

**PROJECT SPECIAL PROVISIONS
GEOENVIRONMENTAL**

CONTAMINATED SOIL (7/1/2022)

The Contractor's attention is directed to the fact that soil contaminated with petroleum hydrocarbon compounds may exist within the project area. The suspected areas of contamination are indicated on corresponding plans sheets. Information relating to these contaminated areas, sample locations, and investigation reports will be available at the following web address by navigating to the correct letting year and month then selecting, "Plans and Proposals", "U-6018", "Individual Sheets/520 GeoEnvironmental":

<http://dotw-xfer01.dot.state.nc.us/dsplan/>

Petroleum contaminated soil may be encountered during any earthwork activities on the project. The Contractor shall only excavate those soils that the Engineer designates necessary to complete a particular task. The Engineer shall determine if soil is contaminated based on areas shown on the plans, petroleum odors, and unusual soil staining. Contaminated soil not required to be excavated is to remain in place and undisturbed. Undisturbed soil shall remain in place, whether contaminated or not. The Contractor shall transport all contaminated soil excavated from the project to a facility licensed to accept contaminated soil.

In the event that a stockpile is needed, the stockpile shall be created within the property boundaries of the source material and in accordance with the Diagram for Temporary Containment and Treatment of Petroleum-Contaminated Soil per North Carolina Department of Environmental Quality's (NCDEQ) Division of Waste Management UST Section GUIDELINES FOR EX SITU PETROLEUM CONTAMINATED SOIL REMEDIATION. If the volume of contaminated material exceeds available space on site, the Contractor shall obtain a permit from the NCDEQ UST Section's Regional Office for off-site temporary storage. The Contractor shall provide copies of disposal manifests completed per the disposal facilities requirements and weigh tickets to the Engineer.

Measurement and Payment:

The quantity of contaminated soil hauled and disposed of shall be the actual number of tons of material, which has been acceptably transported and weighed with certified scales as documented by disposal manifests and weigh tickets. The quantity of contaminated soil, measured as provided above, shall be paid for at the contract unit price per ton for "Hauling and Disposal of Petroleum Contaminated Soil".

The above price and payment shall be full compensation for all work covered by this section, including, but not limited to stockpiling, loading, transportation, weighing, laboratory testing, disposal, equipment, decontamination of equipment, labor, and personal protective equipment.

Payment shall be made under:

Pay Item

Hauling and Disposal of Petroleum Contaminated Soil

Pay Unit

Ton





July 8, 2021

Kleinfelder File No. RAL21R127733

Mr. John L. Pilipchuk, LG., PE
North Carolina Department of Transportation
State Geotechnical Engineer
Geotechnical Engineering Unit
1589 Mail Service Center
Raleigh, North Carolina 27699-1589

**SUBJECT: GeoEnvironmental Phase II Investigation Report
Parcel 007, Smith & Shore Oil Co.
Guilford County Parcel 7729124152
WBS Element No. 47163.1.1, TIP No. U-6018
NC 62 at SR 1154 (Kersey Valley Road) and SR 1162 (Weant Road) at I- 85
Interchange
Kleinfelder Project No. 20210353.001A**

Dear Mr. Pilipchuk,

Kleinfelder is pleased to provide its report detailing the activities conducted as part of the GeoEnvironmental Phase II Investigation for the subject project.

Kleinfelder appreciates the opportunity to be of service to you. Should you have questions or require additional information, please do not hesitate to contact the undersigned.

Sincerely,
KLEINFELDER, INC.

Abigail R. Shurtleff
Staff Professional II

Michael J Burns, PG
Environmental Program Manager

ARS/MJB:asp

U-6018-P007
20220745.001A | RAL21R127733
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1128 Liberty Road
July 8, 2020
www.kleinfelder.com



**GEOENVIRONMENTAL PHASE II INVESTIGATION REPORT
PARCEL 007, SMITH & SHORE OIL CO.**

PIN 7729124152

1128 LIBERTY ROAD

ARCHDALE, GUILFORD COUNTY, NORTH CAROLINA

WBS ELEMENT NO. 47163.1.1, TIP NO. U-6018

GUILFORD COUNTY

**NC 62 AT SR 1154 (KERSEY VALLEY ROAD) AND SR 1162
(WEANT ROAD) AT I- 85 INTERCHANGE**

KLEINFELDER PROJECT NO. 20220745.001A

JULY 8, 2021

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PROJECT FOR WHICH THIS REPORT WAS PREPARED.**

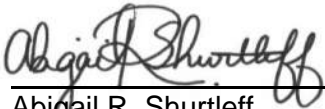
A Report Prepared for:

Mr. John L. Pilipchuk, LG., PE
North Carolina Department of Transportation
State Geotechnical Engineer
Geotechnical Engineering Unit
1589 Mail Service Center
Raleigh, North Carolina 27699-1589

**GEOENVIRONMENTAL PHASE II INVESTIGATION REPORT
PARCEL 007, SMITH & SHORE OIL CO.
PIN 7729124152
1128 LIBERTY ROAD
ARCHDALE, GUILFORD COUNTY, NORTH CAROLINA**


**WBS ELEMENT NO. 47163.1.1, TIP NO. U-6018
GUILFORD COUNTY
NC 62 AT SR 1154 (KERSEY VALLEY ROAD) AND SR 1162 (WEANT ROAD) AT I- 85
INTERCHANGE**

Prepared by:



Abigail R. Shurtleff
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Reviewed by:



Michael J. Burns, PG
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July 8, 2021

Kleinfelder Project No. 20220745.001A

PRELIMINARY SITE ASSESSMENT REPORT

Site Name and Location: Parcel 007
1128 Liberty Road
Archdale, Guilford County, North Carolina

Latitude and Longitude: 35.923034° N, -79.940715° W

County Parcel Number 7729124152

Facility ID Number: 00-0-0000032669

Leaking UST Incident: N/A

State Project No.: U-6018

NCDOT Project No.: NCDOT WBS Element 47163.1.1

Description: NC 62 At Sr 1154 (Kersey Valley Road) And Sr 1162 (Weant Road) At I- 85 Interchange

Date of Report: July 8, 2021

Consultant: Kleinfelder, Inc.
3200 Gateway Center Boulevard | Suite 100
Morrisville, North Carolina 27560
Corporate Geology License No. C-521
Corporate Licensure for Engineering F-1312

SEAL AND SIGNATURE OF CERTIFYING LICENSED GEOLOGIST

I, Michael J Burns, a Licensed Geologist for Kleinfelder, Inc., do certify that the information contained in this report is correct and accurate to the best of my knowledge.

Michael J Burns, LG
NC License No. 1645



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**GEOENVIRONMENTAL PHASE II INVESTIGATION REPORT
PARCEL 007, SMITH & SHORE OIL CO.
PIN 7729124152
1128 LIBERTY ROAD
ARCHDALE, GUILFORD COUNTY, NORTH CAROLINA**

**WBS ELEMENT NO. 47163.1.1, TIP NO. U-6018
GUILFORD COUNTY
NC 62 AT SR 1154 (KERSEY VALLEY ROAD) AND SR 1162 (WEANT ROAD) AT I- 85
INTERCHANGE**

1 INTRODUCTION

Kleinfelder, Inc. (Kleinfelder) has prepared this GeoEnvironmental Phase II Investigation report to document assessment activities performed on Parcel 007 (the assessment area is hereafter referred to as the “Project Study Area”). The Project Study Area consists of a parcel that is within the right of way and/or easement on Guilford County Tax Assessor’s Office Parcel Number 7729124152. Parcel 007 is currently occupied by BP Gasoline Station, a retail gasoline service station, convenience store, and a former car wash. Parcel 007 is located at 1128 Liberty Road, on the south side of Liberty Road about 800 feet west of the Interstate 85 entrance/exit ramp, in the City of Archdale, Guilford County, North Carolina (Figure 1).

Based on information provided in the Phase I GeoEnvironmental Report, dated August 18, 2018, prepared by Kleinfelder, the parcel was reported to be an active convenience store & gas station with four (4) underground storage tanks (USTs) currently in use. The parcel did not appear on the UST Section incident database. As such, the purpose of the PSA was to evaluate whether unknown USTs or contaminated soil are present in the Project Study Area that may result in increased project costs and future liability if acquired by the NCDOT.

1.1 SITE DESCRIPTION

Parcel 007 has a listed owner of Smith & Shore Oil Co. The parcel has a listed street address of 1128 Liberty Road. The parcel consists of an active BP retail gasoline service station, convenience store, and a former car wash. The parcel is bounded by Liberty Road to the north, beyond which is forested land and a residential home; forested land to the south and west; and a gravel and earthen parking area for equipment apparently associated with the U-6018 construction to the east.

1.2 SCOPE OF WORK

Kleinfelder conducted this PSA in accordance with the NCDOT's May 3, 2021, Request for Technical and Cost Proposal (RFP) and Kleinfelder's May 10, 2021, Technical and Cost Proposal. The NCDOT granted a formal Notice to Proceed on May 19, 2021.

2 HISTORY

2.1 PARCEL USAGE

The parcel consists of a BP gasoline station, a retail gasoline service station, convenience store, and a former car wash.

The August 7, 2018, GeoEnvironmental Hazardous Materials Survey (Phase I) included information about reported USTs on the property. There are reportedly four (4) USTs currently in use.

Kleinfelder conducted historical research to determine whether additional environmental listings were identified for Parcel 007. The following are the results of the additional research:

- Based on a review of aerial photographs and historical databases, the site has been developed in a similar configuration to present day since construction in 1992.
- Kleinfelder searched the registered UST database, maintained by the North Carolina Department of Environmental Quality (NCDEQ). The site was listed as Facility ID 00-0-0000032669, which operates four (4) USTs: three 10,000-gallon gasoline tanks, and one 6,000-gallon diesel fuel tank.
- No other listings for Parcel 007 were identified on any of the available NCDEQ pollution incident databases.

2.2 FACILITY ID NUMBERS

Kleinfelder reviewed the NCDEQ UST database for Parcel 007. The parcel was identified as having four (4) active USTs and is listed as Facility ID: 00-0-0000032669.

2.3 GROUNDWATER INCIDENT NUMBERS

No groundwater incidents are known to be associated with Parcel 007 at this time.

3 OBSERVATIONS

3.1 GROUNDWATER MONITORING WELLS

No groundwater monitoring wells were observed on parcel 007 at the time of the geophysical survey or subsurface assessment.

3.2 ACTIVE USTS

Based on review of the NCDEQ UST database, site visits and previous reports, there are four (4) USTs currently located on site, three 10,000-gallon gasoline tanks, and one 6,000-gallon diesel fuel tank, all of which are currently in operation.

3.3 OTHER FEATURES APPARENT BEYOND PROJECT STUDY AREA

The Project Study Area consisted of the right of way and easement of Liberty Road in the northern portion of the parcel. There were no features of concern observed in other portions of the parcel beyond the Project Study Area. The UST basin for the gasoline station is located south of the convenience store building, about 110 feet from the closest point of the right a way and/or easement.

4 METHODS

4.1 PROPERTY OWNER CONTACTS

As part of Kleinfelder's scope of work, the listed property owner was contacted about the work schedule for the field work and the type of work being performed. The owner did not express any concern or special conditions associated with the work being performed.

4.2 HEALTH AND SAFETY

Prior to commencing the field work, Kleinfelder personnel developed a Site-Specific Health and Safety Plan (HASP) covering activities to be performed. The site-specific HASP was discussed with all Kleinfelder personnel involved with the project and at a daily on-site "tail gate" safety meetings with subcontractors and sub consultants. In addition to the HASP, Kleinfelder utilized its comprehensive Corporate Health and Safety Program, targeted to address those specific and critical tasks that involve Kleinfelder personnel and subcontractors. The Loss Prevention System (LPS™), a behavior-based program, is Kleinfelder's company-wide safety system implemented and embraced by all levels of the company.

4.3 GEOPHYSICAL INVESTIGATION

Pyramid Environmental & Engineering, P.C (Pyramid) conducted a geophysical investigation in the grass area in the southern portion of the parcel on June 2, 2021. Pyramid utilized electromagnetic (EM) induction technology and ground penetrating radar (GPR) to locate potential geophysical anomalies and potential USTs within the grass area.

There were no EM or GPR responses that were not associated with known/suspected utilities, overhead power line interference, vehicles, or reinforced concrete. No evidence of unknown metallic USTs or buried potential sources of contamination was discovered within the grassy area in the Project Study Area.

A copy of the Pyramid Geophysical Results, detailing the field methodology, is included in Appendix A.

4.4 SOIL ASSESSMENT

The scope of work for the soil assessment was to evaluate the presence of soil contamination along the existing right of way and/or easement to evaluate whether known impact is present in this area and maybe migrating into the Project Study Area. The soil borings were planned to be advanced to maximum depths of 12 feet below the ground surface (bgs) unless groundwater was

encountered. The maximum depth of 12 feet bgs was selected to evaluate subsurface conditions at least one foot below the assumed bottom of the USTs. Field screening using a photo ionization detector (PID) was to be conducted at 1-foot intervals beginning at 0 foot to 1 foot. The soil sample with the highest PID reading above background or the sample from the maximum drilled depth/anticipated work depth would be selected for on-site laboratory analyses.

Prior to the drilling activities, public utilities were marked by NC One Call and private utilities were marked by Pyramid.

Kleinfelder subcontracted Quantex Environmental Drilling (Quantex) to perform the drilling on-site on June 14, 2021. Quantex advanced seven (7) soil borings (B1 through B7) by direct-push technology at locations specified by Kleinfelder. The soil boring locations were identified in the field using a GPS. The soil boring locations are shown on Figure 2.

Soil samples were collected by driving Macro Core™ samplers in 5-foot intervals to boring termination via direct push technology. Each soil core was cut open, the soil samples were classified, and the soil was divided into 1-foot sections. Each 1-foot section was screened in the field using a PID. The PID readings are summarized in Table 1.

Soils were determined to be primarily a clayey silt or silty with interlayers sandy clay underlain primarily by partially weathered rock (PWR). PWR was encountered at 10 feet bgs in soil boring P7-B5 and at 12 feet bgs in soil boring P7-B7. Groundwater was not encountered in any of the borings at the termination depth of 12 feet bgs (13 feet bgs in soil boring P7-B7). Copies of the boring logs are included in Appendix B.

4.5 SOIL ANALYSIS

The PID readings from soil borings advanced were noted to be low. Based on the PID data and visual observations, one to three of the samples from each boring were selected for on-site laboratory analysis.

The samples were analyzed by RED Lab, LLC utilizing ultraviolet fluorescence (UVF) methodology to provide real-time analytical results of Total Petroleum Hydrocarbons (TPH), Gasoline Range Organics (GRO), Diesel Range Organics (DRO), and benzene, toluene, ethylbenzene, and total xylenes (BTEX). The UVF method was selected because of the known current and historical use of petroleum products on Parcel 007. The UVF analysis also provided

data regarding Environmental Protection Agency 16 total Polycyclic Aromatic Hydrocarbons (PAHs), and Benzo(a)pyrene (BaP).

5 RESULTS

5.1 GEOPHYSICAL INVESTIGATION

The EM and GPR surveys did not identify EM or GPR responses that were not associated with known/suspected utilities, overhead power line interference, vehicles, or reinforced concrete. No evidence of metallic USTs was discovered within the Project Study Area.

5.2 SOIL SAMPLING DATA

The UVF analysis of soil samples did not indicate the presence of petroleum impact above the NCDEQ TPH DRO/GRO Action Levels in the soil sample analyzed from any of the soil borings.

A summary of soil sample analytical results is presented in Table 2. The laboratory results associated with each boring are presented on Figure 2. The laboratory report and graphs are included in Appendix C.

5.3 SAMPLE OBSERVATIONS

Soils were observed for any obvious evidence of contamination. No visual or olfactory evidence of contamination was detected in any of the other soil samples from the borings.

5.4 QUANTITY CALCULATIONS

Kleinfelder did not identify soil impact in the current right of way or easement at the time of our field work.

6 CONCLUSIONS

Based on results of the EM/GPR survey, soil assessment and field observations, Kleinfelder has reached the following conclusions:

- There were no EM or GPR responses that were not associated with known/suspected utilities, overhead power line interference, vehicles, or reinforced concrete. No evidence of unknown metallic USTs or buried potential sources of contamination was discovered within the grassy area in the Project Study Area.
- The site is listed in the NCDEQ UST database as Facility ID 00-0-0000032669, which operates four (4) USTs: three 10,000-gallon gasoline tanks, and one 6,000-gallon diesel fuel tank.
- Petroleum-contaminated soils above the NCDEQ Action Levels for TPH GRO and DRO were not detected.
- Groundwater was not encountered in the soil borings at a depth of 12-13 feet bgs.
- There was no soil impact within the explored depth that would require special handling or disposal at a permitted facility.

7 RECOMMENDATIONS

Based on results of this Phase II GeoEnvironmental Assessment (Preliminary Site Assessment), Kleinfelder does not recommend additional sampling and special handling of soils be within the Project Study Area on Parcel 007 in Archdale, Guilford County, North Carolina.

8 LIMITATIONS

Kleinfelder's work will be performed in a manner consistent with that level of care and skill ordinarily exercised by other members of its profession practicing in the same locality, under similar conditions and at the date the services are provided. Kleinfelder's conclusions, opinions and recommendations will be based on a limited number of observations and data. It is possible that conditions could vary between or beyond the data evaluated. Kleinfelder makes no guarantee or warranty, express or implied, regarding the services, communication (oral or written), report, opinion, or instrument of service provided.

Kleinfelder offers various levels of investigative and engineering services to suit the varying needs of different clients. It should be recognized that definition and evaluation of geologic and environmental conditions are a difficult and inexact science. Judgments leading to conclusions and recommendations are generally made with incomplete knowledge of the subsurface conditions present due to the limitations of data from field studies. Although risk can never be eliminated, more detailed and extensive studies yield more information, which may help understand and manage the level of risk. Since detailed study and analysis involves greater expense, Kleinfelder's clients participate in determining levels of service that provide adequate information for their purposes at acceptable levels of risk. More extensive studies, including subsurface studies or field tests, should be performed to reduce uncertainties. Acceptance of this report will indicate that NCDOT has reviewed the document and determined that it does not need or want a greater level of service than provided.

During the course of the performance of Kleinfelder's services, hazardous materials may have been discovered. Kleinfelder assumes no responsibility or liability whatsoever for any claim, loss of property value, damage, or injury that results from pre-existing hazardous materials being encountered or present on the project site, or from the discovery of such hazardous materials. Nothing contained in this report should be construed or interpreted as requiring Kleinfelder to assume the status of an owner, operator, or generator, or person who arranges for disposal, transport, storage or treatment of hazardous materials within the meaning of any governmental statute, regulation or order. NCDOT is solely responsible for directing notification of all governmental agencies, and the public at large, of the existence, release, treatment or disposal of any hazardous materials observed at the project site, either before or during performance of

Kleinfelder's services. NCDOT is responsible for directing all arrangements to lawfully store, treat, recycle, dispose, or otherwise handle hazardous materials, including cuttings and samples resulting from Kleinfelder's services.

TABLES

Table 1: Soil Sample Screening Results

Date	Sample ID	Depth (ft)	PID Reading	Notes
6/14/2021	P7-B1	1	0.0	
		2	0.0	
		3	0.0	
		4	0.0	
		5	2.4	UVF Analysis
		6	1.0	UVF Analysis
		7	0.5	
		8	0.7	
		9	0.3	
		10	0.8	
		11	0.5	
		12	0.2	
6/14/2021	P7-B2	1	0.0	
		2	0.0	
		3	0.0	
		4	0.0	
		5	0.3	
		6	0.7	
		7	0.2	
		8	1.6	UVF Analysis
		9	2.0	UVF Analysis
		10	0.5	
		11	0.3	
		12	0.0	
6/14/2021	P7-B3	1	0.0	
		2	0.0	
		3	0.0	
		4	0.0	
		5	0.0	
		6	0.0	
		7	0.0	
		8	0.1	UVF Analysis
		9	0.0	
		10	0.1	UVF Analysis
		11	0.0	
		12	0.0	
6/14/2021	P7-B4	1	0.0	UVF Analysis
		2	0.0	
		3	0.0	
		4	0.0	
		5	0.0	
		6	0.0	
		7	0.0	
		8	0.0	
		9	0.1	
		10	0.3	UVF Analysis
		11	0.0	
		12	0.0	

6/14/2021	P7-B5	1	0.0	
		2	0.0	
		3	0.0	
		4	0.0	
		5	0.0	UVF Analysis
		6	0.0	
		7	0.0	
		8	0.0	
		9	0.0	
		10	0.0	UVF Analysis
6/14/2021	P7-B6	1	0.0	
		2	0.0	
		3	0.0	UVF Analysis
		4	0.0	
		5	0.0	
		6	0.0	
		7	0.0	
		8	0.0	
		9	0.1	
		10	0.2	UVF Analysis
		11	0.0	
		12	0.0	
6/14/2021	P7-B7	1	0.0	
		2	0.2	UVF Analysis
		3	0.1	UVF Analysis
		4	0.0	
		5	0.0	
		6	0.0	
		7	0.0	
		8	0.0	
		9	0.0	
		10	0.0	
		11	0.0	
		12	0.0	
		13	0.0	UVF Analysis

Notes:

1) PID = Photoionization Detector

2) PID readings in parts per million (ppm)

3) UVF = Ultraviolet Fluorescence

TABLE 2: Soil Sample Analytical Summary

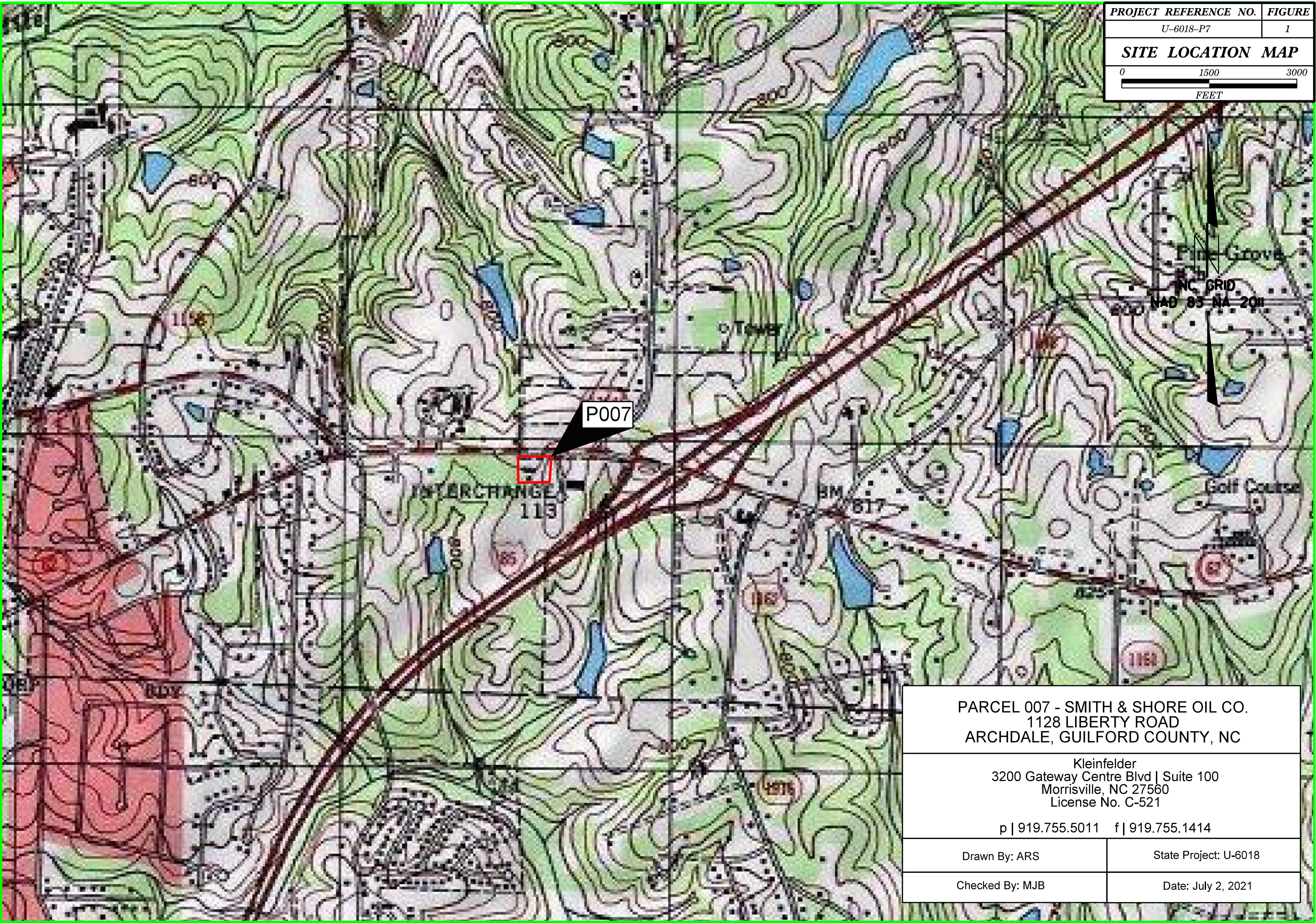
Parameter	Analytical Results										Comparison Criteria
	Soil Sample Results										
Sample ID	B1-5	B1-6	B2-8	B2-9	B3-8	B3-10	B4-1	B4-10	B5-5	B5-10	State Action Level
PID Reading (ppm)	2.4	1.0	1.6	2.0	0.1	0.1	0.0	0.3	0.0	0.0	
Collection Depth (ft bgs)	5	6	8	9	8	10	1	10	5	10	
Collection Date	6/14/21	6/14/21	6/14/21	6/14/21	6/14/21	6/14/21	6/14/21	6/14/21	6/14/21	6/14/21	
UVF Method											
Diesel Range Organics	3.3	0.08	<0.17	<0.21	1.7	1.7	0.16	<0.6	0.31	<0.1	100
Gasoline Range Organics	<0.5	<0.4	<0.4	<0.5	<0.5	<0.4	<0.5	<0.24	<0.4	<0.25	50

Parameter	Analytical Results				Comparison Criteria
	Soil Sample Results				
Sample ID	B6-10	B7-2	B7-3	B7-13	State Action Level
PID Reading (ppm)	0.2	0.2	0.1	0.0	
Collection Depth (ft bgs)	10	2	3	13	
Collection Date	6/14/21	6/14/21	6/14/21	6/14/21	
UVF Method					
Diesel Range Organics	2.6	0.4	<0.22	2	100
Gasoline Range Organics	<0.4	<0.5	<0.5	<0.4	50

Notes:

Results displayed in milligrams per kilogram (mg/kg)
ft bgs = Feet below ground surface
Bold = Above Laboratory Detection Level
Highlighted concentrations exceed the NCDEQ action leve
UVF = Ultraviolet Fluorescence

FIGURES



PROJECT REFERENCE NO.	FIGURE
U-6018-P7	1
SITE LOCATION MAP	
0 1500 3000 FEET	

PARCEL 007 - SMITH & SHORE OIL CO. 1128 LIBERTY ROAD ARCHDALE, GUILFORD COUNTY, NC	
Kleinfelder 3200 Gateway Centre Blvd Suite 100 Morrisville, NC 27560 License No. C-521 p 919.755.5011 f 919.755.1414	
Drawn By: ARS	State Project: U-6018
Checked By: MJB	Date: July 2, 2021

APPENDIX A

GEOPHYSICAL SURVEY REPORT



PYRAMID GEOPHYSICAL SERVICES
(PROJECT 2021-150)

GEOPHYSICAL SURVEY

METALLIC UST INVESTIGATION: PARCEL 7 NCDOT PROJECT U-6018

1128 Liberty Road, Archdale, NC

June 18, 2021

Report prepared for: Michael Burns, P.G.
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3500 Gateway Centre Blvd., Suite 100
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Prepared by: _____

A handwritten signature in black ink, appearing to read "E. Cross".

Eric C. Cross, P.G.
NC License #2181

Reviewed by: _____

A handwritten signature in black ink, appearing to read "Doug Canavella".

Douglas A. Canavella, P.G.
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C257: GEOLOGY

C1251: ENGINEERING

GEOPHYSICAL INVESTIGATION REPORT
Parcel 7 – 1128 Liberty Road
Archdale, North Carolina

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- Figure 4 – Overlay of Metal Detection Results on NCDOT Engineering Plans

Appendices

- Appendix A – GPR Transect Images

LIST OF ACRONYMS

CADD	Computer Assisted Drafting and Design
DF	Dual Frequency
EM.....	Electromagnetic
GPR.....	Ground Penetrating Radar
GPS	Global Positioning System
NCDOT.....	North Carolina Department of Transportation
ROW	Right-of-Way
UST	Underground Storage Tank

EXECUTIVE SUMMARY

Project Description: Pyramid Environmental (Pyramid) conducted a geophysical investigation for Kleinfelder, Inc. (Kleinfelder) at Parcel 7, located at 1128 Liberty Road, in Archdale, NC. The survey was part of an NCDOT Right-of-Way (ROW) investigation (NCDOT Project U-6018). The survey was designed to extend from the existing edge of pavement into the proposed ROW and/or easements, whichever distance was greater. Conducted on June 2, 2021, the geophysical investigation was performed to determine if unknown, metallic underground storage tanks (USTs) were present beneath the survey area.

Geophysical Results: The geophysical investigation consisted of electromagnetic (EM) induction-metal detection and ground penetrating radar (GPR) surveys. A total of nine EM anomalies were identified. All of the EM anomalies were directly attributed to visible cultural features at the ground surface. The GPR survey confirmed that no unknown buried structures were present in the vicinity of areas of metallic interference associated with vehicles and reinforced concrete. Collectively, the geophysical data did not record any evidence of metallic USTs within the survey area at Parcel 7. The known USTs servicing the facility were located outside of the survey area.

INTRODUCTION

Pyramid Environmental conducted a geophysical investigation for Kleinfelder, Inc. at Parcel 7, located at 1128 Liberty Road, in Archdale, NC. The survey was part of an NCDOT Right-of-Way (ROW) investigation (NCDOT Project U-6018). The survey was designed to extend from the existing edge of pavement into the proposed ROW and/or easements, whichever distance was greater. Conducted on June 2, 2021, the geophysical investigation was performed to determine if unknown, metallic underground storage tanks (USTs) were present beneath the survey area.

The site included a service station surrounded by concrete, asphalt, and grass surfaces. The known USTs servicing the facility were located outside of the survey area. An aerial photograph showing the survey area boundaries and ground-level photographs are shown in **Figure 1**.

FIELD METHODOLOGY

The geophysical investigation consisted of electromagnetic (EM) induction-metal detection and ground penetrating radar (GPR) surveys. Pyramid collected the EM data using a Geonics EM61-MK2 (EM61) metal detector integrated with a Geode External GPS/GLONASS receiver. The integrated GPS system allows the location of the instrument to be recorded in real-time during data collection, resulting in an EM data set that is geo-referenced and can be overlain on aerial photographs and CADD drawings. A boundary grid was established around the perimeter of the site with marks every 10 feet to maintain orientation of the instrument throughout the survey and assure complete coverage of the area.

According to the instrument specifications, the EM61 can detect a metal drum down to a maximum depth of approximately 8 feet. Smaller objects (1-foot or less in size) can be detected to a maximum depth of 4 to 5 feet. The EM61 data were digitally collected at approximately 0.8-foot intervals along north-south trending or east-west trending,

generally parallel survey lines, spaced five feet apart. The data were downloaded to a computer and reviewed in the field and office using the Geonics NAV61 and Surfer for Windows Version 15.0 software programs.

GPR data were acquired across select EM anomalies on June 2, 2021, using a Geophysical Survey Systems, Inc. (GSSI) SIR 4000 controller equipped with a 350 MHz HS antenna. Data were collected both in reconnaissance fashion as well as along formal transect lines across EM features. The GPR data were viewed in real-time using a vertical scan of 512 samples, at a rate of 32 scans per second. GPR data were viewed down to a maximum depth of approximately 6 feet, based on dielectric constants calculated by the SIR 4000 unit in the field during the reconnaissance scans. GPR transects across specific anomalies were saved to the hard drive of the SIR 4000 unit for post-processing and figure generation.

Pyramid's classifications of USTs for the purposes of this report are based directly on the geophysical UST ratings provided by the NCDOT. These ratings are as follows:

Geophysical Surveys for Underground Storage Tanks on NCDOT Projects			
High Confidence	Intermediate Confidence	Low Confidence	No Confidence
Known UST Active tank - spatial location, orientation, and approximate depth determined by geophysics.	Probable UST Sufficient geophysical data from both magnetic and radar surveys that is characteristic of a tank. Interpretation may be supported by physical evidence such as fill/vent pipe, metal cover plate, asphalt/concrete patch, etc.	Possible UST Sufficient geophysical data from either magnetic or radar surveys that is characteristic of a tank. Additional data is not sufficient enough to confirm or deny the presence of a UST.	Anomaly noted but not characteristic of a UST. Should be noted in the text and may be called out in the figures at the geophysicist's discretion.

DISCUSSION OF RESULTS

Discussion of EM Results

A contour plot of the EM61 results obtained across the survey area at the property is presented in **Figure 2**. Each EM anomaly is numbered for reference in the figure. The following table presents the list of EM anomalies and the cause of the metallic response, if known:

LIST OF METALLIC ANOMALIES IDENTIFIED BY EM SURVEY

Metallic Anomaly #	Cause of Anomaly	Investigated with GPR
1	Reinforced Concrete	✓
2	Lights/Poles	
3	Reinforced Concrete	✓
4	Drop Inlets	
5	Sign	
6	Reinforced Concrete	✓
7	Vacuum	
8	Vehicles	✓
9	Storm Drain Pipe	

All of the EM anomalies were directly attributed to visible cultural features at the ground surface, including reinforced concrete, lights, poles, drop inlets, a sign, a vacuum station, vehicles, and a storm drain pipe. GPR was performed across the areas containing reinforced concrete and around the vehicles to verify that the metallic interference associated with these areas did not obscure any buried structures such as USTs.

Discussion of GPR Results

Figure 3 presents the locations of the formal GPR transects performed at the property, as well as select transect images. All of the transect images are included in **Appendix A**. A total of fourteen GPR transects were performed at the site. None of the GPR transects recorded any evidence of significant buried structures. Collectively, the geophysical data did not record any evidence of metallic USTs within the survey area at Parcel 7. **Figure 4** provides an overlay of the geophysical metal detection results onto the NCDOT MicroStation engineering plans for reference.

SUMMARY & CONCLUSIONS

Pyramid's evaluation of the EM61 and GPR data collected at Parcel 7 in Archdale, North Carolina, provides the following summary and conclusions:

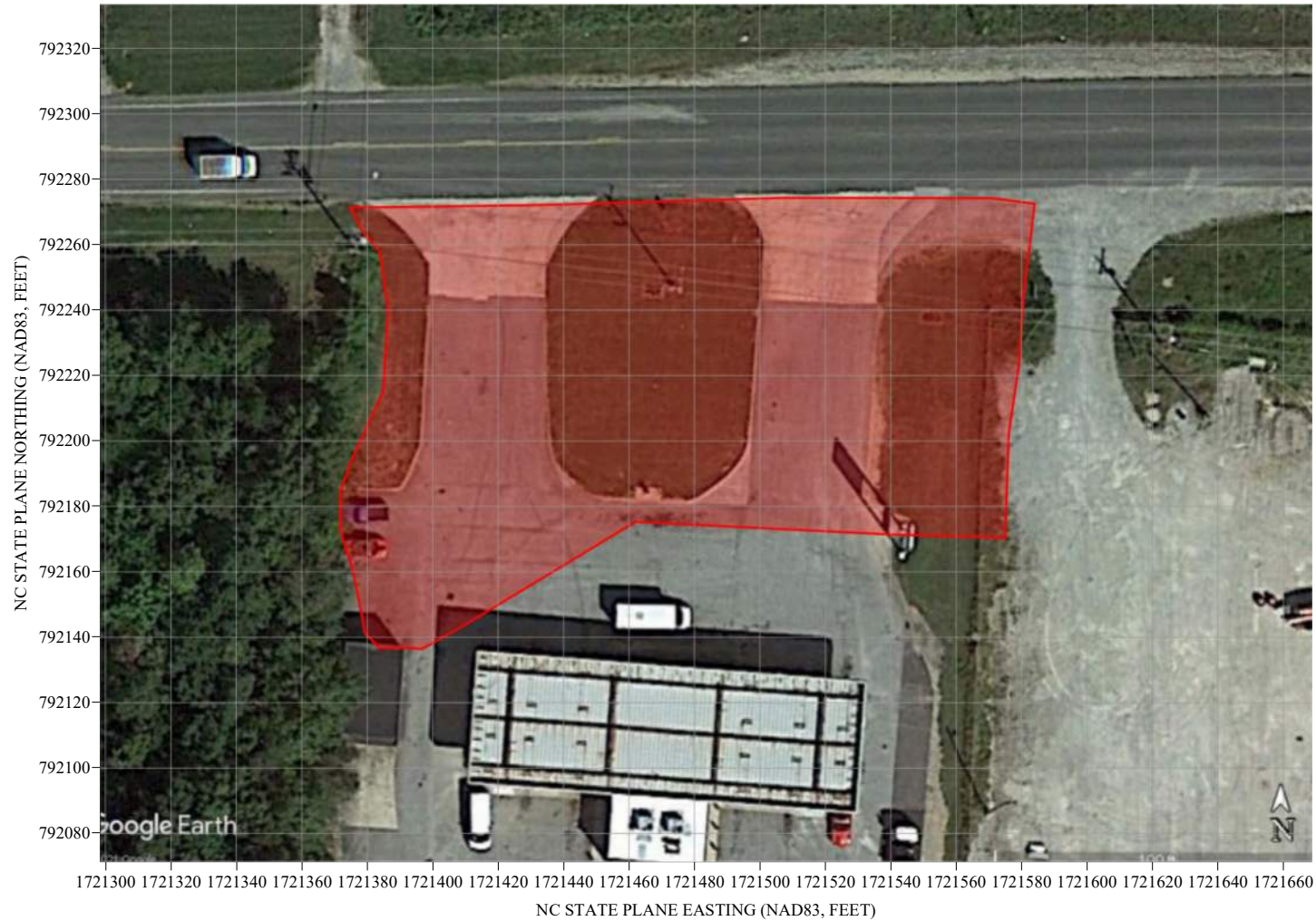
- The EM61 and GPR surveys provided reliable results for the detection of metallic

- USTs within the accessible portions of the geophysical survey area.
- All of the EM anomalies were directly attributed to visible cultural features at the ground surface.
 - The GPR survey confirmed that no unknown buried structures were present in the vicinity of areas of metallic interference associated with vehicles and reinforced concrete.
 - Collectively, the geophysical data did not record any evidence of metallic USTs within the survey area at Parcel 7. The known USTs servicing the facility were located outside of the survey area.

LIMITATIONS

Geophysical surveys have been performed and this report was prepared for Kleinfelder in accordance with generally accepted guidelines for EM61 and GPR surveys. It is generally recognized that the results of the EM61 and GPR surveys are non-unique and may not represent actual subsurface conditions. The EM61 and GPR results obtained for this project have not conclusively determined the definitive presence or absence of metallic USTs, but the evidence collected is sufficient to result in the conclusions made in this report. Additionally, it should be understood that areas containing extensive vegetation, reinforced concrete, or other restrictions to the accessibility of the geophysical instruments could not be fully investigated.

APPROXIMATE BOUNDARIES OF GEOPHYSICAL SURVEY AREA



View of Survey Area
(Facing Approximately West)



View of Survey Area
(Facing Approximately South)



503 INDUSTRIAL AVENUE
GREENSBORO, NC 27406
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License # C1251 Eng. / License # C257 Geology

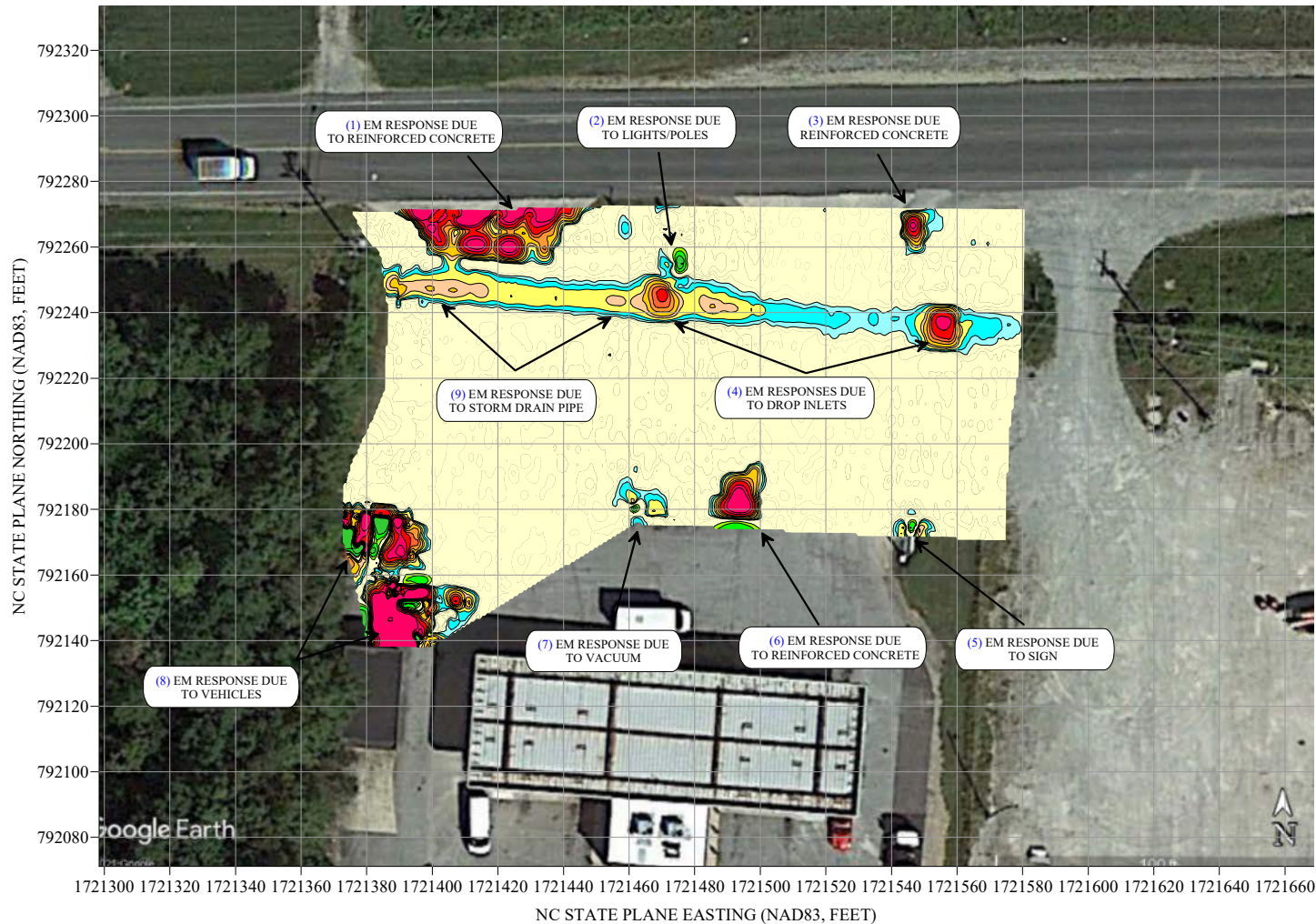
PROJECT
PARCEL 7
ARCHDALE, NORTH CAROLINA
NCDOT PROJECT U-6018

TITLE
PARCEL 7 - GEOPHYSICAL SURVEY
BOUNDARIES AND SITE PHOTOGRAPHS

DATE
6/16/2021
PYRAMID
PROJECT #: 2021-150

CLIENT
KLEINFELDER
FIGURE 1

EM61 METAL DETECTION RESULTS



NO EVIDENCE OF UNKNOWN METALLIC USTs WAS OBSERVED.

The contour plot shows the differential results of the EM61 instrument in millivolts (mV). The differential results focus on larger metallic objects such as USTs and drums. The EM data were collected on June 2, 2021, using a Geonics EM61-MK2 instrument. Verification GPR data were collected on June 2, 2021, using a GSSI SIR 4000 with a 350 MHz antenna.

EM61 Metal Detection Response (millivolts)



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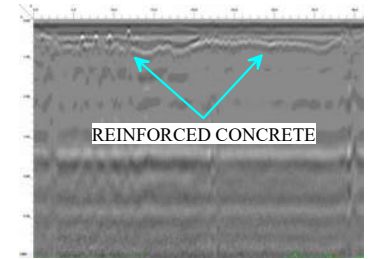
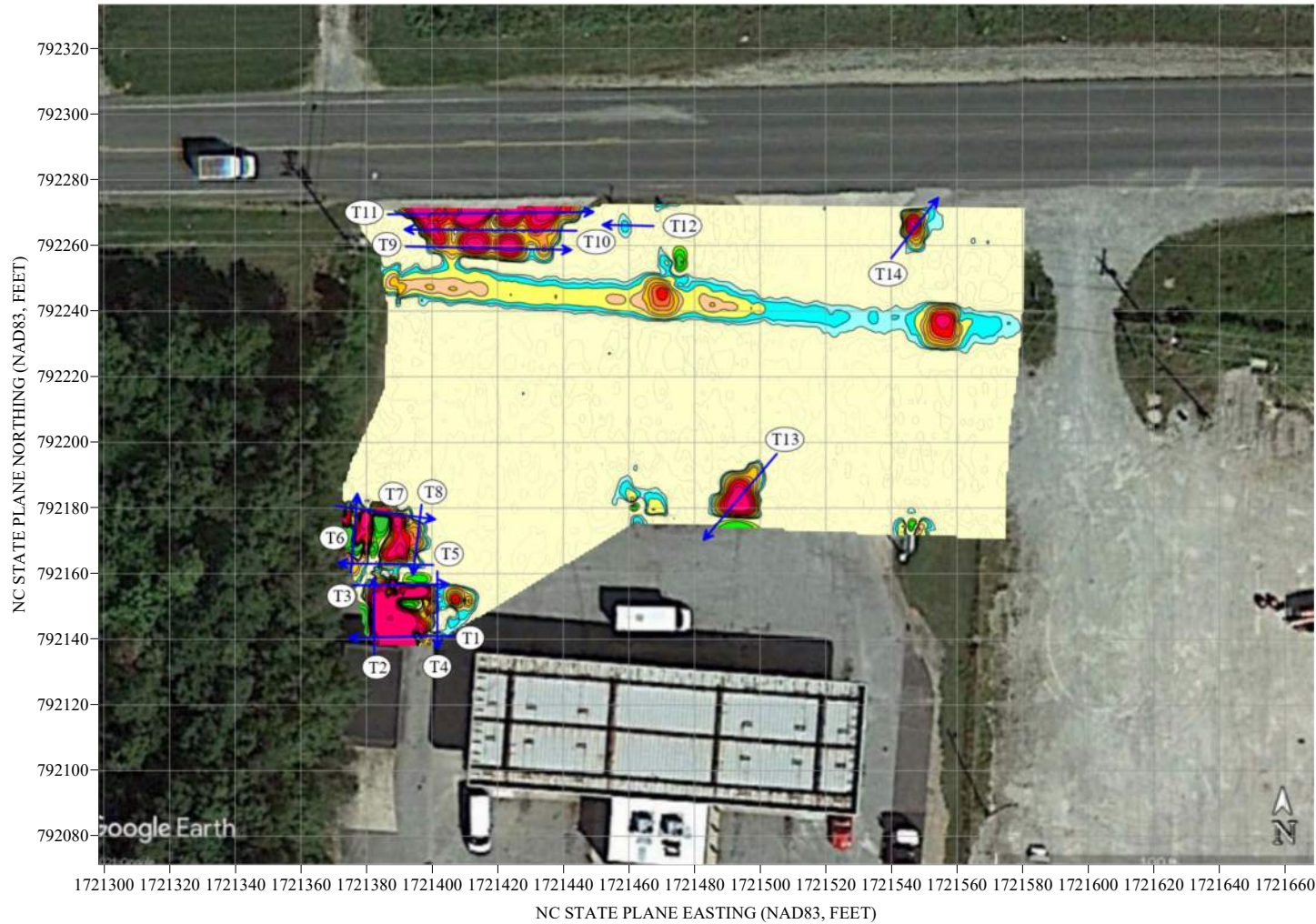
PROJECT
PARCEL 7
ARCHDALE, NORTH CAROLINA
NCDOT PROJECT U-6018

TITLE
PARCEL 7 -
EM61 METAL DETECTION CONTOUR MAP

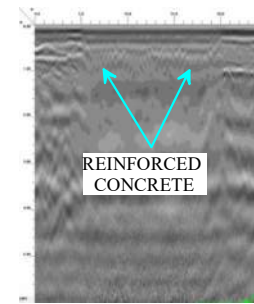
DATE
6/16/2021
PYRAMID
PROJECT #: 2021-150

CLIENT
KLEINFELDER
FIGURE 2

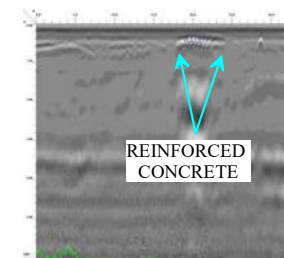
GPR TRANSECT LOCATIONS



GPR TRANSECT 9 (T9)



GPR TRANSECT 13 (T13)



GPR TRANSECT 14 (T14)



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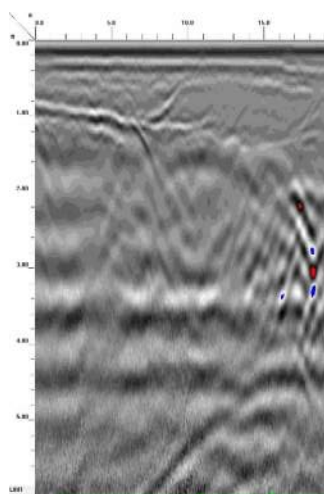
PROJECT
PARCEL 7
ARCHDALE, NORTH CAROLINA
NCDOT PROJECT U-6018

TITLE
PARCEL 7 -
GPR TRANSECT LOCATIONS
AND SELECT IMAGES

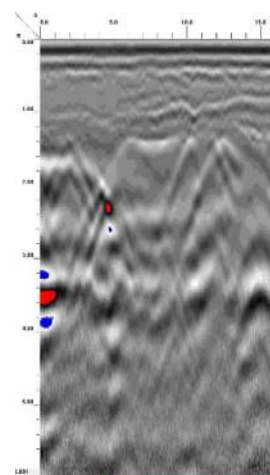
DATE
6/16/2021
PYRAMID
PROJECT #: 2021-150

CLIENT
KLEINFELDER
FIGURE 3

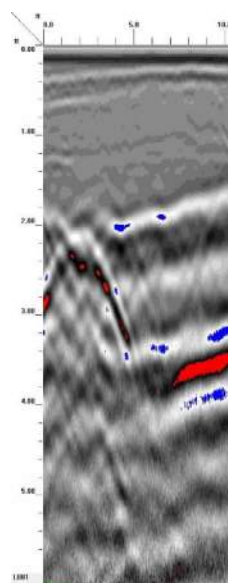
Appendix A – GPR Transect Images



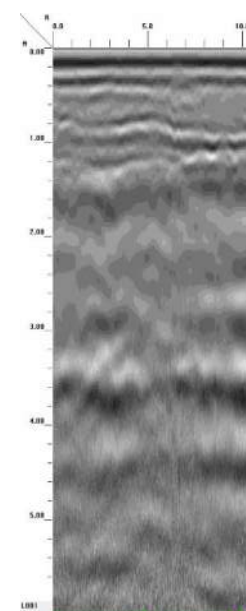
GPR TRANSECT 1



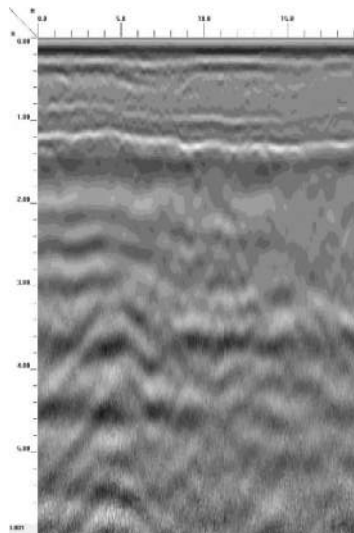
GPR TRANSECT 3



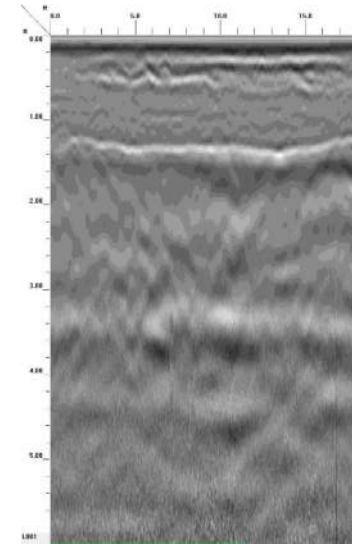
GPR TRANSECT 2



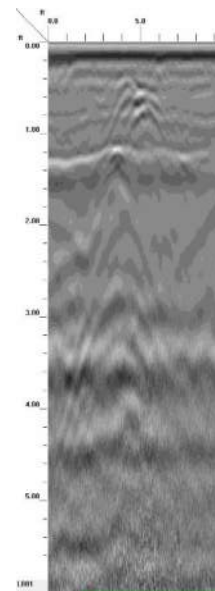
GPR TRANSECT 4



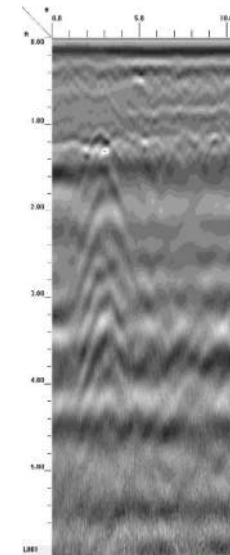
GPR TRANSECT 5



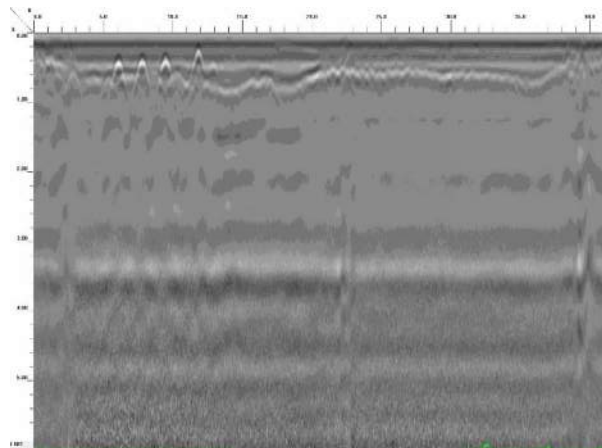
GPR TRANSECT 7



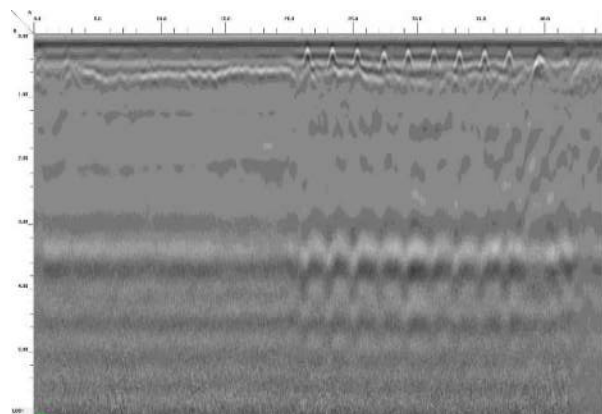
GPR TRANSECT 6



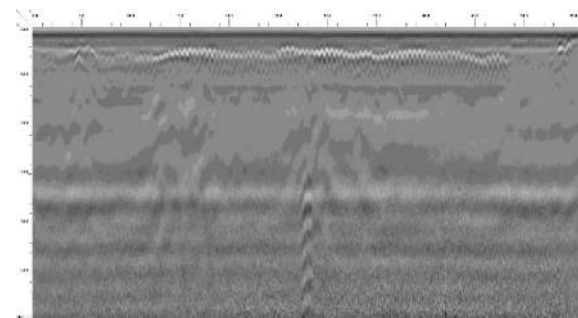
GPR TRANSECT 8



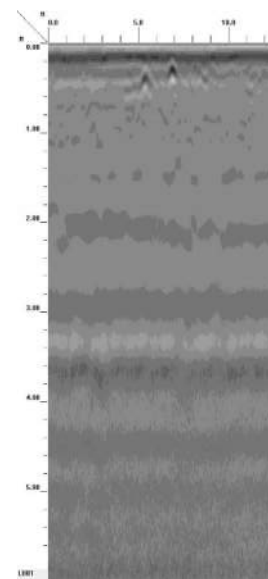
GPR TRANSECT 9



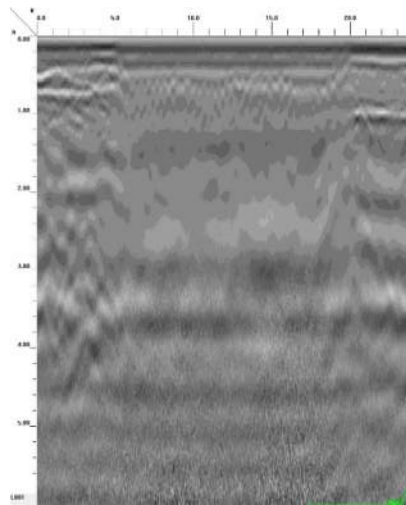
GPR TRANSECT 10



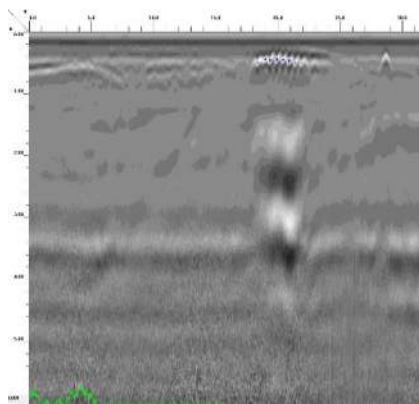
GPR TRANSECT 11



GPR TRANSECT 12



GPR TRANSECT 13



GPR TRANSECT 14

APPENDIX B

BORING LOGS

Date Begin - End: 6/14/2021		Drilling Company: Quantex Environmental Drilling		ENVIRONMENTAL BORING LOG P7-B1	
Logged By: A. SHURTLEFF		Drill Crew:			
Hor.-Vert. Datum: NAD83 - Not Available		Drilling Equipment: 6620DT GeoProbe			
Plunge: -90 degrees		Drilling Method: See Drilling Method Column			
Weather: SUNNY		Bore Diameter:			

FIELD EXPLORATION							
Depth (feet)	Drilling Method	Sample Type	Sample Number	Recovery (NR=No Recovery)	PID / FID (ppmv)	Graphical Log	
						Latitude: 35.92300° N Longitude: -79.94046° W Surface Condition: Grass	
						Lithologic Description	
5	Geoprobe				P7-B1-5 GRO <0.5 DRO 3.3 P7-B1-6 GRO <0.4 DRO 0.08	TOPSOIL	
						0.0	Sandy SILT: light brown
						0.0	
						0.0	Sandy SILT with Clay: red and light brown
						0.0	
						2.4	Silty CLAY: gray and reddish brown
						1.0	Sandy SILT: gray
						0.5	Sandy SILT with Clay: gray
						0.7	slightly micaceous Sandy SILT: reddish yellow and gray and white
						0.2	
0.8							
0.5							
0.2							
15	The borehole was terminated at approximately 12 ft. below ground surface.					GROUNDWATER LEVEL INFORMATION: Groundwater was not observed during drilling or after completion. GENERAL NOTES: The environmental boring was backfilled with bentonite.	

 KLEINFELDER <i>Bright People. Right Solutions.</i>	PROJECT NO.: 20220745.001A	ENVIRONMENTAL BORING LOG P7-B1 NCDOT U-6018 Parcel 7 PSA 1128 Liberty Road Archdale, NC
	DRAWN BY: ARS CHECKED BY: MJB DATE: 7/2/2021	

Drilling Company:	<u>Quantex Environmental Drilling</u>
Drill Crew:	<u></u>
Drilling Equipment:	<u>6620DT GeoProbe</u>
Drilling Method:	<u>See Drilling Method Column</u>
Bore Diameter:	

FIELD EXPLORATION

Lithologic Description

Geoprobe

GROUNDWATER LEVEL INFORMATION:
Groundwater was not observed during drilling or after completion.

GENERAL NOTES:
The environmental boring was backfilled with bentonite.



DRAWN BY: ARS
CHECKED BY: MJB
DATE: 7/2/2021

NCDOT U-6018 Parcel 7 PSA
1128 Liberty Road
Archdale, NC

Drilling Company:	<u>Quantex Environmental Drilling</u>
Drill Crew:	<u></u>
Drilling Equipment:	<u>6620DT GeoProbe</u>
Drilling Method:	<u>See Drilling Method Column</u>
Bore Diameter:	<u></u>

FIELD EXPLORATION

Lithologic Description

5-

GROUNDWATER LEVEL INFORMATION:
Groundwater was not observed during drilling or after completion.

GENERAL NOTES:
The environmental boring was backfilled with bentonite.



CHECKED BY: MJB

DATE: 7/2/2021

NCDOT U-6018 Parcel 7 PSA
1128 Liberty Road
Archdale, NC

Date Begin - End:	6/14/2021	Drilling Company:	Quantex Environmental Drilling	ENVIRONMENTAL BORING LOG P7-B4
Logged By:	A. SHURTLEFF	Drill Crew:		
Hor.-Vert. Datum:	NAD83 - Not Available	Drilling Equipment:	6620DT GeoProbe	
Plunge:	-90 degrees	Drilling Method:	See Drilling Method Column	
Weather:	SUNNY	Bore Diameter:		

Depth (feet)	Drilling Method	Sample Type	Sample Number	Recovery (NR=No Recovery)	PID / FID (ppmv)	Graphical Log	FIELD EXPLORATION
							Latitude: 35.92306° N Longitude: -79.94080° W Surface Condition: Grass Lithologic Description
			P7-B4-1 GRO <0.5 DRO 0.16		0.0		TOPSOIL
					0.0		Clayey SILT: red and white
					0.0		SILT: light brown and gray
					0.0		Sandy CLAY: dark gray
					0.0		CLAY: greenish gray, moist
					0.0		Sandy CLAY: gray
					0.0		micaceous Sandy SILT: reddish yellow and red
					0.1		micaceous Sandy SILT: white and reddish yellow
			P7-B4-10 GRO <0.6 DRO <0.24		0.3		
					0.0		
					0.0		

The borehole was terminated at approximately 12 ft. below ground surface.

GROUNDWATER LEVEL INFORMATION:
Groundwater was not observed during drilling or after completion.
GENERAL NOTES:
The environmental boring was backfilled with bentonite.



PROJECT NO.:
20220745.001A



DRAWN BY: ARS

CHECKED BY: MJB

DATE: 7/2/2021

ENVIRONMENTAL BORING LOG P7-B4

NCDOT U-6018 Parcel 7 PSA
1128 Liberty Road
Archdale, NC

Date Begin - End: 6/14/2021 Logged By: A. SHURTLEFF Hor.-Vert. Datum: NAD83 - Not Available Plunge: -90 degrees Weather: SUNNY		Drilling Company: Quantex Environmental Drilling Drill Crew: Drilling Equipment: 6620DT GeoProbe Drilling Method: See Drilling Method Column Bore Diameter:		ENVIRONMENTAL BORING LOG P7-B5 Latitude: 35.92318° N Longitude: -79.94099° W Surface Condition: Grass			
FIELD EXPLORATION							
Depth (feet)	Drilling Method	Sample Type	Sample Number	Recovery (NR=No Recovery)	PID / FID (ppmv)	Graphical Log	Lithologic Description
5	Geoprobe		P7-B5-5 GRO <0.4 DRO 0.31		0.0		TOPSOIL
						0.0	Sandy SILT with Clay: reddish brown
						0.0	
						0.0	Sandy SILT: light brown
						0.0	
						0.0	Silty CLAY: gray and red, moist
						0.0	
						0.0	Sandy CLAY: gray
						0.0	
						0.0	Sandy SILT: reddish brown and black
0.0							
0.0					0.0		Refusal onto PWR at 10-ft bgs Partially Weathered Rock: white and reddish yellow
10			P7-B5-10 GRO <0.25 DRO <0.1				<p>The borehole was terminated because of practical auger refusal at approximately 10 ft. below ground surface on PWR. Rock was encountered at a depth of 10 ft. during this borehole.</p> <p>GROUNDWATER LEVEL INFORMATION: Groundwater was not observed during drilling or after completion.</p> <p>GENERAL NOTES: The environmental boring was backfilled with bentonite.</p>
15							



PROJECT NO.:
20220745.001A

DRAWN BY: ARS

CHECKED BY: MJB



DATE: 7/2/2021

ENVIRONMENTAL BORING LOG P7-B5

NCDOT U-6018 Parcel 7 PSA
1128 Liberty Road
Archdale, NC

Drilling Company:	<u>Quantex Environmental Drilling</u>
Drill Crew:	<u></u>
Drilling Equipment:	<u>6620DT GeoProbe</u>
Drilling Method:	<u>See Drilling Method Column</u>
Bore Diameter:	

ENVIRONMENTAL BORING LOG P7-B6

Depth (feet)	FIELD EXPLORATION								
	Drilling Method	Sample Type	Sample Number	Recovery (NR=No Recovery)	PID / FID (ppmv)	Graphical Log	Latitude: 35.92297° N Longitude: -79.94104° W Surface Condition: Asphalt		
							Lithologic Description		
5	Geoprobe		P7-B6-10 GRO <0.4 DRO 2.6		0.0		ASPHALT and Gravel		
								SILT: yellow mottled black and red	
								0.0	
								0.0	
								0.0	
								0.0	
								0.0	
								0.0	
								0.0	
								0.1	
								0.2	
0.0									
0.0									
15							GROUNDWATER LEVEL INFORMATION: Groundwater was not observed during drilling or after completion. GENERAL NOTES: The environmental boring was backfilled with bentonite.		



DRAWN BY: ARS
CHECKED BY: MJB
DATE: 7/2/2021

ENVIRONMENTAL BORING LOG P7-B6

NCDOT U-6018 Parcel 7 PSA
1128 Liberty Road
Archdale, NC

Drilling Company:	<u>Quantex Environmental Drilling</u>
Drill Crew:	<u></u>
Drilling Equipment:	<u>6620DT GeoProbe</u>
Drilling Method:	<u>See Drilling Method Column</u>
Bore Diameter:	

Latitude: 35.92298° N
Longitude: -79.94091° W
Surface Condition: Asphalt

GROUNDWATER LEVEL INFORMATION:
Groundwater was not observed during drilling or after completion.

GENERAL NOTES:
The environmental boring was backfilled with bentonite.



DRAWN BY: ARS
CHECKED BY: MJB
DATE: 7/2/2021

ENVIRONMENTAL BORING LOG P7-B7

NCDOT U-6018 Parcel 7 PSA
1128 Liberty Road
Archdale, NC

APPENDIX C

ANALYTICAL REPORT AND GRAPHS

Hydrocarbon Analysis Results



Client: KLEINFELDER

Address:



Samples taken

Samples extracted

Samples analysed



Monday, June 14, 2021

Monday, June 14, 2021

Monday, June 14, 2021

Contact: ABI SHURTLEFF

Operator

MAX MOYER

Project: U-6018 ; P-7

T03308

Matrix	Sample ID	Dilution used	BTEX	GRO	DRO	TPH	Total Aromatics	16 EPA PAHs	BaP	% Ratios			HC Fingerprint Match
			C6-C9	C5-C10	C10-C35	C5-C35	C10-C35			C5:10	C10:C18	C18+	
Soil	B1 - 5'	22.0	<0.5	<0.5	3.3	3.3	1.2	0.04	<0.001	0	89.9	10.1	V.Deg.PHC 92.1%,(FCM),(BO)
Soil	B1 - 6'	18.0	<0.4	<0.4	0.08	0.08	0.06	0.006	<0.005	0	100	0	Residual HC
Soil	B2 - 8'	17.0	<0.4	<0.4	<0.17	0.015	0.015	0.001	<0.005	0	100	0	Residual HC
Soil	B2 - 9'	21.0	<0.5	<0.5	<0.21	<0.5	<0.011	<0.011	<0.006	0	0	0	PHC ND,(FCM)
Soil	B3 - 8'	23.0	<0.5	<0.5	1.7	1.7	0.7	0.031	0.001	0	85.4	14.6	V.Deg.PHC 87.6%,(FCM)
Soil	B3 - 10'	18.0	<0.4	<0.4	1.7	1.7	0.5	0.029	0.001	0	83.7	16.3	V.Deg.Light Fuel 97.3%,(FCM)
Soil	B4 - 1'	21.0	<0.5	<0.5	0.16	0.16	0.16	0.018	<0.006	0	65.5	34.5	Residual HC,(TD)
Soil	B4 - 10'	24.0	<0.6	<0.6	<0.24	<0.6	<0.012	<0.012	<0.007	0	0	0	PHC ND,(FCM),(TD)
Soil	B5 - 5'	19.0	<0.4	<0.4	0.31	0.31	0.15	0.009	0.001	0	74.6	25.4	V.Deg.PHC 65.7%,(FCM),(TD)
Soil	B5 - 10'	10.0	<0.25	<0.25	<0.1	<0.25	<0.005	<0.005	<0.003	0	0	0	PHC ND,(FCM),(TD)
Initial Calibrator QC check			OK			Final FCM QC Check			OK			100.5%	

Concentration values in mg/kg for soil samples and mg/L for water samples. Soil values uncorrected for moisture or stone content. Fingerprints provide a tentative hydrocarbon identification.

Abbreviations :- FCM = Results calculated using Fundamental Calibration Mode : % = confidence of hydrocarbon identification : (PFM) = Poor Fingerprint Match : (T) = Turbid : (P) = Particulate detected

B = Blank Drift : (SBS)/(LBS) = Site Specific or Library Background Subtraction applied to result : (BO) = Background Organics detected : (OCR) = Outside cal range : (M) = Modified Result.

% Ratios estimated aromatic carbon number proportions : HC = Hydrocarbon : PHC = Petroleum HC : FP = Fingerprint only.

Data generated by HC-1 Analyser

Hydrocarbon Analysis Results



Client: KLEINFELDER

Address:



Samples taken
Samples extracted
Samples analysed

Monday, June 14, 2021
 Monday, June 14, 2021
 Monday, June 14, 2021

Contact: ABI SHURTLEFF

Operator

MAX MOYER

Project: U-6018 ; P-7

													T03308
Matrix	Sample ID	Dilution used	BTEX	GRO	DRO	TPH	Total Aromatics	16 EPA PAHs	BaP	% Ratios			HC Fingerprint Match
			C6-C9	C5-C10	C10-C35	C5-C35	C10-C35			C5:10	C10:C18	C18+	
Soil	B6 - 10'	19.0	<0.4	<0.4	2.6	2.6	1.2	0.06	0.001	0	89.3	10.7	V.Deg.Light Fuel 91.7%,(FCM)
Soil	B7 - 2'	21.0	<0.5	<0.5	0.4	0.4	0.3	0.04	<0.003	0	92.1	7.9	Residual PHC
Soil	B7 - 3'	22.0	<0.5	<0.5	<0.22	0.023	0.023	0.002	<0.007	0	100	0	Residual HC
Soil	B7 - 13'	19.0	<0.4	<0.4	2	2	1	0.03	<0.001	0	88.9	11.1	Bit.Road Binder 91.3%,(FCM)
Initial Calibrator QC check			OK		Final FCM QC Check					OK		103.3%	

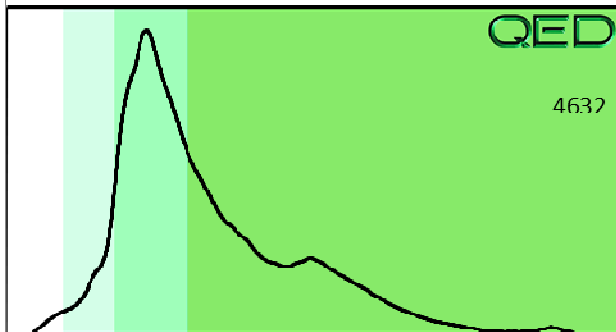
Concentration values in mg/kg for soil samples and mg/L for water samples. Soil values uncorrected for moisture or stone content. Fingerprints provide a tentative hydrocarbon identification.

Abbreviations :- FCM = Results calculated using Fundamental Calibration Mode : % = confidence of hydrocarbon identification : (PFM) = Poor Fingerprint Match : (T) = Turbid : (P) = Particulate detected

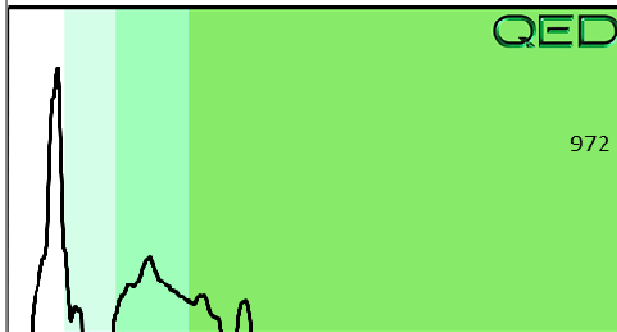
B = Blank Drift : (SBS)/(LBS) = Site Specific or Library Background Subtraction applied to result : (BO) = Background Organics detected : (OCR) = Outside cal range : (M) = Modified Result.

% Ratios estimated aromatic carbon number proportions : HC = Hydrocarbon : PHC = Petroleum HC : FP = Fingerprint only. **Data generated by HC-1 Analyser**

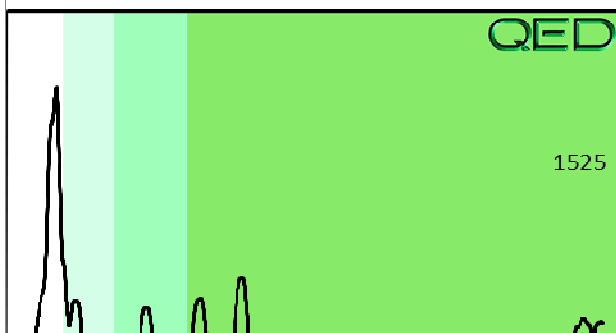
B1 - 5' : V.Deg.PIIC 92.1%,(FCM),(BO)



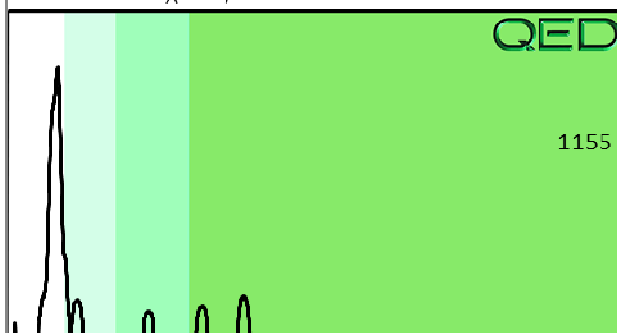
B1 - 6' : Residual IIC



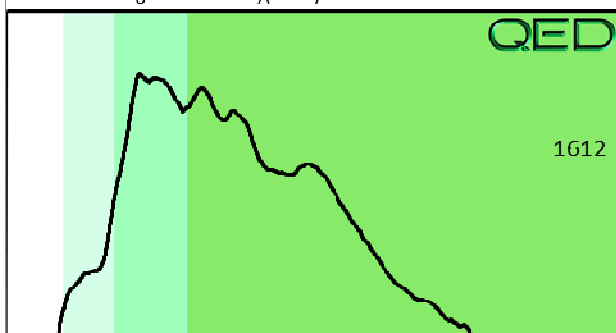
B2 - 8' : Residual IIC



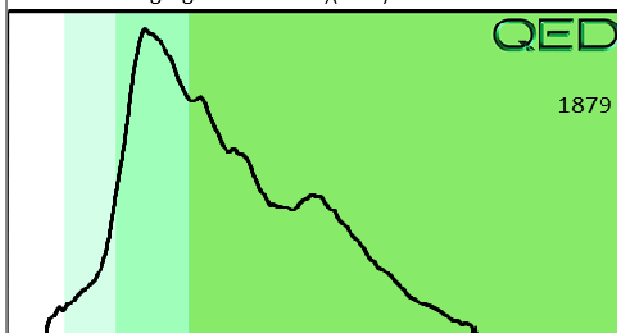
B2 - 9' : PIIC ND,(FCM)



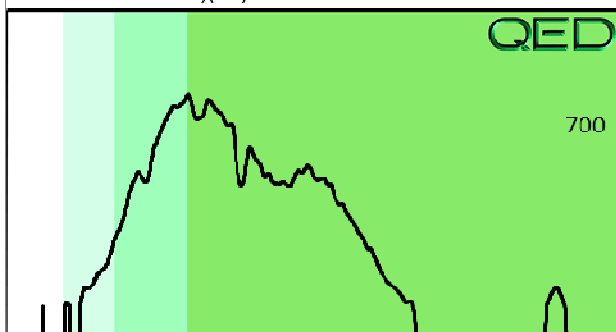
B3 - 8' : V.Deg.PIIC 87.6%,(FCM)



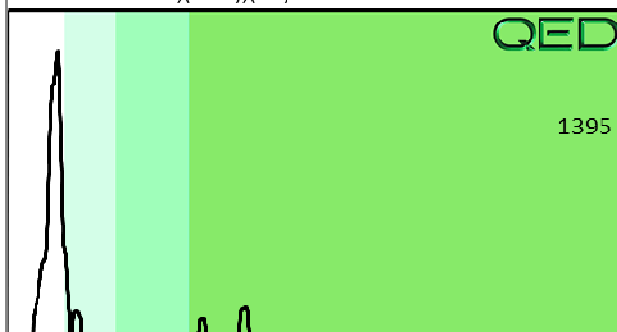
B3 - 10' : V.Deg.Light Fuel 97.3%,(FCM)



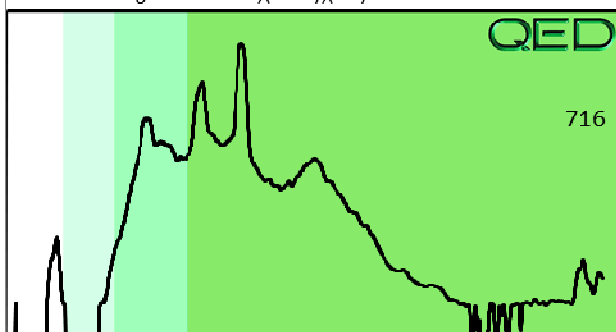
B4 - 1' : Residual IIC,(TD)



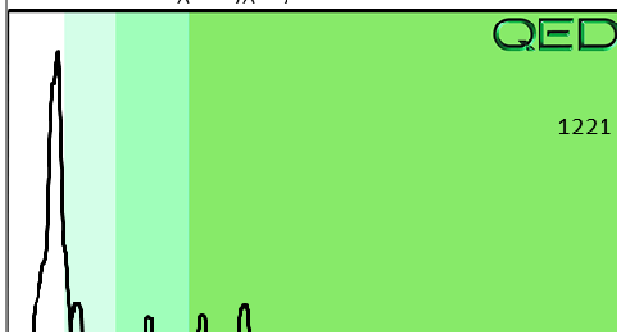
B4 - 10' : PIIC ND,(FCM),(TD)



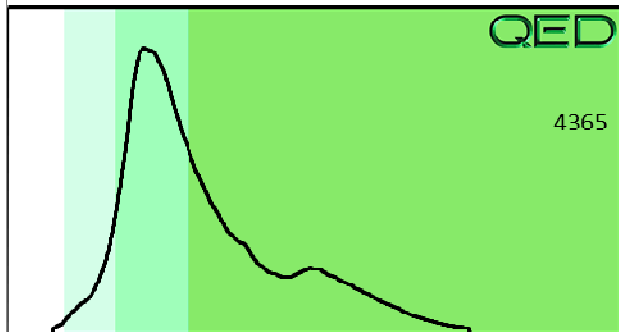
B5 - 5' : V.Deg.PIIC 65.7%,(FCM),(TD)



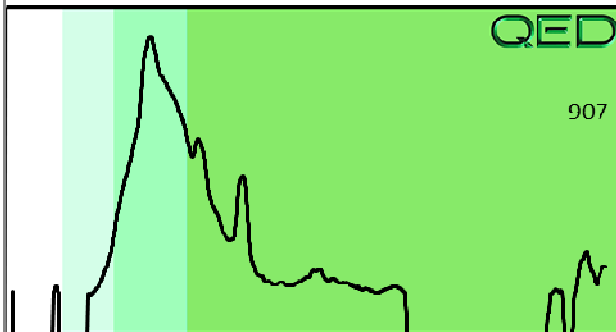
B5 - 10' : PIIC ND,(FCM),(TD)



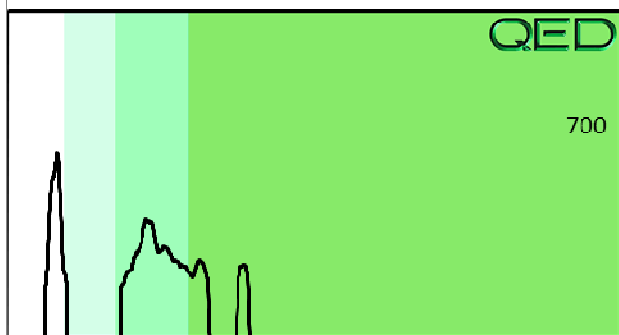
B6 - 10' : V.Deg.Light Fuel 91.7%,(FCM)



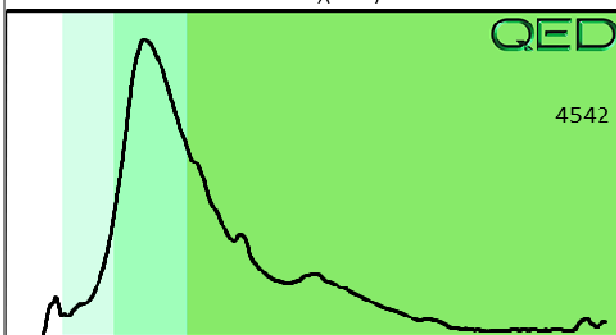
B7 - 2' : Residual PI IC



B7 - 3' : Residual IIC



B7 - 13' : Bit.Road Binder 91.3%,(FCM)





August 7, 2018

Ms. Claudette M.K. Roque, PE
Ramey Kemp & Associates
5808 Faringdon Place, Suite 100
Raleigh, NC 27609

SUBJECT: Hazardous Materials Survey Report (Phase I)
TIP NO: U-6018
COUNTY: Guilford
DESCRIPTION: NC 62 – Widening and Realign Intersections

Dear Ms. Roque:

Please find enclosed Kleinfelder's Hazardous Materials Survey report (Phase I) summarizing our review of properties that may environmentally impact development of the project. The project study area was defined on the map provided to Kleinfelder by Ramey Kemp & Associates for North Carolina Department of Transportation (NCDOT) project U-6018.

Should questions arise regarding the geoenvironmental issues, or additional information be required, please contact the undersigned.

Sincerely,
KLEINFELDER, INC.


Joseph C. Hollinger
Environmental Scientist


Michael J. Burns, PG
Environmental Program Manager

JCH/MJB:asp
Enclosure

TIP: U-6018
20191169.001A | RAL18R82334
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August 7, 2018
www.kleinfelder.com



HAZARDOUS MATERIALS SURVEY REPORT (PHASE I)

**TIP NO. U-6018
NC 62 – WIDENING AND REALIGN INTERSECTIONS
GUILFORD COUNTY, NORTH CAROLINA**

KLEINFELDER PROJECT NO. 20191169.001A

AUGUST 7, 2018

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PROJECT FOR WHICH THIS REPORT WAS PREPARED.**

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APPENDICES

- A Figures
- B Parcel Summary Table
- C Parcel Details
- D EDR Information

1 HAZARDOUS MATERIALS SURVEY

Kleinfelder has completed the Hazardous Materials Survey on the proposed project corridor for TIP No. U-6018, Archdale, Guilford County, North Carolina. The project study area is included as Appendix A. The main purpose of this investigation was to identify properties within the project study area that are or may be contaminated and therefore result in increased project costs and future liability if acquired by the NCDOT. Hazardous material impacts may include, but are not limited to, active and abandoned underground storage tank (UST) sites, hazardous waste sites, regulated landfills, automotive facilities, and unregulated dumpsites.

1.1 TECHNIQUES / METHODOLOGIES

The North Carolina Department of Environmental Quality (NCDEQ) environmental databases were reviewed to identify known sites of environmental concern in relation to the project corridor. In addition, Kleinfelder reviewed information obtained from Environmental Data Resources (EDR) including historical aerial photographs and regulatory databases (Appendix D), to assist in evaluating sites identified during this study. Kleinfelder staff conducted field reconnaissance operations on July 26, 2018, along TIP No. U-6018, which consists of the roadway improvements along NC Highway 62 in Guilford County, NC.

During our field reconnaissance, residential structures were observed for obvious evidence of heating oil USTs. If the residential structure was built prior to 1980, Kleinfelder attempted to interview the current resident regarding any knowledge of current or former heating oil USTs.

2 FINDINGS

2.1 UST FACILITIES

Three suspected or known commercial petroleum sites were identified within the project study area. All three of these sites are active retail petroleum facilities.

Kleinfelder performed site reconnaissance of the residential properties within the project study area from the public right of way to determine whether any of these parcels may have heating oil USTs or aboveground storage tanks (AST). Attempts were made to speak with residents if there was no obvious evidence of an AST or fill or vent pipes observed that would indicate the presence of heating oil tanks. Due to the age of the residential structures in the area it is possible that USTs exist but are not observable, and unknown by the current residents.

2.2 LEAKING UST FACILITIES

One property within the project study area has been assigned a leaking UST (LUST) incident.

The NCDEQ LUST database/GIS map and EDR Radius Map Report show an incident at 1011 Liberty Road, (Twin Roads, Incident 37896). During the field reconnaissance a total of 13 monitoring wells were identified on the site. One additional monitoring well was identified on an adjoining residence to the north beyond East Fairfield Road. Kleinfelder obtained the most recent groundwater analytical map (December 2017) and soil analytical map (February 2013) for the incident. According to these maps, soil contamination exists in the area of the current USTs and dispenser islands in excess of the soil-to-water Maximum Contaminant Concentrations (MSCCs) and/or Residential Cleanup Levels. Groundwater contamination on the site exceeds the gross contamination limits (GCLs), including measurable free product in five onsite monitoring wells. The groundwater contaminant plume appears to have crossed both East Fairfield Road to the north and Liberty Road to the south.

2.3 LEAKING AST FACILITIES

One leaking AST facility was located within the project study area. Roun Transportation was mapped by EDR within the project study area at the intersection of I-85 South and Liberty Road. According to documents obtained from the NCDEQ the release is related to a 75-gallon release of diesel at the exit ramp. Shamrock Environmental performed the emergency response and

removed contaminated soil. Based on maps included in the NCDEQ documents, the spill occurred outside of the project study area.

2.4 AUTOMOTIVE SERVICE FACILITIES

The property located at 921 Liberty Road (Dillon Auto Repair) was noted to be the location of automobile repair facility. Hydraulic lifts were observed within the onsite building. The building was observed to be heated with a waste oil system.

2.5 RCRA GENERATORS

No RCRA Generator was identified within the project study area limits on the EDR report, or on the NCDEQ GIS Maps.

2.6 LANDFILLS

No listed or apparent landfills were identified within the project study area limits on the EDR report, or on the NCDEQ GIS Maps.

2.7 HEATING OIL TANKS

Kleinfelder identified 17 residential structures in the project study area that either currently or formerly utilized heating oil. A total of 11 of these residential structures were noted to have a heating oil AST, five were noted to have a heating oil UST, and at two residential properties the owners indicated the location of a former heating oil UST.

2.8 OTHER GEOENVIRONMENTAL CONCERNS

One other Geoenvironmental concern was identified within the project study area that includes a farm that was first established in 1917 according to historical records. Farms of this age are a concern due to pesticide and herbicide mixing areas and USTs. A resident of the farm stated that she had no knowledge of current or prior USTs on the site. One 4,000-gallon diesel AST and one 550-gallon used oil AST are present on the farm. One of the sheds observed appeared to be a potential pesticide and herbicide mixing area, based on the presence of large spraying tanks on the ground surface in front of the shed.

3 ANTICIPATED IMPACTS

Kleinfelder observed 23 potentially contaminated properties during the field reconnaissance and the historical and regulatory agency records search. These include 21 properties that are known or suspected of having used USTs and/or ASTs, one automotive repair facilities, and one other site of concern (farm). Kleinfelder anticipates low monetary and scheduling impacts resulting from all of these sites.

The parcels identified are summarized on the table in Appendix B. More specific details of the individual sites are described in detail in Appendix C.

Other than those listed, Kleinfelder did not observe additional contaminated properties during the field reconnaissance and regulatory agencies' records search. Preliminary Site Assessments should be performed on each of the above properties before right of way acquisition. Please note that discovery of additional sites not recorded by regulatory agencies and not reasonably discernable during the project reconnaissance may occur. The NCDOT should be notified immediately after discovery of such sites so their potential impact(s) may be assessed.

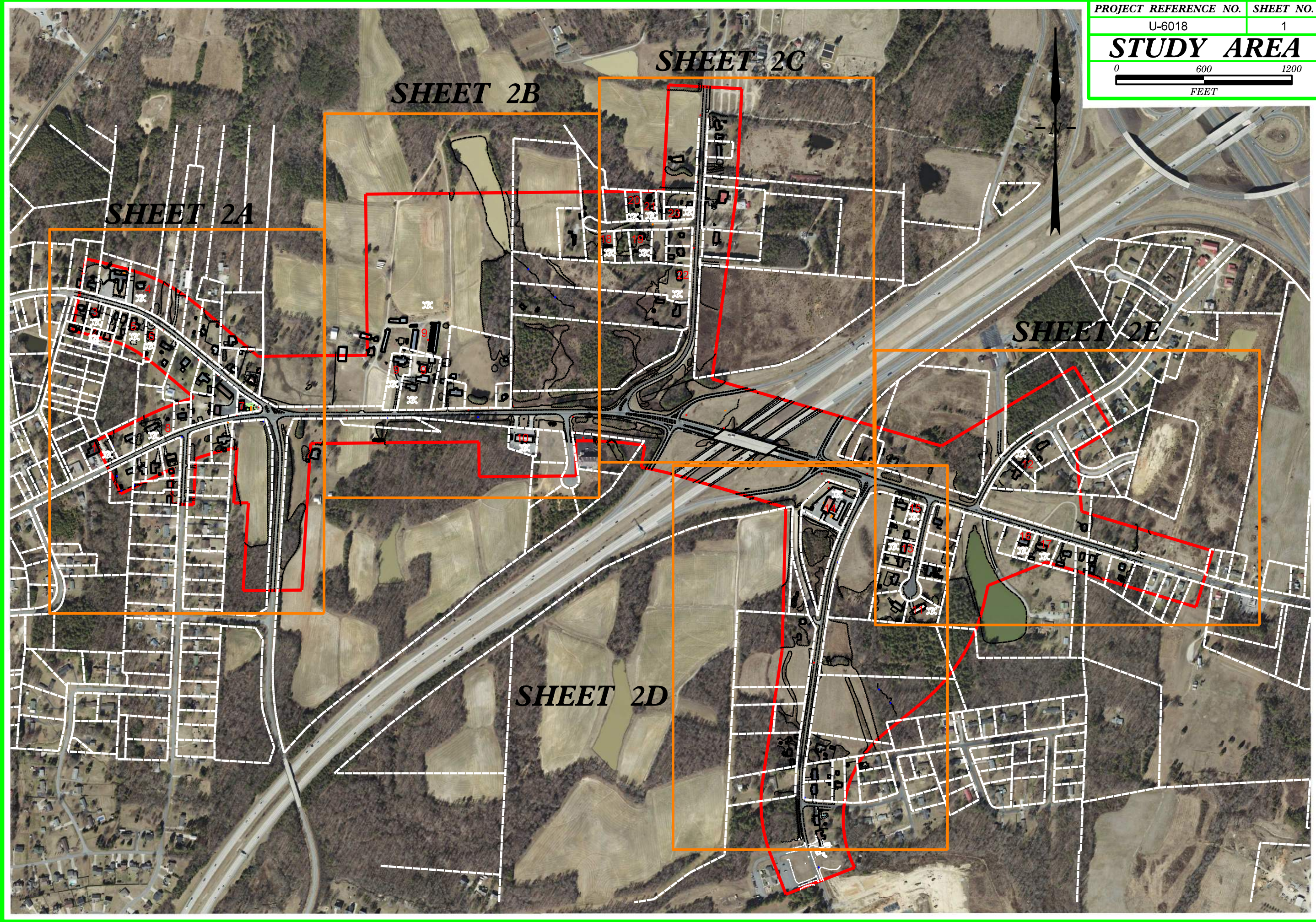
4 LIMITATIONS

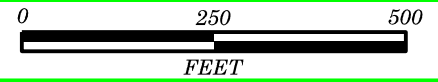
Kleinfelder's work was performed in a manner consistent with that level of care and skill ordinarily exercised by other members of its profession practicing in the same locality, under similar conditions and at the date the services are provided. Kleinfelder's conclusions, opinions and recommendations were based on a limited number of observations and data. It is possible that conditions could vary between or beyond the data evaluated. Kleinfelder makes no guarantee or warranty, express or implied, regarding the services, communication (oral or written), report, opinion, or instrument of service provided.

Kleinfelder offers various levels of investigative and engineering services to suit the varying needs of different clients. It should be recognized that definition and evaluation of geologic and environmental conditions are a difficult and inexact science. Judgments leading to conclusions and recommendations are generally made with incomplete knowledge of the subsurface conditions present due to the limitations of data from field studies. Although risk can never be eliminated, more-detailed and extensive studies yield more information, which may help understand and manage the level of risk. Since detailed study and analysis involves greater expense, Kleinfelder's clients participate in determining levels of service that provide adequate information for their purposes at acceptable levels of risk. More extensive studies, including subsurface studies or field tests, should be performed to reduce uncertainties. Acceptance of this report will indicate that Ramey Kemp has reviewed the document and determined that it does not need or want a greater level of service than provided.

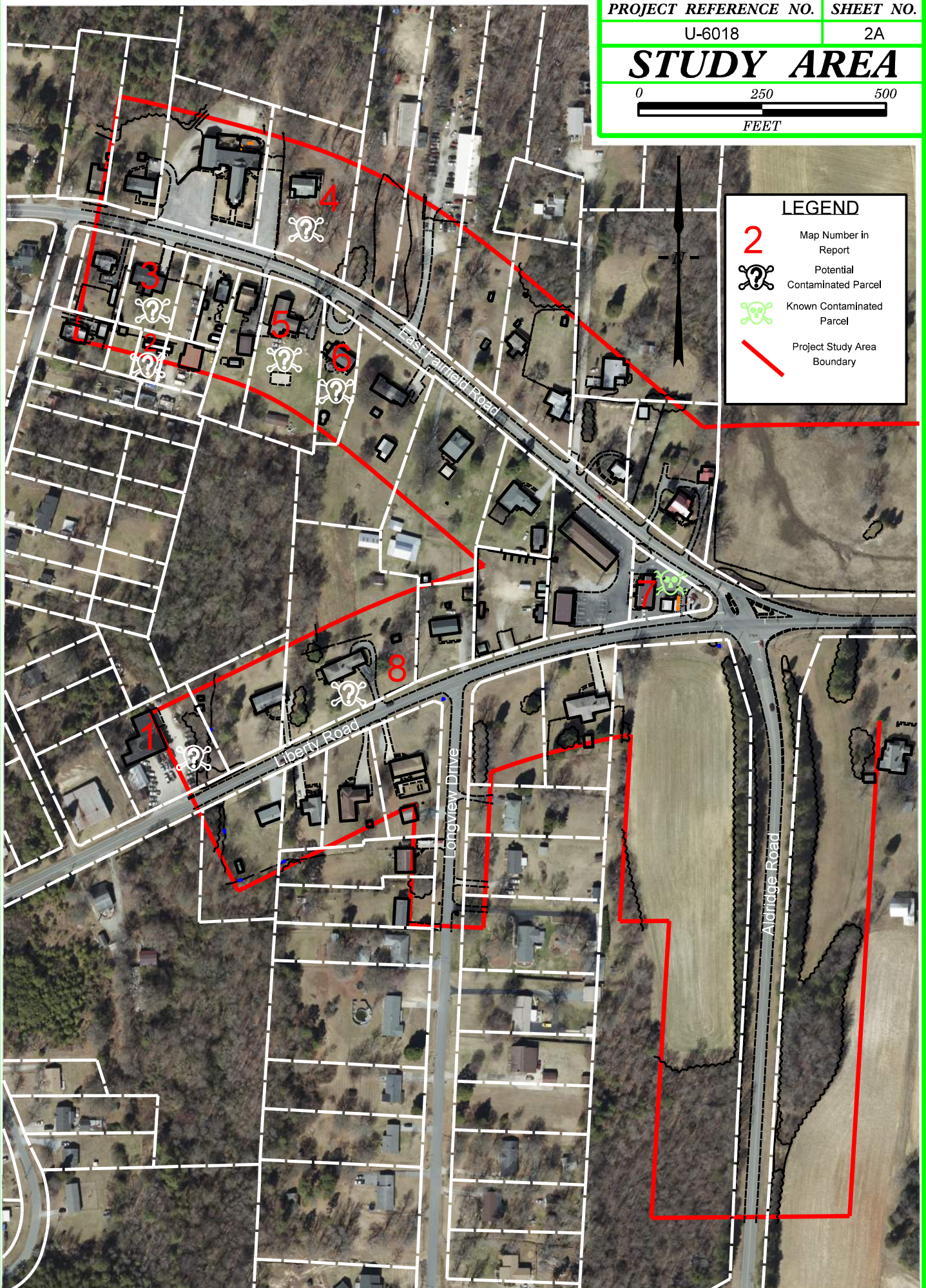
APPENDIX A

FIGURES



STUDY AREA**LEGEND**

- 2** Map Number in Report
- Potential Contaminated Parcel
- Known Contaminated Parcel
- Project Study Area Boundary



STUDY AREA



LEGEND

10

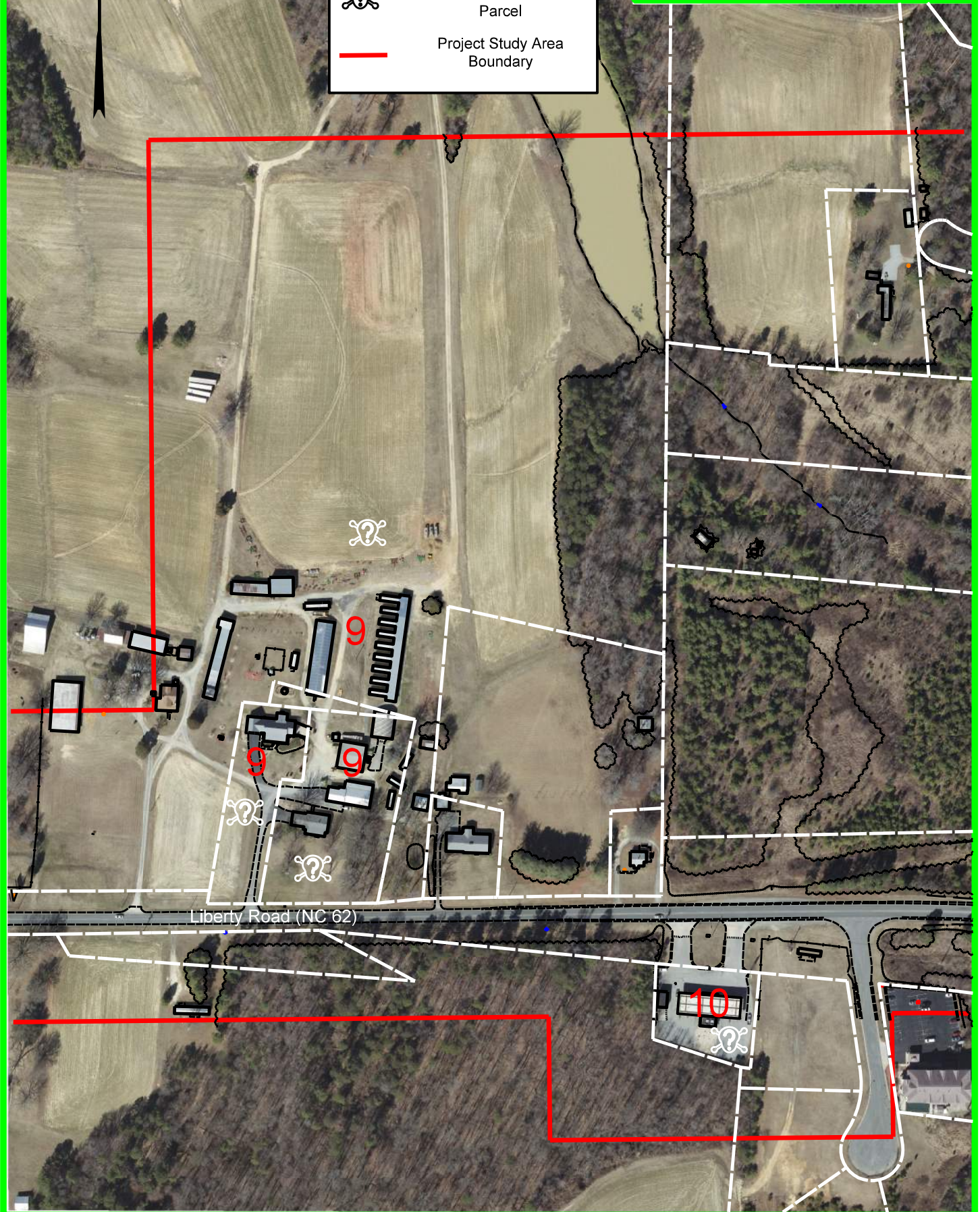
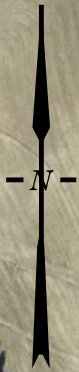
Map Number in Report



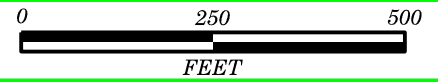
Potential Contaminated Parcel





Project Study Area Boundary



STUDY AREA

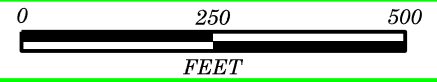


LEGEND

- 24** Map Number in Report
-  Potential Contaminated Parcel
-  Project Study Area Boundary



STUDY AREA



LEGEND

15

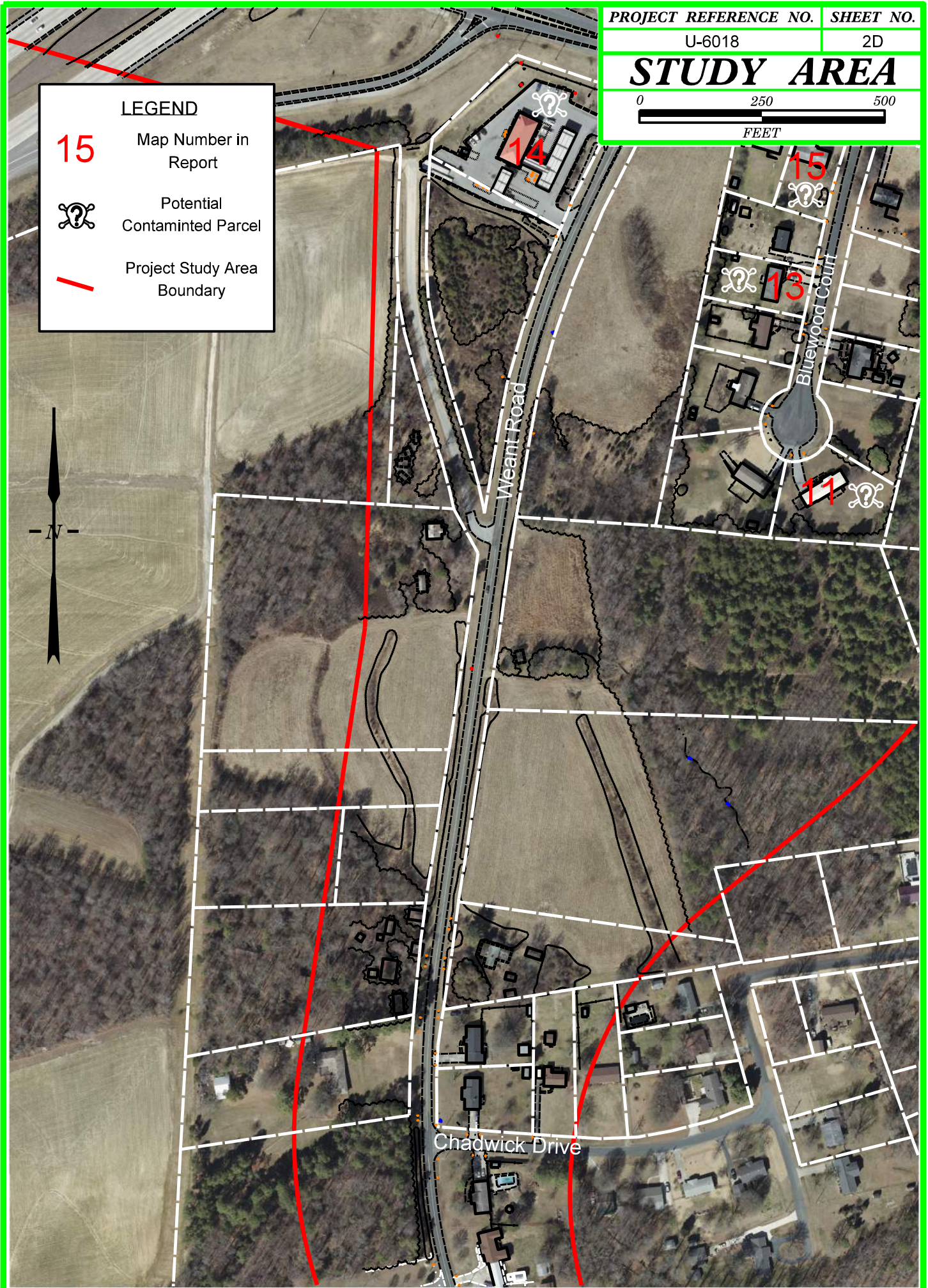
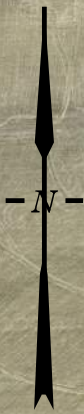
Map Number in
Report



Potential
Contaminated Parcel



Project Study Area
Boundary



LEGEND

14

Map Number in
Report



Potential
Contaminated Site



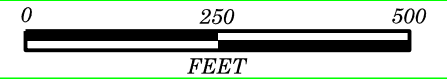
Project Study Area
Boundary

PROJECT REFERENCE NO. SHEET NO.

U-6018

2E

STUDY AREA



APPENDIX B
PARCEL SUMMARY TABLE

SUMMARY TABLE

MAP NUMBER	TYPE	LOCATION	PIN	UST FACILITY ID	PROPERTY OWNER	UST OWNER	CURRENT DEVELOPMENT	USES OF CONCERN	ISSUES OF CONCERN	ANTICIPATED SEVERITY	COMMENTS
1	Auto Shop, AST	921 Liberty Road	7719825061	NA	921 Properties, LLC	NA	Dillon Auto Repair	Automobile repair and maintenance, hydraulic lifts, waste oil heating.	Petroleum and/or chlorinated solvent contaminated soil/groundwater	Low	Owner stated that the site had no history of USTs but that the building utilized waste oil heating. Hydraulic lifts observed in the onsite building.
2	AST	1874 A Sechrest Circle	7719825831	NA	Ahsan Ullah	NA	Single Family Home	Heating Oil AST Present	AST, petroleum contaminated soil/groundwater	Low	Heating oil AST was observed on northside of home. Owner helped to disclose location.
3	UST	1506 East Fairfield	7719825945	NA	Ahsan Ullah	NA	Single Family Home	Heating Oil UST Present	UST, petroleum contaminated soil/groundwater	Low	Probable heating oil UST observed on northside of house. Owner helped to disclose location.
4	AST	1513 East Fairfield Road	7719838154	NA	Fidel Daniel Gomez; Laura Gomez	NA	Single Family Home	Heating Oil AST Present	AST, petroleum contaminated soil/groundwater	Low	Heating oil AST was observed on northside of home. Home appeared vacant.
5	UST	1516 East Fairfield	7719828800	NA	Ahsan Ullah; Farzana Ullah	NA	Single Family Home	Heating Oil UST Present	UST, petroleum contaminated soil/groundwater	Low	Probable heating oil UST observed on northside of home.
6	UST	1520 East Fairfield	7719829717	NA	Atiq U Rahman	NA	Single Family Home	Heating Oil UST Present	UST, petroleum contaminated soil/groundwater	Low	Probable heating oil UST observed on northside of home.
7	UST	1011 Liberty Road	7719925383	19265	Linda A Terrell	Rex Oil Company	Twin Roads Foodmart	Active Gasoline Station	Two active USTs, petroleum contaminated soil/groundwater	Low	LUST Incident 37896. Database comment describes the UST as reported by an individual to have a possible release. A tank tightness test indicated a hole in the mid-grade gasoline tank. No further documentation could be found using NCDEQ Databases. 13 monitoring wells were observed at the site and in the surrounding area.
8	UST	935 Liberty Road	7719829247	NA	Gary Dwayne Brewer	NA	Single Family Home	Heating Oil UST Present	UST, petroleum contaminated soil/groundwater	Low	Heating oil UST pipes observed on southside of home.
9	Pesticides/ Herbicides/ AST	1113, 1117, 1119 Liberty Road	7729047149; 7729026409; 7729027459	NA	Thomas Huff; Bobby Cecil; Ervin Cecil; Nancy Cecil	NA	Cecil Farms	Two ASTs, potential Pesticide and Herbicide Use	Two ASTs, pesticide, herbicide, and petroleum contaminated soil/groundwater	Low	Cecil Farms is recognized by the North Carolina Department of Agriculture & Consumer Services as a Century Farm that has been in operation since 1917. A probable pesticide/herbicide mixing area was observed.
10	UST	1128 Liberty Road	7729124152	32669	Smith & Shore Oil Company	Smith & Shore Oil Company	BP Gasoline Station	Active Gasoline Station	Four active USTs, petroleum contaminated soil/groundwater	Low	The site has been used as a gasoline station since about 1993. There are currently four USTs (gasoline, kerosene and diesel). No reported releases could be identified using NCDEQ online databases.

MAP NUMBER	TYPE	LOCATION	PIN	UST FACILITY ID	PROPERTY OWNER	UST OWNER	CURRENT DEVELOPMENT	USES OF CONCERN	ISSUES OF CONCERN	ANTICIPATED SEVERITY	COMMENTS
11	Former UST	7011 Bluewood Court	7729401983	NA	Don L Ingram; Betty L Ingram	NA	Single Family Home	Former Site of Heating Oil UST	Former UST site, petroleum contaminated soil/groundwater	Low	Resident stated that the property was the former site of a heating oil UST that was removed "years ago" from the southeast side of the home.
12	Former UST	6305 Modlin Grove Road	7729418996	NA	Rodney E Otwell; Marcia S Otwell	NA	Single Family Home	Former Site of Heating Oil UST	Former UST site, petroleum contaminated soil/groundwater	Low	Resident stated that the property was the former site of a heating oil UST but was uncertain.
13	AST	7004 Bluewood Court	7729410336	NA	Faye L Thomas; Craig A Thomas	NA	Single Family Home	Heating Oil AST Present	AST, petroleum contaminated soil/groundwater	Low	Heating oil AST was observed on the west side of the home. Location was disclosed by resident.
14	UST	1771 NC Highway 62 West	7729315666	36341	Coastal Business Partners, LLC	Empire Petroleum Partners, LLC	Active Gasoline Station	Active Gasoline Station	Two active USTs, petroleum contaminated soil/groundwater	Low	The site has been used as a gasoline station since about 2006. There are currently four USTs (two gasoline, one kerosene, and one diesel). No reported releases could be identified using NCDEQ online databases.
15	AST	1761 NC Highway 62 West	7729411548	NA	Manola Crystal Arphai	NA	Single Family Home	Heating Oil AST Present	AST, petroleum contaminated soil/groundwater	Low	Heating oil AST was observed on the southside of the home.
16	AST	1745 NC Highway 62 West	7729510314	NA	Martha Y Snyder	NA	Single Family Home	Heating Oil AST Present	AST, petroleum contaminated soil/groundwater	Low	Heating oil AST was observed on southside of home.
17	AST	1743 NC Highway 62 West	7729511351	NA	Clarence William Davis	NA	Single Family Home	Heating Oil AST Present	AST, petroleum contaminated soil/groundwater	Low	Heating oil AST was observed on southside of home. Owner stated that the property had no USTs.
18	AST	1648 R2 Kersey Valley Road	7729230432	NA	Michael A Carico	NA	Single Family Home	Heating Oil AST Present	AST, petroleum contaminated soil/groundwater	Low	Heating oil AST was observed on southside of home.
19	AST	1648 Kersey Valley Road	7729232462	NA	Patricia Kay Foddrell	NA	Single Family Home	Heating Oil AST Present	AST, petroleum contaminated soil/groundwater	Low	Heating oil AST was observed on the southside of home.
20	AST	1642 Kersey Valley Road	7729232720	NA	Pauline M Mashburn	NA	Single Family Home	Heating Oil AST Present	AST, petroleum contaminated soil/groundwater	Low	Heating oil AST was observed on east side of home.
21	AST	1640 Kersey Valley Road	7729233720	NA	Ruby M Cox	NA	Single Family Home	Heating Oil AST Present	AST, petroleum contaminated soil/groundwater	Low	Heating oil AST was observed on west side of home.
22	UST	1656 Kersey Valley Road	7729139292	NA	LBD Properties, LLC	NA	Single Family Home	Heating Oil UST Present	UST, petroleum contaminated soil/groundwater	Low	Probable heating oil UST was observed on south side of home.
23	AST	1650 Kersey Valley Road	7729235624	NA	Darrell J. Smith	NA	Single Family Home	Heating Oil AST Present	AST, petroleum contaminated soil/groundwater	Low	Heating oil AST was observed on south side of home.

APPENDIX C

PARCEL DETAILS

Map ID: 1

921 LIBERTY ROAD

Property Name

Dillon Automotive
921 Liberty Road
High Point, NC 27263
Facility ID: NA
PIN: 7719825061
Historic Addresses:
None observed

Property Owner

921 Properties, LLC
921 Liberty Road
High Point, NC 27263
Database Listing: NA
UST Owner: NA



DILLON AUTO SHOP, FACING NORTH

This site is currently an automotive shop located at 921 Liberty Road, southwest of the intersection of Liberty Road and Longview Drive. A review of historical record sources indicates that the site was first developed as an automotive shop in 1942 and improved in 1968. The owner of the property stated that the site had no known usage of USTs but that the shop utilized waste oil heating. In-ground hydraulic lifts were observed within the building. Because of the current and historical use as an automotive shop, there is a potential for petroleum and/or chlorinated solvent soil and groundwater impact within the proposed project study area. **This site is anticipated to present low geoenvironmental impact to the project.**

Map ID: 7

1011 LIBERTY ROAD

Property Name

Twin Roads Food Mart
1011 Liberty Road
High Point, NC 27263

Facility ID: 19265

PIN: 7719925383

Historic Addresses:

None observed

Property Owner

Linda A Terrell
1010 Shamrock Road
High Point, NC 27265

Database Listings: LUST, LUST TRUST, UST,
Financial Assurance, EDR Hist Auto LUST Incident
37896

LUST Incident: 37896

UST Owner: Rex Oil Company

USTs: Current: 4,000-gallon gasoline UST installed in 1980, 4,000-gallon gasoline UST installed in 2011, and 8,000-gallon gasoline UST installed in 2011. Removed: 2,000 and 4,000-gallon gasoline USTs, both installed in 1980 and removed in 2011.



TWIN ROADS SERVICE STATION, FACING SOUTHWEST

This site is located at 1011 Liberty Road, immediately west of the intersection of Liberty Road and East Fairfield Road. The site is currently developed as a retail gasoline station and convenience store. The site is listed on the UST and leaking UST databases. A release that impacted groundwater occurred in 2011 (incident 37896/WS-8525) and is listed as still being in the "Response" incident phase despite two tank removals occurring the same year. A review of historical record sources indicates that the site was first developed in 1954 and improved in 1990. Prior to the 1950s, the property was undeveloped land. Because the facility operates as a gasoline service station with a known release, there is a potential that soil and groundwater contamination exist in the project study area. **This site is anticipated to present low geoenvironmental impact to the project.**

Map ID: 9

1113/1117/1119 LIBERTY ROAD

Property Name

Cecil Farms
1113, 1117, and 1119 Liberty Road
Archdale, NC 27263

Facility ID: NA

PIN(s): 7729047149; 7729026409;
7729027459

Historic Addresses:

None observed

Property Owner

Thomas Huff, Bobby Cecil, Ervin Cecil, and Nancy
Cecil

1117 Liberty Road
High Point, NC 27263

Database Listings: No database listings

UST Owner: NA



CECIL FARMS, FACING NORTH

The site is located at 1117 Liberty Road, east of the intersection of Liberty Road and East Fairfield Road. The site has been operated as a family farm since 1917. The site was not identified in any environmental databases. During site reconnaissance, a 550-gallon AST, a 4,000-gallon AST, and four 55-gallon drums were observed. A probable pesticide/herbicide mixing area was also noted. Based on the information reviewed, there is a potential for soil and groundwater impact in the proposed project study area on this parcel. **This site is anticipated to present low geoenvironmental impact to the project.**

Map ID: 10

1128 LIBERTY ROAD

Property Name

BP Gasoline Service Station
1128 Liberty Road
Archdale, NC 27263

Facility ID: 32669

PIN: 7729124152

Historic Addresses:

None observed

Property Owner

Smith & Shore Oil Company
PO Box 4525
Archdale, NC 27263

Database Listings: UST

UST Owner: Smith & Shore Oil Company, Inc.

USTs: 4 total, all installed 1992: 3 10,000-gallon gasoline USTs and 1 6,000-gallon diesel UST



BP SERVICE STATION, FACING SOUTH

The site is located at 1128 Liberty Road, west of the intersection of Liberty Road and Kersey Valley Road. The site was identified on the UST database with no reported releases. Historical records reviewed indicated that the facility was first developed as a gasoline station in 1991 and improved in 2005. Because the site is an active gasoline service station, there is a potential that soil and groundwater contamination exist in the project study area. **This site is anticipated to present low geoenvironmental impact to the project.**

Map ID: 14

1771 NC HIGHWAY 62 WEST

Property Name

Citgo Gasoline Service Station
1771 NC Highway 62 West
Archdale, NC 27263

Facility ID: 36341

PIN: 7729315666

Historic Addresses:

None observed

Property Owner

Coastal Business Partners, LLC
1771 NC Highway 62 West
Archdale, NC 27263

Database Listings: UST, Financial Assurance

UST Owner: Empire Petroleum Partners, LLC

USTs: 4 total, all installed 2001: 12,000-gallon gasoline UST, 10,000-gallon gasoline UST, 10,000-gallon diesel UST, 2,000-gallon kerosene UST



CITGO SERVICE STATION, FACING SOUTHWEST

This site is located at 1771 NC Highway 62 West, immediately southwest of the intersection of NC Highway 62 West and Weant Road. The site is currently developed as a gasoline service station and restaurant. The site is listed on the UST database with no reported releases. The site was undeveloped land prior to development of the current gasoline service station in 2001. Because the facility operates as a gasoline service station, there is a potential that soil and groundwater contamination exist in the project study area. **This site is anticipated to present low geoenvironmental impact to the project.**

RESIDENTIAL PARCELS

Property Owners

Map ID: 2

Ahsan Ullah
1506 East Fairfield Road
High Point, NC 27263
Parcel Address: 1874 A Sechrest Circle
PIN: 7719825831



1874 A SECHREST CIRCLE (AST)

Map ID: 3

Ahsan Ullah
1506 East Fairfield Road
High Point, NC 27263
Parcel Address: 1506 East Fairfield Road
PIN: 7719825945



1506 EAST FAIRFIELD ROAD (UST)

Map ID: 4

Fidel Daniel Gomez
1513 East Fairfield Road
High Point, NC 27263
Parcel Address: 1513 East Fairfield Road
PIN: 7719838154



1513 EAST FAIRFIELD ROAD (AST)

Map ID: 5

Ahsan Ullah
1506 East Fairfield Road
High Point, NC 27263
Parcel Address: 1516 East Fairfield Road
PIN: 7719828800



1516 EAST FAIRFIELD ROAD (UST)

The residential parcels were observed by Kleinfelder for the obvious presence of heating oil USTs or aboveground storage tanks from the public right of way. In some cases, property owners were available to answer questions and/or grant permission for a more thorough inspection of the property. Because these properties are either current or past sites of heating oil USTs or ASTs, there is a potential that soil or groundwater contamination may exist within the project study area. **These sites are anticipated to present low geoenvironmental impact to the project.**

RESIDENTIAL PARCELS (CONTINUED)

Property Owners

Map ID: 6

Atiq U Rahman
1520 East Fairfield Road
High Point, NC 27263
Parcel Address: 1520 East Fairfield Road
PIN: 7719829717



1520 EAST FAIRFIELD ROAD (UST)

Map ID: 8

Gary Dwayne Brewer
3018 W Sedgfield Drive
Greensboro, NC 27407
Parcel Address: 935 Liberty Road
PIN: 7719829247



935 LIBERTY ROAD (UST)

Map ID: 13

Faye L Thomas
123 Saint Andrews Drive
High Point, NC 27265
Parcel Address: 7004 Bluewood Court
PIN: 7729410336



7004 BLUEWOOD COURT (AST)

Map ID: 11

Betty L Ingram
7011 Bluewood Court
High Point, NC 27263
Parcel Address: 7011 Bluewood Court
PIN: 7729401983



7011 BLUEWOOD COURT (former UST)

The residential parcels were observed by Kleinfelder for the obvious presence of heating oil USTs or aboveground storage tanks from the public right of way. In some cases, property owners were available to answer questions and/or grant permission for a more thorough inspection of the property. Because these properties are either current or past sites of heating oil USTs or ASTs, there is a potential that soil or groundwater contamination may exist within the project study area. **These sites are anticipated to present low geoenvironmental impact to the project.**

RESIDENTIAL PARCELS (CONTINUED)

Property Owners

Map ID: 12

Rodney E Otwell
6305 Modlin Grove Road
High Point, NC 27263
Parcel Address: 6305 Modlin Grove Road
PIN: 7729418996



6305 MODLINE GROVE ROAD (AST)

Map ID: 15

Manola Crystal Arphai
1101 Pershing Street
High Point, NC 27260
Parcel Address: 1761 NC Highway 62 West
PIN: 7729411548



1761 NC HIGHWAY 62 WEST (AST)

Map ID: 16

Martha Y Snyder
1745 NC Highway 62 West
High Point, NC 27263
Parcel Address: 1745 NC Highway 62 West
PIN: 7729510314



1745 NC HIGHWAY 62 WEST (AST)

Map ID: 17

Clarence William Davis
1743 NC Highway 62 West
High Point, NC 27263
Parcel Address: 1743 NC Highway 62 West
PIN: 7729511351



1743 NC HIGHWAY 62 WEST (AST)

The residential parcels were observed by Kleinfelder for the obvious presence of heating oil USTs or aboveground storage tanks from the public right of way. In some cases, property owners were available to answer questions and/or grant permission for a more thorough inspection of the property. Because these properties are either current or past sites of heating oil USTs or ASTs, there is a potential that soil or groundwater contamination may exist within the project study area. **These sites are anticipated to present low geoenvironmental impact to the project.**

RESIDENTIAL PARCELS (CONTINUED)

Property Owners

Map ID: 18

Michael A Carico
1644 Kersey Valley Road
High Point, NC 27263
Parcel Address: 1648 R2 Kersey Valley Road
PIN: 7729230432



1648 R2 KERSEY VALLEY ROAD (AST)

Map ID: 19

Patricia Kay Foddrell
1648 Kersey Valley Road
High Point, NC 27263
Parcel Address: 1648 Kersey Valley Road
PIN: 7729232462



1648 KERSEY VALLEY ROAD (AST)

Map ID: 20

Pauline M Mashburn
1642 Kersey Valley Road
High Point, NC 27263
Parcel Address: 1642 Kersey Valley Road
PIN: 7729232720



1642 KERSEY VALLEY ROAD (AST)

Map ID: 21

Ruby M Cox
1640 Kersey Valley Road
High Point, NC 27263
Parcel Address: 1640 Kersey Valley Road
PIN: 7729233720



1640 KERSEY VALLEY ROAD (AST)

The residential parcels were observed by Kleinfelder for the obvious presence of heating oil USTs or aboveground storage tanks from the public right of way. In some cases, property owners were available to answer questions and/or grant permission for a more thorough inspection of the property. Because these properties are either current or past sites of heating oil USTs or ASTs, there is a potential that soil or groundwater contamination may exist within the project study area. **These sites are anticipated to present low geoenvironmental impact to the project.**

RESIDENTIAL PARCELS (CONTINUED)

Property Owners

Map ID: 22

LBD Properties, LLC
2905 Ellington Court
Jamesville, NC 27282

Parcel Address: 1656 Kersey Valley Road
PIN: 7729139292



1656 Kersey Valley Road (AST)

Property Owners

Map ID: 23

Darrel J. Smith
1650 Kersey Valley Road
High Point, NC 27263

Parcel Address: 1650 Kersey Valley Road
PIN: 772924564



1650 Kersey Valley Road (AST)

The residential parcels were observed by Kleinfelder for the obvious presence of heating oil USTs or aboveground storage tanks from the public right of way. In some cases, property owners were available to answer questions and/or grant permission for a more thorough inspection of the property. Because these properties are either current or past sites of heating oil USTs or ASTs, there is a potential that soil or groundwater contamination may exist within the project study area. **These sites are anticipated to present low geoenvironmental impact to the project.**

APPENDIX D
EDR INFORMATION

U6018

NC 62

High Point, NC 27263

Inquiry Number: 5370776.2s

July 24, 2018

The EDR Radius Map™ Report with GeoCheck®



6 Armstrong Road, 4th floor
Shelton, CT 06484
Toll Free: 800.352.0050
www.edrnet.com

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Thank you for your business.
Please contact EDR at 1-800-352-0050
with any questions or comments.

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EXECUTIVE SUMMARY

A search of available environmental records was conducted by Environmental Data Resources, Inc (EDR). The report was designed to assist parties seeking to meet the search requirements of EPA's Standards and Practices for All Appropriate Inquiries (40 CFR Part 312), the ASTM Standard Practice for Environmental Site Assessments (E 1527-13), the ASTM Standard Practice for Environmental Site Assessments for Forestland or Rural Property (E 2247-16), the ASTM Standard Practice for Limited Environmental Due Diligence: Transaction Screen Process (E 1528-14) or custom requirements developed for the evaluation of environmental risk associated with a parcel of real estate.

TARGET PROPERTY INFORMATION

ADDRESS

NC 62
HIGH POINT, NC 27263

COORDINATES

Latitude (North):	35.9250540 - 35° 55' 30.19"
Longitude (West):	79.9396470 - 79° 56' 22.72"
Universal Transverse Mercator:	Zone 17
UTM X (Meters):	595661.4
UTM Y (Meters):	3975955.0
Elevation:	821 ft. above sea level

USGS TOPOGRAPHIC MAP ASSOCIATED WITH TARGET PROPERTY

Target Property Map:	5945535 HIGH POINT EAST, NC
Version Date:	2013

AERIAL PHOTOGRAPHY IN THIS REPORT

Portions of Photo from:	20140827, 20140920
Source:	USDA

MAPPED SITES SUMMARY

Target Property Address:
NC 62
HIGH POINT, NC 27263

Click on Map ID to see full detail.

MAP ID	SITE NAME	ADDRESS	DATABASE ACRONYMS	RELATIVE ELEVATION	DIST (ft. & mi.) DIRECTION
A1	TWIN ROADS	1011 LIBERTY ROAD	LUST, LUST TRUST, UST, Financial Assurance	Higher	1 ft.
A2	TWIN ROADS FOOD MART	1011 LIBERTY RD	EDR Hist Auto	Higher	1 ft.
A3	TWIN ROADS FOODMART	1012 LIBERTY RD	EDR Hist Auto	Higher	1 ft.
4	MOOSETRACKS	1771 NC HWY 62	UST, Financial Assurance	Higher	1 ft.
5	ZINGO EXPRESS 6	1128 LIBERTY ROAD	UST	Higher	1 ft.
6	RUON TRANSPORTATION	I-85 S. AND EXIT 112	LAST	Lower	313, 0.059, East
B7	BSF HOLDINGS LLC	1721 NC HIGHWAY 62 W	UST	Higher	469, 0.089, ESE
B8	T & T MINI MART	1721 NC HWY 62 EAST	IMD	Higher	469, 0.089, ESE
B9	T & T MINI MART	1721 NC 62 EAST	LUST, LUST TRUST	Higher	469, 0.089, ESE
10	DRYE RESIDENCE	2601 INGRAM ROAD	LUST, LUST TRUST, IMD	Lower	2250, 0.426, WNW
11	MEYERS RESIDENCE, SH	1627 JACKSON LAKE RO	LAST	Lower	2464, 0.467, NW
12	COX RESIDENCE, LESLI	6902 APPLETREE RD.	LUST, IMD	Higher	2573, 0.487, East

EXECUTIVE SUMMARY

TARGET PROPERTY SEARCH RESULTS

The target property was not listed in any of the databases searched by EDR.

DATABASES WITH NO MAPPED SITES

No mapped sites were found in EDR's search of available ("reasonably ascertainable ") government records either on the target property or within the search radius around the target property for the following databases:

STANDARD ENVIRONMENTAL RECORDS

Federal NPL site list

NPL..... National Priority List
Proposed NPL..... Proposed National Priority List Sites
NPL LIENS..... Federal Superfund Liens

Federal Delisted NPL site list

Delisted NPL..... National Priority List Deletions

Federal CERCLIS list

FEDERAL FACILITY..... Federal Facility Site Information listing
SEMS..... Superfund Enterprise Management System

Federal CERCLIS NFRAP site list

SEMS-ARCHIVE..... Superfund Enterprise Management System Archive

Federal RCRA CORRACTS facilities list

CORRACTS..... Corrective Action Report

Federal RCRA non-CORRACTS TSD facilities list

RCRA-TSDF..... RCRA - Treatment, Storage and Disposal

Federal RCRA generators list

RCRA-LQG..... RCRA - Large Quantity Generators
RCRA-SQG..... RCRA - Small Quantity Generators
RCRA-CESQG..... RCRA - Conditionally Exempt Small Quantity Generator

Federal institutional controls / engineering controls registries

LUCIS..... Land Use Control Information System
US ENG CONTROLS..... Engineering Controls Sites List

EXECUTIVE SUMMARY

US INST CONTROL..... Sites with Institutional Controls

Federal ERNS list

ERNS..... Emergency Response Notification System

State- and tribal - equivalent NPL

NC HSDS..... Hazardous Substance Disposal Site

State- and tribal - equivalent CERCLIS

SHWS..... Inactive Hazardous Sites Inventory

State and tribal landfill and/or solid waste disposal site lists

SWF/LF..... List of Solid Waste Facilities

OLI..... Old Landfill Inventory

State and tribal leaking storage tank lists

INDIAN LUST..... Leaking Underground Storage Tanks on Indian Land

State and tribal registered storage tank lists

FEMA UST..... Underground Storage Tank Listing

AST..... AST Database

INDIAN UST..... Underground Storage Tanks on Indian Land

State and tribal institutional control / engineering control registries

INST CONTROL..... No Further Action Sites With Land Use Restrictions Monitoring

State and tribal voluntary cleanup sites

INDIAN VCP..... Voluntary Cleanup Priority Listing

VCP..... Responsible Party Voluntary Action Sites

State and tribal Brownfields sites

BROWNFIELDS..... Brownfields Projects Inventory

ADDITIONAL ENVIRONMENTAL RECORDS

Local Brownfield lists

US BROWNFIELDS..... A Listing of Brownfields Sites

Local Lists of Landfill / Solid Waste Disposal Sites

SWRCY..... Recycling Center Listing

HIST LF..... Solid Waste Facility Listing

INDIAN ODI..... Report on the Status of Open Dumps on Indian Lands

DEBRIS REGION 9..... Torres Martinez Reservation Illegal Dump Site Locations

EXECUTIVE SUMMARY

ODI..... Open Dump Inventory
IHS OPEN DUMPS..... Open Dumps on Indian Land

Local Lists of Hazardous waste / Contaminated Sites

US HIST CDL..... Delisted National Clandestine Laboratory Register
US CDL..... National Clandestine Laboratory Register

Local Land Records

LIENS 2..... CERCLA Lien Information

Records of Emergency Release Reports

HMIRS..... Hazardous Materials Information Reporting System
SPILLS..... Spills Incident Listing
SPILLS 90..... SPILLS 90 data from FirstSearch
SPILLS 80..... SPILLS 80 data from FirstSearch

Other Ascertainable Records

RCRA NonGen / NLR..... RCRA - Non Generators / No Longer Regulated
FUDS..... Formerly Used Defense Sites
DOD..... Department of Defense Sites
SCRD DRYCLEANERS..... State Coalition for Remediation of Drycleaners Listing
US FIN ASSUR..... Financial Assurance Information
EPA WATCH LIST..... EPA WATCH LIST
2020 COR ACTION..... 2020 Corrective Action Program List
TSCA..... Toxic Substances Control Act
TRIS..... Toxic Chemical Release Inventory System
SSTS..... Section 7 Tracking Systems
ROD..... Records Of Decision
RMP..... Risk Management Plans
RAATS..... RCRA Administrative Action Tracking System
PRP..... Potentially Responsible Parties
PADS..... PCB Activity Database System
ICIS..... Integrated Compliance Information System
FTTS..... FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)
MLTS..... Material Licensing Tracking System
COAL ASH DOE..... Steam-Electric Plant Operation Data
COAL ASH EPA..... Coal Combustion Residues Surface Impoundments List
PCB TRANSFORMER..... PCB Transformer Registration Database
RADINFO..... Radiation Information Database
HIST FTTS..... FIFRA/TSCA Tracking System Administrative Case Listing
DOT OPS..... Incident and Accident Data
CONSENT..... Superfund (CERCLA) Consent Decrees
INDIAN RESERV..... Indian Reservations
FUSRAP..... Formerly Utilized Sites Remedial Action Program
UMTRA..... Uranium Mill Tailings Sites
LEAD SMELTERS..... Lead Smelter Sites
US AIRS..... Aerometric Information Retrieval System Facility Subsystem
US MINES..... Mines Master Index File
ABANDONED MINES..... Abandoned Mines
FINDS..... Facility Index System/Facility Registry System

EXECUTIVE SUMMARY

ECHO.....	Enforcement & Compliance History Information
UXO.....	Unexploded Ordnance Sites
DOCKET HWC.....	Hazardous Waste Compliance Docket Listing
FUELS PROGRAM.....	EPA Fuels Program Registered Listing
AIRS.....	Air Quality Permit Listing
ASBESTOS.....	ASBESTOS
COAL ASH.....	Coal Ash Disposal Sites
DRYCLEANERS.....	Drycleaning Sites
Financial Assurance.....	Financial Assurance Information Listing
NPDES.....	NPDES Facility Location Listing
UIC.....	Underground Injection Wells Listing
AOP.....	Animal Operation Permits Listing

EDR HIGH RISK HISTORICAL RECORDS

EDR Exclusive Records

EDR MGP.....	EDR Proprietary Manufactured Gas Plants
EDR Hist Cleaner.....	EDR Exclusive Historical Cleaners

EDR RECOVERED GOVERNMENT ARCHIVES

Exclusive Recovered Govt. Archives

RGA HWS.....	Recovered Government Archive State Hazardous Waste Facilities List
RGA LF.....	Recovered Government Archive Solid Waste Facilities List
RGA LUST.....	Recovered Government Archive Leaking Underground Storage Tank

SURROUNDING SITES: SEARCH RESULTS

Surrounding sites were identified in the following databases.

Elevations have been determined from the USGS Digital Elevation Model and should be evaluated on a relative (not an absolute) basis. Relative elevation information between sites of close proximity should be field verified. Sites with an elevation equal to or higher than the target property have been differentiated below from sites with an elevation lower than the target property. Page numbers and map identification numbers refer to the EDR Radius Map report where detailed data on individual sites can be reviewed.

Sites listed in ***bold italics*** are in multiple databases.

Unmappable (orphan) sites are not considered in the foregoing analysis.

STANDARD ENVIRONMENTAL RECORDS

State and tribal leaking storage tank lists

LAST: A listing of leaking aboveground storage tank site locations.

A review of the LAST list, as provided by EDR, and dated 05/04/2018 has revealed that there are 2 LAST sites within approximately 0.5 miles of the target property.

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
RUON TRANSPORTATION	I-85 S. AND EXIT 112	E 0 - 1/8 (0.059 mi.)	6	16

EXECUTIVE SUMMARY

Incident Number: 95177

Current Status: C

MEYERS RESIDENCE, SH

1627 JACKSON LAKE RO

NW 1/4 - 1/2 (0.467 mi.)

11

25

Close Out: 07/25/2014

Incident Number: 95296

Current Status: C

LUST: The Leaking Underground Storage Tank Incidents Management Database contains an inventory of reported leaking underground storage tank incidents. The data come from the Department of Environment, & Natural Resources' Incidents by Address.

A review of the LUST list, as provided by EDR, and dated 05/04/2018 has revealed that there are 4 LUST sites within approximately 0.5 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
TWIN ROADS Incident Phase: Response Incident Number: 37896 Current Status: File Located in House	1011 LIBERTY ROAD	0 - 1/8 (0.000 mi.)	A1	8
T & T MINI MART Incident Phase: Remedial Action Implemented Incident Number: 19645 Current Status: File Located in House	1721 NC 62 EAST	ESE 0 - 1/8 (0.089 mi.)	B9	21
COX RESIDENCE, LESLI Incident Phase: Closed Out Incident Number: 3497 Current Status: File Located in Archives	6902 APPLETREE RD.	E 1/4 - 1/2 (0.487 mi.)	12	27

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
DRYE RESIDENCE Incident Phase: Closed Out Incident Number: 23632 Current Status: File Located in Archives	2601 INGRAM ROAD	WNW 1/4 - 1/2 (0.426 mi.)	10	23

LUST TRUST: This database contains information about claims against the State Trust Funds for reimbursements for expenses incurred while remediating Leaking USTs.

A review of the LUST TRUST list, as provided by EDR, and dated 04/06/2018 has revealed that there are 3 LUST TRUST sites within approximately 0.5 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
TWIN ROADS Facility Id: 0-019265 Site ID: 37896	1011 LIBERTY ROAD	0 - 1/8 (0.000 mi.)	A1	8
T & T MINI MART Facility Id: 0-034458 Site ID: 19645	1721 NC 62 EAST	ESE 0 - 1/8 (0.089 mi.)	B9	21
<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
DRYE RESIDENCE	2601 INGRAM ROAD	WNW 1/4 - 1/2 (0.426 mi.)	10	23

EXECUTIVE SUMMARY

Site ID: 23632

State and tribal registered storage tank lists

UST: The Underground Storage Tank database contains registered USTs. USTs are regulated under Subtitle I of the Resource Conservation and Recovery Act (RCRA). The data come from the Department of Environment & Natural Resources' Petroleum Underground Storage Tank Database.

A review of the UST list, as provided by EDR, and dated 05/04/2018 has revealed that there are 4 UST sites within approximately 0.25 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
TWIN ROADS Tank Status: Intent to Install Tank Status: Removed Tank Status: Current Facility Id: 00-0-0000019265	1011 LIBERTY ROAD	0 - 1/8 (0.000 mi.)	A1	8
MOOSETRACKS Tank Status: Current Facility Id: 00-0-0000036341	1771 NC HWY 62	0 - 1/8 (0.000 mi.)	4	13
ZINGO EXPRESS 6 Tank Status: Current Facility Id: 00-0-0000032669	1128 LIBERTY ROAD	0 - 1/8 (0.000 mi.)	5	14
BSF HOLDINGS LLC Tank Status: Current Tank Status: Removed Facility Id: 00-0-0000034458	1721 NC HIGHWAY 62 W	ESE 0 - 1/8 (0.089 mi.)	B7	18

ADDITIONAL ENVIRONMENTAL RECORDS

Records of Emergency Release Reports

IMD: Incident Management Database.

A review of the IMD list, as provided by EDR, and dated 07/21/2006 has revealed that there are 3 IMD sites within approximately 0.5 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
T & T MINI MART Facility Id: 19645	1721 NC HWY 62 EAST	ESE 0 - 1/8 (0.089 mi.)	B8	20
COX RESIDENCE, LESLI Facility Id: 3497	6902 APPLETREE RD.	E 1/4 - 1/2 (0.487 mi.)	12	27
<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
DRYE RESIDENCE	2601 INGRAM ROAD	WNW 1/4 - 1/2 (0.426 mi.)	10	23

EXECUTIVE SUMMARY

Facility Id: 23632

EDR HIGH RISK HISTORICAL RECORDS

EDR Exclusive Records

EDR Hist Auto: 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 Hist Auto list, as provided by EDR, has revealed that there are 2 EDR Hist Auto sites within approximately 0.125 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
TWIN ROADS FOOD MART	1011 LIBERTY RD	0 - 1/8 (0.000 mi.)	A2	12
TWIN ROADS FOODMART	1012 LIBERTY RD	0 - 1/8 (0.000 mi.)	A3	12

EXECUTIVE SUMMARY

Due to poor or inadequate address information, the following sites were not mapped. Count: 1 records.

<u>Site Name</u>	<u>Database(s)</u>
HIGH POINT I-85 TRUCK ROLLOVER	SEMS

OVERVIEW MAP - 5370776.2S



Target Property

Sites at elevations higher than or equal to the target property

Sites at elevations lower than the target property

Manufactured Gas Plants

National Priority List Sites

Dept. Defense Sites

0 1/4 1/2 1 Miles

Indian Reservations BIA

County Boundary

Power transmission lines

100-year flood zone

500-year flood zone

National Wetland Inventory

State Wetlands

Upgradient Area

Hazardous Substance Disposal Sites

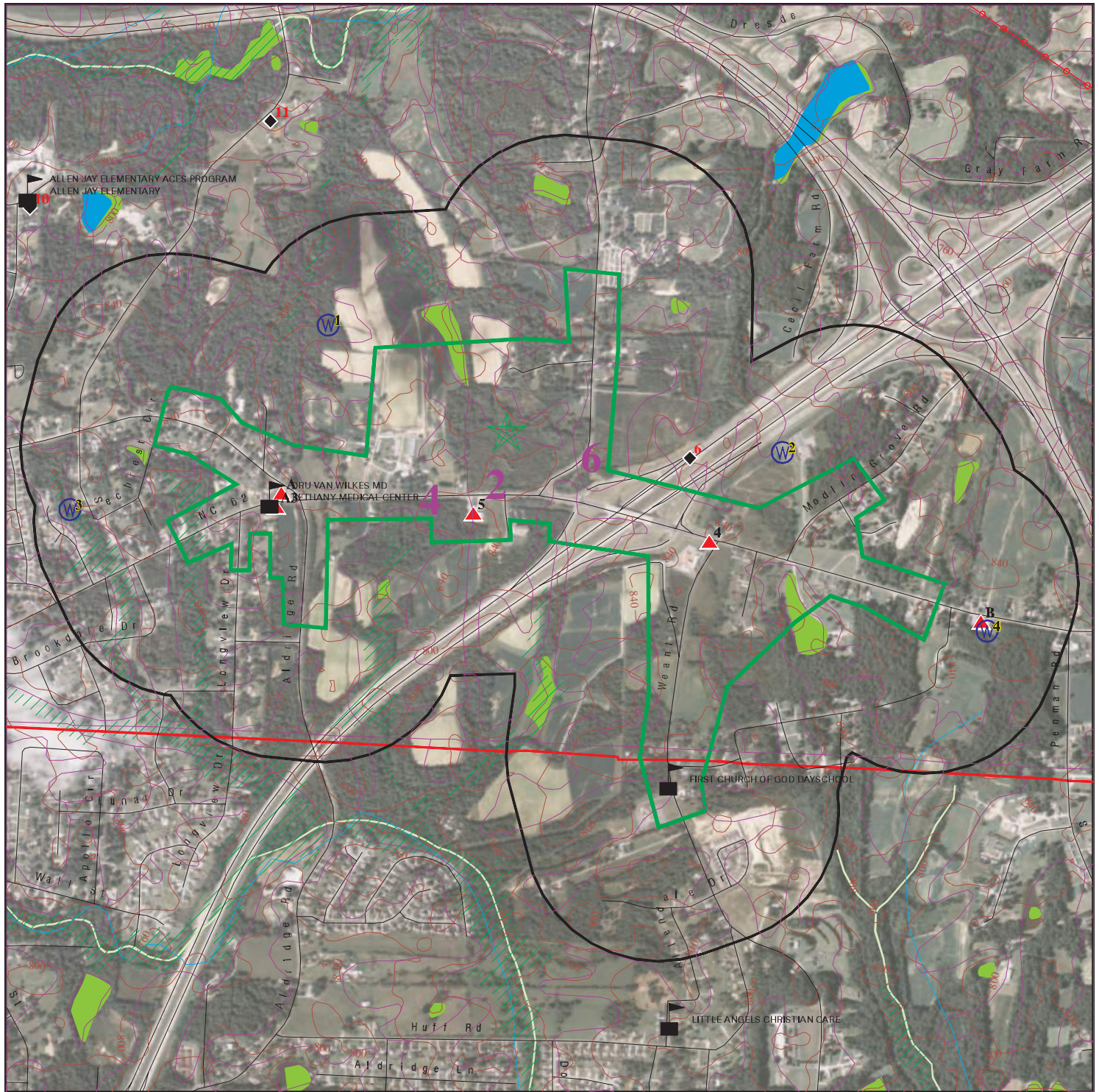


This report includes Interactive Map Layers to display and/or hide map information. The legend includes only those icons for the default map view.

SITE NAME: U6018
ADDRESS: NC 62
High Point NC 27263
LAT/LONG: 35.925054 / 79.939647

CLIENT: Kleinfelder Inc.
CONTACT: Joseph C Hollinger
INQUIRY #: 5370776.2s
DATE: July 24, 2018 12:52 pm

DETAIL MAP - 5370776.2S



- Target Property
- Sites at elevations higher than or equal to the target property
- Sites at elevations lower than the target property
- Manufactured Gas Plants
- Sensitive Receptors
- National Priority List Sites
- Dept. Defense Sites

- Indian Reservations BIA
- County Boundary
- Power transmission lines
- 100-year flood zone
- 500-year flood zone
- National Wetland Inventory
- State Wetlands

- Hazardous Substance Disposal Sites

This report includes Interactive Map Layers to display and/or hide map information. The legend includes only those icons for the default map view.

SITE NAME: U6018
 ADDRESS: NC 62
 High Point NC 27263
 LAT/LONG: 35.925054 / 79.939647

CLIENT: Kleinfelder Inc.
 CONTACT: Joseph C Hollinger
 INQUIRY #: 5370776.2s
 DATE: July 24, 2018 12:55 pm

MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
STANDARD ENVIRONMENTAL RECORDS								
<i>Federal NPL site list</i>								
NPL	1.000		0	0	0	0	NR	0
Proposed NPL	1.000		0	0	0	0	NR	0
NPL LIENS	TP		NR	NR	NR	NR	NR	0
<i>Federal Delisted NPL site list</i>								
Delisted NPL	1.000		0	0	0	0	NR	0
<i>Federal CERCLIS list</i>								
FEDERAL FACILITY	0.500		0	0	0	NR	NR	0
SEMS	0.500		0	0	0	NR	NR	0
<i>Federal CERCLIS NFRAP site list</i>								
SEMS-ARCHIVE	0.500		0	0	0	NR	NR	0
<i>Federal RCRA CORRACTS facilities list</i>								
CORRACTS	1.000		0	0	0	0	NR	0
<i>Federal RCRA non-CORRACTS TSD facilities list</i>								
RCRA-TSDF	0.500		0	0	0	NR	NR	0
<i>Federal RCRA generators list</i>								
RCRA-LQG	0.250		0	0	NR	NR	NR	0
RCRA-SQG	0.250		0	0	NR	NR	NR	0
RCRA-CESQG	0.250		0	0	NR	NR	NR	0
<i>Federal institutional controls / engineering controls registries</i>								
LUCIS	0.500		0	0	0	NR	NR	0
US ENG CONTROLS	0.500		0	0	0	NR	NR	0
US INST CONTROL	0.500		0	0	0	NR	NR	0
<i>Federal ERNS list</i>								
ERNS	TP		NR	NR	NR	NR	NR	0
<i>State- and tribal - equivalent NPL</i>								
NC HSDS	1.000		0	0	0	0	NR	0
<i>State- and tribal - equivalent CERCLIS</i>								
SHWS	1.000		0	0	0	0	NR	0
<i>State and tribal landfill and/or solid waste disposal site lists</i>								
SWF/LF	0.500		0	0	0	NR	NR	0
OLI	0.500		0	0	0	NR	NR	0
<i>State and tribal leaking storage tank lists</i>								
LAST	0.500		1	0	1	NR	NR	2

MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
LUST	0.500		2	0	2	NR	NR	4
INDIAN LUST	0.500		0	0	0	NR	NR	0
LUST TRUST	0.500		2	0	1	NR	NR	3
State and tribal registered storage tank lists								
FEMA UST	0.250		0	0	NR	NR	NR	0
UST	0.250		4	0	NR	NR	NR	4
AST	0.250		0	0	NR	NR	NR	0
INDIAN UST	0.250		0	0	NR	NR	NR	0
State and tribal institutional control / engineering control registries								
INST CONTROL	0.500		0	0	0	NR	NR	0
State and tribal voluntary cleanup sites								
INDIAN VCP	0.500		0	0	0	NR	NR	0
VCP	0.500		0	0	0	NR	NR	0
State and tribal Brownfields sites								
BROWNFIELDS	0.500		0	0	0	NR	NR	0
ADDITIONAL ENVIRONMENTAL RECORDS								
Local Brownfield lists								
US BROWNFIELDS	0.500		0	0	0	NR	NR	0
Local Lists of Landfill / Solid Waste Disposal Sites								
SWRCY	0.500		0	0	0	NR	NR	0
HIST LF	0.500		0	0	0	NR	NR	0
INDIAN ODI	0.500		0	0	0	NR	NR	0
DEBRIS REGION 9	0.500		0	0	0	NR	NR	0
ODI	0.500		0	0	0	NR	NR	0
IHS OPEN DUMPS	0.500		0	0	0	NR	NR	0
Local Lists of Hazardous waste / Contaminated Sites								
US HIST CDL	TP		NR	NR	NR	NR	NR	0
US CDL	TP		NR	NR	NR	NR	NR	0
Local Land Records								
LIENS 2	TP		NR	NR	NR	NR	NR	0
Records of Emergency Release Reports								
HMIRS	TP		NR	NR	NR	NR	NR	0
SPILLS	TP		NR	NR	NR	NR	NR	0
IMD	0.500		1	0	2	NR	NR	3
SPILLS 90	TP		NR	NR	NR	NR	NR	0
SPILLS 80	TP		NR	NR	NR	NR	NR	0
Other Ascertainable Records								
RCRA NonGen / NLR	0.250		0	0	NR	NR	NR	0

MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
FUDS	1.000		0	0	0	0	NR	0
DOD	1.000		0	0	0	0	NR	0
SCRD DRYCLEANERS	0.500		0	0	0	NR	NR	0
US FIN ASSUR	TP		NR	NR	NR	NR	NR	0
EPA WATCH LIST	TP		NR	NR	NR	NR	NR	0
2020 COR ACTION	0.250		0	0	NR	NR	NR	0
TSCA	TP		NR	NR	NR	NR	NR	0
TRIS	TP		NR	NR	NR	NR	NR	0
SSTS	TP		NR	NR	NR	NR	NR	0
ROD	1.000		0	0	0	0	NR	0
RMP	TP		NR	NR	NR	NR	NR	0
RAATS	TP		NR	NR	NR	NR	NR	0
PRP	TP		NR	NR	NR	NR	NR	0
PADS	TP		NR	NR	NR	NR	NR	0
ICIS	TP		NR	NR	NR	NR	NR	0
FTTS	TP		NR	NR	NR	NR	NR	0
MLTS	TP		NR	NR	NR	NR	NR	0
COAL ASH DOE	TP		NR	NR	NR	NR	NR	0
COAL ASH EPA	0.500		0	0	0	NR	NR	0
PCB TRANSFORMER	TP		NR	NR	NR	NR	NR	0
RADINFO	TP		NR	NR	NR	NR	NR	0
HIST FTTS	TP		NR	NR	NR	NR	NR	0
DOT OPS	TP		NR	NR	NR	NR	NR	0
CONSENT	1.000		0	0	0	0	NR	0
INDIAN RESERV	1.000		0	0	0	0	NR	0
FUSRAP	1.000		0	0	0	0	NR	0
UMTRA	0.500		0	0	0	NR	NR	0
LEAD SMELTERS	TP		NR	NR	NR	NR	NR	0
US AIRS	TP		NR	NR	NR	NR	NR	0
US MINES	0.250		0	0	NR	NR	NR	0
ABANDONED MINES	0.250		0	0	NR	NR	NR	0
FINDS	TP		NR	NR	NR	NR	NR	0
ECHO	TP		NR	NR	NR	NR	NR	0
UXO	1.000		0	0	0	0	NR	0
DOCKET HWC	TP		NR	NR	NR	NR	NR	0
FUELS PROGRAM	0.250		0	0	NR	NR	NR	0
AIRS	TP		NR	NR	NR	NR	NR	0
ASBESTOS	TP		NR	NR	NR	NR	NR	0
COAL ASH	0.500		0	0	0	NR	NR	0
DRYCLEANERS	0.250		0	0	NR	NR	NR	0
Financial Assurance	TP		NR	NR	NR	NR	NR	0
NPDES	TP		NR	NR	NR	NR	NR	0
UIC	TP		NR	NR	NR	NR	NR	0
AOP	TP		NR	NR	NR	NR	NR	0

EDR HIGH RISK HISTORICAL RECORDS

EDR Exclusive Records

EDR MGP	1.000	0	0	0	0	NR	0
EDR Hist Auto	0.125	2	NR	NR	NR	NR	2

MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
EDR Hist Cleaner	0.125		0	NR	NR	NR	NR	0
<u>EDR RECOVERED GOVERNMENT ARCHIVES</u>								
<i>Exclusive Recovered Govt. Archives</i>								
RGA HWS	TP		NR	NR	NR	NR	NR	0
RGA LF	TP		NR	NR	NR	NR	NR	0
RGA LUST	TP		NR	NR	NR	NR	NR	0
- Totals --		0	12	0	6	0	0	18

NOTES:

TP = Target Property

NR = Not Requested at this Search Distance

Sites may be listed in more than one database

Map ID
Direction
Distance
Elevation

MAP FINDINGS

EDR ID Number
EPA ID Number

A1
TWIN ROADS
1011 LIBERTY ROAD
< 1/8
1 ft.
HIGH POINT, NC 27260
Site 1 of 3 in cluster A

LUST
LUST TRUST
UST
Financial Assurance
U001198487
N/A

Relative:
Higher
Actual:
829 ft.

LUST:
Facility ID: 00-0-000
UST Number: WS-8525
Incident Number: 37896
Contamination Type: GW
Source Type: Leak-underground
Product Type: P
Date Reported: 03/29/2011
Date Occur: 03/29/2011
Cleanup: 10/20/2011
Closure Request: Not reported
Close Out: Not reported
Level Of Soil Cleanup Achieved: Soil to Groundwater
Tank Regulated Status: R
Of Supply Wells: 2
Commercial/NonCommercial UST Site: COMMERCIAL
Risk Classification: U
Risk Class Based On Review: H
Corrective Action Plan Type: Not reported
NOV Issue Date: Not reported
NORR Issue Date: Not reported
Site Priority: Not reported
Phase Of LSA Req: Not reported
Site Risk Reason: Free product
Land Use: Residential
MTBE: Yes
MTBE1: Yes
Flag: Yes
Flag1: No
LUR Filed: Not reported
Release Detection: 0
Current Status: File Located in House
RBCA GW: Cleanups to 2L.0202 standards
PETOPT: 3
RPL: False
CD Num: 0
Reel Num: 0
RPOW: True
RPOP: False
Error Flag: 0
Error Code: N
Valid: False
Lat/Long Decimal: 35.9233 -79.9470
Testlat: Not reported
Regional Officer Project Mgr: SKC
Region: WS
Company: REX OIL COMPANY
Contact Person: HAROLD KENNEDY
Telephone: 3364723000
RP Address: 1000 LEXINGTON AVENUE
RP City,St,Zip: THOMASVILLE, NC 27360
RP County: Not reported
Comments: SIR INDICATED A POSSIBLE REPLEASE. TANK TIGHTNESS TEST INDICATED A

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

TWIN ROADS (Continued)

U001198487

HOLE IN MID-GRADE GASOLINE TANK. NORR ISSUED 4/18/2011

5 Min Quad: Not reported

PIRF:

Facility Id: 37896

Date Occurred: 2011-03-29 00:00:00

Date Reported: 2011-11-07 00:00:00

Description Of Incident: The SIR indicated possible release in th midgrade gasoline tank and the tank tightness test failed. Soil samples were collected on 10/19/2011

Owner/Operator: Not reported

Ownership: 4

Operation Type: 6

Type: 3

Location: 1

Site Priority: Not reported

Priority Update: Not reported

Wells Affected Y/N: Not reported

Samples Include: Not reported

7#5 Minute Quad: Y

5 Minute Quad: Not reported

Pirf/Min Soil: Not reported

Release Code: Not reported

Source Code: Not reported

Err Type: 1

Cause: 4

Source: A

Ust Number: P

Last Modified: Not reported

Incident Phase: Response

NOV Issued: 2013-02-25 00:00:00

NORR Issued: 2013-11-04 00:00:00

45 Day Report: Not reported

Public Meeting Held: Not reported

Corrective Action Planned: Not reported

SOC Signed: Not reported

Reclassification Report: Not reported

RS Designation: Not reported

Closure Request Date: Not reported

Close-out Report: Not reported

LUST TRUST:

Facility ID: 0-019265

Site ID: 37896

Site Note: Commercial; \$20,000 deductible; 100% eligible for costs that exceed the \$20,000 deductible.[CGS 5/7/12]

Site Eligible?: True

Commercial Find: 100% Commercial

Priority Rank: Not reported

Deductable Amount: 20000

3rd Party Deductable Amt: 0

Sum 3rd Party Amt Applied: 1190

UST:

Facility Id: 00-0-0000019265

Contact: TWIN ROADS FOOD MART, LLC

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

TWIN ROADS (Continued)

U001198487

Contact Address1: 1010 SHAMROCK ROAD
Contact Address2: Not reported
Contact City/State/Zip: HIGH POINT, NC 27265
FIPS County Desc: Guilford
Latitude: 35.92332
Longitude: -79.94699

Tank Id: 1
Tank Status: Current
Installed Date: 05/07/1980
Perm Close Date: Not reported
Product Name: Gasoline, Gas Mix
Tank Capacity: 4000
Root Tank Id: Not reported
Main Tank: No
Compartment Tank: No
Manifold Tank: Not reported
Commercial: Yes
Regulated: Yes
Other CP Tank: Not reported
Overfill Protection Name: Ball Float Valve
Spill Protection Name: Catchment Basin
Leak Detection Name: Not reported
Decode for TCONS_KEY: Single Wall Steel
Decode for PCONS_KEY: Other
Decode for PSYS_KEY: Unknown

Tank Id: 1A
Tank Status: Intent to Install
Installed Date: 12/01/2011
Perm Close Date: Not reported
Product Name: Gasoline, Gas Mix
Tank Capacity: 8000
Root Tank Id: Not reported
Main Tank: No
Compartment Tank: No
Manifold Tank: 0
Commercial: No
Regulated: No
Other CP Tank: Not reported
Overfill Protection Name: Ball Float Valve
Spill Protection Name: Catchment Basin
Leak Detection Name: Not reported
Decode for TCONS_KEY: Double Wall Steel/Jacketed
Decode for PCONS_KEY: Double Wall Flex
Decode for PSYS_KEY: Pressurized System

Tank Id: 1B
Tank Status: Intent to Install
Installed Date: 12/01/2011
Perm Close Date: Not reported
Product Name: Gasoline, Gas Mix
Tank Capacity: 4000
Root Tank Id: Not reported
Main Tank: No

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

TWIN ROADS (Continued)

U001198487

Compartment Tank: No
Manifold Tank: 0
Commercial: No
Regulated: No
Other CP Tank: Not reported
Overfill Protection Name: Ball Float Valve
Spill Protection Name: Catchment Basin
Leak Detection Name: Not reported
Decode for TCONS_KEY: Double Wall Steel/Jacketed
Decode for PCONS_KEY: Double Wall Flex
Decode for PSYS_KEY: Pressurized System

Tank Id: 2
Tank Status: Removed
Installed Date: 05/07/1980
Perm Close Date: 10/20/2011
Product Name: Gasoline, Gas Mix
Tank Capacity: 2000
Root Tank Id: Not reported
Main Tank: No
Compartment Tank: No
Manifold Tank: 0
Commercial: Yes
Regulated: Yes
Other CP Tank: Not reported
Overfill Protection Name: Ball Float Valve
Spill Protection Name: Catchment Basin
Leak Detection Name: Not reported
Decode for TCONS_KEY: Single Wall Steel
Decode for PCONS_KEY: Other
Decode for PSYS_KEY: Unknown

Tank Id: 3
Tank Status: Removed
Installed Date: 05/07/1980
Perm Close Date: 10/20/2011
Product Name: Gasoline, Gas Mix
Tank Capacity: 4000
Root Tank Id: Not reported
Main Tank: No
Compartment Tank: No
Manifold Tank: 0
Commercial: Yes
Regulated: Yes
Other CP Tank: Not reported
Overfill Protection Name: Ball Float Valve
Spill Protection Name: Catchment Basin
Leak Detection Name: Not reported
Decode for TCONS_KEY: Single Wall Steel
Decode for PCONS_KEY: Other
Decode for PSYS_KEY: Unknown

NC Financial Assurance 1:
Facility ID: 00-0-0000019265
Region: 1

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

TWIN ROADS (Continued)

U001198487

Financial Responsibility Desc: Self-Insurance
Financial Responsibility Name: Twin Roads Food Mart, LLC
Started Date: 05/01/2013
Ended Date: 04/30/2014

A2

**TWIN ROADS FOOD MART
1011 LIBERTY RD
HIGH POINT, NC 27263**

EDR Hist Auto

**1022008409
N/A**

**< 1/8
1 ft.**

Site 2 of 3 in cluster A

**Relative:
Higher**

EDR Hist Auto

**Actual:
829 ft.**

Year:	Name:	Type:
1997	TWIN ROADS FOODMART	Grocery Stores
1998	TWIN ROADS FOODMART	Grocery Stores
1999	TWIN ROADS FOODMART	Grocery Stores
2000	TWIN ROADS FOODMART	Grocery Stores
2001	TWIN ROADS FOOD MART	Grocery Stores
2002	TWIN ROADS FOOD MART	Grocery Stores
2003	TWIN ROADS FOOD MART	Grocery Stores
2004	TWIN ROADS FOOD MART	Grocery Stores
2005	TWIN ROADS FOOD MART	Grocery Stores
2006	TWIN ROADS FOOD MART	Grocery Stores
2007	TWIN ROADS FOOD MART	Grocery Stores
2008	TWIN ROADS FOOD MART	Grocery Stores
2009	TWIN ROADS FOOD MART	Grocery Stores
2010	TWIN ROADS FOOD MART	Grocery Stores
2011	TWIN ROADS FOOD MART	Grocery Stores
2012	TWIN ROADS FOOD MART	Grocery Stores
2013	TWIN ROADS FOOD MART	Grocery Stores
2014	TWIN ROADS FOOD MART	Grocery Stores

A3

**TWIN ROADS FOODMART
1012 LIBERTY RD
HIGH POINT, NC 27263**

EDR Hist Auto

**1022101246
N/A**

**< 1/8
1 ft.**

Site 3 of 3 in cluster A

**Relative:
Higher**

EDR Hist Auto

**Actual:
826 ft.**

Year:	Name:	Type:
1991	TWIN ROADS FOODMART	Grocery Stores
1992	TWIN ROADS FOODMART	Grocery Stores
1993	TWIN ROADS FOODMART	Grocery Stores
1994	TWIN ROADS FOODMART	Grocery Stores
1995	TWIN ROADS FOODMART	Grocery Stores
1996	TWIN ROADS FOODMART	Grocery Stores

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

4
MOOSETRACKS
1771 NC HWY 62
ARCHDALE, NC 27263
< 1/8
1 ft.

UST
Financial Assurance
U003766277
N/A

Relative:
Higher
Actual:
839 ft.

UST:

Facility Id: 00-0-0000036341
Contact: EMPIRE PETROLEUM PARTNERS, LLC
Contact Address1: 8350 N CENTRAL EXPRESSWAY
Contact Address2: SUITE M2185
Contact City/State/Zip: DALLAS, TX 75206-1600
FIPS County Desc: Guilford
Latitude: 35.92138
Longitude: -79.93356

Tank Id: 1
Tank Status: Current
Installed Date: 03/07/2001
Perm Close Date: Not reported
Product Name: Gasoline, Gas Mix
Tank Capacity: 12000
Root Tank Id: Not reported
Main Tank: No
Compartment Tank: No
Manifold Tank: 0
Commercial: Yes
Regulated: Yes
Other CP Tank: Not reported
Overfill Protection Name: Ball Float Valve
Spill Protection Name: Catchment Basin
Leak Detection Name: Not reported
Decode for TCONS_KEY: Single Wall FRP
Decode for PCONS_KEY: SW Flexible Piping
Decode for PSYS_KEY: Pressurized System

Tank Id: 2
Tank Status: Current
Installed Date: 03/07/2001
Perm Close Date: Not reported
Product Name: Gasoline, Gas Mix
Tank Capacity: 10000
Root Tank Id: Not reported
Main Tank: No
Compartment Tank: No
Manifold Tank: 0
Commercial: Yes
Regulated: Yes
Other CP Tank: Not reported
Overfill Protection Name: Ball Float Valve
Spill Protection Name: Catchment Basin
Leak Detection Name: MLLD
Decode for TCONS_KEY: Single Wall FRP
Decode for PCONS_KEY: SW Flexible Piping
Decode for PSYS_KEY: Pressurized System

Tank Id: 3
Tank Status: Current

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

MOOSETRACKS (Continued)

U003766277

Installed Date: 03/07/2001
Perm Close Date: Not reported
Product Name: Diesel
Tank Capacity: 10000
Root Tank Id: Not reported
Main Tank: No
Compartment Tank: No
Manifold Tank: 0
Commercial: Yes
Regulated: Yes
Other CP Tank: Not reported
Overfill Protection Name: Ball Float Valve
Spill Protection Name: Catchment Basin
Leak Detection Name: Not reported
Decode for TCONS_KEY: Single Wall FRP
Decode for PCONS_KEY: SW Flexible Piping
Decode for PSYS_KEY: Pressurized System

Tank Id: 4
Tank Status: Current
Installed Date: 03/07/2001
Perm Close Date: Not reported
Product Name: Kerosene, Kero Mix
Tank Capacity: 2000
Root Tank Id: Not reported
Main Tank: No
Compartment Tank: No
Manifold Tank: 0
Commercial: Yes
Regulated: Yes
Other CP Tank: Not reported
Overfill Protection Name: Ball Float Valve
Spill Protection Name: Catchment Basin
Leak Detection Name: Not reported
Decode for TCONS_KEY: Single Wall FRP
Decode for PCONS_KEY: SW Flexible Piping
Decode for PSYS_KEY: Pressurized System

NC Financial Assurance 1:
Facility ID: 00-0-0000036341
Region: 1
Financial Responsibility Desc: Insurance & Risk Retention
Financial Responsibility Name: Nautilus Insurance Company
Started Date: Not reported
Ended Date: Not reported

5
ZINGO EXPRESS 6
1128 LIBERTY ROAD
HIGH POINT, NC 27263

UST U003092028
N/A

< 1/8
1 ft.

Relative:
Higher
Actual:
852 ft.

UST:
Facility Id: 00-0-0000032669
Contact: SMITH & SHORE OIL CO INC
Contact Address1: 11628 A NORTH MAIN ST/PO BX 4525
Contact Address2: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

ZINGO EXPRESS 6 (Continued)

U003092028

Contact City/State/Zip: ARCHDALE, NC 27263-2767
FIPS County Desc: Guilford
Latitude: 35.92261
Longitude: -79.94066

Tank Id: 1
Tank Status: Current
Installed Date: 01/01/1992
Perm Close Date: Not reported
Product Name: Gasoline, Gas Mix
Tank Capacity: 10000
Root Tank Id: Not reported
Main Tank: No
Compartment Tank: No
Manifold Tank: 0
Commercial: Yes
Regulated: Yes
Other CP Tank: Not reported
Overfill Protection Name: Ball Float Valve
Spill Protection Name: Catchment Basin
Leak Detection Name: Not reported
Decode for TCONS_KEY: Single Wall Steel
Decode for PCONS_KEY: Single Wall FRP
Decode for PSYS_KEY: Unknown

Tank Id: 2
Tank Status: Current
Installed Date: 01/01/1992
Perm Close Date: Not reported
Product Name: Gasoline, Gas Mix
Tank Capacity: 10000
Root Tank Id: Not reported
Main Tank: No
Compartment Tank: No
Manifold Tank: 0
Commercial: Yes
Regulated: Yes
Other CP Tank: Not reported
Overfill Protection Name: Ball Float Valve
Spill Protection Name: Catchment Basin
Leak Detection Name: Not reported
Decode for TCONS_KEY: Single Wall Steel
Decode for PCONS_KEY: Single Wall FRP
Decode for PSYS_KEY: Unknown

Tank Id: 3
Tank Status: Current
Installed Date: 01/01/1992
Perm Close Date: Not reported
Product Name: Gasoline, Gas Mix
Tank Capacity: 10000
Root Tank Id: Not reported
Main Tank: No
Compartment Tank: No
Manifold Tank: 0

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

ZINGO EXPRESS 6 (Continued)

U003092028

Commercial: Yes
Regulated: Yes
Other CP Tank: Not reported
Overfill Protection Name: Ball Float Valve
Spill Protection Name: Catchment Basin
Leak Detection Name: Not reported
Decode for TCONS_KEY: Single Wall Steel
Decode for PCONS_KEY: Single Wall FRP
Decode for PSYS_KEY: Unknown

Tank Id: 4
Tank Status: Current
Installed Date: 01/01/1992
Perm Close Date: Not reported
Product Name: Diesel
Tank Capacity: 6000
Root Tank Id: Not reported
Main Tank: No
Compartment Tank: No
Manifold Tank: 0
Commercial: Yes
Regulated: Yes
Other CP Tank: Not reported
Overfill Protection Name: Ball Float Valve
Spill Protection Name: Catchment Basin
Leak Detection Name: Not reported
Decode for TCONS_KEY: Single Wall Steel
Decode for PCONS_KEY: Single Wall FRP
Decode for PSYS_KEY: Unknown

6
East
< 1/8
0.059 mi.
313 ft.

RUON TRANSPORTATION
I-85 S. AND EXIT 112
ARCHDALE, NC 27263

LAST **S111283851**
N/A

Relative:
Lower

LAST:

Actual:
815 ft.

Facility ID: Not reported
UST Number: WS-88334
Incident Number: 95177
Contamination Type: SL
Source Type: 12
Product Type: P
Date Reported: 08/10/2011
Date Occur: 08/09/2011
Cleanup: Not reported
Closure Request: Not reported
Close Out: Not reported
Level Of Soil Cleanup Achieved: Not reported
Tank Regulated Status: N
Of Supply Wells: 0
Commercial/NonCommercial UST Site: N
Risk Classification: Not reported
Risk Class Based On Review: U
Corrective Action Plan Type: Not reported
NOV Issue Date: Not reported
NORR Issue Date: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

RUON TRANSPORTATION (Continued)

S111283851

Site Priority: Not reported
Phase Of LSA Req: Not reported
Site Risk Reason: Not reported
Land Use: IND
MTBE: No
MTBE1: Unknown
Flag: No
Flag1: No
LUR Filed: Not reported
Release Detection: 0
Current Status: C
RBCA GW: Not reported
PETOPT: 3
RPL: False
CD Num: 0
Reel Num: 0
RPOW: True
RPOP: True
Error Flag: 0
Error Code: N
Valid: False
Lat/Long: 35 55 27.48 79 56 .72
Lat/Long Decimal: 35.92431 -79.93354
Testlat: Not reported
Regional Officer Project Mgr: Not reported
Region: WS
Company: RUON TRANSPORTATION
Contact Person: BRAD KLINE
Telephone: Not reported
RP Address: 3100 RUON CENTER
RP City,St,Zip: DES MOINES, IO 50309
RP County: Not reported
Comments: 24 hour notice rec'd. Lost 75 gallons from the saddles of a truck.
5 Min Quad: Not reported

PIRF:

Facility Id: 95177
Date Occurred: 8/9/2011
Date Reported: 8/10/2011
Description Of Incident: Truck struck road debris and punctured tank. 75 gallons lost.
Owner/Operator: Not reported
Ownership: 4
Operation Type: 2
Type: 3
Location: 8
Site Priority: Not reported
Priority Update: Not reported
Wells Affected Y/N: n
Wells Affected Number: Not reported
Samples Taken By: n
Samples Include: Not reported
7#5 Min Quad: Not reported
5 Min Quad: Not reported
Pirf/Min Soil: Not reported
Release Code: 9
Cause: Not reported
Source: Not reported
Source Type: D

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

RUON TRANSPORTATION (Continued)

S111283851

Last Modified:	Not reported
Incident Phase:	Not reported
NOV Issued:	Not reported
NORR Issued:	Not reported
45 Day Report:	Not reported
Public Meeting Held:	Not reported
Corrective Action Planned:	Not reported
SOC Signed:	Not reported
Reclassification Report:	Not reported
RS Designation:	Not reported
Closure Request Date:	Not reported
Close-out Report:	Not reported

B7
ESE
< 1/8
0.089 mi.
469 ft.

BSF HOLDINGS LLC
1721 NC HIGHWAY 62 WEST
HIGH POINT, NC 27263

UST **U003008446**
N/A

Site 1 of 3 in cluster B

Relative:
Higher

UST:

Actual:
833 ft.

Facility Id:	00-0-0000034458
Contact:	BSF HOLDINGS LLC
Contact Address1:	1721 NC HIGHWAY 62 WEST
Contact Address2:	Not reported
Contact City/State/Zip:	HIGH POINT, NC 27263-9416
FIPS County Desc:	Guilford
Latitude:	35.91969
Longitude:	-79.92402

Tank Id:	1
Tank Status:	Removed
Installed Date:	01/01/1964
Perm Close Date:	01/12/1999
Product Name:	Gasoline, Gas Mix
Tank Capacity:	4000
Root Tank Id:	Not reported
Main Tank:	No
Compartment Tank:	No
Manifold Tank:	Not reported
Commercial:	Yes
Regulated:	Yes
Other CP Tank:	Not reported
Overfill Protection Name:	Unknown
Spill Protection Name:	Unknown
Leak Detection Name:	Unknown
Decode for TCONS_KEY:	Unknown
Decode for PCONS_KEY:	Unknown
Decode for PSYS_KEY:	Unknown

Tank Id:	2
Tank Status:	Removed
Installed Date:	01/01/1964
Perm Close Date:	01/12/1999
Product Name:	Unknown
Tank Capacity:	4000
Root Tank Id:	Not reported
Main Tank:	No

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

BSF HOLDINGS LLC (Continued)

U003008446

Compartment Tank: No
Manifold Tank: Not reported
Commercial: Yes
Regulated: Yes
Other CP Tank: Not reported
Overfill Protection Name: Unknown
Spill Protection Name: Unknown
Leak Detection Name: Unknown
Decode for TCONS_KEY: Unknown
Decode for PCONS_KEY: Unknown
Decode for PSYS_KEY: Unknown

Tank Id: 3
Tank Status: Removed
Installed Date: 01/01/1964
Perm Close Date: 01/12/1999
Product Name: Gasoline, Gas Mix
Tank Capacity: 4000
Root Tank Id: Not reported
Main Tank: No
Compartment Tank: No
Manifold Tank: Not reported
Commercial: Yes
Regulated: Yes
Other CP Tank: Not reported
Overfill Protection Name: Unknown
Spill Protection Name: Unknown
Leak Detection Name: Unknown
Decode for TCONS_KEY: Unknown
Decode for PCONS_KEY: Unknown
Decode for PSYS_KEY: Unknown

Tank Id: A1A
Tank Status: Current
Installed Date: 01/20/1999
Perm Close Date: Not reported
Product Name: Gasoline, Gas Mix
Tank Capacity: 12000
Root Tank Id: Not reported
Main Tank: No
Compartment Tank: No
Manifold Tank: 0
Commercial: Yes
Regulated: Yes
Other CP Tank: Not reported
Overfill Protection Name: Ball Float Valve
Spill Protection Name: Catchment Basin
Leak Detection Name: Not reported
Decode for TCONS_KEY: Single Wall Steel/FRP
Decode for PCONS_KEY: Single Wall FRP
Decode for PSYS_KEY: Pressurized System

Tank Id: A2A
Tank Status: Current

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

BSF HOLDINGS LLC (Continued)

U003008446

Installed Date: 01/20/1999
Perm Close Date: Not reported
Product Name: Gasoline, Gas Mix
Tank Capacity: 6000
Root Tank Id: 275285
Main Tank: Yes
Compartment Tank: Yes
Manifold Tank: 0
Commercial: Yes
Regulated: Yes
Other CP Tank: Not reported
Overfill Protection Name: Ball Float Valve
Spill Protection Name: Catchment Basin
Leak Detection Name: Not reported
Decode for TCONS_KEY: Single Wall Steel/FRP
Decode for PCONS_KEY: Single Wall FRP
Decode for PSYS_KEY: Pressurized System

Tank Id: A2B
Tank Status: Current
Installed Date: 01/20/1999
Perm Close Date: Not reported
Product Name: Diesel
Tank Capacity: 6000
Root Tank Id: 275285
Main Tank: No
Compartment Tank: Yes
Manifold Tank: 0
Commercial: Yes
Regulated: Yes
Other CP Tank: Not reported
Overfill Protection Name: Ball Float Valve
Spill Protection Name: Catchment Basin
Leak Detection Name: Not reported
Decode for TCONS_KEY: Single Wall Steel/FRP
Decode for PCONS_KEY: Single Wall FRP
Decode for PSYS_KEY: Pressurized System

B8
ESE
< 1/8
0.089 mi.
469 ft.

T & T MINI MART
1721 NC HWY 62 EAST
HIGH POINT, NC
Site 2 of 3 in cluster B

IMD S103717662
N/A

Relative:
Higher

IMD:

Actual:
833 ft.

Region: WS
Facility ID: 19645
Date Occurred: 1/12/1999
Submit Date: 1/28/1999
GW Contam: Not reported
Soil Contam: Not reported
Incident Desc: UPON REMOVAL OF UST MINOR SOIL CONTAM. WAS DISCOVERED
Operator: PAM BYERS
Contact Phone: 336-476-3927
Owner Company: Not reported
Operator Address: 4614 FINCH FARM ROAD
Operator City: TRINITY

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

T & T MINI MART (Continued)

S103717662

Oper City,St,Zip: TRINITY, NC 27370
Ownership: Private
Operation: Commercial
Material: GASOLINE
Qty Lost 1: Not reported
Qty Recovered 1: NONE
Source: Leak-underground
Type: Gasoline/diesel
Location: Facility
Setting: Urban
Risk Site: Not reported
Site Priority: Not reported
Priority Code: Not reported
Priority Update: 2/17/1999
Dem Contact: Not reported
Wells Affected: Not reported
Num Affected: Not reported
Wells Contam: Not reported
Sampled By: Not reported
Samples Include: Not reported
7.5 Min Quad: Not reported
5 Min Quad: Not reported
Latitude: Not reported
Longitude: Not reported
Latitude Number: Not reported
Longitude Number: Not reported
Latitude Decimal: Not reported
Longitude Decimal: Not reported
GPS: NOD
Agency: Not reported
Facility ID: 19645
Last Modified: 3/16/2000
Incident Phase: Follow Up
NOV Issued: 6/11/2002
NORR Issued: Not reported
45 Day Report: Not reported
Public Meeting Held: Not reported
Corrective Action Planned: Not reported
SOC Signed: Not reported
Reclassification Report: Not reported
RS Designation: Not reported
Closure Request Date: Not reported
Close-out Report: Not reported

B9
ESE
< 1/8
0.089 mi.
469 ft.

T & T MINI MART
1721 NC 62 EAST
HIGH POINT, NC 27263
Site 3 of 3 in cluster B

LUST **S105593129**
LUST TRUST **N/A**

Relative: LUST:
Higher Facility ID: 00-0-000
UST Number: WS-5581
Incident Number: 19645
Contamination Type: GW
Source Type: Leak-underground
Product Type: P

Actual:
833 ft.

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

T & T MINI MART (Continued)

S105593129

Date Reported: 01/27/1999
Date Occur: 01/26/1999
Cleanup: 01/26/1999
Closure Request: Not reported
Close Out: Not reported
Level Of Soil Cleanup Achieved: Soil to Groundwater
Tank Regulated Status: R
Of Supply Wells: 0
Commercial/NonCommercial UST Site: COMMERCIAL
Risk Classification: H
Risk Class Based On Review: H
Corrective Action Plan Type: Not reported
NOV Issue Date: 03/07/2000
NORR Issue Date: 08/02/2000
Site Priority: Not reported
Phase Of LSA Req: 2
Site Risk Reason: Gross contaminant levels
Land Use: Industrial/commercial
MTBE: No
MTBE1: No
Flag: Yes
Flag1: No
LUR Filed: Not reported
Release Detection: 0
Current Status: File Located in House
RBCA GW: Cleanups to 2L.0202 standards
PETOPT: 3
RPL: True
CD Num: 0
Reel Num: 0
RPOW: True
RPOP: True
Error Flag: 0
Error Code: N
Valid: False
Lat/Long Decimal: 35.9199 -79.9241
Testlat: Not reported
Regional Officer Project Mgr: SKC
Region: WS
Company: BSF HOLDINGS, LLC
Contact Person: SHEHZAD QUAMAR
Telephone: 3364763972
RP Address: 4401 UNITED ST.
RP City,St,Zip: GREENSBORO, NC 27407
RP County: Not reported
Comments: Not reported
5 Min Quad: Not reported
Last Modified: Not reported
Incident Phase: Remedial Action Implemented
NOV Issued: 2002-06-11 00:00:00
NORR Issued: 2006-10-17 00:00:00
45 Day Report: Not reported
Public Meeting Held: Not reported
Corrective Action Planned: Not reported
SOC Signed: Not reported
Reclassification Report: Not reported
RS Designation: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

T & T MINI MART (Continued)

S105593129

Closure Request Date: Not reported
Close-out Report: Not reported

LUST TRUST:

Facility ID: 0-034458
Site ID: 19645
Site Note: 75K(20&40%). Effective 7/1/12, eligibility is transferred to BSF Holdings, LLC. [CGS 9/5/12]
Site Eligible?: True
Commercial Find: 100% Commercial
Priority Rank: Not reported
Deductable Amount: 75000
3rd Party Deductable Amt: 0
Sum 3rd Party Amt Applied: 209

**10
WNW
1/4-1/2
0.426 mi.
2250 ft.**

**DRYE RESIDENCE
2601 INGRAM ROAD
HIGH POINT, NC 27263**

**LUST
LUST TRUST
IMD**

**S105120554
N/A**

**Relative:
Lower
Actual:
813 ft.**

LUST:
Facility ID: Not reported
UST Number: WS-6271
Incident Number: 23632
Contamination Type: SL
Source Type: Leak-underground
Product Type: P
Date Reported: 09/11/2001
Date Occur: 08/04/2001
Cleanup: 09/30/2001
Closure Request: 2001-11-16 00:00:00
Close Out: 01/15/2002
Level Of Soil Cleanup Achieved: Soil to Groundwater
Tank Regulated Status: N
Of Supply Wells: 0
Commercial/NonCommercial UST Site: NON COMMERCIAL
Risk Classification: L
Risk Class Based On Review: L
Corrective Action Plan Type: Not reported
NOV Issue Date: Not reported
NORR Issue Date: 09/25/2001
Site Priority: Not reported
Phase Of LSA Req: 1
Site Risk Reason: Not reported
Land Use: Residential
MTBE: No
MTBE1: Not reported
Flag: No
Flag1: Not reported
LUR Filed: Not reported
Release Detection: Not reported
Current Status: File Located in Archives
RBCA GW: Not reported
PETOPT: 4
RPL: False
CD Num: 240

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

DRYE RESIDENCE (Continued)

S105120554

Reel Num: 0
RPOW: False
RPOP: False
Error Flag: Not reported
Error Code: N
Valid: False
Lat/Long Decimal: 35.9310 -79.9554
Testlat: Not reported
Regional Officer Project Mgr: SKC
Region: WS
Company: MR ERIC DRYR
Contact Person: Not reported
Telephone: 3364734967
RP Address: 2551 FINCH FARM ROAD
RP City,St,Zip: TRINITY, NC 27370
RP County: Not reported
Comments: Not reported
5 Min Quad: Not reported
Last Modified: 2002-06-07 00:00:00
Incident Phase: Closed Out
NOV Issued: Not reported
NORR Issued: Not reported
45 Day Report: Not reported
Public Meeting Held: Not reported
Corrective Action Planned: Not reported
SOC Signed: Not reported
Reclassification Report: Not reported
RS Designation: Not reported
Closure Request Date: Not reported
Close-out Report: 2002-01-15 00:00:00

LUST TRUST:

Facility ID: Not reported
Site ID: 23632
Site Note: Not reported
Site Eligible?: True
Commercial Find: 100% Non-Commercial
Priority Rank: Not reported
Deductable Amount: 0
3rd Party Deductable Amt: 0
Sum 3rd Party Amt Applied: 0

IMD:

Region: WS
Facility ID: 23632
Date Occurred: Not reported
Submit Date: 10/11/2001
GW Contam: Not reported
Soil Contam: Yes
Incident Desc: SOIL CONTAMINATION DISCOVERED DURING UST INVESTIGATION/REMOVAL
Operator: ERIC DRYE
Contact Phone: 336 472-4967
Owner Company: Not reported
Operator Address: 2551 FINCH FARM ROAD
Operator City: TRINITY
Oper City,St,Zip: TRINITY, NC 27370

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

DRYE RESIDENCE (Continued)

S105120554

Ownership: Private
Operation: Residential
Material: Not reported
Qty Lost 1: Not reported
Qty Recovered 1: Not reported
Source: Leak-underground
Type: Heating Oil
Location: Residence
Setting: Residential
Risk Site: Not reported
Site Priority: U
Priority Code: Not reported
Priority Update: 10/16/2001
Dem Contact: Not reported
Wells Affected: No
Num Affected: Not reported
Wells Contam: Not reported
Sampled By: Not reported
Samples Include: Not reported
7.5 Min Quad: Not reported
5 Min Quad: Not reported
Latitude: Not reported
Longitude: Not reported
Latitude Number: Not reported
Longitude Number: Not reported
Latitude Decimal: Not reported
Longitude Decimal: Not reported
GPS: NOD
Agency: DWM
Facility ID: 23632
Last Modified: 6/7/2002
Incident Phase: Closed Out
NOV Issued: Not reported
NORR Issued: Not reported
45 Day Report: Not reported
Public Meeting Held: Not reported
Corrective Action Planned: Not reported
SOC Sighned: Not reported
Reclassification Report: Not reported
RS Designation: Not reported
Closure Request Date: Not reported
Close-out Report: 1/15/2002

11
NW
1/4-1/2
0.467 mi.
2464 ft.

**MEYERS RESIDENCE, SHIRLEY
1627 JACKSON LAKE ROAD
ARCHDALE, NC**

**LAST S116491464
N/A**

**Relative:
Lower
Actual:
791 ft.**

LAST:
Facility ID: Not reported
UST Number: WS-88462
Incident Number: 95296
Contamination Type: SL
Source Type: 14
Product Type: P
Date Reported: 03/21/2014

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

MEYERS RESIDENCE, SHIRLEY (Continued)

S116491464

Date Occur: 03/14/2014
Cleanup: 03/15/2014
Closure Request: Not reported
Close Out: 07/25/2014
Level Of Soil Cleanup Achieved: Not reported
Tank Regulated Status: N
Of Supply Wells: 0
Commercial/NonCommercial UST Site: N
Risk Classification: H
Risk Class Based On Review: H
Corrective Action Plan Type: Not reported
NOV Issue Date: Not reported
NORR Issue Date: Not reported
Site Priority: Not reported
Phase Of LSA Req: Not reported
Site Risk Reason: Not reported
Land Use: RES
MTBE: No
MTBE1: Unknown
Flag: No
Flag1: No
LUR Filed: Not reported
Release Detection: 0
Current Status: C
RBCA GW: Not reported
PETOPT: 4
RPL: True
CD Num: 0
Reel Num: 0
RPOW: True
RPOP: True
Error Flag: 0
Error Code: N
Valid: False
Lat/Long: Not reported
Lat/Long Decimal: 35.93345 -79.94741
Testlat: Not reported
Regional Officer Project Mgr: KJH
Region: WS
Company: Not reported
Contact Person: SHIRLEY MEYERS
Telephone: Not reported
RP Address: 1627 JACKSON LAKE ROAD
RP City,St,Zip: ARCHDALE, NC
RP County: Not reported
Comments: During winter storm, tree fell on AST and knocked it over.
5 Min Quad: Not reported

PIRF:

Facility Id: 95296
Date Occurred: 3/14/2014
Date Reported: 3/21/2014
Description Of Incident: Tree fell on AST during winter storm and turn tank over.
Owner/Operator: Not reported
Ownership: 4
Operation Type: 5
Type: 4
Location: 7

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

MEYERS RESIDENCE, SHIRLEY (Continued)

S116491464

Site Priority: Not reported
Priority Update: Not reported
Wells Affected Y/N: n
Wells Affected Number: Not reported
Samples Taken By: n
Samples Include: Not reported
7#5 Min Quad: Not reported
5 Min Quad: Not reported
Pirf/Min Soil: Not reported
Release Code: 9
Cause: Not reported
Source: Not reported
Source Type: D

Last Modified: 7/25/2014
Incident Phase: CO
NOV Issued: Not reported
NORR Issued: Not reported
45 Day Report: Not reported
Public Meeting Held: Not reported
Corrective Action Planned: Not reported
SOC Signed: Not reported
Reclassification Report: Not reported
RS Designation: Not reported
Closure Request Date: Not reported
Close-out Report: Not reported

12
East
1/4-1/2
0.487 mi.
2573 ft.

**COX RESIDENCE, LESLIE E.
6902 APPLETREE RD.
HIGH POINT, NC 27263**

**LUST S100047618
IMD N/A**

**Relative:
Higher
Actual:
827 ft.**

LUST:
Facility ID: Not reported
UST Number: WS-2465
Incident Number: 3497
Contamination Type: SL
Source Type: Leak-underground
Product Type: P
Date Reported: 08/24/1987
Date Occur: 08/24/1987
Cleanup: 07/07/1995
Closure Request: Not reported
Close Out: 07/07/1995
Level Of Soil Cleanup Achieved: Not reported
Tank Regulated Status: N
Of Supply Wells: 0
Commercial/NonCommercial UST Site: NON COMMERCIAL
Risk Classification: Not reported
Risk Class Based On Review: L
Corrective Action Plan Type: Not reported
NOV Issue Date: Not reported
NORR Issue Date: Not reported
Site Priority: Not reported
Phase Of LSA Req: Not reported
Site Risk Reason: Not reported
Land Use: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

COX RESIDENCE, LESLIE E. (Continued)

S100047618

MTBE: No
MTBE1: Unknown
Flag: No
Flag1: No
LUR Filed: Not reported
Release Detection: 0
Current Status: File Located in Archives
RBCA GW: Not reported
PETOPT: 4
RPL: False
CD Num: 14
Reel Num: 3785
RPOW: False
RPOP: False
Error Flag: 0
Error Code: N
Valid: False
Lat/Long Decimal: 35.9196 -79.9160
Testlat: Not reported
Regional Officer Project Mgr: SKC
Region: WS
Company: Not reported
Contact Person: Not reported
Telephone: Not reported
RP Address: Not reported
RP City,St,Zip: Not reported
RP County: Not reported
Comments: Not reported
5 Min Quad: Not reported
Last Modified: 1995-07-20 00:00:00
Incident Phase: Closed Out
NOV Issued: Not reported
NORR Issued: Not reported
45 Day Report: Not reported
Public Meeting Held: Not reported
Corrective Action Planned: Not reported
SOC Signed: Not reported
Reclassification Report: Not reported
RS Designation: Not reported
Closure Request Date: Not reported
Close-out Report: 1995-06-27 00:00:00

IMD:

Region: WS
Facility ID: 3497
Date Occurred: 8/24/1987
Submit Date: 9/3/1987
GW Contam: Not reported
Soil Contam: Not reported
Incident Desc: GUILFORD CO. HEALTH DEPT. REPORTED FINDING CONTAM. AT WELL OWNED BY
LESSIE E. COX.
Operator: Not reported
Contact Phone: Not reported
Owner Company: Not reported
Operator Address: Not reported
Operator City: Not reported
Oper City,St,Zip: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

COX RESIDENCE, LESLIE E. (Continued)

S100047618

Ownership: Private
Operation: Residential
Material: FUEL OIL
Qty Lost 1: Not reported
Qty Recovered 1: NONE
Source: Leak-underground
Type: Other petroleum product
Location: Residence
Setting: Rural
Risk Site: Not reported
Site Priority: 0
Priority Code: Not reported
Priority Update: Not reported
Dem Contact: Not reported
Wells Affected: Yes
Num Affected: 1
Wells Contam: LESSIE E. COX RESD.
Sampled By: None
Samples Include: Not reported
7.5 Min Quad: Not reported
5 Min Quad: Not reported
Latitude: Not reported
Longitude: Not reported
Latitude Number: Not reported
Longitude Number: Not reported
Latitude Decimal: Not reported
Longitude Decimal: Not reported
GPS: NOD
Agency: Not reported
Facility ID: 3497
Last Modified: 7/20/1995
Incident Phase: Closed Out
NOV Issued: Not reported
NORR Issued: Not reported
45 Day Report: Not reported
Public Meeting Held: Not reported
Corrective Action Planned: Not reported
SOC Sighned: Not reported
Reclassification Report: Not reported
RS Designation: Not reported
Closure Request Date: Not reported
Close-out Report: 6/27/1995

Count: 1 records.

ORPHAN SUMMARY

City	EDR ID	Site Name	Site Address	Zip	Database(s)
HIGH POINT	1015754964	HIGH POINT I-85 TRUCK ROLLOVER	INTERSTATE I-85 NEAR EXIT 111		SEMS

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

To maintain currency of the following federal and state databases, EDR contacts the appropriate governmental agency on a monthly or quarterly basis, as required.

Number of Days to Update: Provides confirmation that EDR is reporting records that have been updated within 90 days from the date the government agency made the information available to the public.

STANDARD ENVIRONMENTAL RECORDS

Federal NPL site list

NPL: National Priority List

National Priorities List (Superfund). The NPL is a subset of CERCLIS and identifies over 1,200 sites for priority cleanup under the Superfund Program. NPL sites may encompass relatively large areas. As such, EDR provides polygon coverage for over 1,000 NPL site boundaries produced by EPA's Environmental Photographic Interpretation Center (EPIC) and regional EPA offices.

Date of Government Version: 05/13/2018	Source: EPA
Date Data Arrived at EDR: 05/30/2018	Telephone: N/A
Date Made Active in Reports: 06/22/2018	Last EDR Contact: 07/06/2018
Number of Days to Update: 23	Next Scheduled EDR Contact: 10/15/2018
	Data Release Frequency: Quarterly

NPL Site Boundaries

Sources:

EPA's Environmental Photographic Interpretation Center (EPIC)
Telephone: 202-564-7333

EPA Region 1
Telephone 617-918-1143

EPA Region 6
Telephone: 214-655-6659

EPA Region 3
Telephone 215-814-5418

EPA Region 7
Telephone: 913-551-7247

EPA Region 4
Telephone 404-562-8033

EPA Region 8
Telephone: 303-312-6774

EPA Region 5
Telephone 312-886-6686

EPA Region 9
Telephone: 415-947-4246

EPA Region 10
Telephone 206-553-8665

Proposed NPL: Proposed National Priority List Sites

A site that has been proposed for listing on the National Priorities List through the issuance of a proposed rule in the Federal Register. EPA then accepts public comments on the site, responds to the comments, and places on the NPL those sites that continue to meet the requirements for listing.

Date of Government Version: 05/13/2018	Source: EPA
Date Data Arrived at EDR: 05/30/2018	Telephone: N/A
Date Made Active in Reports: 06/22/2018	Last EDR Contact: 07/06/2018
Number of Days to Update: 23	Next Scheduled EDR Contact: 10/15/2018
	Data Release Frequency: Quarterly

NPL LIENS: Federal Superfund Liens

Federal Superfund Liens. Under the authority granted the USEPA by 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 received notification of potential liability. USEPA compiles a listing of filed notices of Superfund Liens.

Date of Government Version: 10/15/1991	Source: EPA
Date Data Arrived at EDR: 02/02/1994	Telephone: 202-564-4267
Date Made Active in Reports: 03/30/1994	Last EDR Contact: 08/15/2011
Number of Days to Update: 56	Next Scheduled EDR Contact: 11/28/2011
	Data Release Frequency: No Update Planned

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Federal Delisted NPL site list

Delisted NPL: National Priority List Deletions

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.

Date of Government Version: 05/13/2018	Source: EPA
Date Data Arrived at EDR: 05/30/2018	Telephone: N/A
Date Made Active in Reports: 06/22/2018	Last EDR Contact: 07/06/2018
Number of Days to Update: 23	Next Scheduled EDR Contact: 10/15/2018
	Data Release Frequency: Quarterly

Federal CERCLIS list

FEDERAL FACILITY: Federal Facility Site Information listing

A listing of National Priority List (NPL) and Base Realignment and Closure (BRAC) sites found in the Comprehensive Environmental Response, Compensation and Liability Information System (CERCLIS) Database where EPA Federal Facilities Restoration and Reuse Office is involved in cleanup activities.

Date of Government Version: 11/07/2016	Source: Environmental Protection Agency
Date Data Arrived at EDR: 01/05/2017	Telephone: 703-603-8704
Date Made Active in Reports: 04/07/2017	Last EDR Contact: 07/06/2018
Number of Days to Update: 92	Next Scheduled EDR Contact: 10/15/2018
	Data Release Frequency: Varies

SEMS: Superfund Enterprise Management System

SEMS (Superfund Enterprise Management System) tracks hazardous waste sites, potentially hazardous waste sites, and remedial activities performed in support of EPA's Superfund Program across the United States. The list was formerly known as CERCLIS, renamed to SEMS by the EPA in 2015. The list contains data on potentially hazardous waste sites that have been reported to the USEPA by states, municipalities, private companies and private persons, pursuant to Section 103 of the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA). This dataset also contains sites which are either proposed to or on the National Priorities List (NPL) and the sites which are in the screening and assessment phase for possible inclusion on the NPL.

Date of Government Version: 05/18/2018	Source: EPA
Date Data Arrived at EDR: 05/30/2018	Telephone: 800-424-9346
Date Made Active in Reports: 06/22/2018	Last EDR Contact: 07/06/2018
Number of Days to Update: 23	Next Scheduled EDR Contact: 10/29/2018
	Data Release Frequency: Quarterly

Federal CERCLIS NFRAP site list

SEMS-ARCHIVE: Superfund Enterprise Management System Archive

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

SEMS-ARCHIVE (Superfund Enterprise Management System Archive) tracks sites that have no further interest under the Federal Superfund Program based on available information. The list was formerly known as the CERCLIS-NFRAP, renamed to SEMS ARCHIVE by the EPA in 2015. EPA may perform a minimal level of assessment work at a site while it is archived if site conditions change and/or new information becomes available. Archived sites have been removed and archived from the inventory of SEMS sites. Archived status indicates that, to the best of EPA's knowledge, assessment at a site has been completed and that EPA has determined no further steps will be taken to list the site on the National Priorities List (NPL), unless information indicates this decision was not appropriate or other considerations require a recommendation for listing at a later time. The decision does not necessarily mean that there is no hazard associated with a given site; it only means that, based upon available information, the location is not judged to be potential NPL site.

Date of Government Version: 05/18/2018	Source: EPA
Date Data Arrived at EDR: 05/30/2018	Telephone: 800-424-9346
Date Made Active in Reports: 06/22/2018	Last EDR Contact: 07/06/2018
Number of Days to Update: 23	Next Scheduled EDR Contact: 10/29/2018
	Data Release Frequency: Quarterly

Federal RCRA CORRACTS facilities list

CORRACTS: Corrective Action Report

CORRACTS identifies hazardous waste handlers with RCRA corrective action activity.

Date of Government Version: 03/01/2018	Source: EPA
Date Data Arrived at EDR: 03/28/2018	Telephone: 800-424-9346
Date Made Active in Reports: 06/22/2018	Last EDR Contact: 06/28/2018
Number of Days to Update: 86	Next Scheduled EDR Contact: 10/08/2018
	Data Release Frequency: Quarterly

Federal RCRA non-CORRACTS TSD facilities list

RCRA-TSDF: RCRA - Treatment, Storage and Disposal

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Transporters are individuals or entities that move hazardous waste from the generator offsite to a facility that can recycle, treat, store, or dispose of the waste. TSDFs treat, store, or dispose of the waste.

Date of Government Version: 03/01/2018	Source: Environmental Protection Agency
Date Data Arrived at EDR: 03/28/2018	Telephone: (404) 562-8651
Date Made Active in Reports: 06/22/2018	Last EDR Contact: 06/28/2018
Number of Days to Update: 86	Next Scheduled EDR Contact: 10/08/2018
	Data Release Frequency: Quarterly

Federal RCRA generators list

RCRA-LQG: RCRA - Large Quantity Generators

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Large quantity generators (LQGs) generate over 1,000 kilograms (kg) of hazardous waste, or over 1 kg of acutely hazardous waste per month.

Date of Government Version: 03/01/2018	Source: Environmental Protection Agency
Date Data Arrived at EDR: 03/28/2018	Telephone: (404) 562-8651
Date Made Active in Reports: 06/22/2018	Last EDR Contact: 06/28/2018
Number of Days to Update: 86	Next Scheduled EDR Contact: 10/08/2018
	Data Release Frequency: Quarterly

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

RCRA-SQG: RCRA - Small Quantity Generators

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Small quantity generators (SQGs) generate between 100 kg and 1,000 kg of hazardous waste per month.

Date of Government Version: 03/01/2018	Source: Environmental Protection Agency
Date Data Arrived at EDR: 03/28/2018	Telephone: (404) 562-8651
Date Made Active in Reports: 06/22/2018	Last EDR Contact: 06/28/2018
Number of Days to Update: 86	Next Scheduled EDR Contact: 10/08/2018
	Data Release Frequency: Quarterly

RCRA-CESQG: RCRA - Conditionally Exempt Small Quantity Generators

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Conditionally exempt small quantity generators (CESQGs) generate less than 100 kg of hazardous waste, or less than 1 kg of acutely hazardous waste per month.

Date of Government Version: 03/01/2018	Source: Environmental Protection Agency
Date Data Arrived at EDR: 03/28/2018	Telephone: (404) 562-8651
Date Made Active in Reports: 06/22/2018	Last EDR Contact: 06/28/2018
Number of Days to Update: 86	Next Scheduled EDR Contact: 10/08/2018
	Data Release Frequency: Quarterly

Federal institutional controls / engineering controls registries

LUCIS: Land Use Control Information System

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

Date of Government Version: 05/14/2018	Source: Department of the Navy
Date Data Arrived at EDR: 05/18/2018	Telephone: 843-820-7326
Date Made Active in Reports: 07/20/2018	Last EDR Contact: 05/09/2018
Number of Days to Update: 63	Next Scheduled EDR Contact: 08/27/2018
	Data Release Frequency: Varies

US ENG CONTROLS: Engineering Controls Sites List

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.

Date of Government Version: 02/13/2018	Source: Environmental Protection Agency
Date Data Arrived at EDR: 02/27/2018	Telephone: 703-603-0695
Date Made Active in Reports: 05/11/2018	Last EDR Contact: 05/29/2018
Number of Days to Update: 73	Next Scheduled EDR Contact: 09/10/2018
	Data Release Frequency: Varies

US INST CONTROL: Sites with Institutional Controls

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.

Date of Government Version: 02/13/2018	Source: Environmental Protection Agency
Date Data Arrived at EDR: 02/27/2018	Telephone: 703-603-0695
Date Made Active in Reports: 05/11/2018	Last EDR Contact: 05/29/2018
Number of Days to Update: 73	Next Scheduled EDR Contact: 09/10/2018
	Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Federal ERNS list

ERNS: Emergency Response Notification System

Emergency Response Notification System. ERNS records and stores information on reported releases of oil and hazardous substances.

Date of Government Version: 03/19/2018

Date Data Arrived at EDR: 03/27/2018

Date Made Active in Reports: 06/08/2018

Number of Days to Update: 73

Source: National Response Center, United States Coast Guard

Telephone: 202-267-2180

Last EDR Contact: 06/27/2018

Next Scheduled EDR Contact: 10/08/2018

Data Release Frequency: Quarterly

State- and tribal - equivalent NPL

HSDS: Hazardous Substance Disposal Site

Locations of uncontrolled and unregulated hazardous waste sites. The file includes sites on the National Priority List as well as those on the state priority list.

Date of Government Version: 08/09/2011

Date Data Arrived at EDR: 11/08/2011

Date Made Active in Reports: 12/05/2011

Number of Days to Update: 27

Source: North Carolina Center for Geographic Information and Analysis

Telephone: 919-754-6580

Last EDR Contact: 07/18/2018

Next Scheduled EDR Contact: 11/05/2018

Data Release Frequency: Biennially

State- and tribal - equivalent CERCLIS

SHWS: Inactive Hazardous Sites Inventory

State Hazardous Waste Sites. State hazardous waste site records are the states' equivalent to 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 cleanup will be paid for by potentially responsible parties. Available information varies by state.

Date of Government Version: 02/09/2018

Date Data Arrived at EDR: 03/15/2018

Date Made Active in Reports: 04/12/2018

Number of Days to Update: 28

Source: Department of Environment, Health and Natural Resources

Telephone: 919-508-8400

Last EDR Contact: 06/14/2018

Next Scheduled EDR Contact: 09/24/2018

Data Release Frequency: Quarterly

State and tribal landfill and/or solid waste disposal site lists

SWF/LF: List of Solid Waste Facilities

Solid Waste Facilities/Landfill Sites. SWF/LF type 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.

Date of Government Version: 09/28/2017

Date Data Arrived at EDR: 09/28/2017

Date Made Active in Reports: 10/19/2017

Number of Days to Update: 21

Source: Department of Environment and Natural Resources

Telephone: 919-733-0692

Last EDR Contact: 06/27/2018

Next Scheduled EDR Contact: 10/08/2018

Data Release Frequency: Varies

OLI: Old Landfill Inventory

Old landfill inventory location information. (Does not include no further action sites and other agency lead sites).

Date of Government Version: 08/15/2017

Date Data Arrived at EDR: 10/11/2017

Date Made Active in Reports: 12/14/2017

Number of Days to Update: 64

Source: Department of Environment & Natural Resources

Telephone: 919-733-4996

Last EDR Contact: 07/13/2018

Next Scheduled EDR Contact: 10/22/2018

Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

State and tribal leaking storage tank lists

LUST: Regional UST Database

This database contains information obtained from the Regional Offices. It provides a more detailed explanation of current and historic activity for individual sites, as well as what was previously found in the Incident Management Database. Sites in this database with Incident Numbers are considered LUSTs.

Date of Government Version: 05/04/2018	Source: Department of Environment and Natural Resources
Date Data Arrived at EDR: 05/08/2018	Telephone: 919-733-1308
Date Made Active in Reports: 06/11/2018	Last EDR Contact: 05/08/2018
Number of Days to Update: 34	Next Scheduled EDR Contact: 08/20/2018
	Data Release Frequency: Quarterly

LAST: Leaking Aboveground Storage Tanks

A listing of leaking aboveground storage tank site locations.

Date of Government Version: 05/04/2018	Source: Department of Environment & Natural Resources
Date Data Arrived at EDR: 05/08/2018	Telephone: 877-623-6748
Date Made Active in Reports: 06/11/2018	Last EDR Contact: 05/08/2018
Number of Days to Update: 34	Next Scheduled EDR Contact: 08/20/2018
	Data Release Frequency: Quarterly

INDIAN LUST R5: Leaking Underground Storage Tanks on Indian Land

Leaking underground storage tanks located on Indian Land in Michigan, Minnesota and Wisconsin.

Date of Government Version: 04/12/2018	Source: EPA, Region 5
Date Data Arrived at EDR: 05/18/2018	Telephone: 312-886-7439
Date Made Active in Reports: 07/20/2018	Last EDR Contact: 05/18/2018
Number of Days to Update: 63	Next Scheduled EDR Contact: 08/06/2018
	Data Release Frequency: Varies

INDIAN LUST R7: Leaking Underground Storage Tanks on Indian Land

LUSTs on Indian land in Iowa, Kansas, and Nebraska

Date of Government Version: 04/24/2018	Source: EPA Region 7
Date Data Arrived at EDR: 05/18/2018	Telephone: 913-551-7003
Date Made Active in Reports: 07/20/2018	Last EDR Contact: 05/18/2018
Number of Days to Update: 63	Next Scheduled EDR Contact: 08/06/2018
	Data Release Frequency: Varies

INDIAN LUST R10: Leaking Underground Storage Tanks on Indian Land

LUSTs on Indian land in Alaska, Idaho, Oregon and Washington.

Date of Government Version: 04/12/2018	Source: EPA Region 10
Date Data Arrived at EDR: 05/18/2018	Telephone: 206-553-2857
Date Made Active in Reports: 07/20/2018	Last EDR Contact: 05/18/2018
Number of Days to Update: 63	Next Scheduled EDR Contact: 08/06/2018
	Data Release Frequency: Varies

INDIAN LUST R9: Leaking Underground Storage Tanks on Indian Land

LUSTs on Indian land in Arizona, California, New Mexico and Nevada

Date of Government Version: 04/10/2018	Source: Environmental Protection Agency
Date Data Arrived at EDR: 05/18/2018	Telephone: 415-972-3372
Date Made Active in Reports: 07/20/2018	Last EDR Contact: 05/18/2018
Number of Days to Update: 63	Next Scheduled EDR Contact: 08/06/2018
	Data Release Frequency: Varies

INDIAN LUST R8: Leaking Underground Storage Tanks on Indian Land

LUSTs on Indian land in Colorado, Montana, North Dakota, South Dakota, Utah and Wyoming.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 04/25/2018
Date Data Arrived at EDR: 05/18/2018
Date Made Active in Reports: 07/20/2018
Number of Days to Update: 63

Source: EPA Region 8
Telephone: 303-312-6271
Last EDR Contact: 05/18/2018
Next Scheduled EDR Contact: 08/06/2018
Data Release Frequency: Varies

INDIAN LUST R6: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in New Mexico and Oklahoma.

Date of Government Version: 04/01/2018
Date Data Arrived at EDR: 05/18/2018
Date Made Active in Reports: 07/20/2018
Number of Days to Update: 63

Source: EPA Region 6
Telephone: 214-665-6597
Last EDR Contact: 05/18/2018
Next Scheduled EDR Contact: 08/06/2018
Data Release Frequency: Varies

INDIAN LUST R4: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in Florida, Mississippi and North Carolina.

Date of Government Version: 05/08/2018
Date Data Arrived at EDR: 05/18/2018
Date Made Active in Reports: 07/20/2018
Number of Days to Update: 63

Source: EPA Region 4
Telephone: 404-562-8677
Last EDR Contact: 05/16/2018
Next Scheduled EDR Contact: 08/06/2018
Data Release Frequency: Varies

INDIAN LUST R1: Leaking Underground Storage Tanks on Indian Land
A listing of leaking underground storage tank locations on Indian Land.

Date of Government Version: 04/13/2018
Date Data Arrived at EDR: 05/18/2018
Date Made Active in Reports: 07/20/2018
Number of Days to Update: 63

Source: EPA Region 1
Telephone: 617-918-1313
Last EDR Contact: 05/18/2018
Next Scheduled EDR Contact: 08/06/2018
Data Release Frequency: Varies

LUST TRUST: State Trust Fund Database

This database contains information about claims against the State Trust Funds for reimbursements for expenses incurred while remediating Leaking USTs.

Date of Government Version: 04/06/2018
Date Data Arrived at EDR: 04/11/2018
Date Made Active in Reports: 06/11/2018
Number of Days to Update: 61

Source: Department of Environment and Natural Resources
Telephone: 919-733-1315
Last EDR Contact: 07/12/2018
Next Scheduled EDR Contact: 10/22/2018
Data Release Frequency: Quarterly

State and tribal registered storage tank lists

FEMA UST: Underground Storage Tank Listing

A listing of all FEMA owned underground storage tanks.

Date of Government Version: 05/15/2017
Date Data Arrived at EDR: 05/30/2017
Date Made Active in Reports: 10/13/2017
Number of Days to Update: 136

Source: FEMA
Telephone: 202-646-5797
Last EDR Contact: 07/11/2018
Next Scheduled EDR Contact: 10/22/2018
Data Release Frequency: Varies

UST: Petroleum Underground Storage Tank Database

Registered Underground Storage Tanks. UST's are regulated under Subtitle I of the Resource Conservation and Recovery Act (RCRA) and must be registered with the state department responsible for administering the UST program. Available information varies by state program.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 05/04/2018
Date Data Arrived at EDR: 05/08/2018
Date Made Active in Reports: 06/11/2018
Number of Days to Update: 34

Source: Department of Environment and Natural Resources
Telephone: 919-733-1308
Last EDR Contact: 05/08/2018
Next Scheduled EDR Contact: 08/20/2018
Data Release Frequency: Quarterly

AST: AST Database

Facilities with aboveground storage tanks that have a capacity greater than 21,000 gallons.

Date of Government Version: 12/21/2017
Date Data Arrived at EDR: 03/19/2018
Date Made Active in Reports: 04/16/2018
Number of Days to Update: 28

Source: Department of Environment and Natural Resources
Telephone: 919-715-6183
Last EDR Contact: 06/14/2018
Next Scheduled EDR Contact: 10/01/2018
Data Release Frequency: Semi-Annually

INDIAN UST R7: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 7 (Iowa, Kansas, Missouri, Nebraska, and 9 Tribal Nations).

Date of Government Version: 04/24/2018
Date Data Arrived at EDR: 05/18/2018
Date Made Active in Reports: 07/20/2018
Number of Days to Update: 63

Source: EPA Region 7
Telephone: 913-551-7003
Last EDR Contact: 05/18/2018
Next Scheduled EDR Contact: 08/06/2018
Data Release Frequency: Varies

INDIAN UST R8: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 8 (Colorado, Montana, North Dakota, South Dakota, Utah, Wyoming and 27 Tribal Nations).

Date of Government Version: 04/25/2018
Date Data Arrived at EDR: 05/18/2018
Date Made Active in Reports: 07/20/2018
Number of Days to Update: 63

Source: EPA Region 8
Telephone: 303-312-6137
Last EDR Contact: 05/18/2018
Next Scheduled EDR Contact: 08/06/2018
Data Release Frequency: Varies

INDIAN UST R6: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 6 (Louisiana, Arkansas, Oklahoma, New Mexico, Texas and 65 Tribes).

Date of Government Version: 04/01/2018
Date Data Arrived at EDR: 05/18/2018
Date Made Active in Reports: 07/20/2018
Number of Days to Update: 63

Source: EPA Region 6
Telephone: 214-665-7591
Last EDR Contact: 05/18/2018
Next Scheduled EDR Contact: 08/06/2018
Data Release Frequency: Varies

INDIAN UST R5: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 5 (Michigan, Minnesota and Wisconsin and Tribal Nations).

Date of Government Version: 04/12/2018
Date Data Arrived at EDR: 05/18/2018
Date Made Active in Reports: 07/20/2018
Number of Days to Update: 63

Source: EPA Region 5
Telephone: 312-886-6136
Last EDR Contact: 05/18/2018
Next Scheduled EDR Contact: 08/06/2018
Data Release Frequency: Varies

INDIAN UST R4: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 4 (Alabama, Florida, Georgia, Kentucky, Mississippi, North Carolina, South Carolina, Tennessee and Tribal Nations)

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 05/08/2018
Date Data Arrived at EDR: 05/18/2018
Date Made Active in Reports: 07/20/2018
Number of Days to Update: 63

Source: EPA Region 4
Telephone: 404-562-9424
Last EDR Contact: 05/16/2018
Next Scheduled EDR Contact: 08/06/2018
Data Release Frequency: Varies

INDIAN UST R1: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 1 (Connecticut, Maine, Massachusetts, New Hampshire, Rhode Island, Vermont and ten Tribal Nations).

Date of Government Version: 04/13/2018
Date Data Arrived at EDR: 05/18/2018
Date Made Active in Reports: 07/20/2018
Number of Days to Update: 63

Source: EPA, Region 1
Telephone: 617-918-1313
Last EDR Contact: 05/18/2018
Next Scheduled EDR Contact: 08/06/2018
Data Release Frequency: Varies

INDIAN UST R9: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 9 (Arizona, California, Hawaii, Nevada, the Pacific Islands, and Tribal Nations).

Date of Government Version: 04/10/2018
Date Data Arrived at EDR: 05/18/2018
Date Made Active in Reports: 07/20/2018
Number of Days to Update: 63

Source: EPA Region 9
Telephone: 415-972-3368
Last EDR Contact: 05/18/2018
Next Scheduled EDR Contact: 08/06/2018
Data Release Frequency: Varies

INDIAN UST R10: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 10 (Alaska, Idaho, Oregon, Washington, and Tribal Nations).

Date of Government Version: 04/12/2018
Date Data Arrived at EDR: 05/18/2018
Date Made Active in Reports: 07/20/2018
Number of Days to Update: 63

Source: EPA Region 10
Telephone: 206-553-2857
Last EDR Contact: 05/18/2018
Next Scheduled EDR Contact: 08/06/2018
Data Release Frequency: Varies

State and tribal institutional control / engineering control registries

INST CONTROL: No Further Action Sites With Land Use Restrictions Monitoring

A land use restricted site is a property where there are limits or requirements on future use of the property due to varying levels of cleanup possible, practical, or necessary at the site.

Date of Government Version: 02/09/2018
Date Data Arrived at EDR: 03/15/2018
Date Made Active in Reports: 04/12/2018
Number of Days to Update: 28

Source: Department of Environment, Health and Natural Resources
Telephone: 919-508-8400
Last EDR Contact: 06/14/2018
Next Scheduled EDR Contact: 09/24/2018
Data Release Frequency: Quarterly

State and tribal voluntary cleanup sites

INDIAN VCP R1: Voluntary Cleanup Priority Listing

A listing of voluntary cleanup priority sites located on Indian Land located in Region 1.

Date of Government Version: 07/27/2015
Date Data Arrived at EDR: 09/29/2015
Date Made Active in Reports: 02/18/2016
Number of Days to Update: 142

Source: EPA, Region 1
Telephone: 617-918-1102
Last EDR Contact: 06/22/2018
Next Scheduled EDR Contact: 10/08/2018
Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

INDIAN VCP R7: Voluntary Cleanup Priority Listing

A listing of voluntary cleanup priority sites located on Indian Land located in Region 7.

Date of Government Version: 03/20/2008
Date Data Arrived at EDR: 04/22/2008
Date Made Active in Reports: 05/19/2008
Number of Days to Update: 27

Source: EPA, Region 7
Telephone: 913-551-7365
Last EDR Contact: 04/20/2009
Next Scheduled EDR Contact: 07/20/2009
Data Release Frequency: Varies

VCP: Responsible Party Voluntary Action Sites

Responsible Party Voluntary Action site locations.

Date of Government Version: 02/09/2018
Date Data Arrived at EDR: 03/15/2018
Date Made Active in Reports: 04/13/2018
Number of Days to Update: 29

Source: Department of Environment and Natural Resources
Telephone: 919-508-8400
Last EDR Contact: 06/14/2018
Next Scheduled EDR Contact: 09/24/2018
Data Release Frequency: Quarterly

State and tribal Brownfields sites

BROWNFIELDS: Brownfields Projects Inventory

A brownfield site is an abandoned, idled, or underused property where the threat of environmental contamination has hindered its redevelopment. All of the sites in the inventory are working toward a brownfield agreement for cleanup and liability control.

Date of Government Version: 04/02/2018
Date Data Arrived at EDR: 04/05/2018
Date Made Active in Reports: 06/11/2018
Number of Days to Update: 67

Source: Department of Environment and Natural Resources
Telephone: 919-733-4996
Last EDR Contact: 07/05/2018
Next Scheduled EDR Contact: 10/15/2018
Data Release Frequency: Quarterly

ADDITIONAL ENVIRONMENTAL RECORDS

Local Brownfield lists

US BROWNFIELDS: A Listing of Brownfields Sites

Brownfields are real property, the expansion, redevelopment, or reuse of which may be complicated by the presence or potential presence of a hazardous substance, pollutant, or contaminant. Cleaning up and reinvesting in these properties takes development pressures off of undeveloped, open land, and both improves and protects the environment. Assessment, Cleanup and Redevelopment Exchange System (ACRES) stores information reported by EPA Brownfields grant recipients on brownfields properties assessed or cleaned up with grant funding as well as information on Targeted Brownfields Assessments performed by EPA Regions. A listing of ACRES Brownfield sites is obtained from Cleanups in My Community. Cleanups in My Community provides information on Brownfields properties for which information is reported back to EPA, as well as areas served by Brownfields grant programs.

Date of Government Version: 03/19/2018
Date Data Arrived at EDR: 03/21/2018
Date Made Active in Reports: 06/08/2018
Number of Days to Update: 79

Source: Environmental Protection Agency
Telephone: 202-566-2777
Last EDR Contact: 06/20/2018
Next Scheduled EDR Contact: 10/01/2018
Data Release Frequency: Semi-Annually

Local Lists of Landfill / Solid Waste Disposal Sites

SWRCY: Recycling Center Listing

A listing of recycling center locations.

Date of Government Version: 05/03/2018
Date Data Arrived at EDR: 05/03/2018
Date Made Active in Reports: 05/10/2018
Number of Days to Update: 7

Source: Department of Environment & Natural Resources
Telephone: 919-707-8137
Last EDR Contact: 04/27/2018
Next Scheduled EDR Contact: 08/13/2018
Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

HIST LF: Solid Waste Facility Listing

A listing of solid waste facilities.

Date of Government Version: 11/06/2006

Date Data Arrived at EDR: 02/13/2007

Date Made Active in Reports: 03/02/2007

Number of Days to Update: 17

Source: Department of Environment & Natural Resources

Telephone: 919-733-0692

Last EDR Contact: 01/19/2009

Next Scheduled EDR Contact: N/A

Data Release Frequency: No Update Planned

INDIAN ODI: Report on the Status of Open Dumps on Indian Lands

Location of open dumps on Indian land.

Date of Government Version: 12/31/1998

Date Data Arrived at EDR: 12/03/2007

Date Made Active in Reports: 01/24/2008

Number of Days to Update: 52

Source: Environmental Protection Agency

Telephone: 703-308-8245

Last EDR Contact: 01/30/2018

Next Scheduled EDR Contact: 05/14/2018

Data Release Frequency: Varies

DEBRIS REGION 9: Torres Martinez Reservation Illegal Dump Site Locations

A listing of illegal dump sites location on the Torres Martinez Indian Reservation located in eastern Riverside County and northern Imperial County, California.

Date of Government Version: 01/12/2009

Date Data Arrived at EDR: 05/07/2009

Date Made Active in Reports: 09/21/2009

Number of Days to Update: 137

Source: EPA, Region 9

Telephone: 415-947-4219

Last EDR Contact: 07/17/2018

Next Scheduled EDR Contact: 11/05/2018

Data Release Frequency: No Update Planned

ODI: Open Dump Inventory

An open dump is defined as a disposal facility that does not comply with one or more of the Part 257 or Part 258 Subtitle D Criteria.

Date of Government Version: 06/30/1985

Date Data Arrived at EDR: 08/09/2004

Date Made Active in Reports: 09/17/2004

Number of Days to Update: 39

Source: Environmental Protection Agency

Telephone: 800-424-9346

Last EDR Contact: 06/09/2004

Next Scheduled EDR Contact: N/A

Data Release Frequency: No Update Planned

IHS OPEN DUMPS: Open Dumps on Indian Land

A listing of all open dumps located on Indian Land in the United States.

Date of Government Version: 04/01/2014

Date Data Arrived at EDR: 08/06/2014

Date Made Active in Reports: 01/29/2015

Number of Days to Update: 176

Source: Department of Health & Human Services, Indian Health Service

Telephone: 301-443-1452

Last EDR Contact: 05/04/2018

Next Scheduled EDR Contact: 08/13/2018

Data Release Frequency: Varies

Local Lists of Hazardous waste / Contaminated Sites

US HIST CDL: National Clandestine Laboratory Register

A listing of clandestine drug lab locations that have been removed from the DEAs National Clandestine Laboratory Register.

Date of Government Version: 02/22/2018

Date Data Arrived at EDR: 03/01/2018

Date Made Active in Reports: 05/11/2018

Number of Days to Update: 71

Source: Drug Enforcement Administration

Telephone: 202-307-1000

Last EDR Contact: 05/30/2018

Next Scheduled EDR Contact: 09/10/2018

Data Release Frequency: No Update Planned

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

US CDL: Clandestine Drug Labs

A listing of clandestine drug lab locations. The U.S. Department of Justice ("the Department") provides this web site as a public service. It contains addresses of some locations where law enforcement agencies reported they found chemicals or other items that indicated the presence of either clandestine drug laboratories or dumpsites. In most cases, the source of the entries is not the Department, and the Department has not verified the entry and does not guarantee its accuracy. Members of the public must verify the accuracy of all entries by, for example, contacting local law enforcement and local health departments.

Date of Government Version: 02/22/2018
Date Data Arrived at EDR: 03/01/2018
Date Made Active in Reports: 05/11/2018
Number of Days to Update: 71

Source: Drug Enforcement Administration
Telephone: 202-307-1000
Last EDR Contact: 05/30/2018
Next Scheduled EDR Contact: 09/10/2018
Data Release Frequency: Quarterly

Local Land Records

LIENS 2: CERCLA Lien Information

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.

Date of Government Version: 05/13/2018
Date Data Arrived at EDR: 05/30/2018
Date Made Active in Reports: 06/29/2018
Number of Days to Update: 30

Source: Environmental Protection Agency
Telephone: 202-564-6023
Last EDR Contact: 07/06/2018
Next Scheduled EDR Contact: 08/06/2018
Data Release Frequency: Semi-Annually

Records of Emergency Release Reports

HMIRS: Hazardous Materials Information Reporting System

Hazardous Materials Incident Report System. HMIRS contains hazardous material spill incidents reported to DOT.

Date of Government Version: 03/26/2018
Date Data Arrived at EDR: 03/27/2018
Date Made Active in Reports: 06/08/2018
Number of Days to Update: 73

Source: U.S. Department of Transportation
Telephone: 202-366-4555
Last EDR Contact: 03/27/2018
Next Scheduled EDR Contact: 07/09/2018
Data Release Frequency: Quarterly

SPILLS: Spills Incident Listing

A listing spills, hazardous material releases, sanitary sewer overflows, wastewater treatment plant bypasses and upsets, citizen complaints, and any other environmental emergency calls reported to the agency.

Date of Government Version: 03/16/2018
Date Data Arrived at EDR: 03/20/2018
Date Made Active in Reports: 04/12/2018
Number of Days to Update: 23

Source: Department of Environment & Natural Resources
Telephone: 919-807-6308
Last EDR Contact: 06/07/2018
Next Scheduled EDR Contact: 09/24/2018
Data Release Frequency: Quarterly

IMD: Incident Management Database

Groundwater and/or soil contamination incidents

Date of Government Version: 07/21/2006
Date Data Arrived at EDR: 08/01/2006
Date Made Active in Reports: 08/23/2006
Number of Days to Update: 22

Source: Department of Environment and Natural Resources
Telephone: 919-733-3221
Last EDR Contact: 07/01/2011
Next Scheduled EDR Contact: 10/17/2011
Data Release Frequency: No Update Planned

SPILLS 90: SPILLS90 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.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 09/27/2012
Date Data Arrived at EDR: 01/03/2013
Date Made Active in Reports: 03/06/2013
Number of Days to Update: 62

Source: FirstSearch
Telephone: N/A
Last EDR Contact: 01/03/2013
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

SPILLS 80: SPILLS80 data from FirstSearch

Spills 80 includes those spill and release records available from FirstSearch databases prior to 1990. Typically, they may include chemical, oil and/or hazardous substance spills recorded before 1990. Duplicate records that are already included in EDR incident and release records are not included in Spills 80.

Date of Government Version: 06/14/2001
Date Data Arrived at EDR: 01/03/2013
Date Made Active in Reports: 03/06/2013
Number of Days to Update: 62

Source: FirstSearch
Telephone: N/A
Last EDR Contact: 01/03/2013
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

Other Ascertainable Records

RCRA NonGen / NLR: RCRA - Non Generators / No Longer Regulated

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Non-Generators do not presently generate hazardous waste.

Date of Government Version: 03/01/2018
Date Data Arrived at EDR: 03/28/2018
Date Made Active in Reports: 06/22/2018
Number of Days to Update: 86

Source: Environmental Protection Agency
Telephone: (404) 562-8651
Last EDR Contact: 06/28/2018
Next Scheduled EDR Contact: 10/08/2018
Data Release Frequency: Quarterly

FUDS: Formerly Used Defense Sites

The listing includes locations of Formerly Used Defense Sites properties where the US Army Corps of Engineers is actively working or will take necessary cleanup actions.

Date of Government Version: 01/31/2015
Date Data Arrived at EDR: 07/08/2015
Date Made Active in Reports: 10/13/2015
Number of Days to Update: 97

Source: U.S. Army Corps of Engineers
Telephone: 202-528-4285
Last EDR Contact: 05/25/2018
Next Scheduled EDR Contact: 09/03/2018
Data Release Frequency: Varies

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.

Date of Government Version: 12/31/2005
Date Data Arrived at EDR: 11/10/2006
Date Made Active in Reports: 01/11/2007
Number of Days to Update: 62

Source: USGS
Telephone: 888-275-8747
Last EDR Contact: 07/11/2018
Next Scheduled EDR Contact: 10/22/2018
Data Release Frequency: Semi-Annually

FEDLAND: Federal and Indian Lands

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.

Date of Government Version: 12/31/2005
Date Data Arrived at EDR: 02/06/2006
Date Made Active in Reports: 01/11/2007
Number of Days to Update: 339

Source: U.S. Geological Survey
Telephone: 888-275-8747
Last EDR Contact: 07/13/2018
Next Scheduled EDR Contact: 10/22/2018
Data Release Frequency: N/A

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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.

Date of Government Version: 01/01/2017	Source: Environmental Protection Agency
Date Data Arrived at EDR: 02/03/2017	Telephone: 615-532-8599
Date Made Active in Reports: 04/07/2017	Last EDR Contact: 05/15/2018
Number of Days to Update: 63	Next Scheduled EDR Contact: 08/27/2018
	Data Release Frequency: Varies

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.

Date of Government Version: 03/01/2018	Source: Environmental Protection Agency
Date Data Arrived at EDR: 03/27/2018	Telephone: 202-566-1917
Date Made Active in Reports: 06/22/2018	Last EDR Contact: 06/27/2018
Number of Days to Update: 87	Next Scheduled EDR Contact: 10/08/2018
	Data Release Frequency: Quarterly

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.

Date of Government Version: 08/30/2013	Source: Environmental Protection Agency
Date Data Arrived at EDR: 03/21/2014	Telephone: 617-520-3000
Date Made Active in Reports: 06/17/2014	Last EDR Contact: 05/07/2018
Number of Days to Update: 88	Next Scheduled EDR Contact: 08/20/2018
	Data Release Frequency: Quarterly

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.

Date of Government Version: 09/30/2017	Source: Environmental Protection Agency
Date Data Arrived at EDR: 05/08/2018	Telephone: 703-308-4044
Date Made Active in Reports: 07/20/2018	Last EDR Contact: 05/08/2018
Number of Days to Update: 73	Next Scheduled EDR Contact: 08/20/2018
	Data Release Frequency: Varies

TSCA: Toxic Substances Control Act

Toxic Substances Control Act. TSCA identifies manufacturers and importers of chemical substances included on the TSCA Chemical Substance Inventory list. It includes data on the production volume of these substances by plant site.

Date of Government Version: 12/31/2016	Source: EPA
Date Data Arrived at EDR: 06/21/2017	Telephone: 202-260-5521
Date Made Active in Reports: 01/05/2018	Last EDR Contact: 06/22/2018
Number of Days to Update: 198	Next Scheduled EDR Contact: 10/01/2018
	Data Release Frequency: Every 4 Years

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

TRIS: Toxic Chemical Release Inventory System

Toxic Release Inventory System. TRIS identifies facilities which release toxic chemicals to the air, water and land in reportable quantities under SARA Title III Section 313.

Date of Government Version: 12/31/2016	Source: EPA
Date Data Arrived at EDR: 01/10/2018	Telephone: 202-566-0250
Date Made Active in Reports: 01/12/2018	Last EDR Contact: 05/25/2018
Number of Days to Update: 2	Next Scheduled EDR Contact: 09/03/2018
	Data Release Frequency: Annually

SSTS: Section 7 Tracking Systems

Section 7 of the Federal Insecticide, Fungicide and Rodenticide Act, as amended (92 Stat. 829) requires all registered pesticide-producing establishments to submit a report to the Environmental Protection Agency by March 1st each year. Each establishment must report the types and amounts of pesticides, active ingredients and devices being produced, and those having been produced and sold or distributed in the past year.

Date of Government Version: 12/31/2009	Source: EPA
Date Data Arrived at EDR: 12/10/2010	Telephone: 202-564-4203
Date Made Active in Reports: 02/25/2011	Last EDR Contact: 04/09/2018
Number of Days to Update: 77	Next Scheduled EDR Contact: 08/06/2018
	Data Release Frequency: Annually

ROD: Records Of Decision

Record of Decision. ROD documents mandate a permanent remedy at an NPL (Superfund) site containing technical and health information to aid in the cleanup.

Date of Government Version: 05/13/2018	Source: EPA
Date Data Arrived at EDR: 05/30/2018	Telephone: 703-416-0223
Date Made Active in Reports: 06/29/2018	Last EDR Contact: 07/06/2018
Number of Days to Update: 30	Next Scheduled EDR Contact: 10/15/2018
	Data Release Frequency: Annually

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.

Date of Government Version: 11/02/2017	Source: Environmental Protection Agency
Date Data Arrived at EDR: 11/17/2017	Telephone: 202-564-8600
Date Made Active in Reports: 12/08/2017	Last EDR Contact: 07/20/2018
Number of Days to Update: 21	Next Scheduled EDR Contact: 11/05/2018
	Data Release Frequency: Varies

RAATS: RCRA Administrative Action Tracking System

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.

Date of Government Version: 04/17/1995	Source: EPA
Date Data Arrived at EDR: 07/03/1995	Telephone: 202-564-4104
Date Made Active in Reports: 08/07/1995	Last EDR Contact: 06/02/2008
Number of Days to Update: 35	Next Scheduled EDR Contact: 09/01/2008
	Data Release Frequency: No Update Planned

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

PRP: Potentially Responsible Parties

A listing of verified Potentially Responsible Parties

Date of Government Version: 10/25/2013	Source: EPA
Date Data Arrived at EDR: 10/17/2014	Telephone: 202-564-6023
Date Made Active in Reports: 10/20/2014	Last EDR Contact: 07/06/2018
Number of Days to Update: 3	Next Scheduled EDR Contact: 08/20/2018
	Data Release Frequency: Quarterly

PADS: PCB Activity Database System

PCB Activity Database. PADS Identifies generators, transporters, commercial storers and/or brokers and disposers of PCB's who are required to notify the EPA of such activities.

Date of Government Version: 06/01/2017	Source: EPA
Date Data Arrived at EDR: 06/09/2017	Telephone: 202-566-0500
Date Made Active in Reports: 10/13/2017	Last EDR Contact: 07/13/2018
Number of Days to Update: 126	Next Scheduled EDR Contact: 10/22/2018
	Data Release Frequency: Annually

ICIS: Integrated Compliance Information System

The Integrated Compliance Information System (ICIS) supports the information needs of the national enforcement and compliance program as well as the unique needs of the National Pollutant Discharge Elimination System (NPDES) program.

Date of Government Version: 11/18/2016	Source: Environmental Protection Agency
Date Data Arrived at EDR: 11/23/2016	Telephone: 202-564-2501
Date Made Active in Reports: 02/10/2017	Last EDR Contact: 07/09/2018
Number of Days to Update: 79	Next Scheduled EDR Contact: 10/22/2018
	Data Release Frequency: Quarterly

FTTS: FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)

FTTS tracks administrative cases and pesticide enforcement actions and compliance activities related to FIFRA, TSCA and EPCRA (Emergency Planning and Community Right-to-Know Act). To maintain currency, EDR contacts the Agency on a quarterly basis.

Date of Government Version: 04/09/2009	Source: EPA/Office of Prevention, Pesticides and Toxic Substances
Date Data Arrived at EDR: 04/16/2009	Telephone: 202-566-1667
Date Made Active in Reports: 05/11/2009	Last EDR Contact: 08/18/2017
Number of Days to Update: 25	Next Scheduled EDR Contact: 12/04/2017
	Data Release Frequency: Quarterly

FTTS INSP: FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)

A listing of FIFRA/TSCA Tracking System (FTTS) inspections and enforcements.

Date of Government Version: 04/09/2009	Source: EPA
Date Data Arrived at EDR: 04/16/2009	Telephone: 202-566-1667
Date Made Active in Reports: 05/11/2009	Last EDR Contact: 08/18/2017
Number of Days to Update: 25	Next Scheduled EDR Contact: 12/04/2017
	Data Release Frequency: Quarterly

MLTS: Material Licensing Tracking System

MLTS is maintained by the Nuclear Regulatory Commission and contains a list of approximately 8,100 sites which possess or use radioactive materials and which are subject to NRC licensing requirements. To maintain currency, EDR contacts the Agency on a quarterly basis.

Date of Government Version: 08/30/2016	Source: Nuclear Regulatory Commission
Date Data Arrived at EDR: 09/08/2016	Telephone: 301-415-7169
Date Made Active in Reports: 10/21/2016	Last EDR Contact: 07/23/2018
Number of Days to Update: 43	Next Scheduled EDR Contact: 11/05/2018
	Data Release Frequency: Quarterly

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

COAL ASH DOE: Steam-Electric Plant Operation Data

A listing of power plants that store ash in surface ponds.

Date of Government Version: 12/31/2005	Source: Department of Energy
Date Data Arrived at EDR: 08/07/2009	Telephone: 202-586-8719
Date Made Active in Reports: 10/22/2009	Last EDR Contact: 06/07/2018
Number of Days to Update: 76	Next Scheduled EDR Contact: 09/17/2018
	Data Release Frequency: Varies

COAL ASH EPA: Coal Combustion Residues Surface Impoundments List

A listing of coal combustion residues surface impoundments with high hazard potential ratings.

Date of Government Version: 07/01/2014	Source: Environmental Protection Agency
Date Data Arrived at EDR: 09/10/2014	Telephone: N/A
Date Made Active in Reports: 10/20/2014	Last EDR Contact: 06/04/2018
Number of Days to Update: 40	Next Scheduled EDR Contact: 09/17/2018
	Data Release Frequency: Varies

PCB TRANSFORMER: PCB Transformer Registration Database

The database of PCB transformer registrations that includes all PCB registration submittals.

Date of Government Version: 05/24/2017	Source: Environmental Protection Agency
Date Data Arrived at EDR: 11/30/2017	Telephone: 202-566-0517
Date Made Active in Reports: 12/15/2017	Last EDR Contact: 04/27/2018
Number of Days to Update: 15	Next Scheduled EDR Contact: 08/06/2018
	Data Release Frequency: Varies

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.

Date of Government Version: 04/03/2018	Source: Environmental Protection Agency
Date Data Arrived at EDR: 04/05/2018	Telephone: 202-343-9775
Date Made Active in Reports: 06/29/2018	Last EDR Contact: 07/05/2018
Number of Days to Update: 85	Next Scheduled EDR Contact: 10/15/2018
	Data Release Frequency: Quarterly

HIST FTTS: FIFRA/TSCA Tracking System Administrative Case Listing

A complete administrative case listing from the FIFRA/TSCA Tracking System (FTTS) for all ten EPA regions. The information was obtained from the National Compliance Database (NCDB). NCDB supports the implementation of FIFRA (Federal Insecticide, Fungicide, and Rodenticide Act) and TSCA (Toxic Substances Control Act). Some EPA regions are now closing out records. Because of that, and the fact that some EPA regions are not providing EPA Headquarters with updated records, it was decided to create a HIST FTTS database. It included records that may not be included in the newer FTTS database updates. This database is no longer updated.

Date of Government Version: 10/19/2006	Source: Environmental Protection Agency
Date Data Arrived at EDR: 03/01/2007	Telephone: 202-564-2501
Date Made Active in Reports: 04/10/2007	Last EDR Contact: 12/17/2007
Number of Days to Update: 40	Next Scheduled EDR Contact: 03/17/2008
	Data Release Frequency: No Update Planned

HIST FTTS INSP: FIFRA/TSCA Tracking System Inspection & Enforcement Case Listing

A complete inspection and enforcement case listing from the FIFRA/TSCA Tracking System (FTTS) for all ten EPA regions. The information was obtained from the National Compliance Database (NCDB). NCDB supports the implementation of FIFRA (Federal Insecticide, Fungicide, and Rodenticide Act) and TSCA (Toxic Substances Control Act). Some EPA regions are now closing out records. Because of that, and the fact that some EPA regions are not providing EPA Headquarters with updated records, it was decided to create a HIST FTTS database. It included records that may not be included in the newer FTTS database updates. This database is no longer updated.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 10/19/2006
Date Data Arrived at EDR: 03/01/2007
Date Made Active in Reports: 04/10/2007
Number of Days to Update: 40

Source: Environmental Protection Agency
Telephone: 202-564-2501
Last EDR Contact: 12/17/2008
Next Scheduled EDR Contact: 03/17/2008
Data Release Frequency: No Update Planned

DOT OPS: Incident and Accident Data

Department of Transportation, Office of Pipeline Safety Incident and Accident data.

Date of Government Version: 07/31/2012
Date Data Arrived at EDR: 08/07/2012
Date Made Active in Reports: 09/18/2012
Number of Days to Update: 42

Source: Department of Transportation, Office of Pipeline Safety
Telephone: 202-366-4595
Last EDR Contact: 05/03/2018
Next Scheduled EDR Contact: 08/13/2018
Data Release Frequency: Varies

CONSENT: Superfund (CERCLA) Consent Decrees

Major legal settlements that establish responsibility and standards for cleanup at NPL (Superfund) sites. Released periodically by United States District Courts after settlement by parties to litigation matters.

Date of Government Version: 03/31/2018
Date Data Arrived at EDR: 04/16/2018
Date Made Active in Reports: 06/29/2018
Number of Days to Update: 74

Source: Department of Justice, Consent Decree Library
Telephone: Varies
Last EDR Contact: 07/09/2018
Next Scheduled EDR Contact: 10/01/2018
Data Release Frequency: Varies

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.

Date of Government Version: 12/31/2015
Date Data Arrived at EDR: 02/22/2017
Date Made Active in Reports: 09/28/2017
Number of Days to Update: 218

Source: EPA/NTIS
Telephone: 800-424-9346
Last EDR Contact: 06/28/2018
Next Scheduled EDR Contact: 09/03/2018
Data Release Frequency: Biennially

INDIAN RESERV: Indian Reservations

This map layer portrays Indian administered lands of the United States that have any area equal to or greater than 640 acres.

Date of Government Version: 12/31/2014
Date Data Arrived at EDR: 07/14/2015
Date Made Active in Reports: 01/10/2017
Number of Days to Update: 546

Source: USGS
Telephone: 202-208-3710
Last EDR Contact: 07/11/2018
Next Scheduled EDR Contact: 10/22/2018
Data Release Frequency: Semi-Annually

FUSRAP: Formerly Utilized Sites Remedial Action Program

DOE established the Formerly Utilized Sites Remedial Action Program (FUSRAP) in 1974 to remediate sites where radioactive contamination remained from Manhattan Project and early U.S. Atomic Energy Commission (AEC) operations.

Date of Government Version: 12/23/2016
Date Data Arrived at EDR: 12/27/2016
Date Made Active in Reports: 02/17/2017
Number of Days to Update: 52

Source: Department of Energy
Telephone: 202-586-3559
Last EDR Contact: 05/07/2018
Next Scheduled EDR Contact: 08/20/2018
Data Release Frequency: Varies

UMTRA: Uranium Mill Tailings Sites

Uranium ore was mined by private companies for federal government use in national defense programs. When the mills shut down, large piles of the sand-like material (mill tailings) remain after uranium has been extracted from the ore. Levels of human exposure to radioactive materials from the piles are low; however, in some cases tailings were used as construction materials before the potential health hazards of the tailings were recognized.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 06/23/2017
Date Data Arrived at EDR: 10/11/2017
Date Made Active in Reports: 11/03/2017
Number of Days to Update: 23

Source: Department of Energy
Telephone: 505-845-0011
Last EDR Contact: 05/18/2018
Next Scheduled EDR Contact: 09/03/2018
Data Release Frequency: Varies

LEAD SMELTER 1: Lead Smelter Sites

A listing of former lead smelter site locations.

Date of Government Version: 05/13/2018
Date Data Arrived at EDR: 05/30/2018
Date Made Active in Reports: 06/29/2018
Number of Days to Update: 30

Source: Environmental Protection Agency
Telephone: 703-603-8787
Last EDR Contact: 07/06/2018
Next Scheduled EDR Contact: 10/15/2018
Data Release Frequency: Varies

LEAD SMELTER 2: Lead Smelter Sites

A list of several hundred sites in the U.S. where secondary lead smelting was done from 1931 and 1964. These sites may pose a threat to public health through ingestion or inhalation of contaminated soil or dust

Date of Government Version: 04/05/2001
Date Data Arrived at EDR: 10/27/2010
Date Made Active in Reports: 12/02/2010
Number of Days to Update: 36

Source: American Journal of Public Health
Telephone: 703-305-6451
Last EDR Contact: 12/02/2009
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

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.

Date of Government Version: 10/12/2016
Date Data Arrived at EDR: 10/26/2016
Date Made Active in Reports: 02/03/2017
Number of Days to Update: 100

Source: EPA
Telephone: 202-564-2496
Last EDR Contact: 09/26/2017
Next Scheduled EDR Contact: 01/08/2018
Data Release Frequency: Annually

US AIRS MINOR: Air Facility System Data

A listing of minor source facilities.

Date of Government Version: 10/12/2016
Date Data Arrived at EDR: 10/26/2016
Date Made Active in Reports: 02/03/2017
Number of Days to Update: 100

Source: EPA
Telephone: 202-564-2496
Last EDR Contact: 09/26/2017
Next Scheduled EDR Contact: 01/08/2018
Data Release Frequency: Annually

US MINES: Mines Master Index File

Contains all mine identification numbers issued for mines active or opened since 1971. The data also includes violation information.

Date of Government Version: 05/03/2018
Date Data Arrived at EDR: 05/31/2018
Date Made Active in Reports: 06/29/2018
Number of Days to Update: 29

Source: Department of Labor, Mine Safety and Health Administration
Telephone: 303-231-5959
Last EDR Contact: 05/31/2018
Next Scheduled EDR Contact: 09/10/2018
Data Release Frequency: Semi-Annually

US MINES 2: Ferrous and Nonferrous Metal Mines Database Listing

This map layer includes ferrous (ferrous metal mines are facilities that extract ferrous metals, such as iron ore or molybdenum) and nonferrous (Nonferrous metal mines are facilities that extract nonferrous metals, such as gold, silver, copper, zinc, and lead) metal mines in the United States.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 12/05/2005
Date Data Arrived at EDR: 02/29/2008
Date Made Active in Reports: 04/18/2008
Number of Days to Update: 49

Source: USGS
Telephone: 703-648-7709
Last EDR Contact: 05/30/2018
Next Scheduled EDR Contact: 09/10/2018
Data Release Frequency: Varies

US MINES 3: Active Mines & Mineral Plants Database Listing

Active Mines and Mineral Processing Plant operations for commodities monitored by the Minerals Information Team of the USGS.

Date of Government Version: 04/14/2011
Date Data Arrived at EDR: 06/08/2011
Date Made Active in Reports: 09/13/2011
Number of Days to Update: 97

Source: USGS
Telephone: 703-648-7709
Last EDR Contact: 05/30/2018
Next Scheduled EDR Contact: 09/10/2018
Data Release Frequency: Varies

ABANDONED MINES: Abandoned Mines

An inventory of land and water impacted by past mining (primarily coal mining) is maintained by OSMRE to provide information needed to implement the Surface Mining Control and Reclamation Act of 1977 (SMCRA). The inventory contains information on the location, type, and extent of AML impacts, as well as, information on the cost associated with the reclamation of those problems. The inventory is based upon field surveys by State, Tribal, and OSMRE program officials. It is dynamic to the extent that it is modified as new problems are identified and existing problems are reclaimed.

Date of Government Version: 03/08/2018
Date Data Arrived at EDR: 03/13/2018
Date Made Active in Reports: 06/08/2018
Number of Days to Update: 87

Source: Department of Interior
Telephone: 202-208-2609
Last EDR Contact: 06/20/2018
Next Scheduled EDR Contact: 09/24/2018
Data Release Frequency: Quarterly

FINDS: Facility Index System/Facility Registry System

Facility Index System. FINDS contains both facility information and 'pointers' to other sources that contain more detail. EDR includes the following FINDS databases in this 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).

Date of Government Version: 02/21/2018
Date Data Arrived at EDR: 02/23/2018
Date Made Active in Reports: 03/23/2018
Number of Days to Update: 28

Source: EPA
Telephone: (404) 562-9900
Last EDR Contact: 06/06/2018
Next Scheduled EDR Contact: 09/17/2018
Data Release Frequency: Quarterly

ECHO: Enforcement & Compliance History Information

ECHO provides integrated compliance and enforcement information for about 800,000 regulated facilities nationwide.

Date of Government Version: 02/25/2018
Date Data Arrived at EDR: 03/17/2018
Date Made Active in Reports: 06/08/2018
Number of Days to Update: 83

Source: Environmental Protection Agency
Telephone: 202-564-2280
Last EDR Contact: 06/06/2018
Next Scheduled EDR Contact: 09/17/2018
Data Release Frequency: Quarterly

DOCKET HWC: Hazardous Waste Compliance Docket Listing

A complete list of the Federal Agency Hazardous Waste Compliance Docket Facilities.

Date of Government Version: 01/04/2018
Date Data Arrived at EDR: 01/19/2018
Date Made Active in Reports: 04/13/2018
Number of Days to Update: 84

Source: Environmental Protection Agency
Telephone: 202-564-0527
Last EDR Contact: 06/01/2018
Next Scheduled EDR Contact: 09/10/2018
Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

UXO: Unexploded Ordnance Sites

A listing of unexploded ordnance site locations

Date of Government Version: 09/30/2016	Source: Department of Defense
Date Data Arrived at EDR: 10/31/2017	Telephone: 703-704-1564
Date Made Active in Reports: 01/12/2018	Last EDR Contact: 07/13/2018
Number of Days to Update: 73	Next Scheduled EDR Contact: 10/29/2018
	Data Release Frequency: Varies

FUELS PROGRAM: EPA Fuels Program Registered Listing

This listing includes facilities that are registered under the Part 80 (Code of Federal Regulations) EPA Fuels Programs. All companies now are required to submit new and updated registrations.

Date of Government Version: 02/20/2018	Source: EPA
Date Data Arrived at EDR: 02/21/2018	Telephone: 800-385-6164
Date Made Active in Reports: 03/23/2018	Last EDR Contact: 05/23/2018
Number of Days to Update: 30	Next Scheduled EDR Contact: 09/03/2018
	Data Release Frequency: Quarterly

AIRS: Air Quality Permit Listing

A listing of facilities with air quality permits.

Date of Government Version: 03/09/2018	Source: Department of Environmental Quality
Date Data Arrived at EDR: 03/09/2018	Telephone: 919-707-8726
Date Made Active in Reports: 06/07/2018	Last EDR Contact: 06/14/2018
Number of Days to Update: 90	Next Scheduled EDR Contact: 09/24/2018
	Data Release Frequency: Varies

ASBESTOS: ASBESTOS

Asbestos notification sites

Date of Government Version: 10/15/2016	Source: Department of Health & Human Services
Date Data Arrived at EDR: 03/01/2018	Telephone: 919-707-5973
Date Made Active in Reports: 04/18/2018	Last EDR Contact: 07/23/2018
Number of Days to Update: 48	Next Scheduled EDR Contact: 11/05/2018
	Data Release Frequency: Varies

COAL ASH: Coal Ash Disposal Sites

A listing of coal combustion products distribution permits issued by the Division for the treatment, storage, transportation, use and disposal of coal combustion products.

Date of Government Version: 12/14/2015	Source: Department of Environment & Natural Resources
Date Data Arrived at EDR: 02/23/2016	Telephone: 919-807-6359
Date Made Active in Reports: 05/18/2016	Last EDR Contact: 06/15/2018
Number of Days to Update: 85	Next Scheduled EDR Contact: 08/13/2018
	Data Release Frequency: Varies

DRYCLEANERS: Drycleaning Sites

Potential and known drycleaning sites, active and abandoned, that the Drycleaning Solvent Cleanup Program has knowledge of and entered into this database.

Date of Government Version: 02/13/2018	Source: Department of Environment & Natural Resources
Date Data Arrived at EDR: 03/21/2018	Telephone: 919-508-8400
Date Made Active in Reports: 04/17/2018	Last EDR Contact: 06/20/2018
Number of Days to Update: 27	Next Scheduled EDR Contact: 10/01/2018
	Data Release Frequency: Varies

Financial Assurance 1: Financial Assurance Information Listing

A listing of financial assurance information for underground storage tank facilities. 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.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 05/04/2018
Date Data Arrived at EDR: 05/08/2018
Date Made Active in Reports: 06/11/2018
Number of Days to Update: 34

Source: Department of Environment & Natural Resources
Telephone: 919-733-1322
Last EDR Contact: 05/08/2018
Next Scheduled EDR Contact: 08/20/2018
Data Release Frequency: Quarterly

Financial Assurance 2: Financial Assurance Information Listing

Information for solid waste facilities. 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.

Date of Government Version: 10/02/2012
Date Data Arrived at EDR: 10/03/2012
Date Made Active in Reports: 10/26/2012
Number of Days to Update: 23

Source: Department of Environmental & Natural Resources
Telephone: 919-508-8496
Last EDR Contact: 06/22/2018
Next Scheduled EDR Contact: 10/08/2018
Data Release Frequency: Varies

Financial Assurance 3: Financial Assurance Information

Hazardous waste financial assurance information.

Date of Government Version: 03/08/2018
Date Data Arrived at EDR: 03/13/2018
Date Made Active in Reports: 04/16/2018
Number of Days to Update: 34

Source: Department of Environment & Natural Resources
Telephone: 919-707-8222
Last EDR Contact: 06/07/2018
Next Scheduled EDR Contact: 09/24/2018
Data Release Frequency: Varies

NPDES: NPDES Facility Location Listing

General information regarding NPDES(National Pollutant Discharge Elimination System) permits.

Date of Government Version: 04/02/2018
Date Data Arrived at EDR: 05/04/2018
Date Made Active in Reports: 06/11/2018
Number of Days to Update: 38

Source: Department of Environment & Natural Resources
Telephone: 919-733-7015
Last EDR Contact: 05/04/2018
Next Scheduled EDR Contact: 08/13/2018
Data Release Frequency: Varies

UIC: Underground Injection Wells Listing

A listing of underground injection wells locations.

Date of Government Version: 03/02/2018
Date Data Arrived at EDR: 03/05/2018
Date Made Active in Reports: 04/13/2018
Number of Days to Update: 39

Source: Department of Environment & Natural Resources
Telephone: 919-807-6412
Last EDR Contact: 06/01/2018
Next Scheduled EDR Contact: 09/17/2018
Data Release Frequency: Quarterly

AOP: Animal Operation Permits Listing

This listing includes animal operations that are required to be permitted by the state.

Date of Government Version: 01/26/2018
Date Data Arrived at EDR: 03/09/2018
Date Made Active in Reports: 06/07/2018
Number of Days to Update: 90

Source: Department of Environmental Quality
Telephone: 919-707-9129
Last EDR Contact: 06/15/2018
Next Scheduled EDR Contact: 09/24/2018
Data Release Frequency: Varies

EDR HIGH RISK HISTORICAL RECORDS

EDR Exclusive Records

EDR MGP: EDR Proprietary Manufactured Gas Plants

The EDR Proprietary Manufactured Gas Plant Database includes records of coal gas plants (manufactured gas plants) compiled by EDR's researchers. Manufactured gas sites were used in the United States from the 1800's to 1950's to produce a gas that could be distributed and used as fuel. These plants used whale oil, rosin, coal, or a mixture of coal, oil, and water that also produced a significant amount of waste. Many of the byproducts of the gas production, such as coal tar (oily waste containing volatile and non-volatile chemicals), sludges, oils and other compounds are potentially hazardous to human health and the environment. The byproduct from this process was frequently disposed of directly at the plant site and can remain or spread slowly, serving as a continuous source of soil and groundwater contamination.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: N/A
Date Data Arrived at EDR: N/A
Date Made Active in Reports: N/A
Number of Days to Update: N/A

Source: EDR, Inc.
Telephone: N/A
Last EDR Contact: N/A
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

EDR Hist Auto: EDR Exclusive Historical Auto Stations

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.

Date of Government Version: N/A
Date Data Arrived at EDR: N/A
Date Made Active in Reports: N/A
Number of Days to Update: N/A

Source: EDR, Inc.
Telephone: N/A
Last EDR Contact: N/A
Next Scheduled EDR Contact: N/A
Data Release Frequency: Varies

EDR Hist Cleaner: EDR Exclusive Historical 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.

Date of Government Version: N/A
Date Data Arrived at EDR: N/A
Date Made Active in Reports: N/A
Number of Days to Update: N/A

Source: EDR, Inc.
Telephone: N/A
Last EDR Contact: N/A
Next Scheduled EDR Contact: N/A
Data Release Frequency: Varies

EDR RECOVERED GOVERNMENT ARCHIVES

Exclusive Recovered Govt. Archives

RGA HWS: Recovered Government Archive State Hazardous Waste Facilities List

The EDR Recovered Government Archive State Hazardous Waste database provides a list of SHWS incidents derived from historical databases and includes many records that no longer appear in current government lists. Compiled from Records formerly available from the Department of Environment, Health and Natural Resources in North Carolina.

Date of Government Version: N/A
Date Data Arrived at EDR: 07/01/2013
Date Made Active in Reports: 12/24/2013
Number of Days to Update: 176

Source: Department of Environment, Health and Natural Resources
Telephone: N/A
Last EDR Contact: 06/01/2012
Next Scheduled EDR Contact: N/A
Data Release Frequency: Varies

RGA LF: Recovered Government Archive Solid Waste Facilities List

The EDR Recovered Government Archive Landfill database provides a list of landfills derived from historical databases and includes many records that no longer appear in current government lists. Compiled from Records formerly available from the Department of Environment, Health and Natural Resources in North Carolina.

Date of Government Version: N/A
Date Data Arrived at EDR: 07/01/2013
Date Made Active in Reports: 01/13/2014
Number of Days to Update: 196

Source: Department of Environment, Health and Natural Resources
Telephone: N/A
Last EDR Contact: 06/01/2012
Next Scheduled EDR Contact: N/A
Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

RGA LUST: Recovered Government Archive Leaking Underground Storage Tank

The EDR Recovered Government Archive Leaking Underground Storage Tank database provides a list of LUST incidents derived from historical databases and includes many records that no longer appear in current government lists. Compiled from Records formerly available from the Department of Environment, Health and Natural Resources in North Carolina.

Date of Government Version: N/A
Date Data Arrived at EDR: 07/01/2013
Date Made Active in Reports: 12/20/2013
Number of Days to Update: 172

Source: Department of Environment, Health and Natural Resources
Telephone: N/A
Last EDR Contact: 06/01/2012
Next Scheduled EDR Contact: N/A
Data Release Frequency: Varies

OTHER DATABASE(S)

Depending on the geographic area covered by this report, the data provided in these specialty databases may or may not be complete. For example, the existence of wetlands information data in a specific report does not mean that all wetlands in the area covered by the report are included. Moreover, the absence of any reported wetlands information does not necessarily mean that wetlands do not exist in the area covered by the report.

CT MANIFEST: Hazardous Waste Manifest Data

Facility and manifest data. Manifest is a document that lists and tracks hazardous waste from the generator through transporters to a tsd facility.

Date of Government Version: 01/03/2018
Date Data Arrived at EDR: 02/14/2018
Date Made Active in Reports: 03/22/2018
Number of Days to Update: 36

Source: Department of Energy & Environmental Protection
Telephone: 860-424-3375
Last EDR Contact: 05/18/2018
Next Scheduled EDR Contact: 08/27/2018
Data Release Frequency: No Update Planned

NJ MANIFEST: Manifest Information

Hazardous waste manifest information.

Date of Government Version: 12/31/2016
Date Data Arrived at EDR: 04/11/2017
Date Made Active in Reports: 07/27/2017
Number of Days to Update: 107

Source: Department of Environmental Protection
Telephone: N/A
Last EDR Contact: 07/13/2018
Next Scheduled EDR Contact: 10/22/2018
Data Release Frequency: Annually

NY MANIFEST: Facility and Manifest Data

Manifest is a document that lists and tracks hazardous waste from the generator through transporters to a TSD facility.

Date of Government Version: 04/30/2018
Date Data Arrived at EDR: 05/03/2018
Date Made Active in Reports: 06/07/2018
Number of Days to Update: 35

Source: Department of Environmental Conservation
Telephone: 518-402-8651
Last EDR Contact: 05/03/2018
Next Scheduled EDR Contact: 08/13/2018
Data Release Frequency: Quarterly

PA MANIFEST: Manifest Information

Hazardous waste manifest information.

Date of Government Version: 12/31/2016
Date Data Arrived at EDR: 07/25/2017
Date Made Active in Reports: 09/25/2017
Number of Days to Update: 62

Source: Department of Environmental Protection
Telephone: 717-783-8990
Last EDR Contact: 07/12/2018
Next Scheduled EDR Contact: 10/29/2018
Data Release Frequency: Annually

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

RI MANIFEST: Manifest information

Hazardous waste manifest information

Date of Government Version: 12/31/2017

Date Data Arrived at EDR: 02/23/2018

Date Made Active in Reports: 04/09/2018

Number of Days to Update: 45

Source: Department of Environmental Management

Telephone: 401-222-2797

Last EDR Contact: 05/21/2018

Next Scheduled EDR Contact: 09/03/2018

Data Release Frequency: Annually

WI MANIFEST: Manifest Information

Hazardous waste manifest information.

Date of Government Version: 12/31/2017

Date Data Arrived at EDR: 06/15/2018

Date Made Active in Reports: 07/09/2018

Number of Days to Update: 24

Source: Department of Natural Resources

Telephone: N/A

Last EDR Contact: 06/11/2018

Next Scheduled EDR Contact: 09/24/2018

Data Release Frequency: Annually

Oil/Gas Pipelines

Source: PennWell Corporation

Petroleum Bundle (Crude Oil, Refined Products, Petrochemicals, Gas Liquids (LPG/NGL), and Specialty Gases (Miscellaneous)) N = Natural Gas Bundle (Natural Gas, Gas Liquids (LPG/NGL), and Specialty Gases (Miscellaneous)). This map includes information copyrighted by PennWell Corporation. This information is provided on a best effort basis and PennWell Corporation does not guarantee its accuracy nor warrant its fitness for any particular purpose. Such information has been reprinted with the permission of PennWell.

Electric Power Transmission Line Data

Source: PennWell Corporation

This map includes information copyrighted by PennWell Corporation. This information is provided on a best effort basis and PennWell Corporation does not guarantee its accuracy nor warrant its fitness for any particular purpose. Such information has been reprinted with the permission of PennWell.

Sensitive Receptors: There are individuals deemed sensitive receptors due to their fragile immune systems and special sensitivity to environmental discharges. These sensitive receptors typically include the elderly, the sick, and children. While the location of all sensitive receptors cannot be determined, EDR indicates those buildings and facilities - schools, daycares, hospitals, medical centers, and nursing homes - where individuals who are sensitive receptors are likely to be located.

AHA Hospitals:

Source: American Hospital Association, Inc.

Telephone: 312-280-5991

The database includes a listing of hospitals based on the American Hospital Association's annual survey of hospitals.

Medical Centers: Provider of Services Listing

Source: Centers for Medicare & Medicaid Services

Telephone: 410-786-3000

A listing of hospitals with Medicare provider number, produced by Centers of Medicare & Medicaid Services, a federal agency within the U.S. Department of Health and Human Services.

Nursing Homes

Source: National Institutes of Health

Telephone: 301-594-6248

Information on Medicare and Medicaid certified nursing homes in the United States.

Public Schools

Source: National Center for Education Statistics

Telephone: 202-502-7300

The National Center for Education Statistics' primary database on elementary and secondary public education in the United States. It is a comprehensive, annual, national statistical database of all public elementary and secondary schools and school districts, which contains data that are comparable across all states.

Private Schools

Source: National Center for Education Statistics

Telephone: 202-502-7300

The National Center for Education Statistics' primary database on private school locations in the United States.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Daycare Centers: Child Care Facility List
Source: Department of Health & Human Services
Telephone: 919-662-4499

Flood Zone Data: This data was obtained from the Federal Emergency Management Agency (FEMA). It depicts 100-year and 500-year flood zones as defined by FEMA. It includes the National Flood Hazard Layer (NFHL) which incorporates Flood Insurance Rate Map (FIRM) data and Q3 data from FEMA in areas not covered by NFHL.

Source: FEMA
Telephone: 877-336-2627
Date of Government Version: 2003, 2015

NWI: National Wetlands Inventory. This data, available in select counties across the country, was obtained by EDR in 2002, 2005 and 2010 from the U.S. Fish and Wildlife Service.

State Wetlands Data: Wetland Inventory
Source: US Fish & Wildlife Service
Telephone: 703-358-2171

Current USGS 7.5 Minute Topographic Map
Source: U.S. Geological Survey

STREET AND ADDRESS INFORMATION

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GEOCHECK® - PHYSICAL SETTING SOURCE ADDENDUM

TARGET PROPERTY ADDRESS

U6018
NC 62
HIGH POINT, NC 27263

TARGET PROPERTY COORDINATES

Latitude (North):	35.925054 - 35° 55' 30.19"
Longitude (West):	79.939647 - 79° 56' 22.73"
Universal Transverse Mercator:	Zone 17
UTM X (Meters):	595661.4
UTM Y (Meters):	3975955.0
Elevation:	821 ft. above sea level

USGS TOPOGRAPHIC MAP

Target Property Map:	5945535 HIGH POINT EAST, NC
Version Date:	2013

EDR's GeoCheck Physical Setting Source Addendum is provided to assist the environmental professional in forming an opinion about the impact of potential contaminant migration.

Assessment of the impact of contaminant migration generally has two principal investigative components:

1. Groundwater flow direction, and
2. Groundwater flow velocity.

Groundwater flow direction may be impacted by surface topography, hydrology, hydrogeology, characteristics of the soil, and nearby wells. Groundwater flow velocity is generally impacted by the nature of the geologic strata.

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

GROUNDWATER FLOW DIRECTION INFORMATION

Groundwater flow direction for a particular site is best determined by a qualified environmental professional using site-specific well data. If such data is not reasonably ascertainable, it may be necessary to rely on other sources of information, such as surface topographic information, hydrologic information, hydrogeologic data collected on nearby properties, and regional groundwater flow information (from deep aquifers).

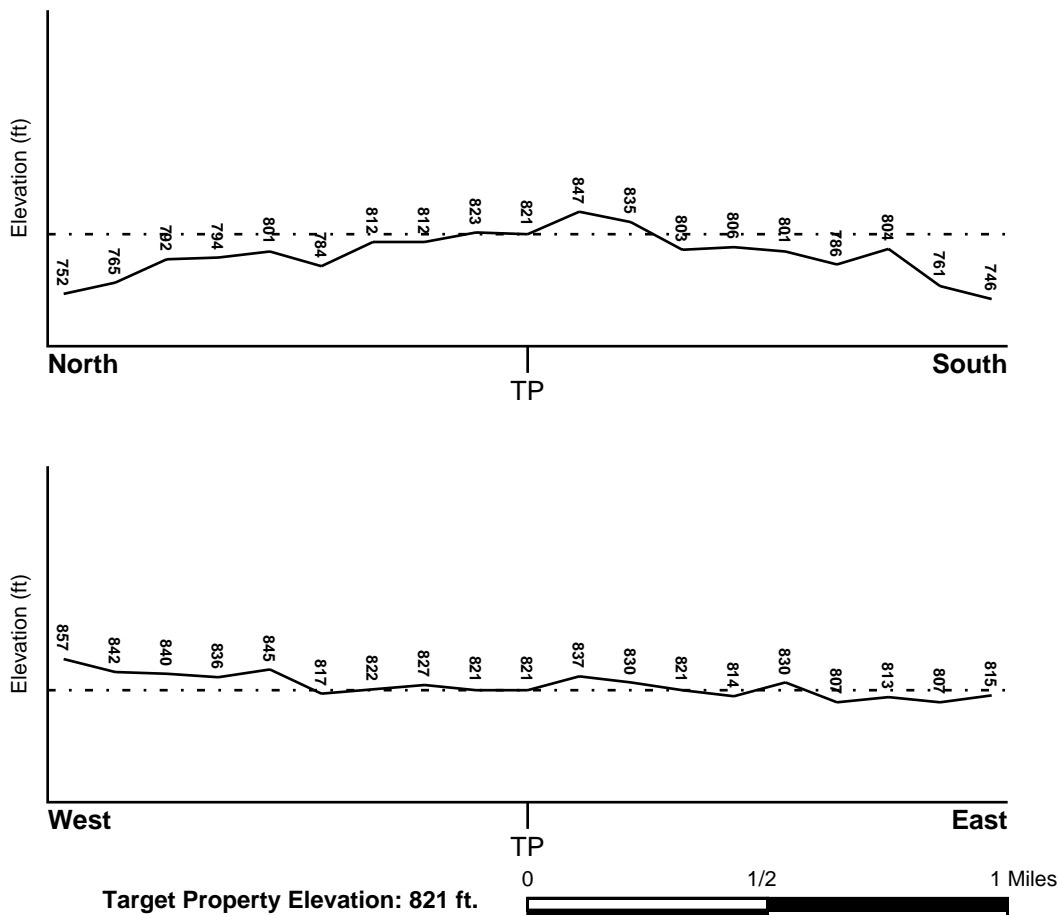
TOPOGRAPHIC INFORMATION

Surface topography may be indicative of the direction of surficial groundwater flow. This information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

TARGET PROPERTY TOPOGRAPHY

General Topographic Gradient: General NNE

SURROUNDING TOPOGRAPHY: ELEVATION PROFILES



Source: Topography has been determined from the USGS 7.5' Digital Elevation Model and should be evaluated on a relative (not an absolute) basis. Relative elevation information between sites of close proximity should be field verified.

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

HYDROLOGIC INFORMATION

Surface water can act as a hydrologic barrier to groundwater flow. Such hydrologic information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

Refer to the Physical Setting Source Map following this summary for hydrologic information (major waterways and bodies of water).

FEMA FLOOD ZONE

<u>Flood Plain Panel at Target Property</u>	<u>FEMA Source Type</u>
3710772900K	FEMA FIRM Flood data
<u>Additional Panels in search area:</u>	<u>FEMA Source Type</u>
3710771900K	FEMA FIRM Flood data
3710772800K	FEMA FIRM Flood data
3710771800J	FEMA FIRM Flood data

NATIONAL WETLAND INVENTORY

<u>NWI Quad at Target Property</u>	<u>NWI Electronic Data Coverage</u>
HIGH POINT EAST	YES - refer to the Overview Map and Detail Map

HYDROGEOLOGIC INFORMATION

Hydrogeologic information obtained by installation of wells on a specific site can often be an indicator of groundwater flow direction in the immediate area. Such hydrogeologic information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

AQUIFLOW®

Search Radius: 1.000 Mile.

EDR has developed the AQUIFLOW Information System to provide data on the general direction of groundwater flow at specific points. EDR has reviewed reports submitted by environmental professionals to regulatory authorities at select sites and has extracted the date of the report, groundwater flow direction as determined hydrogeologically, and the depth to water table.

<u>MAP ID</u>	<u>LOCATION FROM TP</u>	<u>GENERAL DIRECTION GROUNDWATER FLOW</u>
Not Reported		

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

GROUNDWATER FLOW VELOCITY INFORMATION

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. In general, contaminant plumes move more quickly through sandy-gravelly types of soils than silty-clayey types of soils.

GEOLOGIC INFORMATION IN GENERAL AREA OF TARGET PROPERTY

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

ROCK STRATIGRAPHIC UNIT

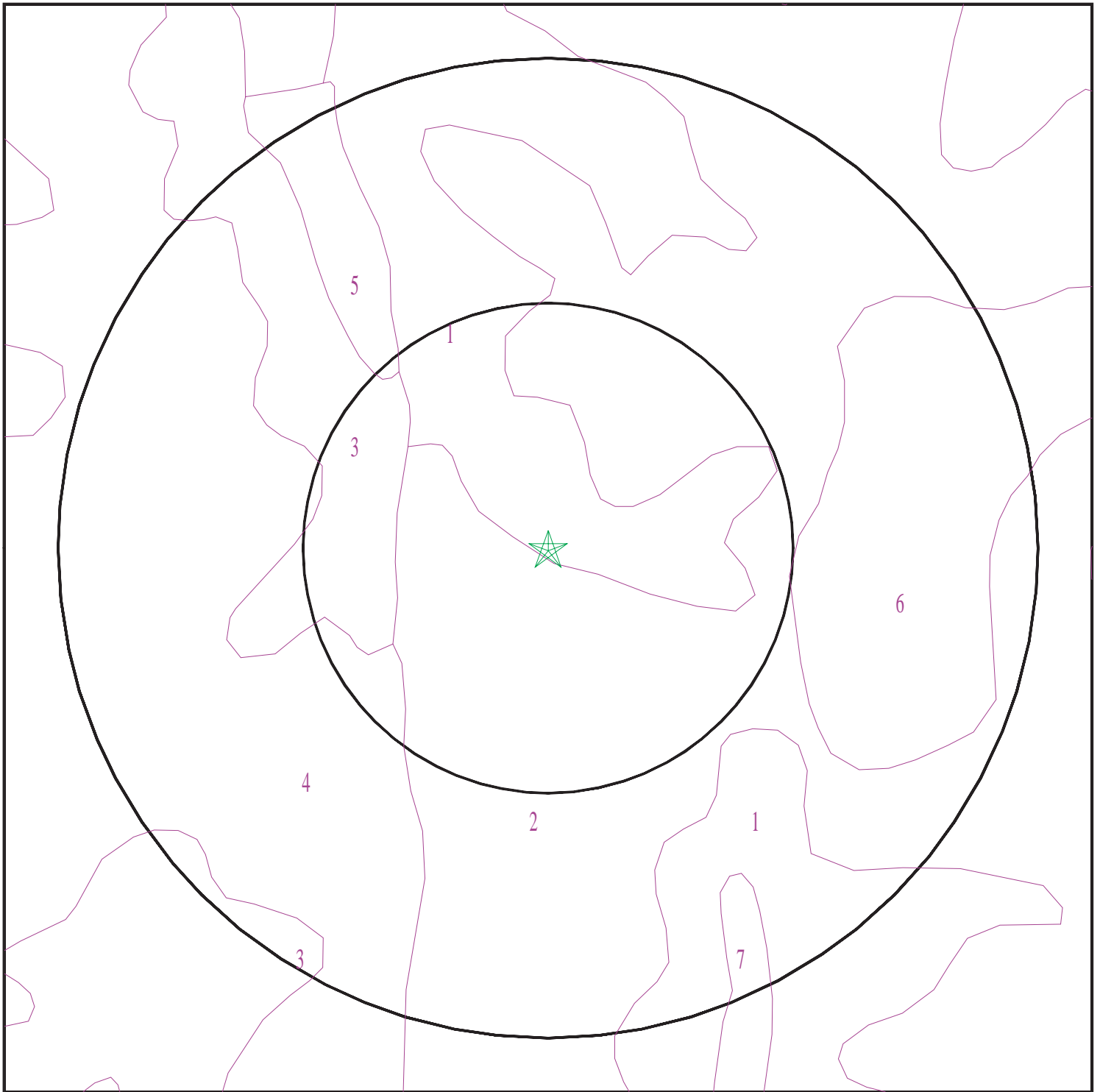
Era:	Paleozoic
System:	Ordovian
Series:	Lower Paleozoic granitic rocks
Code:	Pzg1 (<i>decoded above as Era, System & Series</i>)

GEOLOGIC AGE IDENTIFICATION

Category: Plutonic and Intrusive Rocks

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. Beikman Map, USGS Digital Data Series DDS - 11 (1994).

SSURGO SOIL MAP - 5370776.2s



- ★ Target Property
- SSURGO Soil
- Water



SITE NAME: U6018
ADDRESS: NC 62
High Point NC 27263
LAT/LONG: 35.925054 / 79.939647

CLIENT: Kleinfelder Inc.
CONTACT: Joseph C Hollinger
INQUIRY #: 5370776.2s
DATE: July 24, 2018 12:56 pm

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

DOMINANT SOIL COMPOSITION IN GENERAL AREA OF TARGET PROPERTY

The U.S. Department of Agriculture's (USDA) Soil Conservation Service (SCS) leads the National Cooperative Soil Survey (NCSS) and is responsible for collecting, storing, maintaining and distributing soil survey information for privately owned lands in the United States. A soil map in a soil survey is a representation of soil patterns in a landscape. The following information is based on Soil Conservation Service SSURGO data.

Soil Map ID: 1

Soil Component Name: Enon

Soil Surface Texture: fine sandy loam

Hydrologic Group: Class C - Slow infiltration rates. Soils with layers impeding downward movement of water, or soils with moderately fine or fine textures.

Soil Drainage Class: Well drained

Hydric Status: Not hydric

Corrosion Potential - Uncoated Steel: High

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

Soil Layer Information							
Layer	Boundary		Soil Texture Class	Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
	Upper	Lower		AASHTO Group	Unified Soil		
1	0 inches	7 inches	fine sandy loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	COARSE-GRAINED SOILS, Sands, Sands with fines, Clayey sand.	Max: 42 Min: 14	Max: 6.5 Min: 5.1
2	7 inches	11 inches		Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Lean Clay	Max: 14 Min: 4	Max: 6.5 Min: 5.1
3	11 inches	33 inches		Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Lean Clay	Max: 1.4 Min: 0.42	Max: 7.8 Min: 5.1
4	33 inches	74 inches	loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 14 Min: 1.4	Max: 7.8 Min: 6.1

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

Soil Map ID: 2

Soil Component Name: Enon

Soil Surface Texture: fine sandy loam

Hydrologic Group: Class C - Slow infiltration rates. Soils with layers impeding downward movement of water, or soils with moderately fine or fine textures.

Soil Drainage Class: Well drained

Hydric Status: Partially hydric

Corrosion Potential - Uncoated Steel: High

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

Soil Layer Information							
Layer	Boundary		Soil Texture Class	Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
	Upper	Lower		AASHTO Group	Unified Soil		
1	0 inches	7 inches	fine sandy loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	COARSE-GRAINED SOILS, Sands, Sands with fines, Clayey sand.	Max: 42 Min: 14	Max: 6.5 Min: 5.1
2	7 inches	11 inches		Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Lean Clay	Max: 14 Min: 4	Max: 6.5 Min: 5.1
3	11 inches	33 inches		Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Lean Clay	Max: 1.4 Min: 0.42	Max: 7.8 Min: 5.1
4	33 inches	74 inches	loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 14 Min: 1.4	Max: 7.8 Min: 6.1

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

Soil Map ID: 3

Soil Component Name: Appling

Soil Surface Texture: sandy loam

Hydrologic Group: Class B - Moderate infiltration rates. Deep and moderately deep, moderately well and well drained soils with moderately coarse textures.

Soil Drainage Class: Well drained

Hydric Status: Not hydric

Corrosion Potential - Uncoated Steel: Moderate

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

Soil Layer Information							
Layer	Boundary		Soil Texture Class	Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
	Upper	Lower		AASHTO Group	Unified Soil		
1	0 inches	5 inches	sandy loam	Granular materials (35 pct. or less passing No. 200), Silty, or Clayey Gravel and Sand.	COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 42 Min: 14	Max: 6.5 Min: 4.5
2	5 inches	18 inches	sandy clay loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Lean Clay Soils.	Max: 14 Min: 4	Max: 5.5 Min: 4.5
3	18 inches	35 inches	clay	Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), silt.	Max: 14 Min: 4	Max: 5.5 Min: 4.5
4	35 inches	51 inches	sandy clay loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Lean Clay Soils.	Max: 14 Min: 4	Max: 5.5 Min: 4.5

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

Soil Layer Information							
Layer	Boundary		Soil Texture Class	Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
	Upper	Lower		AASHTO Group	Unified Soil		
5	51 inches	62 inches	sandy loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	COARSE-GRAINED SOILS, Sands, Sands with fines, Clayey sand. COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 14 Min: 4	Max: 5.5 Min: 4.5

Soil Map ID: 4

Soil Component Name: Appling

Soil Surface Texture: sandy loam

Hydrologic Group: Class B - Moderate infiltration rates. Deep and moderately deep, moderately well and well drained soils with moderately coarse textures.

Soil Drainage Class: Well drained

Hydric Status: Not hydric

Corrosion Potential - Uncoated Steel: Moderate

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

Soil Layer Information							
Layer	Boundary		Soil Texture Class	Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
	Upper	Lower		AASHTO Group	Unified Soil		
1	0 inches	5 inches	sandy loam	Granular materials (35 pct. or less passing No. 200), Silty, or Clayey Gravel and Sand.	COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 42 Min: 14	Max: 6.5 Min: 4.5

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

Soil Layer Information							
Layer	Boundary		Soil Texture Class	Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
	Upper	Lower		AASHTO Group	Unified Soil		
2	18 inches	35 inches	clay	Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), silt.	Max: 14 Min: 4	Max: 5.5 Min: 4.5
3	35 inches	51 inches	sandy clay loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Lean Clay Soils.	Max: 14 Min: 4	Max: 5.5 Min: 4.5
4	5 inches	18 inches	sandy clay loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Lean Clay Soils.	Max: 14 Min: 4	Max: 5.5 Min: 4.5
5	51 inches	62 inches	sandy loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	COARSE-GRAINED SOILS, Sands, Sands with fines, Clayey sand. COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 14 Min: 4	Max: 5.5 Min: 4.5

Soil Map ID: 5

Soil Component Name: Water

Soil Surface Texture: sandy loam

Hydrologic Group: Class B - Moderate infiltration rates. Deep and moderately deep, moderately well and well drained soils with moderately coarse textures.

Soil Drainage Class:
Hydric Status: Not hydric

Corrosion Potential - Uncoated Steel: Not Reported

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

No Layer Information available.

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

Soil Map ID: 6

Soil Component Name: Vance

Soil Surface Texture: sandy loam

Hydrologic Group: Class C - Slow infiltration rates. Soils with layers impeding downward movement of water, or soils with moderately fine or fine textures.

Soil Drainage Class: Well drained

Hydric Status: Not hydric

Corrosion Potential - Uncoated Steel: High

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

Soil Layer Information							
Layer	Boundary		Soil Texture Class	Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
	Upper	Lower		AASHTO Group	Unified Soil		
1	35 inches	50 inches	sandy loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	COARSE-GRAINED SOILS, Sands, Sands with fines, Clayey sand. COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 14 Min: 4	Max: 5.5 Min: 4.5
2	50 inches	78 inches	clay loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	COARSE-GRAINED SOILS, Sands, Sands with fines, Clayey sand. COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 14 Min: 4	Max: 5.5 Min: 4.5
3	0 inches	5 inches	sandy loam	Granular materials (35 pct. or less passing No. 200), Silty, or Clayey Gravel and Sand.	COARSE-GRAINED SOILS, Sands, Sands with fines, Clayey sand. COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 42 Min: 14	Max: 6 Min: 4.5
4	5 inches	35 inches	clay	Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit 50% or more), Fat Clay.	Max: 1.4 Min: 0.42	Max: 5.5 Min: 4.5

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

Soil Map ID: 7

Soil Component Name: Chewacla

Soil Surface Texture: loam

Hydrologic Group: Class C - Slow infiltration rates. Soils with layers impeding downward movement of water, or soils with moderately fine or fine textures.

Soil Drainage Class: Somewhat poorly drained

Hydric Status: Partially hydric

Corrosion Potential - Uncoated Steel: High

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 38 inches

Soil Layer Information							
Layer	Boundary		Soil Texture Class	Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
	Upper	Lower		AASHTO Group	Unified Soil		
1	0 inches	5 inches	loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), silt.	Max: 14 Min: 4	Max: 6.5 Min: 4.5
2	5 inches	14 inches	silty clay loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), silt.	Max: 14 Min: 4	Max: 6.5 Min: 4.5
3	14 inches	22 inches	sandy clay loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), silt.	Max: 14 Min: 4	Max: 6.5 Min: 4.5
4	22 inches	50 inches	clay loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), silt.	Max: 14 Min: 4	Max: 7.8 Min: 4.5
5	50 inches	59 inches	loamy fine sand	Granular materials (35 pct. or less passing No. 200), Silty, or Clayey Gravel and Sand.	COARSE-GRAINED SOILS, Sands, Sands with fines, Clayey sand. COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 141 Min: 14	Max: 6.5 Min: 3.6

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

LOCAL / REGIONAL WATER AGENCY RECORDS

EDR Local/Regional Water Agency records provide water well information to assist the environmental professional in assessing sources that may impact ground water flow direction, and in forming an opinion about the impact of contaminant migration on nearby drinking water wells.

WELL SEARCH DISTANCE INFORMATION

<u>DATABASE</u>	<u>SEARCH DISTANCE (miles)</u>
Federal USGS	1.000
Federal FRDS PWS	Nearest PWS within 1 mile
State Database	1.000

FEDERAL USGS WELL INFORMATION

<u>MAP ID</u>	<u>WELL ID</u>	<u>LOCATION FROM TP</u>
1	USGS40000891846	1/4 - 1/2 Mile WNW
3	USGS40000891810	1/2 - 1 Mile West

FEDERAL FRDS PUBLIC WATER SUPPLY SYSTEM INFORMATION

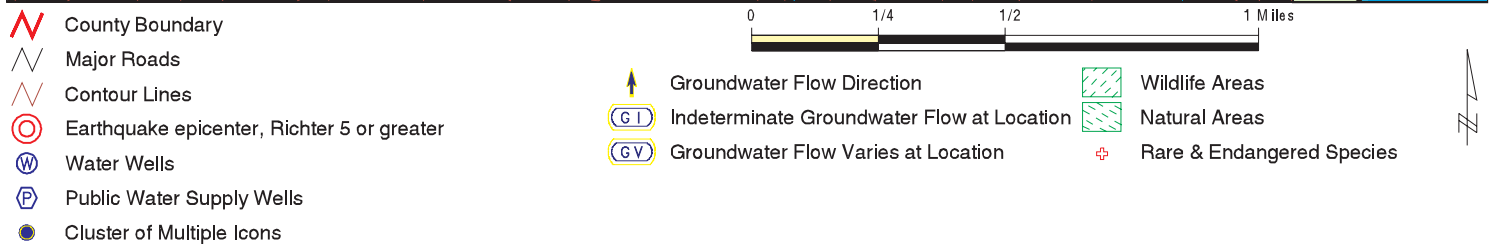
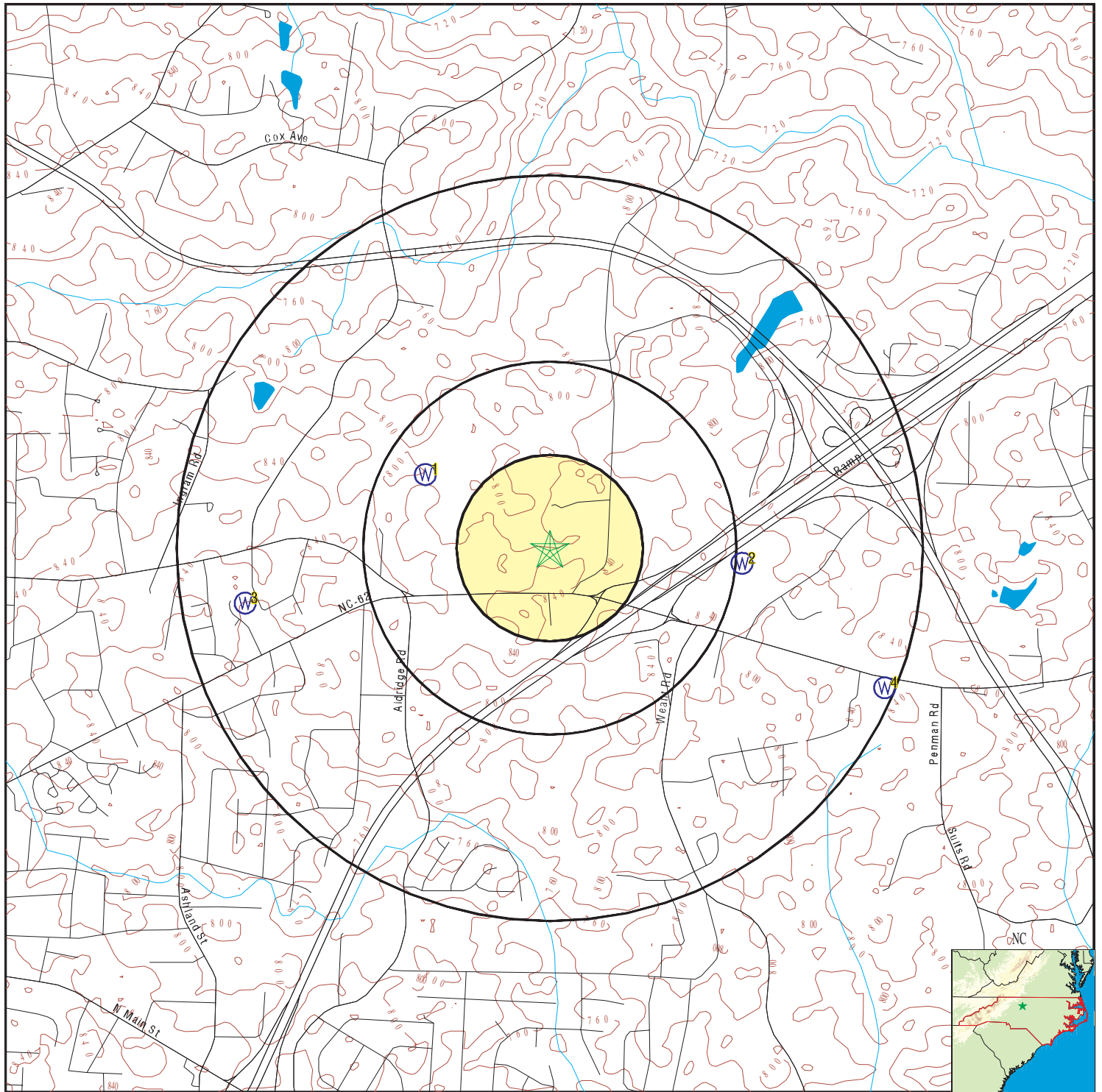
<u>MAP ID</u>	<u>WELL ID</u>	<u>LOCATION FROM TP</u>
No PWS System Found		

Note: PWS System location is not always the same as well location.

STATE DATABASE WELL INFORMATION

<u>MAP ID</u>	<u>WELL ID</u>	<u>LOCATION FROM TP</u>
2	NC2000000006936	1/2 - 1 Mile East
4	NC2000000006908	1/2 - 1 Mile ESE

PHYSICAL SETTING SOURCE MAP - 5370776.2s



SITE NAME: U6018
 ADDRESS: NC 62
 High Point NC 27263
 LAT/LONG: 35.925054 / 79.939647

CLIENT: Kleinfelder Inc.
 CONTACT: Joseph C Hollinger
 INQUIRY #: 5370776.2s
 DATE: July 24, 2018 12:56 pm

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation

Database EDR ID Number

1
WNW
1/4 - 1/2 Mile
Lower

FED USGS USGS40000891846

Org. Identifier:	USGS-NC		
Formal name:	USGS North Carolina Water Science Center		
Monloc Identifier:	USGS-355540079564501		
Monloc name:	GU-340		
Monloc type:	Well		
Monloc desc:	Not Reported		
Huc code:	Not Reported	Drainagearea value:	Not Reported
Drainagearea Units:	Not Reported	Contrib drainagearea:	Not Reported
Contrib drainagearea units:	Not Reported	Latitude:	35.9279143
Longitude:	-79.945593	Sourcemap scale:	Not Reported
Horiz Acc measure:	1	Horiz Acc measure units:	seconds
Horiz Collection method:	Interpolated from map		
Horiz coord refsys:	NAD83	Vert measure val:	Not Reported
Vert measure units:	Not Reported	Vertacc measure val:	Not Reported
Vert accmeasure units:	Not Reported		
Vertcollection method:	Not Reported		
Vert coord refsys:	Not Reported	Countrycode:	US
Aquifername:	Piedmont and Blue Ridge crystalline-rock aquifers		
Formation type:	Felsic Metagneous Rock		
Aquifer type:	Not Reported		
Construction date:	Not Reported	Welldepth:	60
Welldepth units:	ft	Wellholedepth:	Not Reported
Wellholedepth units:	Not Reported		

Ground-water levels, Number of Measurements: 0

2
East
1/2 - 1 Mile
Higher

NC WELLS NC2000000006936

Pwsidentif:	NC0241714
System nam:	PINEGROVE BAPTIST CHURCH
Pws type:	NC
County:	GUILFORD
City:	ARCHDALE
Primary so:	GW
Water type:	GW
Facility n:	WELL #1
Facility a:	W01
Latitude m:	35.924462
Longitude :	-79.930453
Availavili:	A
Well depth:	165
Well dep 1:	FT
Owner name:	PINEGROVE BAPTIST CHURCH
Site id:	NC2000000006936

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation

Database EDR ID Number

3
West
1/2 - 1 Mile
Lower

FED USGS USGS40000891810

Org. Identifier:	USGS-NC		
Formal name:	USGS North Carolina Water Science Center		
Monloc Identifier:	USGS-355522079571601		
Monloc name:	GU-339		
Monloc type:	Well		
Monloc desc:	Not Reported		
Huc code:	Not Reported	Drainagearea value:	Not Reported
Drainagearea Units:	Not Reported	Contrib drainagearea:	Not Reported
Contrib drainagearea units:	Not Reported	Latitude:	35.9229143
Longitude:	-79.9542045	Sourcemap scale:	Not Reported
Horiz Acc measure:	1	Horiz Acc measure units:	seconds
Horiz Collection method:	Interpolated from map		
Horiz coord refs:	NAD83	Vert measure val:	Not Reported
Vert measure units:	Not Reported	Vertacc measure val:	Not Reported
Vert accmeasure units:	Not Reported		
Vertcollection method:	Not Reported		
Vert coord refs:	Not Reported	Countrycode:	US
Aquifername:	Piedmont and Blue Ridge crystalline-rock aquifers		
Formation type:	Felsic Metagneous Rock		
Aquifer type:	Not Reported		
Construction date:	Not Reported	Welldepth:	49
Welldepth units:	ft	Wellholedepth:	Not Reported
Wellholedepth units:	Not Reported		

Ground-water levels, Number of Measurements: 0

4
ESE
1/2 - 1 Mile
Higher

NC WELLS NC2000000006908

Pwsidentif:	NC0241705
System nam:	GRAB & GO
Pws type:	NC
County:	GUILFORD
City:	HIGH POINT
Primary so:	GW
Water type:	GW
Facility n:	WELL #1
Facility a:	W01
Latitude m:	35.919621
Longitude :	-79.923634
Availavili:	A
Well depth:	265
Well dep 1:	FT
Owner name:	BSF HOLDINGS
Site id:	NC2000000006908

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS RADON

AREA RADON INFORMATION

State Database: NC Radon

Radon Test Results

Num Results	Avg pCi/L	Min pCi/L	Max pCi/L
3	1.23	0.9	1.7
1	0.30	0.3	0.3

Federal EPA Radon Zone for GUILFORD County: 3

Note: Zone 1 indoor average level > 4 pCi/L.
: Zone 2 indoor average level \geq 2 pCi/L and \leq 4 pCi/L.
: Zone 3 indoor average level < 2 pCi/L.

Federal Area Radon Information for GUILFORD COUNTY, NC

Number of sites tested: 30

Area	Average Activity	% <4 pCi/L	% 4-20 pCi/L	% >20 pCi/L
Living Area - 1st Floor	0.503 pCi/L	100%	0%	0%
Living Area - 2nd Floor	Not Reported	Not Reported	Not Reported	Not Reported
Basement	1.910 pCi/L	90%	10%	0%

PHYSICAL SETTING SOURCE RECORDS SEARCHED

TOPOGRAPHIC INFORMATION

USGS 7.5' Digital Elevation Model (DEM)

Source: United States Geologic Survey

EDR acquired the USGS 7.5' Digital Elevation Model in 2002 and updated it in 2006. The 7.5 minute DEM corresponds to the USGS 1:24,000- and 1:25,000-scale topographic quadrangle maps. The DEM provides elevation data with consistent elevation units and projection.

Current USGS 7.5 Minute Topographic Map

Source: U.S. Geological Survey

HYDROLOGIC INFORMATION

Flood Zone Data: This data was obtained from the Federal Emergency Management Agency (FEMA). It depicts 100-year and 500-year flood zones as defined by FEMA. It includes the National Flood Hazard Layer (NFHL) which incorporates Flood Insurance Rate Map (FIRM) data and Q3 data from FEMA in areas not covered by NFHL.

Source: FEMA

Telephone: 877-336-2627

Date of Government Version: 2003, 2015

NWI: National Wetlands Inventory. This data, available in select counties across the country, was obtained by EDR in 2002, 2005 and 2010 from the U.S. Fish and Wildlife Service.

State Wetlands Data: Wetland Inventory

Source: US Fish & Wildlife Service

Telephone: 703-358-2171

HYDROGEOLOGIC INFORMATION

AQUIFLOW^R Information System

Source: EDR proprietary database of groundwater flow information

EDR has developed the AQUIFLOW Information System (AIS) to provide data on the general direction of groundwater flow at specific points. EDR has reviewed reports submitted to regulatory authorities at select sites and has extracted the date of the report, hydrogeologically determined groundwater flow direction and depth to water table information.

GEOLOGIC INFORMATION

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. Beikman Map, USGS Digital Data Series DDS - 11 (1994).

STATSGO: State Soil Geographic Database

Source: Department of Agriculture, Natural Resources Conservation Service (NRCS)

The U.S. Department of Agriculture's (USDA) Natural Resources Conservation Service (NRCS) leads the national Conservation Soil Survey (NCSS) and is responsible for collecting, storing, maintaining and distributing soil survey information for privately owned lands in the United States. A soil map in a soil survey is a representation of soil patterns in a landscape. Soil maps for STATSGO are compiled by generalizing more detailed (SSURGO) soil survey maps.

SSURGO: Soil Survey Geographic Database

Source: Department of Agriculture, Natural Resources Conservation Service (NRCS)

Telephone: 800-672-5559

SSURGO is the most detailed level of mapping done by the Natural Resources Conservation Service, mapping scales generally range from 1:12,000 to 1:63,360. Field mapping methods using national standards are used to construct the soil maps in the Soil Survey Geographic (SSURGO) database. SSURGO digitizing duplicates the original soil survey maps. This level of mapping is designed for use by landowners, townships and county natural resource planning and management.

PHYSICAL SETTING SOURCE RECORDS SEARCHED

LOCAL / REGIONAL WATER AGENCY RECORDS

FEDERAL WATER WELLS

PWS: Public Water Systems

Source: EPA/Office of Drinking Water

Telephone: 202-564-3750

Public Water System data from the Federal Reporting Data System. A PWS is any water system which provides water to at least 25 people for at least 60 days annually. PWSs provide water from wells, rivers and other sources.

PWS ENF: Public Water Systems Violation and Enforcement Data

Source: EPA/Office of Drinking Water

Telephone: 202-564-3750

Violation and Enforcement data for Public Water Systems from the Safe Drinking Water Information System (SDWIS) after August 1995. Prior to August 1995, the data came from the Federal Reporting Data System (FRDS).

USGS Water Wells: USGS National Water Inventory System (NWIS)

This database contains descriptive information on sites where the USGS collects or has collected data on surface water and/or groundwater. The groundwater data includes information on wells, springs, and other sources of groundwater.

STATE RECORDS

North Carolina Public Water Supply Wells

Source: Department of Environmental Health

Telephone: 919-715-3243

OTHER STATE DATABASE INFORMATION

NC Natural Areas: Significant Natural Heritage Areas

Source: Center for Geographic Information and Analysis

Telephone: 919-733-2090

A polygon coverage identifying sites (terrestrial or aquatic) that have particular biodiversity significance.

A site's significance may be due to the presence of rare species, rare or high quality natural communities, or other important ecological features.

NC Game Lands: Wildlife Resources Commission Game Lands

Source: Center for Geographic Information and Analysis

Telephone: 919-733-2090

All publicly owned game lands managed by the North Carolina Wildlife Resources Commission and as listed in Hunting and Fishing Maps.

NC Natural Heritage Sites: Natural Heritage Element Occurrence Sites

Source: Center for Geographic Information and Analysis

Telephone: 919-733-2090

A point coverage identifying locations of rare and endangered species, occurrences of exemplary or unique natural ecosystems (terrestrial or aquatic), and special animal habitats (e.g., colonial waterbird nesting sites).

RADON

State Database: NC Radon

Source: Department of Environment & Natural Resources

Telephone: 919-733-4984

Radon Statistical and Non Statistical Data

Area Radon Information

Source: USGS

Telephone: 703-356-4020

The National Radon Database has been developed by the U.S. Environmental Protection Agency (USEPA) and is a compilation of the EPA/State Residential Radon Survey and the National Residential Radon Survey. The study covers the years 1986 - 1992. Where necessary data has been supplemented by information collected at private sources such as universities and research institutions.

PHYSICAL SETTING SOURCE RECORDS SEARCHED

EPA Radon Zones

Source: EPA

Telephone: 703-356-4020

Sections 307 & 309 of IRRA directed EPA to list and identify areas of U.S. with the potential for elevated indoor radon levels.

OTHER

Airport Landing Facilities: Private and public use landing facilities

Source: Federal Aviation Administration, 800-457-6656


Epicenters: World earthquake epicenters, Richter 5 or greater

Source: Department of Commerce, National Oceanic and Atmospheric Administration

Earthquake Fault Lines: The fault lines displayed on EDR's Topographic map are digitized quaternary faultlines, prepared in 1975 by the United State Geological Survey

STREET AND ADDRESS INFORMATION

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U6018

NC 62

High Point, NC 27263

Inquiry Number: 5370776.3

July 24, 2018

Certified Sanborn® Map Report



6 Armstrong Road, 4th floor
Shelton, CT 06484
Toll Free: 800.352.0050
www.edrnet.com

Certified Sanborn® Map Report

07/24/18

Site Name:

U6018
NC 62
High Point, NC 27263
EDR Inquiry # 5370776.3

Client Name:

Kleinfelder Inc.
3500 Gateway Centre Blvd
Morrisville, NC 27560
Contact: Joseph C Hollinger



The Sanborn Library has been searched by EDR and maps covering the target property location as provided by Kleinfelder Inc. were identified for the years listed below. The Sanborn Library is the largest, most complete collection of fire insurance maps. The collection includes maps from Sanborn, Bromley, Perris & Browne, Hopkins, Barlow, and others. Only Environmental Data Resources Inc. (EDR) is authorized to grant rights for commercial reproduction of maps by the Sanborn Library LLC, the copyright holder for the collection. Results can be authenticated by visiting www.edrnet.com/sanborn.

The Sanborn Library is continually enhanced with newly identified map archives. This report accesses all maps in the collection as of the day this report was generated.

Certified Sanborn Results:

Certification # 790B-4E74-A69C

PO # 20191169.001A

Project U6018

UNMAPPED PROPERTY

This report certifies that the complete holdings of the Sanborn Library, LLC collection have been searched based on client supplied target property information, and fire insurance maps covering the target property were not found.



Sanborn® Library search results

Certification #: 790B-4E74-A69C

The Sanborn Library includes more than 1.2 million fire insurance maps from Sanborn, Bromley, Perris & Browne, Hopkins, Barlow and others which track historical property usage in approximately 12,000 American cities and towns. Collections searched:

- ☒ Library of Congress
- ☒ University Publications of America
- ☒ EDR Private Collection

The Sanborn Library LLC Since 1866™

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U6018

NC 62

High Point, NC 27263

Inquiry Number: 5370776.5

July 24, 2018

The EDR Aerial Photo Decade Package



6 Armstrong Road, 4th floor
Shelton, CT 06484
Toll Free: 800.352.0050
www.edrnet.com

EDR Aerial Photo Decade Package

07/24/18

Site Name:

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Morrisville, NC 27560
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Environmental Data Resources, Inc. (EDR) Aerial Photo Decade Package is a screening tool designed to assist environmental professionals in evaluating potential liability on a target property resulting from past activities. EDR's professional researchers provide digitally reproduced historical aerial photographs, and when available, provide one photo per decade.

Search Results:

<u>Year</u>	<u>Scale</u>	<u>Details</u>	<u>Source</u>
2016	1"=1125'	Flight Year: 2016	USDA/NAIP
2012	1"=1125'	Flight Year: 2012	USDA/NAIP
2009	1"=1125'	Flight Year: 2009	USDA/NAIP
2006	1"=1125'	Flight Year: 2006	USDA/NAIP
1993	1"=1125'	Acquisition Date: February 02, 1993	USGS/DOQQ
1983	1"=1125'	Flight Date: April 04, 1983	USGS
1980	1"=1125'	Flight Date: May 10, 1980	USDA
1973	1"=1125'	Flight Date: February 24, 1973	USGS
1970	1"=1125'	Flight Date: May 07, 1970	USDA
1961	1"=1125'	Flight Date: August 17, 1961	USGS
1950	1"=1125'	Flight Date: November 18, 1950	USGS
1948	1"=1125'	Flight Date: May 19, 1948	USGS
1937	1"=1125'	Flight Date: September 19, 1937	USDA

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INQUIRY #: 5370776.5

YEAR: 2016

— = 1125'





INQUIRY #: 5370776.5

YEAR: 2012

— = 1125'





INQUIRY #: 5370776.5

YEAR: 2009

— = 1125'





INQUIRY #: 5370776.5

YEAR: 2006

— = 1125'





INQUIRY #: 5370776.5

YEAR: 1993

— = 1125'





INQUIRY #: 5370776.5

YEAR: 1983

— = 1125'





INQUIRY #: 5370776.5

YEAR: 1980

— = 1125'





INQUIRY #: 5370776.5

YEAR: 1973

— = 1125'





INQUIRY #: 5370776.5

YEAR: 1970

— = 1125'





INQUIRY #: 5370776.5

YEAR: 1961

— = 1125'



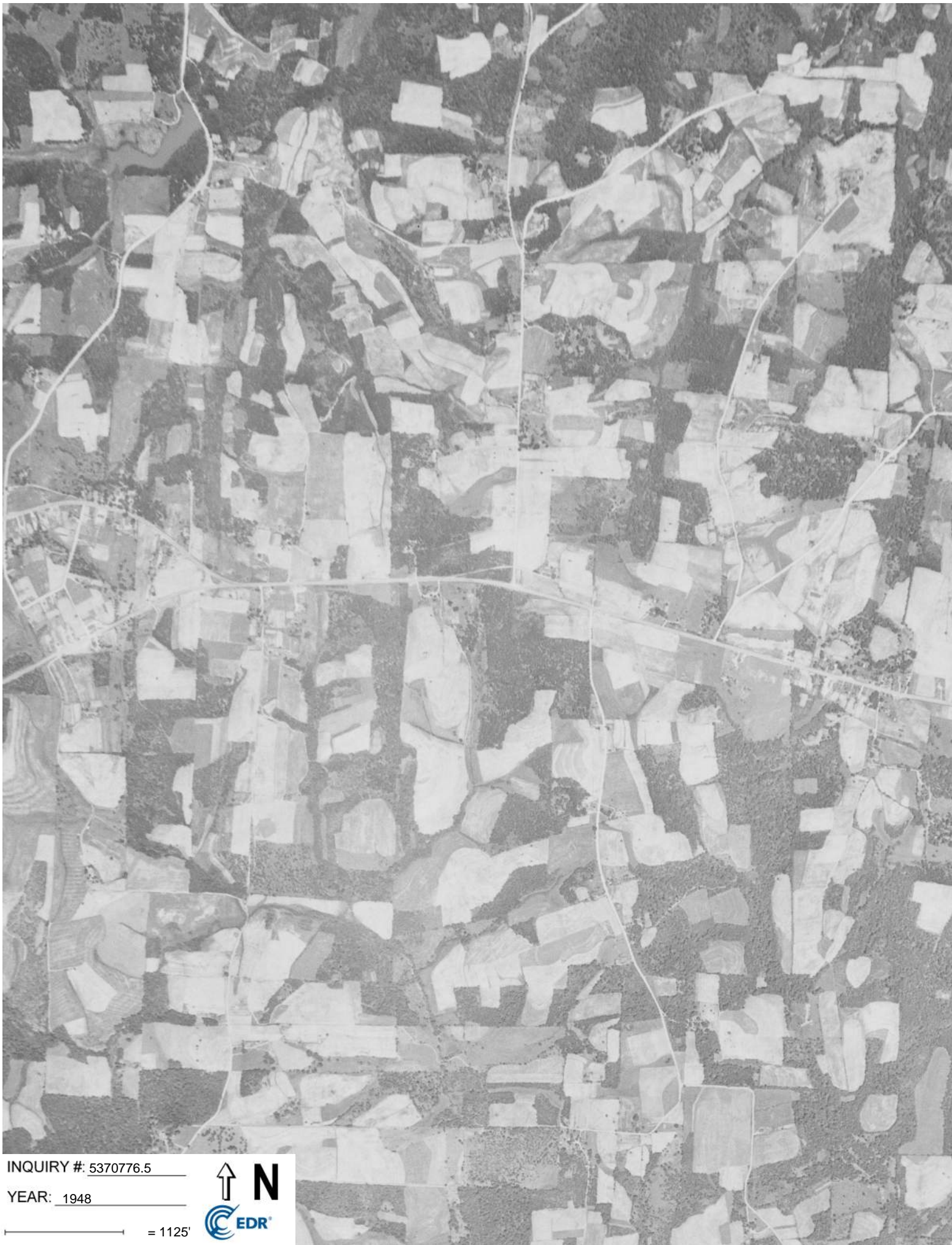


INQUIRY #: 5370776.5

YEAR: 1950

— = 1125'



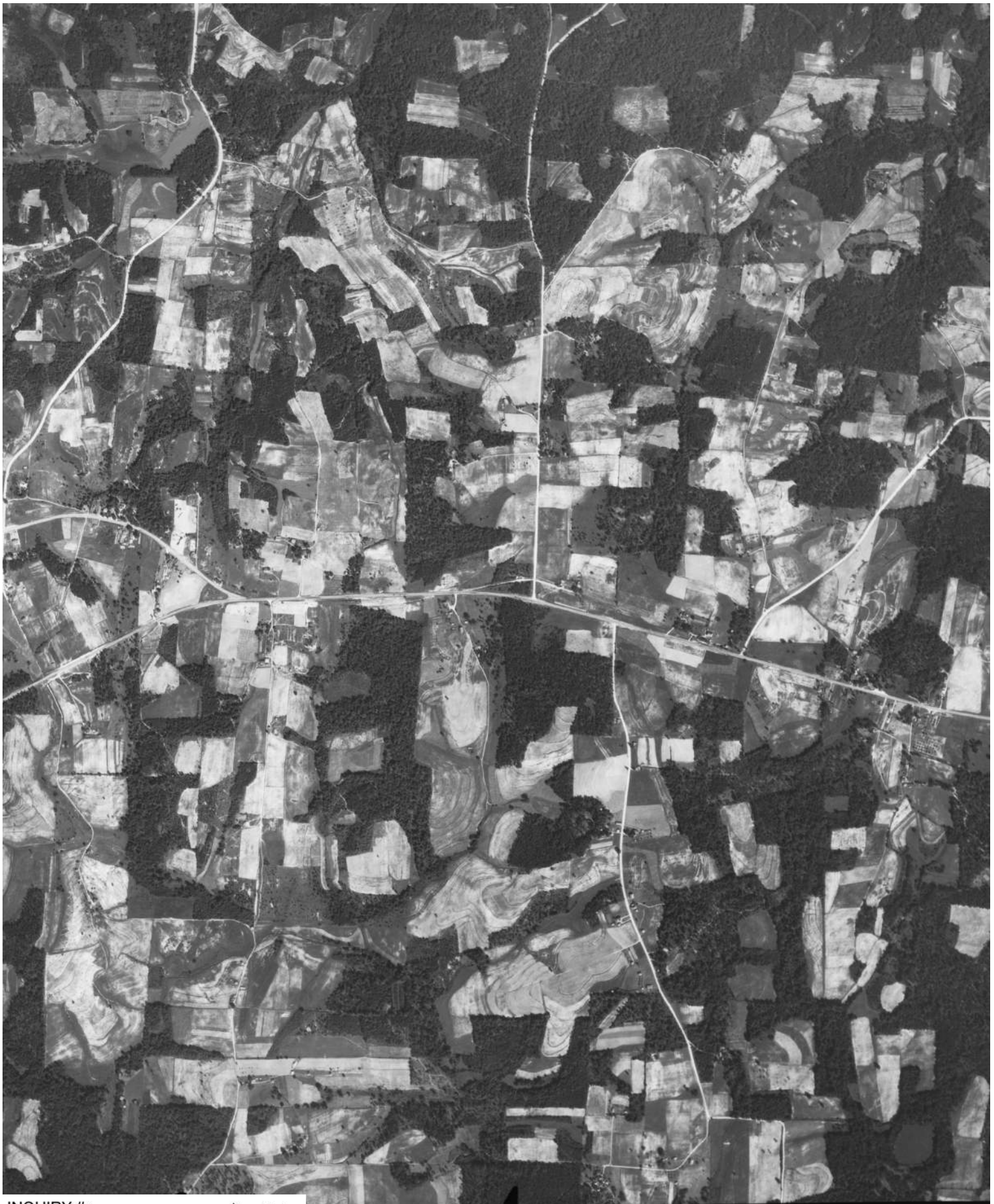


INQUIRY #: 5370776.5

YEAR: 1948

— = 1125'





INQUIRY #: 5370776.5

YEAR: 1937

— = 1125'

