	0.0718	89.8	50.0-120	
(S) p-Terphenyl-d14			*93.9*	*23.0-120*	
(S) Nitrobenzene-d5			*93.3*	*14.0-149*	
(S) 2-Fluorobiphenyl			*86.0*	*34.0-125*	

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.
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.
Original Sample	The non-spiked sample in the prep batch used to determine the Relative Percent Difference (RPD) from a quality control sample. The Original Sample may not be included within the reported SDG.
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.
U (Radiochemistry)	Result + Error < MDA.
J (Radiochemistry)	Result < MDA; Result + Error > MDA.
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.
J1	Surrogate recovery limits have been exceeded; values are outside upper control limits.

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.

Company Name/Address:
BHATE Environmental - Birmingham

1608 13th Ave. S
Suite 300
Birmingham. AL 35205

Billing Information:
Attn. - Accounts Payable
1608 13th Ave. South, Ste. 300
Birmingham, AL 35205

Pres Chk

Report to:
Emmett Beers 205-918-4000

Email To: ebeers@bhate.com

Project Description:
Smithfield II

City/State Collected: Birmingham, AL

Please Circle: PT MT CT ET

Regulatory Program(DOD,RCRA,DW,etc):

Client Project #
CSG2024.0069

Lab Project #

Collected by (print):
Cody McGriff

Site/Facility ID #

P.O. #

Collected by (signature):

Immediately Packed on Ice N ___ Y V

Rush? (Lab MUST Be Notified)
___ Same Day ___ Five Day
___ Next Day ___ 5 Day (Rad Only)
___ Two Day ___ 10 Day (Rad Only)
___ Three Day ___ STD TAT

Quote #

Date Results Needed

No. of Cntrs

Analysis / Container / Preservative

SV8270PAHSIM 4ozClr-NoPres

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs	SV8270PAHSIM 4ozClr-NoPres	Remarks	Sample # (lab only)
4A	G	SS	0-4	8/12/2025	1230	1	X		-01
4B		SS	0-4		1245	1	X		-02
4C		SS			1500	1	X		-03
4D		SS			1515	1	X		-04
4E		SS			1530	1	X		-05
4F		SS			1545	1	X		-06
4G		SS			1600	1	X		-07
4H	↓	SS	↓	↓	1615	1	X		-08

Chain of Custody Page ___ of ___

Pace
PEOPLE ADVANCING SCIENCE

MT JULIET, TN

12065 Lebanon Rd Mount Juliet, TN 37122
Submitting a sample via this chain of custody constitutes acknowledgment and acceptance of the Pace Terms and Conditions found at: https://info.pacelabs.com/hubfs/pas-standard-terms.pdf

SDG # L1668135

Table # H241

Acctnum: BHATEBAL

Template: T278663

Prelogin: P1169836

PM: 873 - Heather J Wagner

PB: BF 8/6/25

Shipped Via: FedEX Ground

* Matrix:
SS - Soil AIR - Air F - Filter
GW - Groundwater B - Bioassay
WW - WasteWater
DW - Drinking Water
OT - Other_____

Remarks:

pH _____ Temp _____

Flow _____ Other _____

Samples returned via:
__ UPS __ FedEx __ Courier _____

Tracking # 4580 6324 5789

Sample Receipt Checklist
COC Seal Present/Intact: __NP __Y __N
COC Signed/Accurate: __Y __N
Bottles arrive intact: __Y __N
Correct bottles used: __Y __N
Sufficient volume sent: __Y __N
If Applicable
VOA Zero Headspace: __Y __N
Preservation Correct/Checked: __Y __N
RAD Screen <0.5 mR/hr: __Y __N

Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)	Trip Blank Received: Yes / No HCL / MeoH TBR
	8/12/2025	1830		
Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)	Temp: °C Bottles Received: TLA 0.9-0.1=0.8 8
				If preservation required by Login: Date/Time
Relinquished by : (Signature)	Date:	Time:	Received for lab by: (Signature)	Date: 8/13/25 Time: 9:00
				Hold: Condition: NCF / OK

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APPENDIX C
QUALITY ASSURANCE/QUALITY CONTROL PLAN

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QUALITY ASSURANCE/QUALITY CONTROL PLAN SMITHFIELD PHASE II

BIRMINGHAM, JEFFERSON COUNTY, ALABAMA

Methodology and quality control of field activities will be conducted in accordance with the Bhate Standard Operating Procedures (BSOPs), August 2002.

Personnel Qualifications

All personnel involved in this project will demonstrate that they possess the training and experience necessary to fulfill their identified responsibilities.

Storage and Disposal of Wastes

Investigation derived wastes (IDW) generated during sampling will be containerized and stored on site. The containers and documentation will be labeled according to well location/number, material, date generated, responsible personnel, and notable characteristics of waste such as color, odor, etc. Saturated and unsaturated refuse will be segregated.

Decontamination

Procedures for decontamination of various tools and equipment used in performing the field work are listed below. A decontamination area will be established at the site and used for the duration of the field work. The following is the standard decontamination protocol for all equipment.

1. Scrub equipment thoroughly with soft-bristle brushes in a low-sudsing detergent solution such as Liquinox.
2. Rinse equipment with tap water by submerging and/or spraying.

In addition to the standard protocol, pumps and discharge lines will be decontaminated by pumping the detergent solution, tap-water rinse, and distilled-water rinse.

Documentation of Field Activities

Field activities will be documented appropriately by the field personnel.

Sample Containers

Sample containers will be new and will be provided by the laboratory performing the analyses.

Sampling

All sampling equipment will be decontaminated prior to and between sampling events. Sampling personnel will minimize the possibility of contamination as much as practically possible.

Sample Packaging and Shipment

Packaging requirements for shipment of samples are dependent upon the nature of the sample (type of sample, contaminants, preservatives) and the mode of transportation.

For hazardous samples, it is the responsibility of the person in charge of field sampling operations to use the proper requirements for shipping in accordance with the Hazardous Materials Table, 49 Code of Federal Regulations (CFR) §172.101.

All samples will be accompanied by a chain-of-custody form. When transferring the possession of the samples, the individuals receiving the samples will sign, date, and note on the chain-of-custody the time that they receive the samples.

Samples will be packaged properly for shipment and sent to an environmental laboratory for analyses. All samples will be placed on ice before shipment.

Whenever samples are split with a facility, state regulation agency, or other government agency, the facility, state regulation agency, or other government agency representative will sign the appropriate chain-of-custody section to provide a record of the samples.

The originals and one copy of the chain-of-custody form will be placed in a plastic bag inside the shipping container. One copy of the chain-of-custody form will be retained by the field investigator or project leader. The original chain-of-custody form will be transmitted to the field investigator or project leader after samples are accepted by the laboratory.

Chain-of-Custody Procedures

To establish the documentation necessary to trace sample possession from the time of collection, a chain-of-custody form will be completed and will accompany every sample. The record will contain the following minimum information:

1. Project name and number
2. Sample number
3. Signature of person collecting the sample
4. Date and time of collection
5. Place and address of collection
6. Sample type
7. Signature of persons involved in the chain of possession (i.e. Field Collector, Courier, Lab Personnel receiving)
8. Inclusive dates of possession

Samples will be sent by common carrier, a bill of lading or air bill will be used. Receipt from post office, copies of bills of lading, and air bills will be retained as part of the documentation of the chain-of-custody.

Calibration Practices

Instruments and equipment used in the field will be controlled by a formal calibration program. The program will verify that equipment is of the proper type, range, accuracy, and precision to provide data compatible with specified requirements. All instruments and equipment which measure a quantity, or whose performance is expected to attain a stated level are subject to calibration. Calibration will be performed by the laboratory staff using a reference standard.

- Calibration procedures: These procedures are published by the American Society for Testing and Materials (ASTM), the U.S. Environmental Protection Agency (USEPA), or the manufacturer.
- Calibration frequency: Instruments will be calibrated at prescribed intervals, example: Mercury filled thermometer-once every 12 months; pH meter and electrode, before and after each measurement.

Calibration Records

Records will be prepared and maintained for each piece of equipment subject to calibration and recorded in bound field notebooks.

Quality Control Samples

Where applicable, quality control samples will be collected for laboratory analyses.

Duplicate Sample Analyses

Where applicable, duplicate samples will be submitted to the laboratory performing the analyses. The results of the duplicate analyses will be used to determine the relative percent difference.

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APPENDIX D
SITE SAFETY AND HEALTH PLAN

A. Project Information and Approvals

Project Number: CSG2024.0069

Client Information: (Name, Address, Contact, etc.)	**Bhate Project SSHP Approvals (minimum)**			
	Title	**Name**	**Signature**	**Date**
Smithfield Phase II, LP 191 Peachtree Street Suite 4100 Atlanta, Georgia 30303 Attention: Ms. Patricia Beshay	Project Manager (PM)	Emmett Beers		9/26/2025
Project Information: (Facility Name, Address, etc.) Proposed Smithfield Phase II 308 10th Avenue North Birmingham, Jefferson County, Alabama	Health and Safety Manager (HSM)	Leland Meadows		9/26/2025
	Site Safety and Health Officer (SSHO)	TBD		

Project Safety Coordination:

The overall responsibility for the health and safety of project personnel lies with the PM. A fully trained and experienced SSHO will be onsite during field activities to implement and enforce the health and safety procedures outlined in this SSHP. The Bhate HSM is responsible for the development, implementation, and oversight of the Corporate Health and Safety Program. Should any project health and safety issues arise that are not adequately covered by this SSHP, an addendum to this SSHP shall be prepared and/or the Bhate Corporate Health and Safety Plan (HASP) will be utilized for guidance. Bhate will be responsible for overall health and safety during the project and will enforce the requirements of this SSHP for site project personnel.

Description of field work to be performed

This SSHP addresses the potential health and safety hazards associated with the contaminated soil removal which includes:

- Excavation and Backfill

B. Hazard(s) Assessment

Hazard Categories	Hazard Potential [High, Moderate, or Low]	Description of Potential Hazards
General Safety	• Moderate	• Slips, trips, and falls • Traffic and heavy equipment • Materials handling • Excavations • Electrical • Hand and power tools • Walking and working surfaces • Hot surfaces (re-paving)
Utilities	• Moderate	• Buried and aboveground utilities
Chemical	• Moderate	• Petroleum impacted soils (Benzene, Ethylbenzene, Toluene, Xylene, MTBE, Lead) • Sample preservative (Hydrochloric Acid) • Asphalt and concrete
Physical	• Moderate	• Heat and/or cold Stress • Equipment noise • Sun exposure
Biological	• Low	• Not likely to encounter significant biological hazards • Insects • Indigenous wildlife

Activity Hazard Analyses (AHAs) that summarize the anticipated hazards and control measures for the activities below are attached.

- General site activities, mobilization, and demobilization
- Soil excavation

C. Training Requirements

The required training for site personnel will be consistent with the requirements of 29 CFR §1910.120 (e). Field personnel will attend daily tailgate safety briefings each morning prior to beginning fieldwork. Employees will be instructed on the requirements of the SSHP and any additional safety or health concerns and discuss the proposed activities scheduled for the day. Personnel attendance at daily safety briefings, any site specific training and an employee endorsement of the provisions of the SSHP will be maintained by the SSHO.

D. Personal Protective Equipment

Minimum Personal Protective Equipment by Activity					
Activity	**Head/Face**	**Foot**	**Hands**	**Respiratory**	**Clothing**
General Site Activities, (no potential contact with contaminated materials)	Hard Hat[1], Safety Glasses[2] with rigid side shields Hearing protection in noisy areas or while operating equipment and as needed	Steel toed boots	Leather gloves as needed	None[3,4,5]	Minimum of long pants and shirts with a minimum 4-inch sleeve Reflective Safety Vest (for traffic areas)
Sampling, well abandonment, well installation, or Excavation activities (potential contact with contaminated materials)	Hard Hat[1], Safety Glasses[2] with rigid side shields Hearing protection while operating the drill rig/equipment and as needed	Steel toed boots Boot covers as needed	Chemical resistant gloves (nitrile inner and outer)	TBD[3,4,5]	Tyvek coveralls for airborne particulates and negligible splashing Reflective Safety Vest (for traffic areas)
Asphalt Repaving and Concrete	Hard Hat[1], Safety Glasses[2] with rigid side shields Hearing protection while operating the drill rig/equipment and as needed Faceshield where splashing is possible	Steel toed boots Heat resistant and/or rubber boots as needed	Chemical resistant gloves (nitrile inner) and heat resistant gloves (outer)	TBD[3,4,5]	Tyvek coveralls for airborne particulates and negligible splashing Reflective Safety Vest (for traffic areas)

Notes:

[1] Hard hats are not required inside fully enclosed equipment cabs.

[2] Safety Glasses with rigid side shields approved by American National Standards Institute (ANSI) Z-87 required at all times.

[3] Voluntary use of respirators is authorized for comfort from nuisance dusts and odors, provided they are issued and used in accordance with established respiratory protection program procedures.

[4] Cartridge change out will occur at the following conditions:

- Damage to cartridge
- Cartridge is wet, restriction in breathing, unusual odors
- Cartridge is visibly clogged with dust, restriction in breathing
- After each day of use with no continuous exposures over the established Permissible Exposure Limits (PELs) per 29 CFR §1910.1028(g)(3)(i) (benzene standard) and the cartridge manufacturer's change out calculations based on anticipated concentrations.
- Changes that may be otherwise identified in 29 CFR §1910.120.

[5] If required, respirators will be specified according to the hazard. All Bhate personnel who may be required to wear a respirator during any phase of site activities must comply with the requirements of the Bhate Respiratory Protection Program. Respiratory protection users must participate in a medical monitoring program and be physically Cleanup Planable of performing the required work activities, they must have received training in the use of, and have been fit tested for the respiratory protection selected. Respirators will be required if and when action levels are exceeded as specified in Section F below.

E. Medical Surveillance Requirements

A medical surveillance program established for hazardous waste work will be followed for all onsite workers. Personnel working on the site will have had a pre-employment and current annual physical examination in accordance with 29 CFR §1910.120 (f) / 29 CFR §1926.65 (f) conducted by an occupational health physician and, on the basis of this examination, will have been certified as being fit for duty on potentially hazardous sites.

F. Air Monitoring

Photoionization detectors (PIDs) and/or flame ionization detectors (FIDs) will be used to measure airborne concentrations of suspected chemical contaminants. The majority of exposure monitoring will be conducted using direct-reading instruments in the workers' breathing zone to conduct negative exposure assessments and to verify the effectiveness of controls. Monitoring results will be recorded on an Air Monitoring Data Sheet or in a field logbook maintained by the SSHO. Readings of breathing zones (unless location is otherwise specified) will be taken periodically during all activities. The following site monitoring parameters and action levels are applicable for direct reading exposure monitoring.

Table F-1. Exposure Monitoring

Activity(s)	Compound / Instrument	Action Level(s) and Frequency	Actions
Excavation, soil sampling and other intrusive activities	Total VOCs / Photoionization Detector (PID)	0 - 5 parts per million (ppm) Every 15 minutes during intrusive activities	Continue work in required PPE and continue monitoring.
		> 5 ppm to < 10 ppm (Sustained for more than 5 minutes)	Ensure personnel are upwind, notify the PM. SSHO will upgrade PPE to Level C respiratory protection with organic vapor and High Efficiency Particulate Air (HEPA) cartridge, as necessary. Implement appropriate controls such as ventilation. **Monitor for benzene and implement actions listed below**.
		> 10 ppm (Sustained for more than 5 minutes)	Stop work, ensure employees are upwind. Notify PM and HSM for additional control measures.
Excavation, soil sampling and other intrusive activities	Particulates / Personal DataRam or similar particulate monitor	0 – 1.5 milligrams per cubic meter (mg/m^3) (respirable) 1-5 mg/m^3 (inhalable/total) Every 15 minutes during intrusive activities	Continue work in required PPE and continue monitoring.
		>1.5 mg/m^3 - < 3 mg/m^3 (respirable) >5 mg/m^3 - < 10 mg/m^3 (inhalable/total) (Sustained for more than 5 minutes)	Cease work and ensure personnel are upwind, notify the Site Manager. SSHO shall upgrade PPE to air purifying respiratory protection with HEPA cartridges. Perform personnel exposure monitoring using integrated time weighted average (TWA) monitoring.
		>3 - < 30 mg/m^3 (respirable)	Cease work and ensure personnel are upwind, notify the Site Manager.

Activity(s)	Compound / Instrument	Action Level(s) and Frequency	Actions
		>10 - <100 mg/m^3 (total inhalable) (Sustained for more than 5 minutes)	SSHO shall upgrade PPE to powered air purifying respiratory protection with HEPA cartridges. Perform personnel exposure monitoring using integrated TWA monitoring.
Intrusive Soil Activities	Lower Explosive Limit (LEL)	<10% LEL	Continue work in required PPE and continue monitoring.
		>10% LEL	Cease work and ensure personnel are upwind, notify the Site Manager. Ensure all sources of ignition are kept >50 feet away.
All site activities	Noise	< 85 decibels A-weighted (dBA)	Continue work in required PPE and continue monitoring.
		> 85 dBA to < 110 dBA	Ear plugs or ear muffs must be worn with a Noise Reduction Rating (NRR) of at least 26 dBA.
		> 110 dBA to < 130 dBA	Ear plugs and ear muffs must be worn together each with a NRR of at least 26 dBA.
		> 130 dBA	Cease work and ensure personnel leave work area. Notify the PM.

G. Site Control

The SSHO shall be responsible to maintain adequate site control in order to limit hazards to site workers and site visitors. To the extent feasible immediate work areas shall be cordoned off through the use of devices such as traffic cones, caution tape, or construction fencing. All site workers shall be aware of surroundings and prevent unauthorized personnel as well as vehicle traffic from entering the work area. All excavations will be barricaded using fence and signs to communicate the hazard and to prevent injury to others.

For areas with potential contamination a support zone (SZ), a contamination reduction zone (CRZ) and an exclusion zone (EZ) will be implemented by the SSHO. The SZ will be located outside of the contaminated areas. The contamination reduction zone will be demarcated with caution tape or temporary construction fencing in which the decontamination stations will be located. The exclusion zone will be clearly demarcated with caution tape or construction fencing and all access to this area will require the use of a sign in / out log.

H. Hazard Communication

An MSDS for all chemicals brought on site must be submitted to the Site Supervisor AND the Health and Safety Manager. A copy of all MSDS's must be kept on site as well as in the Corporate Office. All employees on site must review the MSDS for all chemicals used. All containers must be labeled with at a minimum the identity of the chemical contents and the associated hazards. The NFPA diamond label shall be used for all temporary or transfer containers used on site. The appropriate rating will be filled in for each hazard category based on the MSDS. Red = Fire Hazards, Blue = Health Hazards, Yellow = Reactivity Hazards, and White = other hazards (i.e. water reactive or oxidizer). All subcontractors are responsible for submitting a MSDS for all chemical products brought on site. A copy of the written hazard communication program is found in the Corporate Health and Safety Plan.

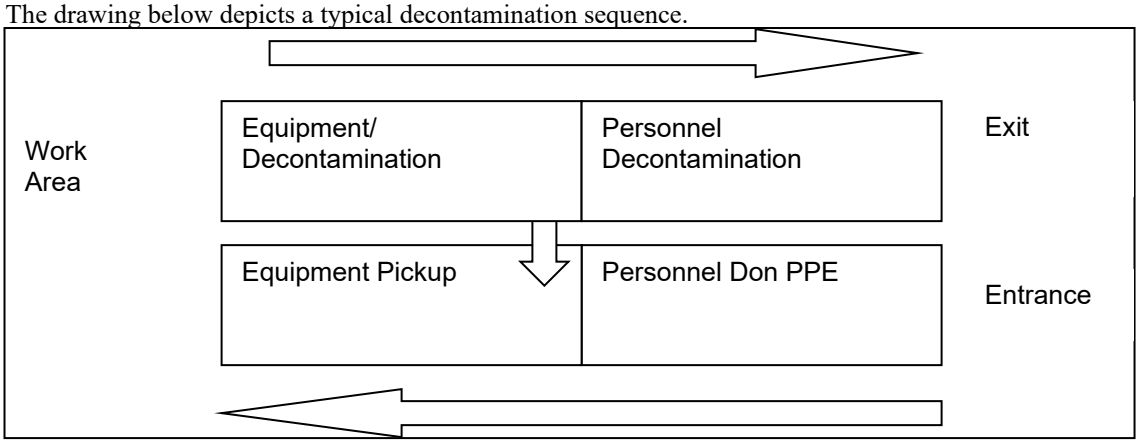
I. Decontamination

Personnel decontamination - Personnel will be required to thoroughly wash hands and face prior to eating, drinking, or smoking. All disposable PPE will be removed and disposed of in a labeled, pre-designated receptacle prior to leaving the work area to prevent the spread of contaminants. Upon return, new and/or cleaned PPE will be provided for use. In the case of excessive soiling or splattering, the PPE shall be changed out more frequently to reduce the spread of contamination and reduce the potential for contaminant breakthrough. Reusable PPE shall be cleaned with soap and water after each use. Respirator filter cartridges (if used) shall be changed out on a daily basis. The decontamination area will be divided into two general areas (equipment area and personnel decontamination area). When exiting the work area, workers will leave all

equipment in the equipment area. Workers will then remove PPE. Gloves will be turned inside out so as to not come into contact with potentially contaminated material. Respirators if used will then be removed and set aside for cleaning. Workers will then proceed to the personnel decontamination area and don clean gloves for use with soap and water to wash respirators, any other reusable PPE and tools. A small wash area will be provided so workers can then wash their face and hands. Clean paper towels and/or rags will be used to dry hands and face. Spent PPE and towels/rags will then be placed in a 55-gallon drum for proper disposal at the end of the project.

Equipment decontamination - Work efforts will be made to minimize equipment contact with contaminated materials. All equipment must be decontaminated prior to exiting the work area. Prior to leaving the work area, equipment (tires, excavator/loader buckets, hand tools) will be dry decontaminated. Soils from the dry decontamination process will be disposed with the excavated materials. Decontamination tools may include brooms and shovels.

The drawing below depicts a typical decontamination sequence.



J. Emergency Action and Response

In Case Of	Response Actions
Injury or illness	Treat injury with applicable First Aid. All work related injuries beyond first aid will result in notification of Emergency Services and notification of the employee supervisor.
Chemical exposure	First Aid shall be provided such as but not limited to: move victim to fresh air, remove contaminated clothing, flush affected skin with water, and seek medical attention.
Fire or explosion	Notify emergency services immediately. All personnel shall evacuate the immediate area of the fire and move to an upwind location.
Adverse weather	Tornados, lightning, or other threatening weather conditions will result in an immediate shut down of operations and evacuation of personnel. If take shelter situation is required personnel will proceed to the pre-designated take shelter location onsite.
Material spill or release	Vehicles and equipment will be maintained and inspected so as to prevent fluid leaks. Spill kits will be available to facilitate prompt containment and clean-up of spills.

In the event of an emergency, local sources of assistance will be utilized. Cellular telephones will be available to summon emergency services and functionality verified at the work site during the tailgate safety meeting. Prior to the commencement of the work, the SSHO will familiarize the field team with the locations of the closest hospital. Phone numbers and facilities for emergency use are provided for the work site.

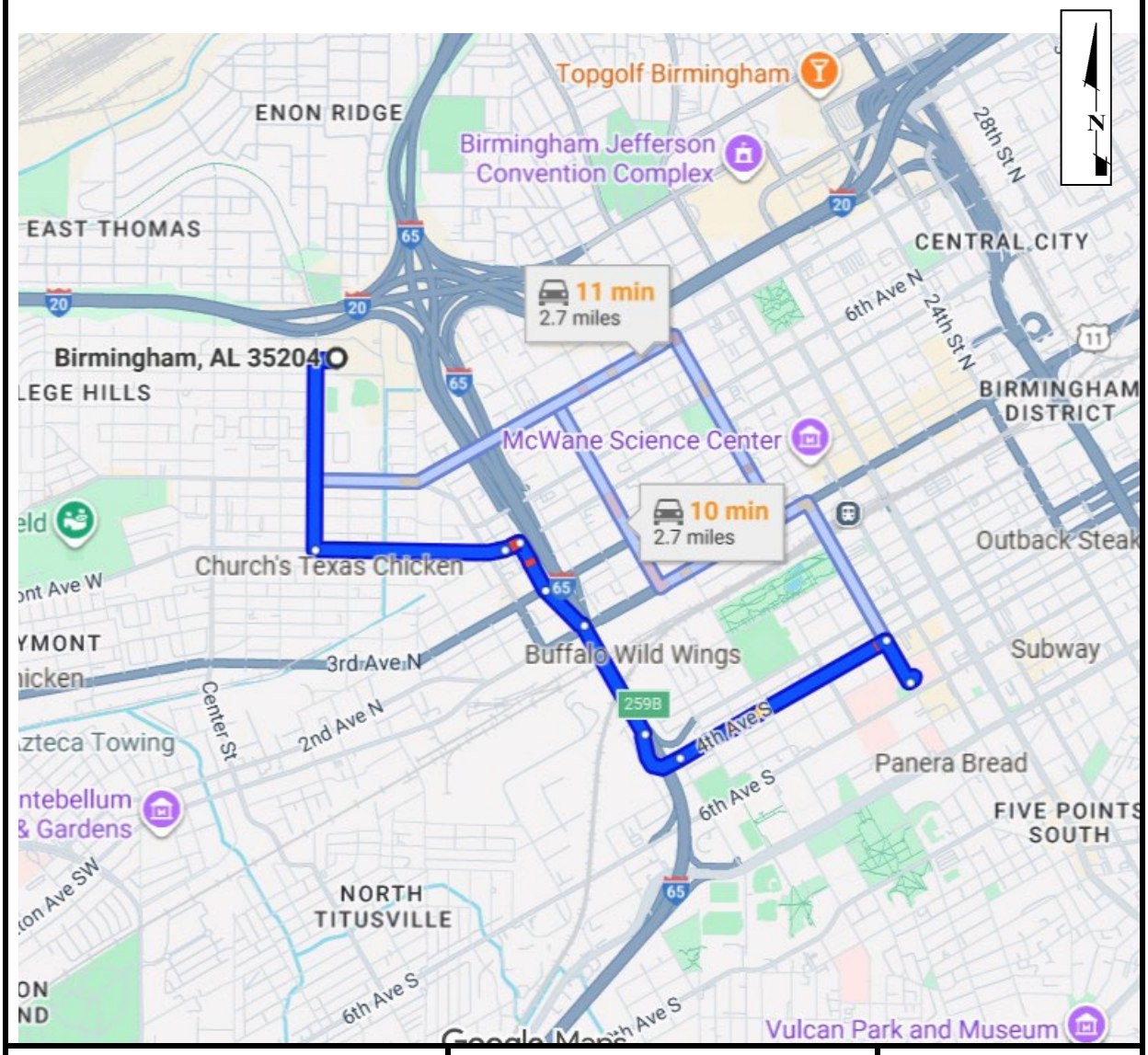
Emergency Contacts	
Fire Department	911 (Emergency)
Police Department	911 (Emergency)

UAB Emergency 1802 6th Avenue South Birmingham, AL 36301	911 (Emergency) (205) 934-3411 (Administrative) (see attached map)

After initial contacts have been made and the situation has stabilized, notify the Site Manager/SSHO, Project Manager, and/or HSM, as appropriate.

Hospital Route Directions

Hospital Route Map



Bhate Environmental Associates, Inc. Environmental Engineers & Scientists	Source: Google Maps HOSPITAL ROUTE MAP Southeast Hospital	Proposed Smithfield Phase II Health and Safety Plan
	Not to Scale	Date 9/26/2025

Activity Hazard Analysis (AHA) – 01

Task: General Site Activities; Site Mobilization and Demobilization		**Project:** Cleanup Plan	**AHA Reviewed by:** Leland Meadows
Minimum Personal Protective Equipment (PPE): Level D PPE		**Location:** Birmingham, AL	**AHA Reviewed date:** 9/26/2025
Activity	**Potential Hazard(s)**	**Control Measures**	
General site activities Mobilization and Demobilization The hazards and control measures presented are applicable to all phases of the project	Slips, trips, or falls on walking and working surfaces	• Maintain clean work areas by following good housekeeping procedures • Be alert for uneven terrain and steep slopes • Wear slip resistant footwear when walking/working on slippery surface • Keep work area free of dirt, grease, slippery materials, debris, and tools • Provide adequate lighting in all work areas	
	Exposure to high noise from heavy equipment and power tools	• Hearing protection will be worn with a noise reduction rating Cleanup Planable of maintaining personal exposure below 85 dBA (ear muffs or plugs); SSHO will determine the need for hearing protection; all equipment will be equipped with manufacturer's required mufflers	
	Eye injury	• Use approved safety glasses with rigid side shields	
	Overhead hazards	• Personnel will be required to wear hard hats that meet ANSI Standard Z89.1 in all construction areas, and areas with overhead hazards	
	Dropped objects	• Steel toe boots meeting ANSI Standard Z41 shall be worn	
	Back injury from lifting heavy loads	• Site personnel will be instructed on proper lifting techniques • Mechanical devices should be used to reduce manual handling of materials • Team lifting should be utilized if mechanical devices are not available	
	Thermal Stressors and other hazards (i.e. heat stress, cold stress)	• Employees will have appropriate clothing for variable weather • Wear long sleeves and long pants, sunscreen with a high SPF on exposed skin • Employees will take breaks and drink plenty of fluids, as necessary, to prevent heat stress alternating between water and Gatorade-type drinks • Wear insect repellant as needed • In cold environments ensure employees remain dry, are provided warming breaks, and are provided warm sweet fluids to ensure proper hydration • Refer to the Corporate HASP for detailed information on heat and cold stress	

AHA – 01 (continued)

Task: General Site Activities; Site Mobilization and Demobilization		**Project:** CLEANUP PLAN	**AHA Reviewed by:** Leland Meadows
Minimum Personal Protective Equipment (PPE): Level D PPE		**Location:** Birmingham, AL	**AHA Reviewed date: 9/26/2025**
Activity	**Potential Hazard(s)**	**Control Measures**	
General site activities Mobilization and Demobilization (continued)	Spills/Fire	• Fuel cans will be NFPA approved and equipped with pouring spout or funnel • Spill and absorbent materials will be readily available • Smoking and open flames are not permitted in fueling/greasing areas • All heavy equipment will be equipped with a ABC type fire extinguishers which will be inspected monthly and documented	
	Vehicular traffic in work area and heavy equipment operation	• Wear reflective traffic vest and cordon off work area • Maintain awareness of vehicle movement in work area and exercise caution when approaching heavy equipment exercise caution when approaching heavy equipment • Equipment will be equipped with functioning back-up alarms, signal lamps and alerting horns • Operators are required to use seat belts • Signs, barricades, flagmen, and/or other traffic control devices will be used to control traffic as necessary • Buckets and attachments shall be placed on the ground if operator is not at the controls or if ground personnel approach; never lift a load over personnel and never walk under a raised load • A documented pre-shift inspection of all mobile equipment must be made on site daily while in use • Keys must be removed from the ignition and vehicle secured when not in use • Only authorized and licensed employees are permitted to operate equipment	
	Inclement weather (Thunderstorms and tornadoes)	• Halt activities immediately and take cover during thunderstorm or tornado warnings, shelter in a building if possible, stay away from windows • Listen to radio announcements for pending weather information • Do not try to outrun a tornado on foot or in a vehicle	

Task: General Site Activities; Site Mobilization and Demobilization		**Project:** CLEANUP PLAN	**AHA Reviewed by:** Leland Meadows
Minimum Personal Protective Equipment (PPE): Level D PPE		**Location:** Birmingham, AL	**AHA Reviewed date: 9/26/2025**
Activity	**Potential Hazard(s)**	**Control Measures**	
General site activities Mobilization and Demobilization (continued)	Electrical	• Ensure ground fault circuit interrupters (GFCI) are used in all outdoor environments, in any areas subject to moisture, and for all temporary power • Ensure all cords and electrical tools are in good repair. Do not attempt to repair a cord with tape; discard damaged cords immediately. Ensure ground prong is in place and insulation is not damaged on all extension cords/equipment. • Ensure breaker boxes, electrical boxes, junction boxes, outlets, have covers in place. Ensure there are no openings where someone can come in contact with live electricals; all knockout holes are covered with proper plugs. • Keep cords and electrical tools out of traffic areas where they may be damaged • Prohibit work on new and existing energized (hot) electrical circuits until all power is shut off and a positive Lockout/Tagout System is in place. ONLY TRAINED ELECTRICIANS ARE PERMITTED TO WORK ON ELECTRICAL CIRCUITRY. • **VIOLATION OF A LOCKOUT TAGOUT REQUIREMENT CAN RESULT IN IMMEDIATE REMOVAL FROM THE JOB SITE AND PROBABLE TERMINATION FROM THE COMPANY AND/OR BAN ON FUTURE BUSINESS FOR SUBCONTRACTORS.**	
Equipment Used	**Inspection Requirements**	**Training Requirements**	
Level D PPE First Aid Kits Fire Extinguishers Eyewash	Weekly inspections will be performed on fire extinguishers Weekly inspections will be performed on first aid kits Informal daily and formal weekly safety inspections will be conducted using the logbook and field forms respectively Equipment inspections will take place each day of use using the appropriate form	Personnel have read and understand the work plan, SSHP and AHAs At least two individuals onsite will have current CPR and First Aid training SSHO to conduct daily safety briefings to cover the hazards related to the tasks at hand All employees involved in the excavation or sampling of contaminated soils shall have 40 hour HAZWOPER training with current refreshers	

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Activity Hazard Analysis (AHA) – 02

Task: Soil Excavation, Soil & Groundwater Sampling, Well installation		**Project:** CLEANUP PLAN	**AHA Reviewed by:** Leland Meadows, CIH, CHMM
Minimum Personal Protective Equipment (PPE): Modified Level D PPE		**Location:** Birmingham, AL	**AHA Reviewed date:** 9/26/2025
Activity	**Potential Hazard(s)**	**Control Measures**	
Soil Excavation, Soil Sampling, (intrusive soil activities) Hazards and recommended controls from AHA – 01 apply	Overhead/buried utilities	• Conduct a utility locate to identify the location of underground utilities in boring locations and complete any required dig permits • Overhead utilities should be considered live until determined otherwise. Maintain a minimum distance of 15 feet from overhead utilities. • All underground utilities must be clearly marked before beginning work • No borings shall be made within a 4 foot "Buffer Zone" of any utility marking	
	Pinch points	• Use leather gloves when handling sharp objects such as well casings and tools • Keep hands and feet clear of moving equipment such as the drill rig or excavation equipment • Stay clear of excavation equipment; establish eye contact with the operator prior to approaching any piece of heavy equipment and never walk behind or in the blind spot of any equipment being operated	
	Excavation and trenching hazards include but are not limited to Cave-in, equipment pinch point/crushing hazards, atmospheric hazards, engulfment, utilities, etc.	• Keep workers away from digging equipment and never allow workers in an excavation when equipment is in use • Keep workers from getting between equipment in use and other obstacles and machinery that can cause crushing hazards • Keep equipment and the excavated dirt (spoils pile) back 2 feet from the edge of the excavation • Keep water out of trenches with a pump or drainage system, and inspect the area for soil movement and potential cave-ins • Keep drivers in the cab and workers away from dump trucks when dirt and other debris are being loaded into them. Don't allow workers under any load and train them to stay clear of the backs of vehicles. • **Based on the scope of work for this project, employees are not permitted to enter the excavation** • **Barricade the work area around the excavation and install danger signs (i.e. Open Pit or Excavation)**	

Activity Hazard Analysis (AHA) – 02

Activity	Potential Hazard(s)	Control Measures
Soil Excavation, Soil Sampling, (intrusive soil activities) Hazards and recommended controls from AHA – 01 apply	Dust	• Use care when installing well materials (sand, bentonite, Portland cement) into monitoring well to prevent dust generation. Position body in an upwind location while from materials; utilize water to suppress dust. • If dust is present use respiratory protection (i.e. air filtering face mask with particulate filter) • Use wet cutting methods for any asphalt or concrete cutting activities
	Spills/Fire	• Spill and absorbent materials will be readily available • Smoking, open flames, or other sources of ignition are not permitted in the work area or any fueling/greasing areas • All heavy equipment will be equipped with a ABC type fire extinguishers which will be inspected monthly and documented • Keep fire extinguishers easy to see and reach in case of an emergency • Provide one fire extinguisher within 100 feet of employees for each 3,000 square feet of building or outdoor work area • Don't store flammable or combustible materials in areas used for stairways or exists • Store gasoline and other flammable liquids in a safety can with flame arrestor outdoors or in an approved flammable cabinet • Don't store LP gas tanks inside buildings • Keep temporary heaters at least 50 feet away from any LP gas container or any other flammable/combustible material • Ensure that leaks or spills of flammable or combustible materials are cleaned up promptly • Oily or solvent soaked rags must be disposed of in a metal self closing safety can and must be emptied and properly disposed of on a daily basis • Ensure %LEL levels are continuously monitored and do not exceed 10% during the soil removal operation

Activity Hazard Analysis (AHA) – 02

Activity	Potential Hazard(s)	Control Measures
	Heavy Equipment Including but not limited to: Flying debris, falling objects, noise, hydraulic failures, unguarded machinery, equipment rollover, movement of large, heavy drilling tools, pinch points, etc.	• Maintain awareness of vehicle movement in work area and exercise caution when approaching heavy equipment • Equipment will be furnished with functioning back-up alarms, signal lamps, and alerting horns • Operators are required to use seat belts • Signs, barricades, flagmen, and/or other traffic control devices will be used to control traffic as necessary • Buckets and attachments shall be placed on the ground if operator is not at the controls or if ground personnel approach • Equipment operators must have necessary training and experience to operate assigned equipment • Equipment must be operated according to manufacturer's instructions using proper attachments and ensuring Cleanup Planacities are not exceeded for the tasks at hand • Never lift a load over personnel and never walk under an elevated load • All equipment must be inspected on a daily basis prior to use to ensure its safe operation; use the drill rig inspection checklist and/or the construction equipment inspection checklist as appropriate • All ground personnel working around heavy equipment must wear highly visible safety vests

Activity Hazard Analysis (AHA) – 02

Activity	Potential Hazard(s)	Control Measures
Soil Excavation, Soil Sampling, (intrusive soil activities)	Exposure to soil or water contaminants	• To the extent feasible, limit contact with subsurface materials • Wear chemical resistant gloves (nitrile inner and outer) when handling soil samples or contaminated equipment • SSHO shall conduct breathing zone monitoring for VOCs with a PID/FID if any odors or visible soil staining are encountered. SSHO may require an upgrade in PPE or modification to work based on monitoring results • Wash hands and face prior to eating or drinking after handling potentially contaminated materials
	Chemical	• Review MSDS prior to using any chemical product onsite; maintain a copy of the MSDS for all onsite chemicals including fuels and oils • Wear appropriate skin protection (nitrile inner and outer gloves) and eye protection (safety glasses or goggles/face shield if splashing is possible) while handling preservative • If splashing is possible wear safety goggles or face shield • Ensure eyewash station is in the immediate area while working with preservative
	Back Injury from Materials Handling	• Use proper lifting techniques • Loads greater than 50 pounds require assistance or mechanical equipment • Prior to lifting, check the load for jagged or sharp edges • Avoid torso twisting motions while handling or moving loads
Equipment Used	**Inspection Requirements**	**Training Requirements**
Modified Level D PPE First Aid Kits Fire Extinguishers Eyewash	Weekly inspections will be performed on fire extinguishers Weekly inspections will be performed on first aid kits Informal daily and formal weekly health and safety inspections Equipment used shall be inspected daily using the appropriate inspection checklist	Personnel have read and understand the work plan, SSHP and AHAs At least two individuals onsite will have current CPR and First Aid training SSHO to conduct daily safety briefings to cover the hazards related to the tasks at hand All employees involved in the excavation or sampling of contaminated soils shall have 40 hour HAZWOPER training with current refreshers

Activity Hazard Analysis (AHA) - 03

Activity	Potential Hazard(s)	Control Measures
Equipment Used	**Inspection Requirements**	**Training Requirements**
Modified Level D PPE First Aid Kits Fire Extinguishers Eyewash	Weekly inspections will be performed on fire extinguishers Weekly inspections will be performed on first aid kits Informal daily and formal weekly health and safety inspections Equipment used shall be inspected daily using the appropriate inspection checklist	Personnel have read and understand the work plan, SSHP and AHAs At least two individuals onsite will have current CPR and First Aid training SSHO to conduct daily safety briefings to cover the hazards related to the tasks at hand All employees involved in the excavation or sampling of contaminated soils shall have 40 hour HAZWOPER training with current refreshers

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Properties of the Primary Contaminants of Concern

Contaminant	PEL	TLV	Route(s) of Exposure	Signs and Symptoms of Exposure		Target Organs	IP (eV)	Specific Gravity	VP (mm Hg)	Flash Point °F	LEL %	UEL %
				Acute	Chronic							
Benzo (a) pyrene	0.2 mg/m^3	0.05 mg/m^3	Inhalation Ingestion Contact	Allergic skin reaction	May cause birth defects and cancer	Skin irritant, lung, kidney, liver, stomach, reproductive organ, throat	NA	NA	75	48.2	NA	NA

Notes:
NA = Not Applicable
IP = Ionization Potential
eV = Electron volt
LEL = Lower Explosive Limit
UEL = Upper Explosive Limit
PEL = Permissible Exposure Limit
STEL = Short-term Exposure Limit
TLV = Threshold Limit Value
mg/m^3 = milligrams per cubic meter of air
ppm = parts per million
GI = Gastrointestinal Tract
CNS = Central Nervous System
VP = Vapor Pressure
mm Hg = millimeters of mercury

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