

PHASE I ENVIRONMENTAL SITE ASSESSMENT

FOR

**NEW INDUSTRIAL PARK (SITE 14) PARCEL 2
LAURENS COUNTY, SC**

PREPARED FOR

**LAURENS COUNTY DEVELOPMENT CORPORATION
291 PROFESSIONAL PARK ROAD
CLINTON, SC 29325**

NOVEMBER 2, 2017

T&H J – 26942.0000

Prepared by:



THOMAS & HUTTON

Table of Contents

	Page
1.0 Executive Summary	1
2.0 Introduction	2
2.1 Purpose	
2.2 Scope of Services	
2.3 Significant Assumptions	
2.4 Limitations and Exceptions	
2.4.1 Limitations	
2.4.2 Exceptions	
2.5 Special Terms and Conditions	
2.6 User Reliance	
3.0 Site Description.....	6
3.1 Location and Legal Description	
3.2 Site and Vicinity General Characteristics	
3.2.1 Topography	
3.2.2 Soils	
3.2.3 Geology	
3.2.4 Hydrology	
3.2.5 Hydrogeology	
3.2.6 Floodplain	
3.3 Current Use of the Property	
3.4 Descriptions of Structures, Roads, and Other Improvements	
3.5 Current Uses of Adjoining Properties	
4.0 User Provided Information.....	9
4.1 Review of Titles and Judicial Records	
4.2 Specialized Knowledge or Experience by the User	
4.3 Actual Knowledge of the User	
4.4 Reason for a Significantly Lower Purchase/Lease Price	
4.5 Commonly Known and Reasonable Obtainable Information	
4.6 Historical Documents	
5.0 Records Review	10
5.1 Federal Files	
5.2 State Files	
5.3 Open Dumps	
5.4 Aerial Photograph Review	
5.5 Land Title Records Review	
5.6 Activity Use Limitations	
5.7 Sanborn Map Review	
5.8 Vapor Intrusion	
6.0 Site Reconnaissance.....	14
6.1 Site Reconnaissance	
7.0 Interviews.....	16
7.1 Interview with User's Representative	
7.2 Interview with Owner	
7.3 Interview with SCDHEC Representative	

8.0	Findings	17
9.0	Opinions	18
10.0	Conclusions	19
11.0	Deviations and Data Gaps	20
12.0	Additional Services	21
13.0	References	22
14.0	Signature of Environmental Professional	23
15.0	Qualifications of Environmental Professional	24

Exhibits

Exhibit A - Site Location Map
Exhibit B – Aerial Location Map
Exhibit C – Topographic Map
Exhibit D – Soil Map
Exhibit E – FEMA Map
Exhibit F – NWI Map

Appendices

Appendix A

Exhibits

Appendix B

EDR Records Search Reports

Appendix C

Photographs 1 through 39

Appendix D

Freedom of Information Act Request

Appendix E

Signature of Environmental Professional

Appendix F

Qualifications of Environmental Professional

1.0 EXECUTIVE SUMMARY

Thomas & Hutton was retained by the Laurens County Development Corporation to conduct a Phase I Environmental Site Assessment (ESA) on an approximately 206.67-acre portion of property located off of Friendship Church Road, Gray Court, South Carolina in Laurens County (subject property). The Phase I ESA was completed in accordance with the guidelines set forth by the American Society for Testing and Materials (ASTM) Standard of Practice for Environmental Site Assessment: Phase I Environmental Site Assessment Process (Designation E1527-13).

Section 3.0 - Site Description, Section 4.0 - User Provided Information, Section 5.0 - Record Review, Section 6.0 - Site Reconnaissance, and Section 7.0 - Interviews provided the basis for the findings (Section 8.0), and conclusions (Section 10.0), of this Phase I ESA. Using the practically reviewable reasonably ascertainable information along with visual observations, the findings with respect to recognized environmental conditions are as follows.

On-site concerns and recognized environmental conditions:

- There are some areas of minimal dumping around and inside the structure present onsite, which will need to be removed and disposed of properly, but is not considered a recognized environmental concern based on the visual inspection of the material present.
- Based on available information, Thomas & Hutton did not identify the likely presence of an on-site recognized environmental condition for the subject property.

Off-site concerns and recognized environmental conditions:

- Based on available information, Thomas & Hutton did not identify the likely presence of an off-site recognized environmental condition for the subject property.

2.0 INTRODUCTION

2.1 Purpose

The Phase I ESA was conducted to identify, to the extent feasible, recognized environmental conditions associated with the parcel of property located off Friendship Church Road, Gray Court, South Carolina. The property is comprised of an approximate 206.67-acre portion of property comprised of two (2) parcels as defined as TMS # 156-00-00-011 (195.34 acres) and TMS # 156-00-00-022 (11.33 acres) in Laurens County, South Carolina. For the purpose of this ESA recognized environmental conditions means the presence or likely presence of any hazardous substances or petroleum products on the property under conditions that indicate an existing release, a past release, or a material threat of a release of any hazardous substances or petroleum products into structures on the property, or onto the ground, into the ground water or surface water of the subject property. A historical recognized environmental condition is a past release of any hazardous substances or petroleum products that has occurred in connection with the property and has been addressed to the satisfaction of the applicable regulatory authority or meeting unrestricted use criteria established by a regulatory authority, without subjecting the property to any required controls.

2.2 Scope of Services

The scope of services for the ESA included the following tasks:

1. Review the reasonably ascertainable regulatory agency environmental database reports and confirm the location and distance of problem sites to the property during the walking inspection of the property;
2. Review of selected, available standard historical sources such as topographic maps, available aerial photographs, environmental reports, etc.;
3. Perform a visual reconnaissance of the property and surrounding properties to search for evidence of prior or ongoing sources of contamination;
4. Interview available individuals familiar with past and present property uses activities, and operations; and
5. Preparation of the Phase I ESA report in ASTM E1527-13 format summarizing the assessment observations and findings.

2.3 Significant Assumptions

The opinions included herein are based on practical review of reasonable and ascertainable information obtained during the investigation and our experience on similar projects. If additional information becomes available, we request the opportunity to review the information, reassess the potential concerns, and modify our opinions and conclusions.

Significant assumptions refer to assumptions that can have an impact on conclusions drawn by an environmental professional. The significant assumptions made in conducting this Phase I ESA are as follows:

- Thomas & Hutton performed a walk-through of the open spaces present at the Site for reconnaissance. Based on these methods, Thomas & Hutton did not encounter any conditions to suggest that the unobserved portions of the subject property were significantly different from observed portions of the subject property. Therefore, we assume the parts not inspected by Thomas & Hutton are similar in all aspects to those parts of the subject property that were inspected during the site visit.
- The slope of the groundwater table, without interference from pumping or injections, often approximates land surface topography in the area where the subject property is located. Therefore, groundwater movement is assumed to be in approximately the same direction as the topographic slope.

2.4 Limitations and Exceptions

2.4.1 Limitations

In connection with the tasks performed during this assessment, Thomas & Hutton has exercised reasonable efforts to employ the highest professional standards applicable in the industry today. The findings and conclusions provided in this Phase I ESA Report are based on the results of the site reconnaissance, review of regulatory and historical records, and interviews with persons knowledgeable of the subject property and properties in the surrounding area. Thomas & Hutton cannot guarantee however, that the review of land histories has necessarily yielded complete or usable information, or that our preliminary evaluation of the site conditions revealed all possible sources of contamination. Because of these and other limitations, this study has included the application of judgment to scientific principles. To that extent certain results of this work may be based on subjective interpretations. There can be no assurance that definitive or desired results have been obtained, or that they are supportive of any given course of action. The information provided under this assessment is not to be construed as legal advice.

ASTM E1527-13 defines a "recognized environmental condition (REC)" as "the presence or likely presence of any hazardous substances or petroleum products in, on or at a property: 1) due to release to the environment, 2) under conditions indicative of a release to the environment; or 3) under conditions that pose a material threat of a future release to the environment."

A "de minimis condition" is a condition that generally does not represent a threat to human health or the environment and that generally would not be the subject of an enforcement action if brought to the attention of appropriate governmental agencies. De minimis conditions are not recognized environmental conditions nor controlled recognized environmental conditions.

ASTM E1527-13 defines a "controlled recognized environmental condition (CREC)" as a recognized environmental condition resulting from a past release of hazardous substances or petroleum products that has been addressed to the satisfaction of the applicable regulatory authority (for example, as evidenced by the issuance of a no further action letter or

equivalent, or meeting risk-based criteria established by regulatory authority), with hazardous substances or petroleum products allowed to remain in place subject to the implementation of required controls (for example property use restrictions, activity and use limitations, institutional controls, or engineering controls). A condition identified as a controlled recognized environmental condition does not imply that the Environmental Professional has evaluated or confirmed the adequacy, implementation or continued effectiveness of the required control that has been, or is intended to be, implemented.

ASTM E1527-13 defines a "historic recognized environmental condition (HREC)" as a past release of any hazardous substances or petroleum products that has occurred in connection with the property and has been addressed to the satisfaction of the applicable regulatory authority or meeting unrestricted residential use criteria established by a regulatory authority, without subjecting the property to any required controls (for example property use restrictions, activity and use limitations, institutional controls, or engineering controls). Before calling the past release a historical recognized environmental condition, the Environmental Professional must determine whether the past release is a recognized environmental condition at the time of the Phase I Environmental Site Assessment is conducted (for example, if there has been a change in the regulatory criteria).

ASTM E1527-13 defines a "business environmental risk" as "a risk which can have a material environmental or environmentally-driven impact on the business associated with the current or planned use of a parcel of commercial real estate, not necessarily limited to those environmental issues required to be investigated in this practice".

2.4.2 Exceptions

Exceptions to this Phase I ESA include non-scope items, such as but not totally inclusive of:

- No testing of soil, groundwater, surface water, air, debris, asbestos containing material, lead-based paint, radon, solid waste, hazardous waste, raw material, or product has been performed specifically for the investigation.
- A chain of title search for the property was not conducted as part of this assessment and is considered the responsibility of the user.
- Wetland delineation was not conducted or evaluated as part of this assessment.
- Endangered species survey was not conducted as part of this assessment. Cultural and historic resource studies were not performed as part of this assessment.

2.5 Special Terms and Conditions

No attempts have been made to independently verify information obtained during the investigation. There were no special terms or conditions applied to this Phase I ESA.

2.6 User Reliance

The Phase I ESA is a preliminary assessment that attempts to document the presence of any potential or actual threats to the environment (recognized environmental conditions) and is not a complete characterization of the property's environmental situation. The Phase I ESA should not be relied upon to completely characterize the property's total environmental situation. The Phase I ESA cannot entirely eliminate all uncertainties regarding the potential for contamination of the soil, groundwater, or surface water. The Phase I ESA is performed to reduce the level of uncertainty and recognizes reasonable limits of time and cost. The findings provided in this Phase I ESA Report will assist the user and user's legal counsel in evaluating potential environmental risks that are associated with property transactions.

This report is provided for the exclusive use of the Laurens County Development Corporation and their subsidiaries and/or affiliates. This report is not intended to be used or relied upon in connection with other projects or by other unidentified third parties. The use of this report by any undesignated third party or parties will be at such party's sole risk and Thomas & Hutton disclaims liability for any such third-party use or reliance.

According to ASTM E1527-13, certain components of the Phase I ESA will expire 180 days from the date of that component and will require updating if the date of property acquisition exceeds this time period. The entire report will expire in one year. The following table lists the dates for pertinent components.

Component	Date of Initiation	Shelf Life
Environmental Database Search	October 24, 2017	180 days
Site Reconnaissance	October 26, 2017	180 days
Interviews	October 27, 2017	180 days
Environmental Lien Search	Not performed as a part of this Phase I Assessment	180 days
Declaration by Environmental Professional	November 2, 2017	365 days

3.0 SITE DESCRIPTIONS

3.1 Location and Legal Description

This property is comprised of an approximate 206.67-acre portion of property that is made up of two (2) parcels, TMS # 156-00-00-011 (195.34 acres) and TMS # 156-00-00-022 (11.33 acres), located off Friendship Church Road, Gray Court, South Carolina in Laurens County. The subject property is bounded on all sides by adjacent properties. The location of the subject property is shown on Exhibit A in Appendix A. An aerial of the subject property location is shown on Exhibit B in Appendix A.

3.2 Site and Vicinity General Characteristics

3.2.1 Topography

The subject property is located at an elevation ranging from 686 feet at the northwestern corner of the property to 808 feet above mean sea level (msl) towards the southeastern portion of the subject property. The subject property's general topographic gradient is west. The general topographic setting of the subject property is illustrated on the USGS 7.5 minute series topographic quadrangle map for the 2014 Fountain Inn and Woodruff Quadrangles.

3.2.2 Soils

The U.S. Department of Agriculture Soil Conservation Service (SCS) classification indicates the soil types at the subject property are primarily Cecil, Pacolet, and Madison (Exhibit D in Appendix A). These soil types generally range from well drained to poorly drained, and are classified as Hydrological Group Class B, D, and B/D. Hydrologic Group Class B - moderate infiltration, deep and moderately deep, moderately well and well drained soils with moderately coarse textures. Hydrological Group Class D - Very slow infiltration rates, soils are clayey, have a high water table, or are shallow to an impervious layer. Hydrological Group Class B/D - Drained soils have moderate infiltration; undrained soils have poor infiltration.

3.2.3 Geology

The subject property is geologically located in the Piedmont Physiographic Region of South Carolina. The region is comprised of plateaus, relatively flat, raised areas of land. They are usually horizontal rises of rock, which were raised by forces of Earth. In South Carolina, the Piedmont region comprises one third of the area of SC and is typically hilly country containing many monadnocks. A monadnock is an isolated hill of bedrock rising conspicuously above the general level of the surrounding area. The Piedmont is underlain by metamorphic rocks of various origins that were folded during the Paleozoic as the North American and African plates converged.

3.2.4 Hydrology

The property is generally well drained. Storm water runoff from the subject property travels as sheet flow towards the low-lying areas on the northern and western sides of the subject property. No storm water infrastructure is present at the site.

3.2.5 Hydrogeology

Typically, groundwater flow in the surficial aquifer beneath a site will follow a subdued replica of the surface topography, thus suggesting a probable flow towards the west (Exhibit C in Appendix A).

3.2.6 Floodplain

The subject property is located on Panel 45059C0075C of the Flood Insurance Rate Map for Laurens County, South Carolina. The map was prepared by the Federal Emergency Management Agency (FEMA). The map indicates that the subject property is located in Flood Zone X. Flood Zone X indicates that the area has minimal flood hazard and is outside the Special Flood Hazard Area (SFHA) and at a higher elevation than that of the 0.2-percent-annual-chance-flood.

3.3 Current Use of the Property

The subject property is currently mostly used for agricultural purposes. There are small portions of the site, one located on the southern side of the site and the other at the northwestern corner of the property, that are wooded. Refer to Section 6 - Site Reconnaissance and Section 7 - Interviews for additional detail concerning property uses and operations.

3.4 Description of Structures, Roads, and Other Improvements

The subject property can be accessed by an access road off of Friendship Church Road. The site is gated and locked. There is one (1) structure located onsite, a small house/barn that appears to have been recently constructed. Agricultural equipment is stored at this structure. There is also a well located onsite. According to the property owner, the well has not yet been activated. There is some dumping onsite of two (2) partially deconstructed cars and a boat. There is also a small pond located onsite.

Utilities available at the subject property include water, sewer, electricity, and natural gas. Water and sewer is provided by Laurens County Water & Sewer Commission. Electricity is provided by the Laurens Electric Co-Op and natural gas is provided by Clinton-Newberry Natural Gas and the Laurens Commission of Public Works. Refer to Exhibits B in Appendix A for a site aerial, Section 6 - Site Reconnaissance, and Section 7 - Interviews for additional detail concerning the subject property.

3.5 Current Uses of Adjoining Properties

The subject property is situated in a mixed-use area including agricultural, silvicultural, residential, and industrial properties. Adjacent to the north, south, and west is silvicultural, while adjacent property to the east is mostly agricultural. Adjacent to the subject property to the southeast is an industrial facility. Area property is mostly silvicultural and residential with some small pockets of agricultural lands.

4.0 USER PROVIDED INFORMATION

The purpose of this section is to report the tasks performed by the user Mr. Jonathan Coleman (Laurens County Development Corporation) and communicated to the environmental professional, which includes review of titles and judicial records, specialized knowledge or experience by the user, actual knowledge of the user, reason for a significantly lower purchase/lease price, and commonly known and reasonable obtainable information. Mr. Jonathan Coleman, Laurens County Development Corporation, responded to the requirements of this section. Refer to Section 7 - Interviews for additional details concerning Mr. Jonathan Coleman's interview.

4.1 Review of Titles and Judicial Records

Recorded land title records for recording or filing environmental liens or activity and use limitations have been reviewed by the user to identify the existence of such environmental liens or activity and use limitations and have found no environmental liens or activity use limitations that are material to recognized environmental conditions in connection with the property.

4.2 Specialized Knowledge or Experience by the User

The user has communicated all specialized knowledge or experience that is material to recognized environmental conditions in connection with the property to the environmental professional. Mr. Jonathan Coleman was not aware of any recognized environmental conditions in connection with the property.

4.3 Actual Knowledge of the User

The user has no actual knowledge of any environmental liens or activity use limitations (AULs) encumbering the property or in connection with the property.

4.4 Reason for a Significantly Lower Purchase/Lease Price

The user has compared the purchase/lease price of the subject property to the fair market value of the property and believes that the purchase/lease price has not been influenced by any contamination by hazardous substances or petroleum products.

4.5 Commonly Known and Reasonable Obtainable Information

The user has communicated commonly known or reasonably obtainable information within the local community about the property that is material to recognized environmental conditions in connection with the property to the environmental professional.

4.6 Historical Documents

No historical documents were provided by the user.

5.0 RECORDS REVIEW

A search was performed on federal and state files for environmental problem sites within ASTM standard E 1527-13 search radius. For this search records were obtained from Environmental Data Resources, Inc. The complete Environmental Data Resources, Inc. reports are provided in Appendix B. The database search resulted in no Federal listings or State listings at the subject property or within the designated search radius of the subject property.

Three (3) orphan sites were returned with the database search. Two of these sites (Woodside Mills Furman Plant and the Houston Property Site) were located and determined to be outside the respective search radii. The site location of the third orphan site (Vissage Auto Parts Co.) could not be determined but upon examination of the site's history it was determined that it would not be a REC for the site. This site is discussed below.

5.1 Federal Files

The federal environmental data is a compilation of data that identifies environmental problem sites and activities from the records of the United States Environmental Protection Agency (USEPA). The data contained here is the result of a search of an Environmental Data System including but not limited to the following USEPA records:

1. The National Priorities (Superfund) List (NPL) is USEPA's database of uncontrolled or abandoned hazardous waste sites identified for priority remedial actions under the Superfund program. To be included on the NPL, a site must either meet or surpass a predetermined hazard ranking score, be chosen as a state's top-priority site, or meet all three of the following criteria: (1) US Department of Health and Human Services issues a health advisory recommending that people be removed from the site to avoid exposure; (2) USEPA determines that the site represents a significant threat; and (3) USEPA determines that remedial action is more cost effective than removal action.
2. The Comprehensive Environmental Response, Compensation and Liability Index System (CERCLIS) is the EPA's compilation of the sites for which USEPA has or is investigating a release of hazardous substances. These sites may be subject to review in accordance with the terms and conditions of the Comprehensive Environmental Response, Compensation and Liability Act of 1980 (Superfund Act).
3. The Resource Conservation and Recovery Information System (RCRIS) contains information regarding: (1) Large Quantity Generators (LQG); (2) Treatment, Storage, and Disposal (TSD) facilities; and, (3) Small Quantity Generators (SQG), and Transporters, which are required to register their hazardous waste activity under the Resource Conservation and Recovery Act (RCRA). The RCRA Program identifies and tracks hazardous waste from the point of generation to the point of disposal.
4. The Emergency Response Notification System (ERNS) is a national computer database system that is used to store information on the release of hazardous substances into the environment. The ERNS reporting system contains preliminary information on specific releases, including the spill location, the substance released, and the responsible party.

5. No Further Remedial Action Planned Report (NFRAP) contains information pertaining to Sites that have been removed from the EPA's CERCLIS Database.

A search of the federal databases indicated that no Federal sites were located within the search radius. No NPL, RCRIS-LQG, RCRIS-TSD, RCRA CORRACTS, NFRAP, or ERNS sites exist within the search radius. The respective search radii were as follows: NPL - 1.0 mile; RCRIS-SG - 0.25 mile; RCRIS-TSD - 0.5 mile; RCRIS-LG - 0.25 mile; CERCLIS - 0.5 mile; NFRAP - 0.5 mile; RCRA-CORRACTS - 1 mile; SEMS - 1 mile; and ERNS - property only.

5.2 State and Other Files

The state environmental data is a compilation of data that identifies environmental problem sites and activities from the records of the South Carolina Department of Health and Environmental Control (SCDHEC). The data contained here is the result of a search of SCDHEC records, including but not limited to:

1. The Underground Storage Tank (UST) list is a comprehensive listing of all registered underground storage tanks located in the state of South Carolina.
2. The Leaking Underground Storage Tank (LUST) list is a comprehensive listing if all reported leaking underground storage tanks located in the state of South Carolina.
3. The Hazardous Waste Sites (HWS) list is a summary listing pertaining to those facilities located in the state of South Carolina that have been deemed hazardous to the public health and welfare by SCDHEC.
4. The South Carolina Permitted Landfills (SWF) list is a summary of information pertaining to all active and inactive licensed solid waste facilities within the state of South Carolina.
5. The South Carolina Environmental Facility Information System (SCEFIS) integrates information on environmental facilities, permitting, violations, enforcement actions, and compliance activities to support regulatory requirements, and target environmental quality improvements for the water, air, solid waste, and house waste program areas.
6. The Brownfields Public Record (BROWNFIELDS) lists properties where response actions under the South Carolina Hazardous Site Reuse and Redevelopment Act and planned, ongoing or completed.
7. The South Carolina Groundwater Contamination Inventory (SCGWCI) is any site that has groundwater contamination over a federal MCL.
8. The South Carolina Drycleaning Facility Restoration Trust Fund is used to access, prioritize and cleanup contaminated registered drycleaning sites.
9. The SCDHEC Bureau of Land and Waste Management established the RCR registry to help monitor and maintain sites that have conditional remedies. A Conditional Remedy is an environmental remedy that includes certain qualifications. These qualifications are divided into two major categories: Remedies requiring Land Use Controls and Conditional No Further Actions.
10. The VCP lists sites from SCDHEC that are Voluntary Cleanup Sites.

No properties were identified within the specified radii in in EDR's search of the UST, LUST, HWS, SCGWCI, INDIAN LUST, INDIAN UST, FEMA UST, INDIAN VCP, US

BRONWIELDS, DEBRIS REGION 9, ODI, INDIAN ODI, US CDL, SC CDL, US HIST CDL, LIENS 2, HMIRS, SC SPILLS, SC SPILLS 80, SC SPILLS 90, DOT OPS, DOD, AND CONSENT. One (1) orphan site was identified and its location could not be specified. This site is discussed below.

Sites identified in EDR's review of other databases are summarized below.

Database	Radius Search	Sites Found
Leaking Underground Storage Tanks (LUST) The LUST database is an inventory of reported leaking underground storage tank incidents. This information comes from SC DHEC.	0.5 mile	1

The listed LUST site that was identified is:

- Vissage Auto Parts Co., Friendship Church Road, is the orphan site whose position could not be located. This site was the location of one tank that has since been abandoned. The tank was a steel 500-gallon gasoline tank was removed from the site in 1992. One release was reported for the site on October 18, 1995. Cleanup was initiated on June October 7, 1996 and was completed on March 19, 1999. A No Further Action(NFA) status was declared for the site on October 18, 1999. Given the tank's removal and the subsequent cleanup of the site, this site is not considered to be a REC for the subject property.

5.3 Open Dumps

The Open Dump List is an inventory of facilities that do not comply with the EPA's Criteria for Classification of Solid Waste Disposal Facilities and Practices. The subject property is not on the list of open dumps. No other open dumps were observed within a 0.5-mile radius of the property.

5.4 Aerial Photography Review

A review of aerial photographs was conducted on October 31, 2017. The 1938, 1951, 1961, 1964, 1976, 1978, 1981, 1989, 1994, 1999, 2005, 2006, 2009, and 2011 Environmental Data Resources, Inc. aerial photographs show the subject property. A thirteen-year gap in aerial photography is noted between the years of 1938 and 1951, while a ten-year gap is noted between 1951 and 1961. A twelve-year gap is noted between the years of 1964 and 1976 and an eight-year gap in aerial photography is noted between the years of 1981 and 1989. A six-year gap is noted between 1999 and 2005. The quality of evaluation of aerial photography is controlled by the photograph's scale and quality.

The 1938, 1951, and 1961 aerals show the subject property to be mostly silvicultural with portions near the southeastern and northwestern property boundary left wooded. Properties surrounding the subject property are also mostly agricultural. Friendship Baptist Road, located in the area property to the east of the subject property, has been constructed.

In the 1964, 1976, and 1978 aerials, the subject property remains mostly agricultural. Towards the center of the subject property, it appears that two structures have been constructed. Surrounding property to the south and west is silvicultural and surrounding properties to the north and east are agricultural.

The 1981 aerials show little change to the subject property or surrounding properties.

The quality of the 1989 and 1994 aerials is poor and it is difficult to identify any changes to the subject property or surrounding properties.

In the 1999, 2005, and 2006 aerials, the subject property is mostly cleared for agriculture. The small pond onsite has been constructed and the access roads to the site are visible. There is little change to the properties surrounding the subject property.

In the 2009 and 2011 aerials, the subject property remains mostly agricultural. Property to the south and west of the subject property is silvicultural, while property to the east and north is agricultural and residential.

5.5 Land Title Records Review

The land chain of title search and final review was not undertaken as part of this assessment.

5.6 Activity Use Limitations

A review of Federal and State records regarding NPL liens or CERCLA liens was not conducted as part of this Phase I ESA.

5.7 Sanborn Map Review

The complete Environmental Data Resources, Inc. Certified Sanborn Map collection was searched for fire insurance maps covering the subject property. No Sanborn Maps were identified for the subject property.

5.8 Vapor Intrusion

Based on review of the readily available federal and state files and visual observation of adjoining properties it appears an offsite vapor encroachment condition associated with the subject property is unlikely to exist.

Visual reconnaissance of the subject property and interviews revealed no on-site historical activities that may present a possible vapor intrusion pathway. Additionally, the EDR VEC App was utilized to evaluate vapor intrusion potential for the subject site. The EDR VEC App provides integrated data, efficient analytical tools, and professional reports to assist in compliance with the requirements of ASTM E2600-10, "Standard Guide for Vapor Encroachment Screening on Property Involved in Real Estate Transactions." The EDR VEC App did not identify any sources that could potentially be considered a source for vapor intrusion for the subject property.

6.0 SITE RECONNAISSANCE

Thomas & Hutton personnel conducted a visual reconnaissance of the subject property and surrounding areas on October 26, 2017. The purpose of the reconnaissance was to detect evidence of prior or ongoing activities that may result in a recognized environmental condition. Appendix C contains photographs that provide representative views of the subject property and surrounding area obtained during the subject property visit. The visual reconnaissance consisted of a drive of the roads within 1 mile of the subject property and a walk-through of the subject property.

6.1 Site Reconnaissance

Following are the observations made during the reconnaissance of the subject property and the surrounding area:

Subject Property

- The subject property consists of two (2) parcels of property. For the most part, the subject property is agricultural (Photographs 29, 30, 31, 34, 35, 37, and 39) with some portions on the northern and southern borders left wooded (Photographs 32 and 38).
- The subject property can be accessed by a dirt road off of Friendship Church Road. There is a locked gate near where this access road meets Friendship Church Road and a second, unlocked gate where the access road ends at the subject property's boundary (Photographs 2, 5, and 6).
- There is a well onsite that appears to have been recently constructed but, according to the property owner, has not been activated (Photograph 7).
- A small structure is present onsite that also appears to have been recently constructed. Miscellaneous construction materials are located inside and around the structure. These materials include lumber, paints, tools, and other building materials (Photographs 8, 9, 10, 12, and 16). Inside the structure there is some miscellaneous storage, including furniture, an all-terrain vehicle and a compressed air tank (Photographs 17 through 23).
- At the back of the structure is a concrete slab where agricultural equipment is stored. This includes two (2) tractors, a storage container, and other miscellaneous equipment (Photographs 11, 13, 14, and 15). There was no evidence of staining or stressed vegetation around this equipment.
- In the center of one of the agricultural fields onsite, two (2) partially deconstructed cars were parked (Photographs 25 through 28). There was no evidence of staining or stressed vegetation around this area.
- In the wooded area near the western property boundary, a boat was parked (Photograph 33). There was no evidence of staining or stressed vegetation around this area.

- Near the center of the property, towards the eastern property boundary, there is a small pond (Photograph 36).
- There was no visual evidence (e.g., vent lines, fill connections) of any underground storage tanks located at the subject property.
- There was no visual evidence of spills, leaks, staining, stressed vegetation, or odors on the subject property.

Adjoining Property

- Adjacent property to the north, south, and west is silvicultural.
- Adjacent property to the southeast is an industrial facility (Photograph 1).
- Adjacent property to the east is agricultural.
- There is no visual evidence of any activities that would have an environmental impact on the subject property.

Area Property

- Area property is a mix of agricultural and silvicultural lands. There is some residential development on area property to the northwest and east of the subject property.
- There is no visual evidence of any activities that would have an environmental impact on the subject property.

7.0 INTERVIEWS

7.1 Interview with User's Representative

A written interview was conducted with the user's representative, Mr. Jonathan Coleman, Laurens County Development Corporation, on October 27, 2017. Mr. Coleman addressed all of the questions relating to the property use and possible environmental conditions in connection with the subject property in good faith and to the extent of his knowledge. Mr. Coleman was aware that the previous land use of the property was agricultural and that the site is currently being used as pasture land. Mr. Coleman did not have any knowledge or belief that hazardous waste had been disposed on the subject property. Mr. Coleman did not have any direct knowledge of spills or chemical releases occurring on the subject property. Mr. Coleman was not aware of any environmental citations or enforcement actions related to the subject property. Mr. Coleman was not aware of any pending, threatened, or past litigation or administrative proceedings relevant to hazardous substances or petroleum products in, on, or from the subject property. Mr. Coleman was not aware of any activity and land use limitations that are placed on the subject property or that have been filed or recorded.

7.2 Interview with Owner

A written interview was conducted with the current property owner's representative, Rusty Hamrick, on October 27, 2017. Mr. Hamrick addressed all of the questions relating to the property use and possible environmental conditions in connection with the subject property in good faith and to the extent of his knowledge. Mr. Hamrick stated that he was aware that the Phase I ESA was being completed to support the possible lease/sale of the subject property. Mr. Hamrick stated that presently the property is being used to grow and bale grasses for cattle food. He also stated that previously the site was used as a dairy and cattle farm. Mr. Hamrick claimed there are no underground storage tanks on the property that he was aware of. He did not know of any environmental concerns on or near the property. He also stated that he was not aware of any hazardous waste generation on-site or disposal of hazardous waste on-site. Mr. Hamrick stated he was not aware of any pending, threatened, or past litigation, administrative proceedings, or notices of violations from any governmental entity relevant to hazardous substances or petroleum products in, on, or from the property. He was also not aware of any environmental liens or activity use limitations on the property. Mr. Hamrick stated there was no value reduction of the property for environmental reasons.

7.3 Correspondence with SCDHEC Representative

Ms. Karla York with the SCDHEC Freedom of Information Office was contacted on October 27, 2017 concerning the subject property. No files related to the subject property could be found.

8.0 FINDINGS

Based on Thomas & Hutton's visual reconnaissance of the subject property, review of land use history, review of regulatory files, and conduct of interviews the findings of the Phase I ESA are as follows:

On-Site Recognized Environmental Conditions

There are some areas of minimal dumping, specifically of construction materials, which will need to be removed and disposed of properly, but is not considered a recognized environmental concern based on the visual inspection of the material present. There are no on-site recognized environmental conditions identified for the subject property that may be anticipated to have a potential environmental impact on the subject property.

Off-Site Recognized Environmental Conditions

There are no off-site recognized environmental conditions identified for the subject property that may be anticipated to have a potential environmental impact on the subject property.

9.0 OPINIONS

The historical use of the property is primarily agricultural and silvicultural. The subject property can be accessed by a locked gate off of Friendship Church Road. There is one (1) structure present onsite. Given the unknown age of the structure, it is possible that hazardous building materials may be present (e.g., asbestos in roofing materials and lead based paint), which may represent a potential business risk related to the subject property. In the case of demolition, the structures should be evaluated for asbestos containing building materials and lead based paint prior to demolition. All demolition related materials should be handled, stored, and removed in a manner that will not impact the subject property. All demolition related waste streams should be handled, recycle, and/or disposed in accordance with applicable federal, state, and local regulations and laws. However, this structure is not anticipated to have an environmental impact on the property.

There is some dumping on the subject property of materials related to the construction activities onsite. This material will need to be disposed of properly. Based on visual observation of the material present, it is the environmental professional's opinion that it is not considered a recognized environmental condition. The Phase I ESA investigation did not identify any recognized environmental conditions on the subject property that may be anticipated to have a potential environmental impact on the subject property.

10.0 CONCLUSIONS

We have performed a Phase I Environmental Site Assessment in conformance with the scope of limitations of ASTM Standard of practice E 1527-13 for the property located off of Friendship Church Road, Gray Court, South Carolina in Laurens County consisting of TMS # 156-00-00-011 (195.34 acres) and TMS # 156-00-00-022 (11.33 acres). Any exceptions to, or deletions from, this practice are described in Section 2.0 and Section 11.0 of this report. This assessment did not reveal any evidence of any on-site or off-site recognized environmental conditions.

11.0 DEVIATIONS AND DATA GAPS

During the review of standard historical property use information sources data failure occurred. Data failure is considered to occur when all the standard historical use information sources that are reasonably ascertainable and likely to be useful have been reviewed and yet the data objectives have not been met (i.e., all obvious uses of the property shall be identified at five year intervals from the present, back to the property's first developed use or 1940, whichever is earlier). The historical source review did not identify property use information at five year intervals back to 1940. However, given the available property use data, the data failure does not constitute a significant data gap and is not considered to have inhibited the overall evaluation of the subject property for recognized environmental conditions.

12.0 ADDITIONAL SERVICES

No additional services beyond the identified scope of work (Section 2.2) have been provided.

13.0 REFERENCES

All references to historical use sources, environmental record sources, and all other documentation are contained with the text of the relevant Sections of this report.

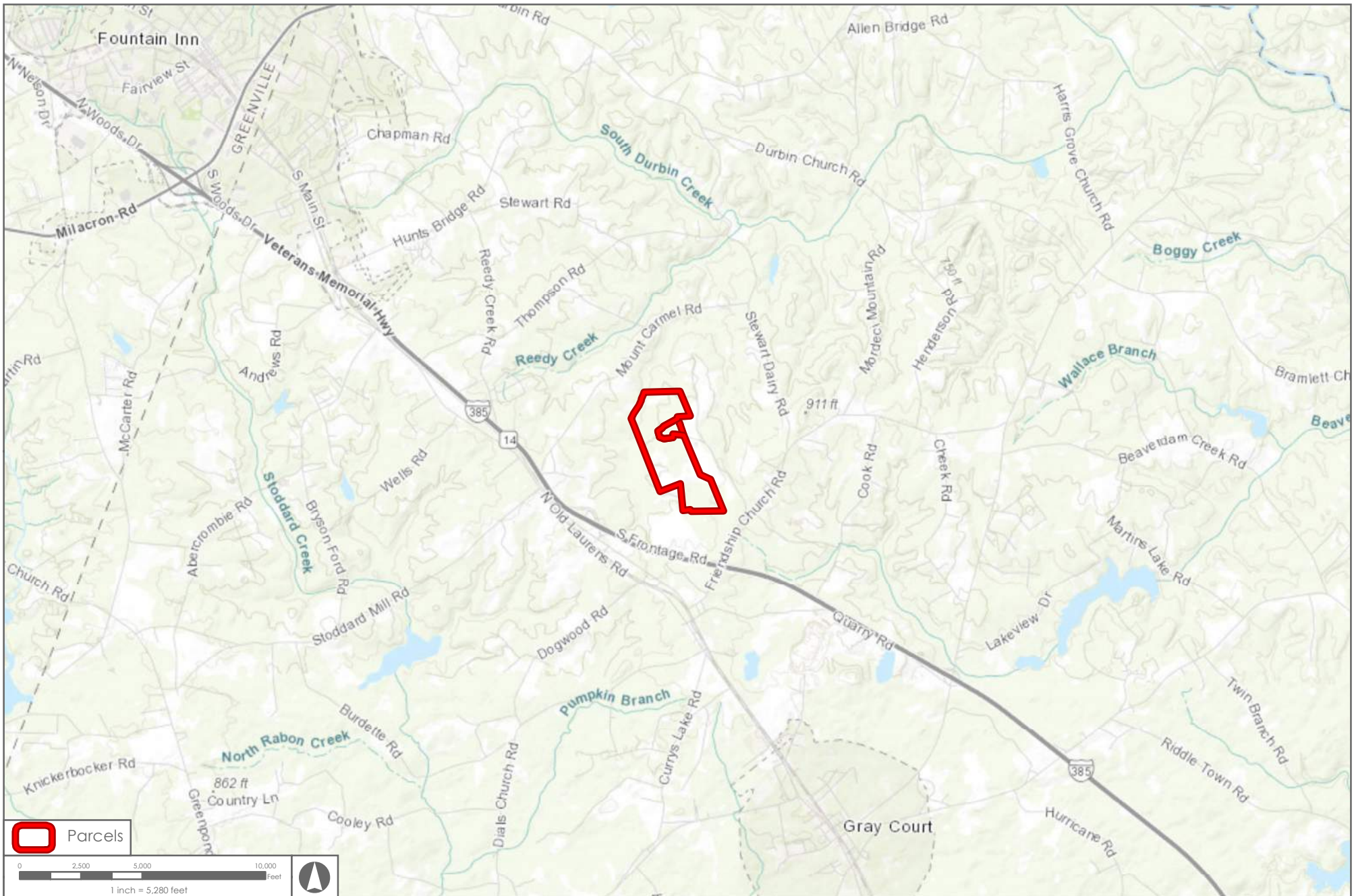
14.0 SIGNATURE OF ENVIRONMENTAL PROFESSIONAL

The signature of the Environmental Professional is provided in Appendix E.

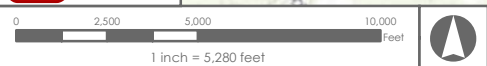
15.0 QUALIFICATIONS OF ENVIRONMENTAL PROFESSIONAL

The qualifications of the Environmental Professional are summarized in Appendix F.

Appendix A Exhibits



 Parcels



Job Num: 26942.0000 Produced: 10/30/2017 Produced By: MAD Modified: 10/30/2017 Modified By:	
File: Z:\26942\26942.0000\GIS\Map\SiteLocation_Site2_2017_Left.mxd Vertical Datum:	
Thomas & Hutton compiled the map information from the following sources:	
Data	Date
Base map	ESRI 2015

DISCLAIMER
Where Thomas & Hutton is cited as the data source, the firm has created or verified the data. For all other sources cited, Thomas & Hutton used the data "as is" and made no independent investigation of the data, and makes no representation as to the accuracy or completeness of the data. Please see each source for available documentation of its respective datasets.
Copyright © 2015 by Thomas & Hutton
No part of this document may be reproduced without written permission from an officer of Thomas & Hutton.

Laurens Site 14 Parcel 2

Laurens County, South Carolina

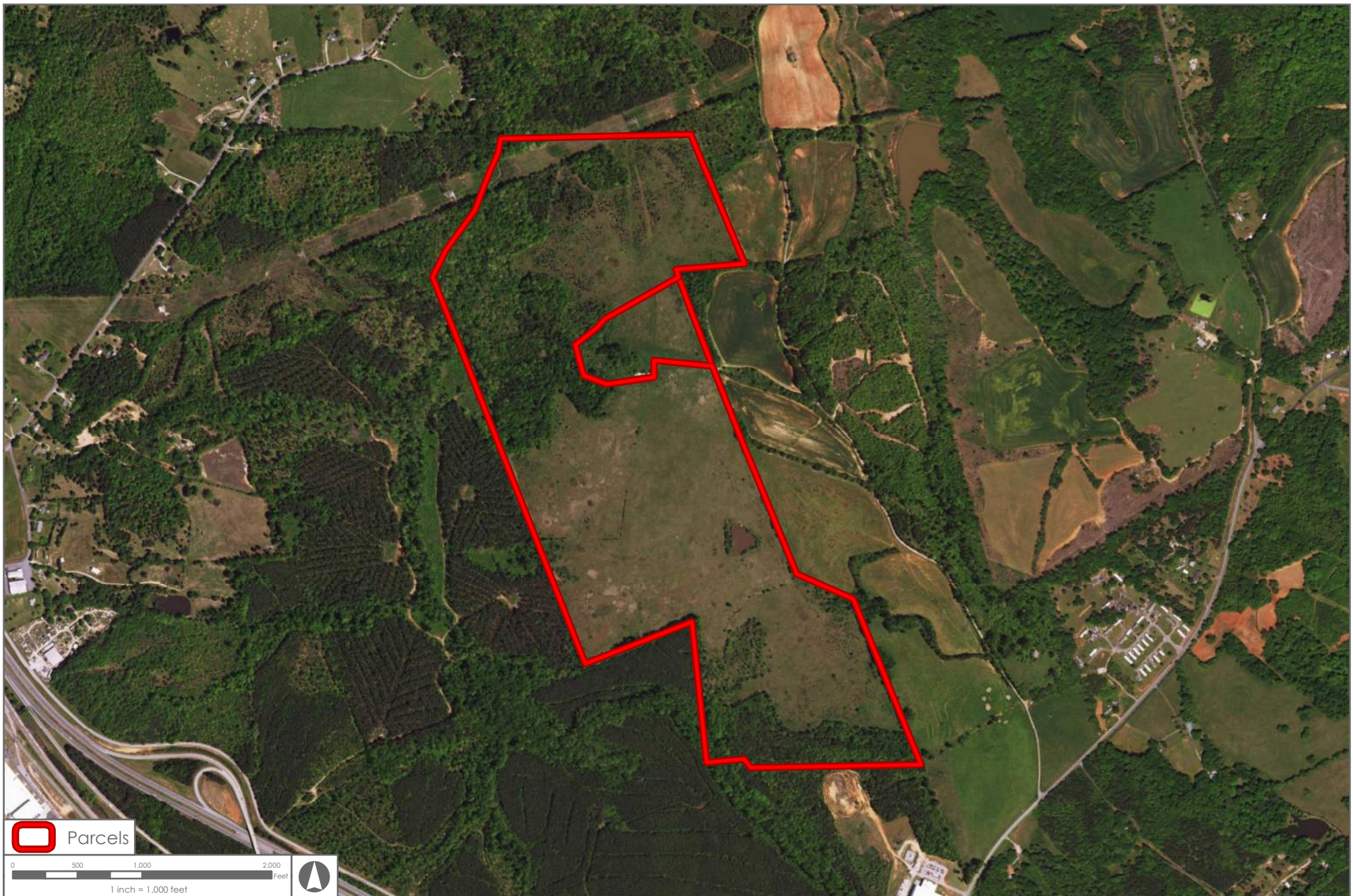
Site Location



1501 MAIN STREET • SUITE 760
COLUMBIA, SC 29201 • 803.451.6789
WWW.THOMASANDHUTTON.COM

GEOGRAPHIC INFORMATION SYSTEMS

COPYRIGHT © 2017 THOMAS & HUTTON



 Parcels



Job Num: 26942.0000	Produced: 10/30/2017	Produced By: MAD	Modified: 10/30/2017	Modified By:
File: Z:\26942\26942.0000\GIS\Mxd\Aerial_Site2_2017_LetterL.mxd				Vertical Datum:
Thomas & Hutton compiled the map information from the following sources:				
Data	Source		Date	
Base map	ESRI		2015	

DISCLAIMER
Where Thomas & Hutton is cited as the data source, the firm has created or verified the data. For all other sources cited, Thomas & Hutton used the data "as is." It has made no independent investigation of the data and makes no representation as to the accuracy or completeness of the data. Please see each source for available documentation of its respective datasets.
Copyright © 2015 by Thomas & Hutton
No part of this document may be reproduced without written permission from an officer of Thomas & Hutton.

Laurens Site 14 Parcel 2

Laurens County, South Carolina

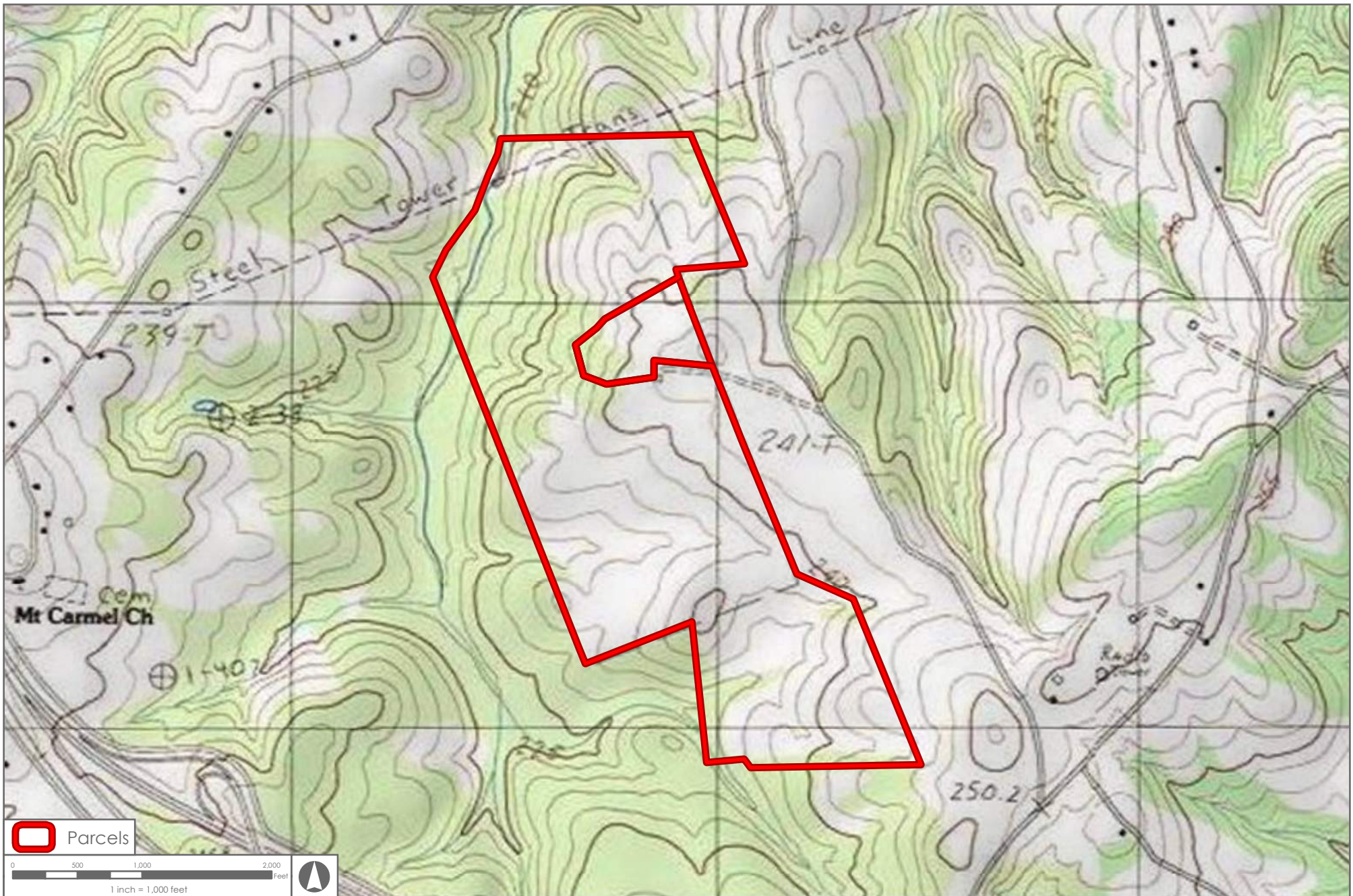
Aerial Location



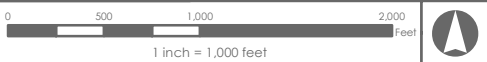
1501 MAIN STREET • SUITE 760
COLUMBIA, SC 29201 • 803.451.6789
WWW.THOMASANDHUTTON.COM

GEOGRAPHIC INFORMATION SYSTEMS

COPYRIGHT © 2017 THOMAS & HUTTON



 Parcels



Job Num: 26942.0000	Produced: 10/30/2017	Produced By: MAD	Modified: 10/30/2017	Modified By:
File: Z:\26942\26942.0000\GIS\Mxd\Topo_Site2_2017_1.mxd				Vertical Datum:
Thomas & Hutton compiled the map information from the following sources:				
Data	Source		Date	
Base map	ESRI		2015	

DISCLAIMER
Where Thomas & Hutton is cited as the data source, the firm has created or verified the data. For all other sources cited, Thomas & Hutton used the data "as is." It has made no independent investigation of the data and makes no representation as to the accuracy or completeness of the data. Please see each source for available documentation of its respective datasets.
Copyright © 2015 by Thomas & Hutton
No part of this document may be reproduced without written permission from an officer of Thomas & Hutton.

Laurens Site 14 Parcel 2

Laurens County, South Carolina

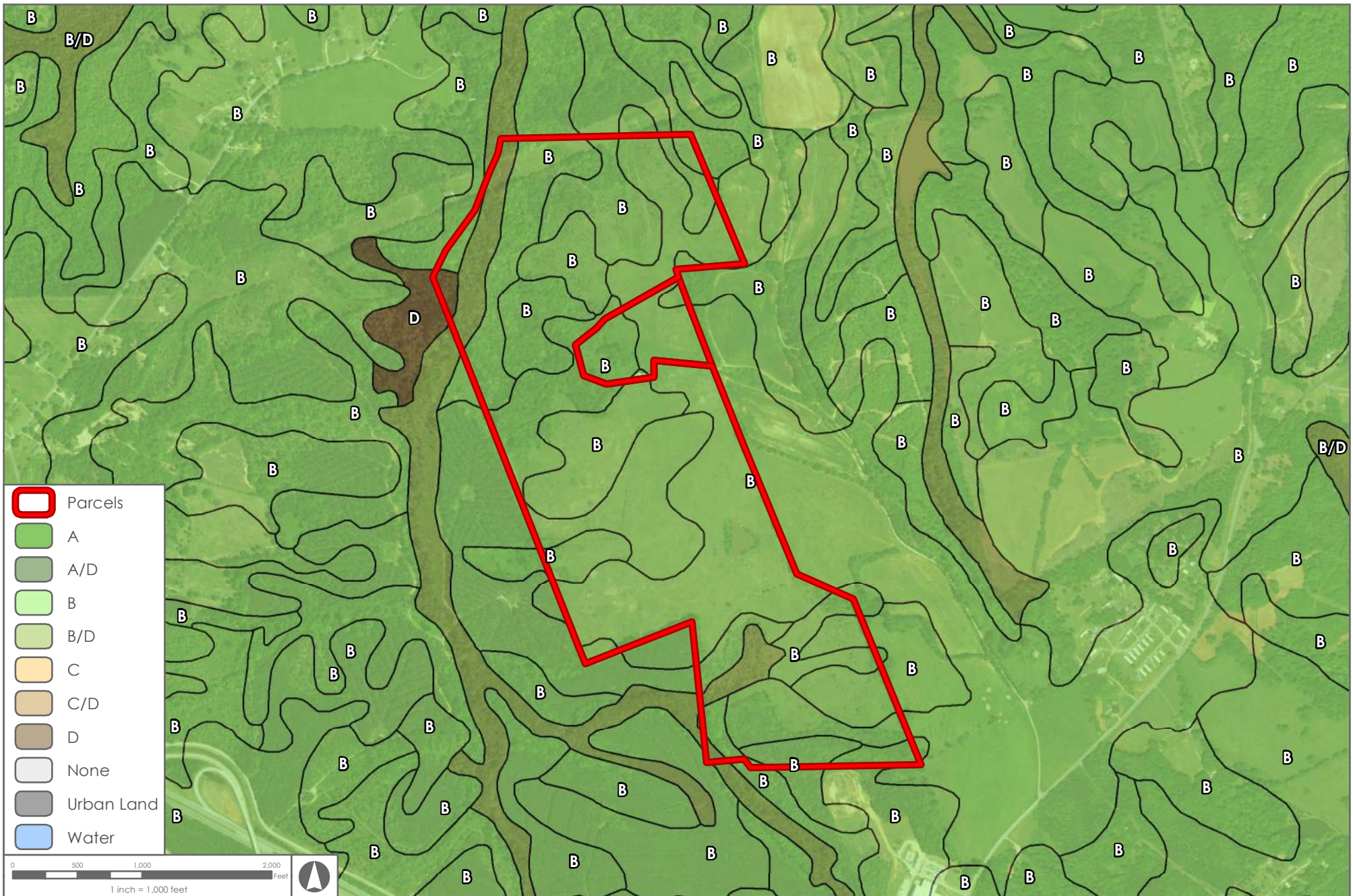
USGS Topo



1501 MAIN STREET • SUITE 760
COLUMBIA, SC 29201 • 803.451.6789
WWW.THOMASANDHUTTON.COM

GEOGRAPHIC INFORMATION SYSTEMS

COPYRIGHT © 2017 THOMAS & HUTTON



- Parcels
- A
- A/D
- B
- B/D
- C
- C/D
- D
- None
- Urban Land
- Water

0 500 1,000 2,000 Feet		
1 inch = 1,000 feet		
Job Num: 26942.0000	Produced: 10/30/2017	Produced By: MAD
File: Z:\26942\26942.0000\GIS\Map\Soils_Site2_2017_Letter.mxd	Modified: 10/30/2017	Modified By:
Thomas & Hutton compiled the map information from the following sources:		Vertical Datum:
Source	Date	
Base Map	ESRI	2015
Soils	SSURGO	2016
<small>DISCLAIMER</small> Where Thomas & Hutton is cited as the data source, the firm has created or verified the data. For all other sources cited, Thomas & Hutton used the data "as is" and has made no independent investigation of the data, and makes no representation as to the accuracy or completeness of the data. Please see each source for available documentation of its respective datasets. Copyright © 2015 by Thomas & Hutton. No part of this document may be reproduced without written permission from an officer of Thomas & Hutton.		

Laurens Site 14 Parcel 2

Laurens County, South Carolina

Soils













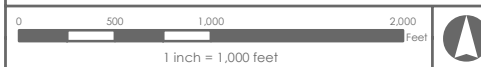
1501 MAIN STREET • SUITE 760
COLUMBIA, SC 29201 • 803.451.6789
WWW.THOMASANDHUTTON.COM

GEOGRAPHIC INFORMATION SYSTEMS

COPYRIGHT © 2017 THOMAS & HUTTON



-  Parcels
-  Other Boundaries
-  Limit Lines
- SFHA / Flood Zone Boundary
-  1% Annual Chance Flood Hazard
-  Regulatory Floodway
-  Special Floodway
-  Area of Undetermined Flood Hazard
-  0.2% Annual Chance Flood Hazard
-  Future Conditions 1% Annual Chance Flood Hazard
-  Area with Reduced Risk Due to Levee



Job Num: 26942.0000	Produced: 10/30/2017	Produced By: MAD	Modified: 10/30/2017	Modified By:
File: Z:\26942\26942.0000\GIS\Mxd\FEMA_Site2_2017_LetterL.mxd			Vertical Datum:	
Thomas & Hutton compiled the map information from the following sources:				
Data		Source		Date
Base Map		ESRI		2015
Flood Hazard Zones		FEMA		2012

DISCLAIMER
 Where Thomas & Hutton is cited as the data source, the firm has created or verified the data. For all other sources cited, Thomas & Hutton used the data "as is," has made no independent investigation of the data, and makes no representation as to the accuracy or completeness of the data. Please see each source for available documentation of its respective datasets.
 Copyright © 2015 by Thomas & Hutton
 No part of this document may be reproduced without written permission from an officer of Thomas & Hutton.

Laurens Site 14 Parcel 2

Laurens County, South Carolina

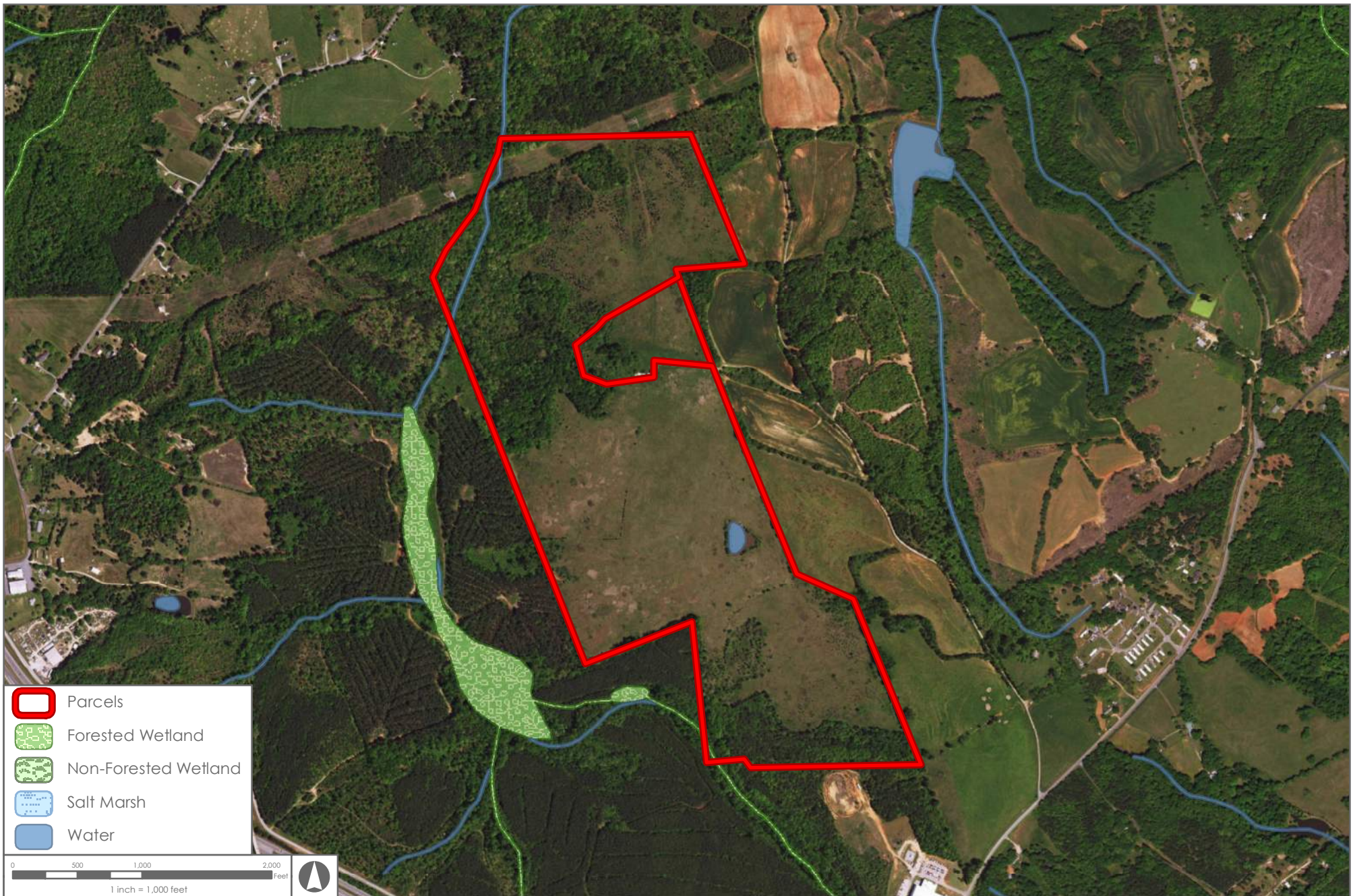
Flood Hazard Zones




1501 MAIN STREET • SUITE 760
 COLUMBIA, SC 29201 • 803.451.6789
WWW.THOMASANDHUTTON.COM

GEOGRAPHIC INFORMATION SYSTEMS

COPYRIGHT © 2017 THOMAS & HUTTON



-  Parcels
-  Forested Wetland
-  Non-Forested Wetland
-  Salt Marsh
-  Water

<div style="display: flex; align-items: center;"> <div style="flex: 1;"> <p>0 500 1,000 2,000</p> <p>1 inch = 1,000 feet</p> </div> <div style="flex: 0 0 30px; text-align: center;">  </div> </div>		
<small> Job Num: 26942.0000 Produced: 10/30/2017 Produced By: MAD Modified: 10/30/2017 Modified By: File: Z:\26942\26942.0000\GIS\Mxd\Wetlands_Site2_2017_Letter.mxd Vertical Datum: Thomas & Hutton compiled the map information from the following sources: Data Source Date Basemap Wetlands ESRI NWI 2015 2016 </small>		
<small> DISCLAIMER Where Thomas & Hutton is cited as the data source, the firm has created or verified the data. For all other sources cited, Thomas & Hutton used the data "as is" and made no independent investigation of the data and makes no representation as to the accuracy or completeness of the data. Please see each source for available documentation of its respective datasets. Copyright © 2015 by Thomas & Hutton No part of this document may be reproduced without written permission from an officer of Thomas & Hutton. </small>		

Laurens Site 14 Parcel 2

Laurens County, South Carolina

Wetlands



1501 MAIN STREET • SUITE 760
 COLUMBIA, SC 29201 • 803.451.6789
 WWW.THOMASANDHUTTON.COM

GEOGRAPHIC INFORMATION SYSTEMS

COPYRIGHT © 2017 THOMAS & HUTTON

Appendix B

EDR Records Search Report

Laurens County Site 14 Parcel 2

Not Reported

Gray Court, SC 29645

Inquiry Number: 5085543.12s

October 24, 2017

The EDR Radius Map™ Report with GeoCheck®



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

TABLE OF CONTENTS

<u>SECTION</u>	<u>PAGE</u>
Executive Summary	ES1
Overview Map	2
Detail Map	3
Map Findings Summary	4
Map Findings	8
Orphan Summary	9
Government Records Searched/Data Currency Tracking	GR-1
 <u>GEOCHECK ADDENDUM</u>	
Physical Setting Source Addendum	A-1
Physical Setting Source Summary	A-2
Physical Setting SSURGO Soil Map	A-5
Physical Setting Source Map	A-10
Physical Setting Source Map Findings	A-12
Physical Setting Source Records Searched	PSGR-1

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

Disclaimer - Copyright and Trademark Notice

This Report contains certain information obtained from a variety of public and other sources reasonably available to Environmental Data Resources, Inc. It cannot be concluded from this Report that coverage information for the target and surrounding properties does not exist from other sources. **NO WARRANTY EXPRESSED OR IMPLIED, IS MADE WHATSOEVER IN CONNECTION WITH THIS REPORT. ENVIRONMENTAL DATA RESOURCES, INC. SPECIFICALLY DISCLAIMS THE MAKING OF ANY SUCH WARRANTIES, INCLUDING WITHOUT LIMITATION, MERCHANTABILITY OR FITNESS FOR A PARTICULAR USE OR PURPOSE. ALL RISK IS ASSUMED BY THE USER. IN NO EVENT SHALL ENVIRONMENTAL DATA RESOURCES, INC. BE LIABLE TO ANYONE, WHETHER ARISING OUT OF ERRORS OR OMISSIONS, NEGLIGENCE, ACCIDENT OR ANY OTHER CAUSE, FOR ANY LOSS OF DAMAGE, INCLUDING, WITHOUT LIMITATION, SPECIAL, INCIDENTAL, CONSEQUENTIAL, OR EXEMPLARY DAMAGES. ANY LIABILITY ON THE PART OF ENVIRONMENTAL DATA RESOURCES, INC. IS STRICTLY LIMITED TO A REFUND OF THE AMOUNT PAID FOR THIS REPORT.** Purchaser accepts this Report "AS IS". Any analyses, estimates, ratings, environmental risk levels or risk codes provided in this Report are provided for illustrative purposes only, and are not intended to provide, nor should they be interpreted as providing any facts regarding, or prediction or forecast of, any environmental risk for any property. Only a Phase I Environmental Site Assessment performed by an environmental professional can provide information regarding the environmental risk for any property. Additionally, the information provided in this Report is not to be construed as legal advice.

Copyright 2017 by Environmental Data Resources, Inc. All rights reserved. Reproduction in any media or format, in whole or in part, of any report or map of Environmental Data Resources, Inc., or its affiliates, is prohibited without prior written permission.

EDR and its logos (including Sanborn and Sanborn Map) are trademarks of Environmental Data Resources, Inc. or its affiliates. All other trademarks used herein are the property of their respective owners.

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) or custom requirements developed for the evaluation of environmental risk associated with a parcel of real estate.

TARGET PROPERTY INFORMATION

ADDRESS

NOT REPORTED
GRAY COURT, SC 29645

COORDINATES

Latitude (North):	34.6502840 - 34° 39' 1.02"
Longitude (West):	82.1363160 - 82° 8' 10.73"
Universal Transverse Mercator:	Zone 17
UTM X (Meters):	395865.2
UTM Y (Meters):	3834652.8
Elevation:	778 ft. above sea level

USGS TOPOGRAPHIC MAP ASSOCIATED WITH TARGET PROPERTY

Target Property Map:	6063769 FOUNTAIN INN, SC
Version Date:	2014
Northeast Map:	6063817 WOODRUFF, SC
Version Date:	2014

AERIAL PHOTOGRAPHY IN THIS REPORT

Portions of Photo from:	20150424
Source:	USDA

MAPPED SITES SUMMARY

Target Property Address:
NOT REPORTED
GRAY COURT, SC 29645

Click on Map ID to see full detail.

MAP ID	SITE NAME	ADDRESS	DATABASE ACRONYMS	RELATIVE ELEVATION	DIST (ft. & mi.) DIRECTION
--------	-----------	---------	-------------------	--------------------	-------------------------------

NO MAPPED SITES FOUND

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 CERCLIS

SHWS..... Site Assessment Section Project List

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

SWF/LF..... Permitted Landfills List

State and tribal leaking storage tank lists

LUST..... Leaking Underground Storage Tank List

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

State and tribal registered storage tank lists

FEMA UST..... Underground Storage Tank Listing

UST..... Comprehensive Underground Storage Tanks

AST..... Aboveground Storage Tank List

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

State and tribal institutional control / engineering control registries

RCR..... Registry of Conditional Remedies

AUL..... Land Use Controls

State and tribal voluntary cleanup sites

VCP..... Voluntary Cleanup Sites

INDIAN VCP..... Voluntary Cleanup Priority Listing

State and tribal Brownfields sites

BROWNFIELDS..... Brownfields Sites Listing

ADDITIONAL ENVIRONMENTAL RECORDS

Local Brownfield lists

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

Local Lists of Landfill / Solid Waste Disposal Sites

SWRCY..... Solid Waste Recycling Facilities

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

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

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

EXECUTIVE SUMMARY

ALLSITES..... Site Assessment & Remediation Public Record Database
 CDL..... Clandestine Drug Lab Sites
 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 Database List
 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
 ECHO..... Enforcement & Compliance History Information
 DOCKET HWC..... Hazardous Waste Compliance Docket Listing
 UXO..... Unexploded Ordnance Sites
 FUELS PROGRAM..... EPA Fuels Program Registered Listing

EXECUTIVE SUMMARY

AIRS.....	Permitted Airs Facility Listing
ASBESTOS.....	ASBESTOS
COAL ASH.....	Coal Ash Disposal Sites
DRYCLEANERS.....	Drycleaner Database
Financial Assurance.....	Financial Assurance Information Listing
GWCI.....	Groundwater Contamination Inventory
NPDES.....	Waste Water Treatment Facilities Listing
UIC.....	Underground Injection Wells Listing

EDR HIGH RISK HISTORICAL RECORDS

EDR Exclusive Records

EDR MGP.....	EDR Proprietary Manufactured Gas Plants
EDR Hist Auto.....	EDR Exclusive Historic Gas Stations
EDR Hist Cleaner.....	EDR Exclusive Historic Dry 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 not identified.

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

EXECUTIVE SUMMARY

Due to poor or inadequate address information, the following sites were not mapped. Count: 3 records.

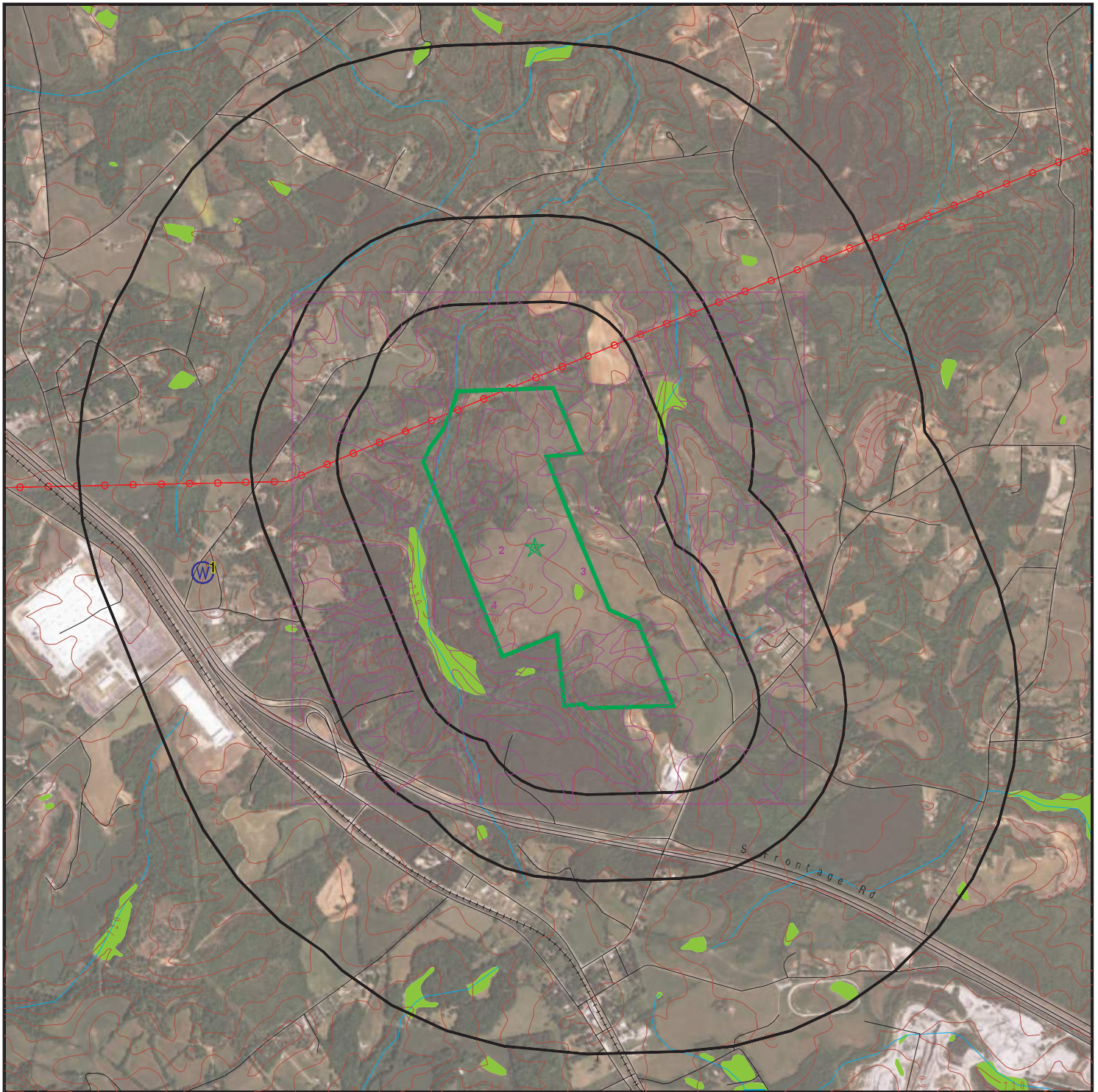
Site Name

HOUSTON PROPERTY SITE
WOODSIDE MILLS INC FURMAN PLANT
VISSAGE AUTO PARTS CO

Database(s)

SHWS
LUST, UST
LUST, UST

OVERVIEW MAP - 5085543.12S



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

Indian Reservations BIA

Power transmission lines

100-year flood zone

500-year flood zone

National Wetland Inventory

State Wetlands

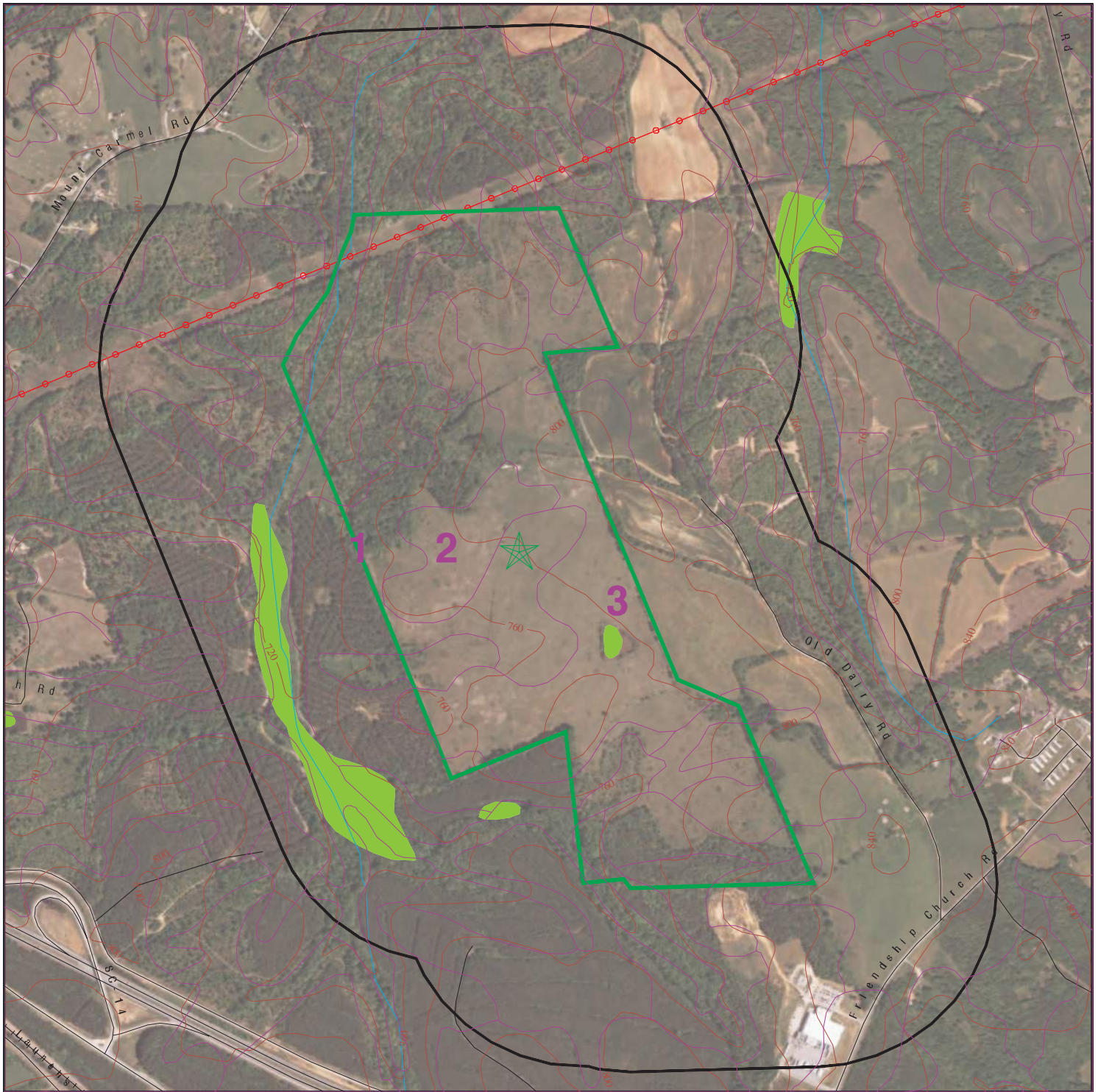
Upgradient Area

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: Laurens County Site 14 Parcel 2
 ADDRESS: Not Reported
 Gray Court SC 29645
 LAT/LONG: 34.650284 / 82.136316

CLIENT: Thomas & Hutton
 CONTACT: Kate McCoy
 INQUIRY #: 5085543.12s
 DATE: October 24, 2017 8:56 am

DETAIL MAP - 5085543.12S



- 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
- Power transmission lines
- 100-year flood zone
- 500-year flood zone
- National Wetland Inventory
- State Wetlands

0 1/8 1/4 1/2 Miles



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: Laurens County Site 14 Parcel 2
 ADDRESS: Not Reported
 Gray Court SC 29645
 LAT/LONG: 34.650284 / 82.136316

CLIENT: Thomas & Hutton
 CONTACT: Kate McCoy
 INQUIRY #: 5085543.12s
 DATE: October 24, 2017 8:58 am

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	0.001		0	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	0.001		0	NR	NR	NR	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
<i>State and tribal leaking storage tank lists</i>								
LUST	0.500		0	0	0	NR	NR	0
INDIAN LUST	0.500		0	0	0	NR	NR	0
<i>State and tribal registered storage tank lists</i>								
FEMA UST	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
UST	0.250		0	0	NR	NR	NR	0
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								
RCR	0.500		0	0	0	NR	NR	0
AUL	0.500		0	0	0	NR	NR	0
State and tribal voluntary cleanup sites								
VCP	0.500		0	0	0	NR	NR	0
INDIAN 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
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	0.001		0	NR	NR	NR	NR	0
ALLSITES	0.500		0	0	0	NR	NR	0
CDL	0.001		0	NR	NR	NR	NR	0
US CDL	0.001		0	NR	NR	NR	NR	0
Local Land Records								
LIENS 2	0.001		0	NR	NR	NR	NR	0
Records of Emergency Release Reports								
HMIRS	0.001		0	NR	NR	NR	NR	0
SPILLS	0.001		0	NR	NR	NR	NR	0
SPILLS 90	0.001		0	NR	NR	NR	NR	0
SPILLS 80	0.001		0	NR	NR	NR	NR	0
Other Ascertainable Records								
RCRA NonGen / NLR	0.250		0	0	NR	NR	NR	0
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

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
US FIN ASSUR	0.001		0	NR	NR	NR	NR	0
EPA WATCH LIST	0.001		0	NR	NR	NR	NR	0
2020 COR ACTION	0.250		0	0	NR	NR	NR	0
TSCA	0.001		0	NR	NR	NR	NR	0
TRIS	0.001		0	NR	NR	NR	NR	0
SSTS	0.001		0	NR	NR	NR	NR	0
ROD	1.000		0	0	0	0	NR	0
RMP	0.001		0	NR	NR	NR	NR	0
RAATS	0.001		0	NR	NR	NR	NR	0
PRP	0.001		0	NR	NR	NR	NR	0
PADS	0.001		0	NR	NR	NR	NR	0
ICIS	0.001		0	NR	NR	NR	NR	0
FTTS	0.001		0	NR	NR	NR	NR	0
MLTS	0.001		0	NR	NR	NR	NR	0
COAL ASH DOE	0.001		0	NR	NR	NR	NR	0
COAL ASH EPA	0.500		0	0	0	NR	NR	0
PCB TRANSFORMER	0.001		0	NR	NR	NR	NR	0
RADINFO	0.001		0	NR	NR	NR	NR	0
HIST FTTS	0.001		0	NR	NR	NR	NR	0
DOT OPS	0.001		0	NR	NR	NR	NR	0
CONSENT	1.000		0	0	0	0	NR	0
INDIAN RESERV	0.001		0	NR	NR	NR	NR	0
FUSRAP	1.000		0	0	0	0	NR	0
UMTRA	0.500		0	0	0	NR	NR	0
LEAD SMELTERS	0.001		0	NR	NR	NR	NR	0
US AIRS	0.001		0	NR	NR	NR	NR	0
US MINES	0.250		0	0	NR	NR	NR	0
ABANDONED MINES	0.001		0	NR	NR	NR	NR	0
FINDS	0.001		0	NR	NR	NR	NR	0
ECHO	0.001		0	NR	NR	NR	NR	0
DOCKET HWC	0.001		0	NR	NR	NR	NR	0
UXO	1.000		0	0	0	0	NR	0
FUELS PROGRAM	0.250		0	0	NR	NR	NR	0
AIRS	0.001		0	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	0.001		0	NR	NR	NR	NR	0
GWCI	0.500		0	0	0	NR	NR	0
NPDES	0.001		0	NR	NR	NR	NR	0
UIC	0.001		0	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		0	NR	NR	NR	NR	0
EDR Hist Cleaner	0.125		0	NR	NR	NR	NR	0

EDR RECOVERED GOVERNMENT ARCHIVES

Exclusive Recovered Govt. Archives

RGA HWS	0.001		0	NR	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
RGA LF	0.001		0	NR	NR	NR	NR	0
RGA LUST	0.001		0	NR	NR	NR	NR	0
- Totals --		0	0	0	0	0	0	0

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

Site

Database(s)

EDR ID Number
EPA ID Number

NO SITES FOUND

Count: 3 records.

ORPHAN SUMMARY

City	EDR ID	Site Name	Site Address	Zip	Database(s)
FOUNATIN INN	U004018880	WOODSIDE MILLS INC FURMAN PLANT	FRONTAGE RD HWY 276	29644	LUST, UST
GRAY COURT	S105528119	HOUSTON PROPERTY SITE	S-107 3/4 MILE FROM FRONTAGE R	29645	SHWS
OWINGS	U003526363	VISSAGE AUTO PARTS CO	FRIENDSHIP CHURCH RD	29645	LUST, UST

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: 05/30/2017	Source: EPA
Date Data Arrived at EDR: 06/08/2017	Telephone: N/A
Date Made Active in Reports: 09/15/2017	Last EDR Contact: 10/05/2017
Number of Days to Update: 99	Next Scheduled EDR Contact: 01/15/2018
	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: 05/30/2017	Source: EPA
Date Data Arrived at EDR: 06/09/2017	Telephone: N/A
Date Made Active in Reports: 09/15/2017	Last EDR Contact: 10/05/2017
Number of Days to Update: 98	Next Scheduled EDR Contact: 01/15/2018
	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: 05/30/2017	Source: EPA
Date Data Arrived at EDR: 06/09/2017	Telephone: N/A
Date Made Active in Reports: 09/15/2017	Last EDR Contact: 10/05/2017
Number of Days to Update: 98	Next Scheduled EDR Contact: 01/15/2018
	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: 10/06/2017
Number of Days to Update: 92	Next Scheduled EDR Contact: 01/15/2018
	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: 07/11/2017	Source: EPA
Date Data Arrived at EDR: 07/21/2017	Telephone: 800-424-9346
Date Made Active in Reports: 10/06/2017	Last EDR Contact: 10/20/2017
Number of Days to Update: 77	Next Scheduled EDR Contact: 01/29/2018
	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: 07/11/2017	Source: EPA
Date Data Arrived at EDR: 07/28/2017	Telephone: 800-424-9346
Date Made Active in Reports: 10/06/2017	Last EDR Contact: 10/20/2017
Number of Days to Update: 70	Next Scheduled EDR Contact: 01/29/2018
	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: 09/13/2017	Source: EPA
Date Data Arrived at EDR: 09/26/2017	Telephone: 800-424-9346
Date Made Active in Reports: 10/06/2017	Last EDR Contact: 09/26/2017
Number of Days to Update: 10	Next Scheduled EDR Contact: 01/08/2018
	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: 09/13/2017	Source: Environmental Protection Agency
Date Data Arrived at EDR: 09/26/2017	Telephone: (404) 562-8651
Date Made Active in Reports: 10/06/2017	Last EDR Contact: 09/26/2017
Number of Days to Update: 10	Next Scheduled EDR Contact: 01/08/2018
	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: 09/13/2017	Source: Environmental Protection Agency
Date Data Arrived at EDR: 09/26/2017	Telephone: (404) 562-8651
Date Made Active in Reports: 10/06/2017	Last EDR Contact: 09/26/2017
Number of Days to Update: 10	Next Scheduled EDR Contact: 01/08/2018
	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: 09/13/2017	Source: Environmental Protection Agency
Date Data Arrived at EDR: 09/26/2017	Telephone: (404) 562-8651
Date Made Active in Reports: 10/06/2017	Last EDR Contact: 09/26/2017
Number of Days to Update: 10	Next Scheduled EDR Contact: 01/08/2018
	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: 09/13/2017	Source: Environmental Protection Agency
Date Data Arrived at EDR: 09/26/2017	Telephone: (404) 562-8651
Date Made Active in Reports: 10/06/2017	Last EDR Contact: 09/26/2017
Number of Days to Update: 10	Next Scheduled EDR Contact: 01/08/2018
	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: 05/22/2017	Source: Department of the Navy
Date Data Arrived at EDR: 06/13/2017	Telephone: 843-820-7326
Date Made Active in Reports: 09/15/2017	Last EDR Contact: 08/10/2017
Number of Days to Update: 94	Next Scheduled EDR Contact: 11/27/2017
	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: 08/10/2017	Source: Environmental Protection Agency
Date Data Arrived at EDR: 08/30/2017	Telephone: 703-603-0695
Date Made Active in Reports: 10/13/2017	Last EDR Contact: 08/30/2017
Number of Days to Update: 44	Next Scheduled EDR Contact: 12/11/2017
	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: 08/10/2017	Source: Environmental Protection Agency
Date Data Arrived at EDR: 08/30/2017	Telephone: 703-603-0695
Date Made Active in Reports: 10/13/2017	Last EDR Contact: 08/30/2017
Number of Days to Update: 44	Next Scheduled EDR Contact: 12/11/2017
	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: 09/18/2017

Date Data Arrived at EDR: 09/21/2017

Date Made Active in Reports: 10/13/2017

Number of Days to Update: 22

Source: National Response Center, United States Coast Guard

Telephone: 202-267-2180

Last EDR Contact: 09/21/2017

Next Scheduled EDR Contact: 01/08/2018

Data Release Frequency: Quarterly

State- and tribal - equivalent CERCLIS

SHWS: Site Assessment Section Project List

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: 09/19/2017

Date Data Arrived at EDR: 09/21/2017

Date Made Active in Reports: 09/27/2017

Number of Days to Update: 6

Source: Department of Health and Environmental Control

Telephone: 803-898-0835

Last EDR Contact: 09/08/2017

Next Scheduled EDR Contact: 12/25/2017

Data Release Frequency: Semi-Annually

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

SWF/LF: Permitted Landfills List

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: 09/08/2017

Date Data Arrived at EDR: 09/11/2017

Date Made Active in Reports: 09/27/2017

Number of Days to Update: 16

Source: Department of Health and Environmental Control

Telephone: 803-734-5165

Source: Department of Health and Environmental Control, GIS Section

Telephone: 803-896-4084

Last EDR Contact: 09/08/2017

Next Scheduled EDR Contact: 12/25/2017

Data Release Frequency: Semi-Annually

State and tribal leaking storage tank lists

LUST: Leaking Underground Storage Tank List

Leaking Underground Storage Tank Incident Reports. LUST records contain an inventory of reported leaking underground storage tank incidents. Not all states maintain these records, and the information stored varies by state.

Date of Government Version: 08/22/2017

Date Data Arrived at EDR: 09/28/2017

Date Made Active in Reports: 10/02/2017

Number of Days to Update: 4

Source: Department of Health and Environmental Control

Telephone: 803-898-4350

Last EDR Contact: 10/23/2017

Next Scheduled EDR Contact: 02/05/2018

Data Release Frequency: Quarterly

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: 04/14/2017

Date Data Arrived at EDR: 07/27/2017

Date Made Active in Reports: 10/06/2017

Number of Days to Update: 71

Source: EPA Region 1

Telephone: 617-918-1313

Last EDR Contact: 07/27/2017

Next Scheduled EDR Contact: 11/08/2017

Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

INDIAN LUST R7: Leaking Underground Storage Tanks on Indian Land LUSTs on Indian land in Iowa, Kansas, and Nebraska

Date of Government Version: 04/14/2017	Source: EPA Region 7
Date Data Arrived at EDR: 07/27/2017	Telephone: 913-551-7003
Date Made Active in Reports: 10/06/2017	Last EDR Contact: 07/27/2017
Number of Days to Update: 71	Next Scheduled EDR Contact: 11/08/2017
	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: 04/24/2017	Source: EPA Region 6
Date Data Arrived at EDR: 07/27/2017	Telephone: 214-665-6597
Date Made Active in Reports: 10/06/2017	Last EDR Contact: 07/27/2017
Number of Days to Update: 71	Next Scheduled EDR Contact: 11/08/2017
	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: 10/07/2016	Source: EPA Region 10
Date Data Arrived at EDR: 01/26/2017	Telephone: 206-553-2857
Date Made Active in Reports: 05/05/2017	Last EDR Contact: 07/27/2017
Number of Days to Update: 99	Next Scheduled EDR Contact: 11/08/2017
	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: 04/26/2017	Source: EPA, Region 5
Date Data Arrived at EDR: 07/27/2017	Telephone: 312-886-7439
Date Made Active in Reports: 10/13/2017	Last EDR Contact: 07/27/2017
Number of Days to Update: 78	Next Scheduled EDR Contact: 11/08/2017
	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: 10/14/2016	Source: EPA Region 4
Date Data Arrived at EDR: 01/27/2017	Telephone: 404-562-8677
Date Made Active in Reports: 05/05/2017	Last EDR Contact: 07/28/2017
Number of Days to Update: 98	Next Scheduled EDR Contact: 11/08/2017
	Data Release Frequency: Semi-Annually

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: 04/13/2017	Source: Environmental Protection Agency
Date Data Arrived at EDR: 07/27/2017	Telephone: 415-972-3372
Date Made Active in Reports: 10/13/2017	Last EDR Contact: 07/27/2017
Number of Days to Update: 78	Next Scheduled EDR Contact: 11/08/2017
	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.

Date of Government Version: 05/01/2017	Source: EPA Region 8
Date Data Arrived at EDR: 07/27/2017	Telephone: 303-312-6271
Date Made Active in Reports: 10/13/2017	Last EDR Contact: 07/27/2017
Number of Days to Update: 78	Next Scheduled EDR Contact: 11/08/2017
	Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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	Source: FEMA
Date Data Arrived at EDR: 05/30/2017	Telephone: 202-646-5797
Date Made Active in Reports: 10/13/2017	Last EDR Contact: 10/13/2017
Number of Days to Update: 136	Next Scheduled EDR Contact: 01/22/2018
	Data Release Frequency: Varies

UST: Comprehensive Underground Storage Tanks

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.

Date of Government Version: 10/04/2017	Source: Department of Health and Environmental Control
Date Data Arrived at EDR: 10/06/2017	Telephone: 803-896-7957
Date Made Active in Reports: 10/06/2017	Last EDR Contact: 10/06/2017
Number of Days to Update: 0	Next Scheduled EDR Contact: 02/05/2018
	Data Release Frequency: Quarterly

AST: Aboveground Storage Tank List

Registered Aboveground Storage Tanks.

Date of Government Version: 03/25/2004	Source: Department of Health and Environmental Control
Date Data Arrived at EDR: 08/04/2004	Telephone: 803-898-4350
Date Made Active in Reports: 09/23/2004	Last EDR Contact: 08/25/2017
Number of Days to Update: 50	Next Scheduled EDR Contact: 12/11/2017
	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: 05/01/2017	Source: EPA Region 8
Date Data Arrived at EDR: 07/27/2017	Telephone: 303-312-6137
Date Made Active in Reports: 10/13/2017	Last EDR Contact: 07/27/2017
Number of Days to Update: 78	Next Scheduled EDR Contact: 11/08/2017
	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: 10/01/2016	Source: EPA Region 6
Date Data Arrived at EDR: 01/26/2017	Telephone: 214-665-7591
Date Made Active in Reports: 05/05/2017	Last EDR Contact: 07/27/2017
Number of Days to Update: 99	Next Scheduled EDR Contact: 11/08/2017
	Data Release Frequency: Semi-Annually

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: 04/26/2017	Source: EPA Region 5
Date Data Arrived at EDR: 07/27/2017	Telephone: 312-886-6136
Date Made Active in Reports: 10/06/2017	Last EDR Contact: 07/27/2017
Number of Days to Update: 71	Next Scheduled EDR Contact: 11/08/2017
	Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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)

Date of Government Version: 10/14/2016	Source: EPA Region 4
Date Data Arrived at EDR: 01/27/2017	Telephone: 404-562-9424
Date Made Active in Reports: 05/05/2017	Last EDR Contact: 07/28/2017
Number of Days to Update: 98	Next Scheduled EDR Contact: 11/08/2017
	Data Release Frequency: Semi-Annually

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: 04/14/2017	Source: EPA, Region 1
Date Data Arrived at EDR: 07/27/2017	Telephone: 617-918-1313
Date Made Active in Reports: 10/06/2017	Last EDR Contact: 07/27/2017
Number of Days to Update: 71	Next Scheduled EDR Contact: 11/08/2017
	Data Release Frequency: Varies

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: 05/02/2017	Source: EPA Region 7
Date Data Arrived at EDR: 07/27/2017	Telephone: 913-551-7003
Date Made Active in Reports: 10/06/2017	Last EDR Contact: 07/27/2017
Number of Days to Update: 71	Next Scheduled EDR Contact: 11/08/2017
	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: 04/25/2017	Source: EPA Region 10
Date Data Arrived at EDR: 07/27/2017	Telephone: 206-553-2857
Date Made Active in Reports: 10/13/2017	Last EDR Contact: 07/27/2017
Number of Days to Update: 78	Next Scheduled EDR Contact: 11/08/2017
	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: 04/13/2017	Source: EPA Region 9
Date Data Arrived at EDR: 07/27/2017	Telephone: 415-972-3368
Date Made Active in Reports: 10/13/2017	Last EDR Contact: 07/27/2017
Number of Days to Update: 78	Next Scheduled EDR Contact: 11/08/2017
	Data Release Frequency: Varies

State and tribal institutional control / engineering control registries

RCR: Registry of Conditional Remedies

The Bureau of Land and Waste Management established this Registry to help monitor and maintain sites that have conditional remedies. A Conditional Remedy is an environmental remedy that includes certain qualifications. These qualifications are divided into two major categories: Remedies requiring Land Use Controls and Conditional No Further Actions.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 06/14/2017
Date Data Arrived at EDR: 06/16/2017
Date Made Active in Reports: 09/27/2017
Number of Days to Update: 103

Source: Department of Health & Environmental Control
Telephone: 803-896-4000
Last EDR Contact: 09/08/2017
Next Scheduled EDR Contact: 12/25/2017
Data Release Frequency: Varies

AUL: Land Use Controls

The term Land Use Controls or "LUCs" encompass institutional controls, such as those involved in real estate interests, governmental permitting, zoning, public advisories, deed notices, and other legal restrictions. The term also includes restrictions on access, whether achieved by means of engineered barriers (e.g., fence or concrete pad) or by human means (e.g., the presence of security guards). Additionally, the term includes both affirmative measures to achieve the desired restrictions (e.g., night lighting of an area) and prohibitive directives (e.g., restrictions on certain types of wells for the duration of the corrective action). Considered altogether, the LUCs for a facility will provide a tool for how the property should be used in order to maintain the level of protectiveness that one or more corrective actions were designed to achieve.

Date of Government Version: 09/12/2017
Date Data Arrived at EDR: 09/13/2017
Date Made Active in Reports: 09/27/2017
Number of Days to Update: 14

Source: Department of Health & Environmental Control
Telephone: 803-896-4049
Last EDR Contact: 09/13/2017
Next Scheduled EDR Contact: 12/25/2017
Data Release Frequency: Varies

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: 09/25/2017
Next Scheduled EDR Contact: 01/08/2018
Data Release Frequency: Varies

VCP: Voluntary Cleanup Sites

Sites participating in the Voluntary Cleanup Program. Once staff and a non-responsible party have agreed upon an approved scope of work for a site investigation and/or remediation, the party enters into a voluntary cleanup contract. Staff oversees the cleanup efforts to ensure that activities are performed to our satisfaction. Upon completion of the negotiated work in the voluntary cleanup contract, the non-responsible party receives State Superfund liability protection.

Date of Government Version: 10/17/2017
Date Data Arrived at EDR: 10/17/2017
Date Made Active in Reports: 10/19/2017
Number of Days to Update: 2

Source: Department of Health and Environmental Control
Telephone: 803-896-4049
Last EDR Contact: 09/08/2017
Next Scheduled EDR Contact: 12/25/2017
Data Release Frequency: Varies

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

State and tribal Brownfields sites

BROWNFIELDS: Brownfields Sites Listing

The Brownfields component of the Voluntary Cleanup Program allows a non-responsible party to acquire a contaminated property with State Superfund liability protection for existing contamination by agreeing to perform an environmental assessment and/or remediation.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 10/17/2017
Date Data Arrived at EDR: 10/17/2017
Date Made Active in Reports: 10/19/2017
Number of Days to Update: 2

Source: Department of Health & Environmental Control
Telephone: 803-896-4069
Last EDR Contact: 09/08/2017
Next Scheduled EDR Contact: 12/25/2017
Data Release Frequency: Varies

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: 06/19/2017
Date Data Arrived at EDR: 06/20/2017
Date Made Active in Reports: 09/15/2017
Number of Days to Update: 87

Source: Environmental Protection Agency
Telephone: 202-566-2777
Last EDR Contact: 09/20/2017
Next Scheduled EDR Contact: 01/01/2018
Data Release Frequency: Semi-Annually

Local Lists of Landfill / Solid Waste Disposal Sites

SWRCY: Solid Waste Recycling Facilities

A listing of recycling center locations.

Date of Government Version: 01/27/2016
Date Data Arrived at EDR: 03/04/2016
Date Made Active in Reports: 04/01/2016
Number of Days to Update: 28

Source: Department of Health & Environmental Control
Telephone: 803-896-8985
Last EDR Contact: 09/01/2017
Next Scheduled EDR Contact: 12/11/2017
Data Release Frequency: Varies

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: 08/01/2017
Next Scheduled EDR Contact: 11/13/2017
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: 10/20/2017
Next Scheduled EDR Contact: 02/05/2018
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.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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: 08/29/2017
Next Scheduled EDR Contact: 11/13/2017
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: 07/13/2017
Date Data Arrived at EDR: 09/06/2017
Date Made Active in Reports: 10/06/2017
Number of Days to Update: 30

Source: Drug Enforcement Administration
Telephone: 202-307-1000
Last EDR Contact: 08/30/2017
Next Scheduled EDR Contact: 12/11/2017
Data Release Frequency: No Update Planned

ALLSITES: Site Assessment & Remediation Public Record Database

The South Carolina Department of Health and Environmental Control is pleased to have the Public Record for your review. The purpose of this database is two-fold. First, it will provide to communities another form of notice of cleanup activity, allowing them to have more information about assessment and cleanup activities in their area and in the State. Second, it can assist those seeking to redevelop brownfield properties within South Carolina.

Date of Government Version: 09/12/2017
Date Data Arrived at EDR: 09/13/2017
Date Made Active in Reports: 09/27/2017
Number of Days to Update: 14

Source: Department of Health & Environmental Control
Telephone: 803-896-4000
Last EDR Contact: 09/13/2017
Next Scheduled EDR Contact: 12/25/2017
Data Release Frequency: Quarterly

CDL: Clandestine Drug Lab Sites

A listing of clandestine drug lab site locations.

Date of Government Version: 01/24/2012
Date Data Arrived at EDR: 01/26/2012
Date Made Active in Reports: 02/24/2012
Number of Days to Update: 29

Source: Department of Health & Environmental Control
Telephone: 803-896-4288
Last EDR Contact: 08/31/2017
Next Scheduled EDR Contact: 12/18/2017
Data Release Frequency: Varies

CDL 2: Clandestine Drug Lab Listing

A listing of clandestine drug lab site locations.

Date of Government Version: 08/31/2017
Date Data Arrived at EDR: 09/11/2017
Date Made Active in Reports: 09/27/2017
Number of Days to Update: 16

Source: South Carolina Law Enforcement Division
Telephone: 803-896-7136
Last EDR Contact: 08/25/2017
Next Scheduled EDR Contact: 12/11/2017
Data Release Frequency: Varies

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.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 07/13/2017
Date Data Arrived at EDR: 09/06/2017
Date Made Active in Reports: 10/06/2017
Number of Days to Update: 30

Source: Drug Enforcement Administration
Telephone: 202-307-1000
Last EDR Contact: 08/30/2017
Next Scheduled EDR Contact: 12/11/2017
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: 07/11/2017
Date Data Arrived at EDR: 07/26/2017
Date Made Active in Reports: 10/13/2017
Number of Days to Update: 79

Source: Environmental Protection Agency
Telephone: 202-564-6023
Last EDR Contact: 07/26/2017
Next Scheduled EDR Contact: 11/08/2017
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: 09/21/2017
Date Data Arrived at EDR: 09/21/2017
Date Made Active in Reports: 10/13/2017
Number of Days to Update: 22

Source: U.S. Department of Transportation
Telephone: 202-366-4555
Last EDR Contact: 09/21/2017
Next Scheduled EDR Contact: 01/08/2018
Data Release Frequency: Quarterly

SPILLS: Spill List

Spills and releases of petroleum and hazardous chemicals reported to the Oil & Chemical Emergency Response division.

Date of Government Version: 09/18/2017
Date Data Arrived at EDR: 09/20/2017
Date Made Active in Reports: 09/27/2017
Number of Days to Update: 7

Source: Department of Health and Environmental Control
Telephone: 803-898-4111
Last EDR Contact: 08/25/2017
Next Scheduled EDR Contact: 12/11/2017
Data Release Frequency: Semi-Annually

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.

Date of Government Version: 10/25/2012
Date Data Arrived at EDR: 01/03/2013
Date Made Active in Reports: 03/07/2013
Number of Days to Update: 63

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: 03/26/2001
Date Data Arrived at EDR: 01/03/2013
Date Made Active in Reports: 03/07/2013
Number of Days to Update: 63

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

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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: 09/13/2017	Source: Environmental Protection Agency
Date Data Arrived at EDR: 09/26/2017	Telephone: (404) 562-8651
Date Made Active in Reports: 10/06/2017	Last EDR Contact: 09/26/2017
Number of Days to Update: 10	Next Scheduled EDR Contact: 01/08/2018
	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	Source: U.S. Army Corps of Engineers
Date Data Arrived at EDR: 07/08/2015	Telephone: 202-528-4285
Date Made Active in Reports: 10/13/2015	Last EDR Contact: 08/25/2017
Number of Days to Update: 97	Next Scheduled EDR Contact: 12/04/2017
	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	Source: USGS
Date Data Arrived at EDR: 11/10/2006	Telephone: 888-275-8747
Date Made Active in Reports: 01/11/2007	Last EDR Contact: 10/13/2017
Number of Days to Update: 62	Next Scheduled EDR Contact: 01/22/2018
	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	Source: U.S. Geological Survey
Date Data Arrived at EDR: 02/06/2006	Telephone: 888-275-8747
Date Made Active in Reports: 01/11/2007	Last EDR Contact: 10/11/2017
Number of Days to Update: 339	Next Scheduled EDR Contact: 01/22/2018
	Data Release Frequency: N/A

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: 08/18/2017
Number of Days to Update: 63	Next Scheduled EDR Contact: 11/27/2017
	Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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: 05/10/2017	Source: Environmental Protection Agency
Date Data Arrived at EDR: 05/17/2017	Telephone: 202-566-1917
Date Made Active in Reports: 09/15/2017	Last EDR Contact: 09/26/2017
Number of Days to Update: 121	Next Scheduled EDR Contact: 01/08/2018
	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: 08/07/2017
Number of Days to Update: 88	Next Scheduled EDR Contact: 11/20/2017
	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: 04/22/2013	Source: Environmental Protection Agency
Date Data Arrived at EDR: 03/03/2015	Telephone: 703-308-4044
Date Made Active in Reports: 03/09/2015	Last EDR Contact: 08/24/2017
Number of Days to Update: 6	Next Scheduled EDR Contact: 11/20/2017
	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: 12/31/2012	Source: EPA
Date Data Arrived at EDR: 01/15/2015	Telephone: 202-260-5521
Date Made Active in Reports: 01/29/2015	Last EDR Contact: 09/22/2017
Number of Days to Update: 14	Next Scheduled EDR Contact: 01/01/2018
	Data Release Frequency: Every 4 Years

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: 12/31/2014	Source: EPA
Date Data Arrived at EDR: 11/24/2015	Telephone: 202-566-0250
Date Made Active in Reports: 04/05/2016	Last EDR Contact: 08/23/2017
Number of Days to Update: 133	Next Scheduled EDR Contact: 12/04/2017
	Data Release Frequency: Annually

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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: 07/28/2017
Number of Days to Update: 77	Next Scheduled EDR Contact: 11/08/2017
	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: 09/27/2017	Source: EPA
Date Data Arrived at EDR: 10/12/2017	Telephone: 703-416-0223
Date Made Active in Reports: 10/20/2017	Last EDR Contact: 09/08/2017
Number of Days to Update: 8	Next Scheduled EDR Contact: 12/18/2017
	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: 02/01/2017	Source: Environmental Protection Agency
Date Data Arrived at EDR: 02/09/2017	Telephone: 202-564-8600
Date Made Active in Reports: 04/07/2017	Last EDR Contact: 10/23/2017
Number of Days to Update: 57	Next Scheduled EDR Contact: 02/05/2018
	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

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: 08/08/2017
Number of Days to Update: 3	Next Scheduled EDR Contact: 11/20/2017
	Data Release Frequency: Quarterly

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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: 10/13/2017
Number of Days to Update: 126	Next Scheduled EDR Contact: 01/22/2018
	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: 10/11/2017
Number of Days to Update: 79	Next Scheduled EDR Contact: 01/22/2018
	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: 10/16/2017
Number of Days to Update: 43	Next Scheduled EDR Contact: 11/20/2017
	Data Release Frequency: Quarterly

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: 10/03/2017
Number of Days to Update: 76	Next Scheduled EDR Contact: 12/18/2017
	Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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: 09/08/2017
Number of Days to Update: 40	Next Scheduled EDR Contact: 12/18/2017
	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: 02/01/2011	Source: Environmental Protection Agency
Date Data Arrived at EDR: 10/19/2011	Telephone: 202-566-0517
Date Made Active in Reports: 01/10/2012	Last EDR Contact: 07/28/2017
Number of Days to Update: 83	Next Scheduled EDR Contact: 11/08/2017
	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: 10/02/2017	Source: Environmental Protection Agency
Date Data Arrived at EDR: 10/05/2017	Telephone: 202-343-9775
Date Made Active in Reports: 10/13/2017	Last EDR Contact: 10/05/2017
Number of Days to Update: 8	Next Scheduled EDR Contact: 01/15/2018
	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.

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: 12/17/2008
Number of Days to Update: 40	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.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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: 08/01/2017
Next Scheduled EDR Contact: 11/13/2017
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: 06/30/2017
Date Data Arrived at EDR: 08/03/2017
Date Made Active in Reports: 10/20/2017
Number of Days to Update: 78

Source: Department of Justice, Consent Decree Library
Telephone: Varies
Last EDR Contact: 09/25/2017
Next Scheduled EDR Contact: 01/08/2018
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: 09/21/2017
Next Scheduled EDR Contact: 12/04/2017
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: 10/11/2017
Next Scheduled EDR Contact: 01/22/2018
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: 08/03/2017
Next Scheduled EDR Contact: 11/20/2017
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.

Date of Government Version: 09/14/2010
Date Data Arrived at EDR: 10/07/2011
Date Made Active in Reports: 03/01/2012
Number of Days to Update: 146

Source: Department of Energy
Telephone: 505-845-0011
Last EDR Contact: 10/10/2017
Next Scheduled EDR Contact: 12/04/2017
Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

LEAD SMELTER 1: Lead Smelter Sites

A listing of former lead smelter site locations.

Date of Government Version: 05/30/2017

Date Data Arrived at EDR: 06/09/2017

Date Made Active in Reports: 09/15/2017

Number of Days to Update: 98

Source: Environmental Protection Agency

Telephone: 703-603-8787

Last EDR Contact: 10/05/2017

Next Scheduled EDR Contact: 01/15/2018

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: 07/31/2017

Date Data Arrived at EDR: 08/30/2017

Date Made Active in Reports: 10/13/2017

Number of Days to Update: 44

Source: Department of Labor, Mine Safety and Health Administration

Telephone: 303-231-5959

Last EDR Contact: 08/30/2017

Next Scheduled EDR Contact: 12/11/2017

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.

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: 09/01/2017

Next Scheduled EDR Contact: 12/11/2017

Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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	Source: USGS
Date Data Arrived at EDR: 06/08/2011	Telephone: 703-648-7709
Date Made Active in Reports: 09/13/2011	Last EDR Contact: 09/01/2017
Number of Days to Update: 97	Next Scheduled EDR Contact: 12/11/2017
	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: 09/25/2017	Source: Department of Interior
Date Data Arrived at EDR: 09/26/2017	Telephone: 202-208-2609
Date Made Active in Reports: 10/20/2017	Last EDR Contact: 09/25/2017
Number of Days to Update: 24	Next Scheduled EDR Contact: 12/25/2017
	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: 07/23/2017	Source: EPA
Date Data Arrived at EDR: 09/06/2017	Telephone: (404) 562-9900
Date Made Active in Reports: 09/15/2017	Last EDR Contact: 09/06/2017
Number of Days to Update: 9	Next Scheduled EDR Contact: 12/18/2017
	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: 06/02/2016	Source: Environmental Protection Agency
Date Data Arrived at EDR: 06/03/2016	Telephone: 202-564-0527
Date Made Active in Reports: 09/02/2016	Last EDR Contact: 09/21/2017
Number of Days to Update: 91	Next Scheduled EDR Contact: 12/11/2017
	Data Release Frequency: Varies

ECHO: Enforcement & Compliance History Information

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

Date of Government Version: 09/02/2017	Source: Environmental Protection Agency
Date Data Arrived at EDR: 09/06/2017	Telephone: 202-564-2280
Date Made Active in Reports: 10/20/2017	Last EDR Contact: 09/06/2017
Number of Days to Update: 44	Next Scheduled EDR Contact: 12/18/2017
	Data Release Frequency: Quarterly

UXO: Unexploded Ordnance Sites

A listing of unexploded ordnance site locations

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 10/25/2016
Date Data Arrived at EDR: 06/02/2017
Date Made Active in Reports: 10/13/2017
Number of Days to Update: 133

Source: Department of Defense
Telephone: 703-704-1564
Last EDR Contact: 10/16/2017
Next Scheduled EDR Contact: 01/29/2018
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: 08/17/2017
Date Data Arrived at EDR: 08/17/2017
Date Made Active in Reports: 09/15/2017
Number of Days to Update: 29

Source: EPA
Telephone: 800-385-6164
Last EDR Contact: 08/17/2017
Next Scheduled EDR Contact: 12/04/2017
Data Release Frequency: Quarterly

AIRS: Permitted Airs Facility Listing

A listing of permitted airs facilities.

Date of Government Version: 08/29/2017
Date Data Arrived at EDR: 08/30/2017
Date Made Active in Reports: 10/16/2017
Number of Days to Update: 47

Source: Department of Health & Environmental Control
Telephone: 803-898-4279
Last EDR Contact: 08/30/2017
Next Scheduled EDR Contact: 12/11/2017
Data Release Frequency: Varies

ASBESTOS: Asbestos Notification Listing

Asbestos abatement & demolition project list

Date of Government Version: 07/26/2017
Date Data Arrived at EDR: 07/28/2017
Date Made Active in Reports: 10/16/2017
Number of Days to Update: 80

Source: Department of Health & Environmental Control
Telephone: 803-898-3882
Last EDR Contact: 10/23/2017
Next Scheduled EDR Contact: 02/05/2018
Data Release Frequency: Varies

COAL ASH: Coal Ash Disposal Sites

A listing of sites with coal ash ponds.

Date of Government Version: 01/20/2016
Date Data Arrived at EDR: 01/29/2016
Date Made Active in Reports: 04/01/2016
Number of Days to Update: 63

Source: Department of Health & Environmental Control
Telephone: 803-898-3964
Last EDR Contact: 09/18/2017
Next Scheduled EDR Contact: 01/01/2018
Data Release Frequency: Varies

DRYCLEANERS: Drycleaner Database

The Drycleaning Facility Restoration Trust Fund database is used to access, prioritize and cleanup contaminated registered drycleaning sites.

Date of Government Version: 12/29/2016
Date Data Arrived at EDR: 02/01/2017
Date Made Active in Reports: 03/09/2017
Number of Days to Update: 36

Source: Department of Health & Environmental Control
Telephone: 803-898-3882
Last EDR Contact: 08/03/2017
Next Scheduled EDR Contact: 11/13/2017
Data Release Frequency: Varies

Financial Assurance 1: Financial Assurance Information Listing

Financial assurance 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: 09/21/2017
Date Data Arrived at EDR: 09/22/2017
Date Made Active in Reports: 10/16/2017
Number of Days to Update: 24

Source: Department of Health & Environmental Control
Telephone: 803-896-4067
Last EDR Contact: 09/08/2017
Next Scheduled EDR Contact: 12/25/2017
Data Release Frequency: Semi-Annually

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Financial Assurance 2: Financial Assurance Information Listing

Hazardous waste financial assurance information.

Date of Government Version: 09/19/2017	Source: Department of Health & Environmental Control
Date Data Arrived at EDR: 09/21/2017	Telephone: 803-898-3880
Date Made Active in Reports: 10/16/2017	Last EDR Contact: 09/08/2017
Number of Days to Update: 25	Next Scheduled EDR Contact: 12/25/2017
	Data Release Frequency: Varies

Financial Assurance 3: Financial Assurance Information Listing

UST financial assurance information.

Date of Government Version: 10/04/2017	Source: Department of Health & Environmental Control
Date Data Arrived at EDR: 10/06/2017	Telephone: 803-898-3880
Date Made Active in Reports: 10/09/2017	Last EDR Contact: 08/25/2017
Number of Days to Update: 3	Next Scheduled EDR Contact: 12/11/2017
	Data Release Frequency: Varies

GWCI: Groundwater Contamination Inventory

An inventory of all groundwater contamination cases in the state.

Date of Government Version: 07/01/2008	Source: Department of Health and Environmental Control
Date Data Arrived at EDR: 11/06/2008	Telephone: 803-898-3798
Date Made Active in Reports: 11/19/2008	Last EDR Contact: 09/25/2017
Number of Days to Update: 13	Next Scheduled EDR Contact: 01/08/2018
	Data Release Frequency: Annually

NPDES: Waste Water Treatment Facilities Listing

A listing of waste water treatment facility locations.

Date of Government Version: 05/05/2017	Source: Department of Health & Environmental Control
Date Data Arrived at EDR: 05/08/2017	Telephone: 803-898-4300
Date Made Active in Reports: 05/24/2017	Last EDR Contact: 10/23/2017
Number of Days to Update: 16	Next Scheduled EDR Contact: 02/05/2018
	Data Release Frequency: Varies

UIC: Underground Injection Wells Listing

A listing of underground injection wells locations.

Date of Government Version: 07/31/2017	Source: Department of Health & Environmental Control
Date Data Arrived at EDR: 08/10/2017	Telephone: 803-898-3799
Date Made Active in Reports: 10/17/2017	Last EDR Contact: 08/07/2017
Number of Days to Update: 68	Next Scheduled EDR Contact: 11/20/2017
	Data Release Frequency: Semi-Annually

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.

Date of Government Version: N/A	Source: EDR, Inc.
Date Data Arrived at EDR: N/A	Telephone: N/A
Date Made Active in Reports: N/A	Last EDR Contact: N/A
Number of Days to Update: N/A	Next Scheduled EDR Contact: N/A
	Data Release Frequency: No Update Planned

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

EDR Hist Auto: EDR Exclusive Historic Gas 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	Source: EDR, Inc.
Date Data Arrived at EDR: N/A	Telephone: N/A
Date Made Active in Reports: N/A	Last EDR Contact: N/A
Number of Days to Update: N/A	Next Scheduled EDR Contact: N/A
	Data Release Frequency: Varies

EDR Hist Cleaner: EDR Exclusive Historic Dry 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	Source: EDR, Inc.
Date Data Arrived at EDR: N/A	Telephone: N/A
Date Made Active in Reports: N/A	Last EDR Contact: N/A
Number of Days to Update: 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 Health and Environmental Control in South Carolina.

Date of Government Version: N/A	Source: Department of Health and Environmental Control
Date Data Arrived at EDR: 07/01/2013	Telephone: N/A
Date Made Active in Reports: 01/03/2014	Last EDR Contact: 06/01/2012
Number of Days to Update: 186	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 Health and Environmental Control in South Carolina.

Date of Government Version: N/A	Source: Department of Health and Environmental Control
Date Data Arrived at EDR: 07/01/2013	Telephone: N/A
Date Made Active in Reports: 01/15/2014	Last EDR Contact: 06/01/2012
Number of Days to Update: 198	Next Scheduled EDR Contact: N/A
	Data Release Frequency: Varies

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 Health and Environmental Control in South Carolina.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: N/A
Date Data Arrived at EDR: 07/01/2013
Date Made Active in Reports: 01/03/2014
Number of Days to Update: 186

Source: Department of Health and Environmental Control
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: 07/30/2013
Date Data Arrived at EDR: 08/19/2013
Date Made Active in Reports: 10/03/2013
Number of Days to Update: 45

Source: Department of Energy & Environmental Protection
Telephone: 860-424-3375
Last EDR Contact: 08/18/2017
Next Scheduled EDR Contact: 11/27/2017
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: 10/05/2017
Next Scheduled EDR Contact: 01/22/2018
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: 07/31/2017
Date Data Arrived at EDR: 08/03/2017
Date Made Active in Reports: 10/12/2017
Number of Days to Update: 70

Source: Department of Environmental Conservation
Telephone: 518-402-8651
Last EDR Contact: 08/03/2017
Next Scheduled EDR Contact: 11/13/2017
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: 10/16/2017
Next Scheduled EDR Contact: 01/29/2018
Data Release Frequency: Annually

RI MANIFEST: Manifest information

Hazardous waste manifest information

Date of Government Version: 12/31/2013
Date Data Arrived at EDR: 06/19/2015
Date Made Active in Reports: 07/15/2015
Number of Days to Update: 26

Source: Department of Environmental Management
Telephone: 401-222-2797
Last EDR Contact: 08/21/2017
Next Scheduled EDR Contact: 12/04/2017
Data Release Frequency: Annually

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

WI MANIFEST: Manifest Information

Hazardous waste manifest information.

Date of Government Version: 12/31/2016

Date Data Arrived at EDR: 04/13/2017

Date Made Active in Reports: 07/14/2017

Number of Days to Update: 92

Source: Department of Natural Resources

Telephone: N/A

Last EDR Contact: 09/11/2017

Next Scheduled EDR Contact: 12/25/2017

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.

Daycare Centers: Child Day Care List

Source: Department of Social Services

Telephone: 803-898-7345

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

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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: Wetlands Inventory
Source: Department of Natural Resources
Telephone: 803-734-9494

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

STREET AND ADDRESS INFORMATION

© 2015 TomTom North America, Inc. All rights reserved. This material is proprietary and the subject of copyright protection and other intellectual property rights owned by or licensed to Tele Atlas North America, Inc. The use of this material is subject to the terms of a license agreement. You will be held liable for any unauthorized copying or disclosure of this material.

GEOCHECK[®] - PHYSICAL SETTING SOURCE ADDENDUM

TARGET PROPERTY ADDRESS

LAURENS COUNTY SITE 14 PARCEL 2
NOT REPORTED
GRAY COURT, SC 29645

TARGET PROPERTY COORDINATES

Latitude (North):	34.650284 - 34° 39' 1.02"
Longitude (West):	82.136316 - 82° 8' 10.74"
Universal Transverse Mercator:	Zone 17
UTM X (Meters):	395865.2
UTM Y (Meters):	3834652.8
Elevation:	778 ft. above sea level

USGS TOPOGRAPHIC MAP

Target Property Map:	6063769 FOUNTAIN INN, SC
Version Date:	2014
Northeast Map:	6063817 WOODRUFF, SC
Version Date:	2014

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).

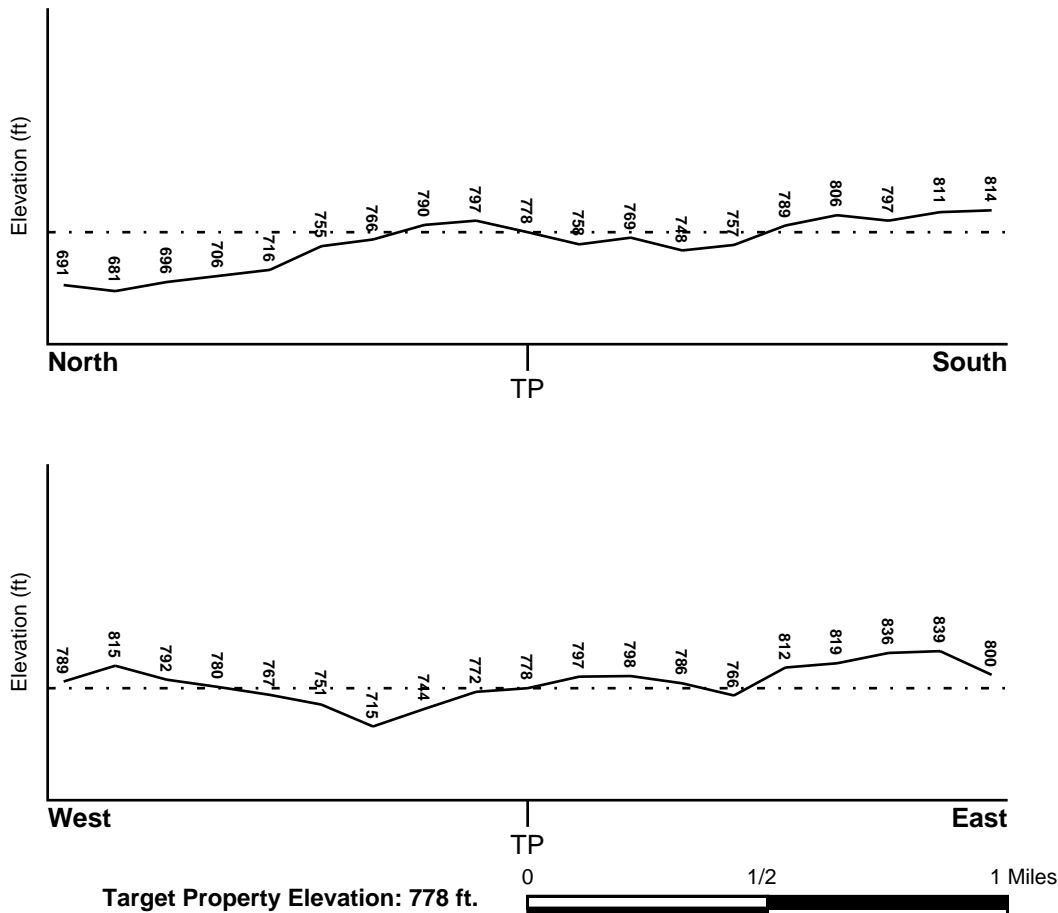
TOPOGRAPHIC INFORMATION

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 West

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>
45059C0075C	FEMA FIRM Flood data
<u>Additional Panels in search area:</u>	<u>FEMA Source Type</u>
45059C0100C	FEMA FIRM Flood data

NATIONAL WETLAND INVENTORY

<u>NWI Quad at Target Property</u>	<u>NWI Electronic Data Coverage</u>
FOUNTAIN INN	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</u>	<u>GENERAL DIRECTION</u>
Not Reported	<u>FROM TP</u>	<u>GROUNDWATER FLOW</u>

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

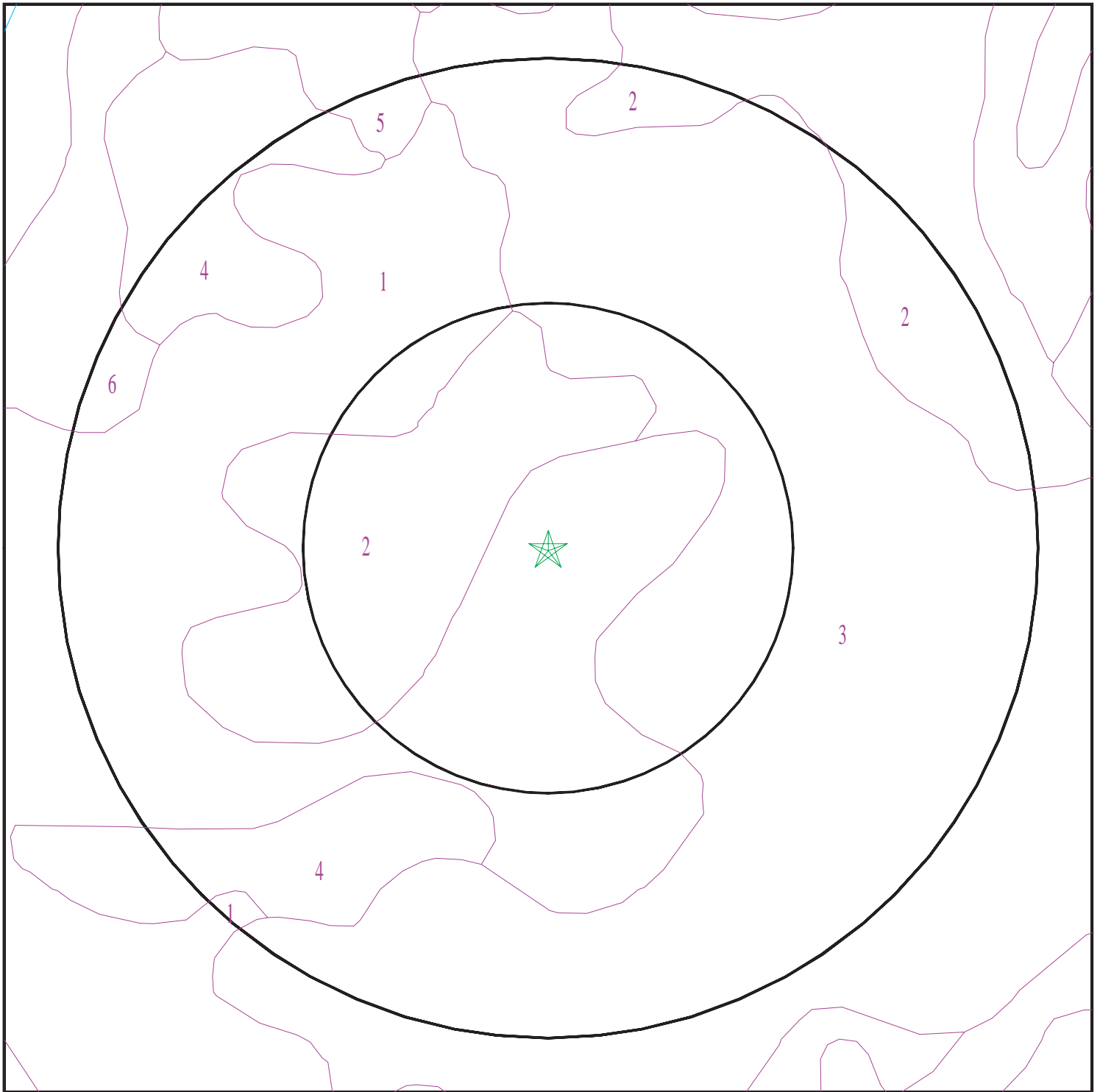
Era:	Paleozoic
System:	Devonian
Series:	Middle Paleozoic granitic rocks
Code:	Pzg2 (<i>decoded above as Era, System & Series</i>)

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 - 5085543.12s



- ★ Target Property
- SSURGO Soil
- Water

0 1/16 1/8 1/4 Miles



SITE NAME: Laurens County Site 14 Parcel 2
ADDRESS: Not Reported
Gray Court SC 29645
LAT/LONG: 34.650284 / 82.136316

CLIENT: Thomas & Hutton
CONTACT: Kate McCoy
INQUIRY #: 5085543.12s
DATE: October 24, 2017 8:59 am

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: CECIL

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: 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	5 inches	sandy loam	Not reported	Not reported	Max: 42 Min: 14	Max: 6.5 Min: 4.5
2	5 inches	79 inches		Not reported	Not reported	Max: 14 Min: 4	Max: 5.5 Min: 4.5

Soil Map ID: 2

Soil Component Name: CECIL

Soil Surface Texture: sandy clay 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

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

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	3 inches	sandy clay loam	Not reported	Not reported	Max: 14 Min: 4	Max: 6.5 Min: 4.5
2	3 inches	79 inches		Not reported	Not reported	Max: 14 Min: 4	Max: 5.5 Min: 4.5

Soil Map ID: 3

Soil Component Name: CECIL

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: 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	5 inches	sandy loam	Not reported	Not reported	Max: 42 Min: 14	Max: 6.5 Min: 4.5
2	5 inches	79 inches		Not reported	Not reported	Max: 14 Min: 4	Max: 5.5 Min: 4.5

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

Soil Map ID: 4

Soil Component Name: PACOLET

Soil Surface Texture: sandy clay 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: Unknown

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	5 inches	sandy clay loam	Not reported	Not reported	Max: 14 Min: 4	Max: 6.5 Min: 4.5
2	5 inches	26 inches		Not reported	Not reported	Max: 14 Min: 4	Max: 6 Min: 4.5
3	26 inches	53 inches		Not reported	Not reported	Max: 14 Min: 4	Max: 6 Min: 4.5

Soil Map ID: 5

Soil Component Name: CECIL

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: High

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

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		
1	0 inches	5 inches	sandy loam	Not reported	Not reported	Max: 42 Min: 14	Max: 6.5 Min: 4.5
2	5 inches	79 inches		Not reported	Not reported	Max: 14 Min: 4	Max: 5.5 Min: 4.5

Soil Map ID: 6

Soil Component Name: Madison

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: Unknown

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	5 inches	sandy loam	Not reported	Not reported	Max: 42 Min: 14	Max: 6.5 Min: 4.5
2	5 inches	38 inches		Not reported	Not reported	Max: 14 Min: 4	Max: 5.5 Min: 4.5
3	38 inches	53 inches		Not reported	Not reported	Max: 14 Min: 4	Max: 6 Min: 4.5

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.

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

WELL SEARCH DISTANCE INFORMATION

<u>DATABASE</u>	<u>SEARCH DISTANCE (miles)</u>
Federal USGS	1.000
Federal FRDS PWS	Nearest PWS within 0.001 miles
State Database	1.000

FEDERAL USGS WELL INFORMATION

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

FEDERAL FRDS PUBLIC WATER SUPPLY SYSTEM INFORMATION

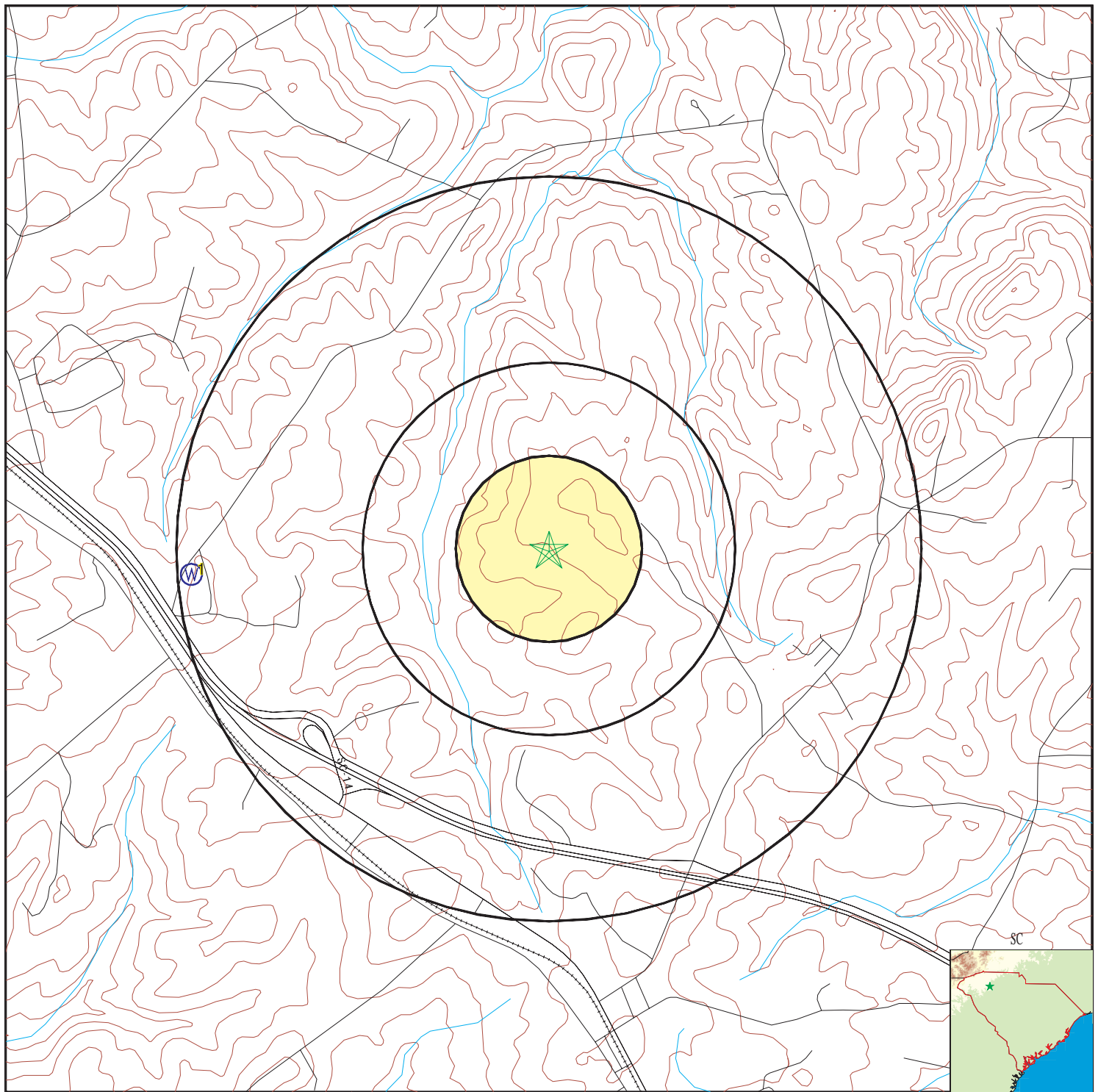
<u>MAP ID</u>	<u>WELL ID</u>	<u>LOCATION FROM TP</u>
No PWS System Found		

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>
1	SCP500000013394	1/2 - 1 Mile West

PHYSICAL SETTING SOURCE MAP - 5085543.12s



- County Boundary
- Major Roads
- Contour Lines
- Earthquake epicenter, Richter 5 or greater
- Water Wells
- Public Water Supply Wells
- Cluster of Multiple Icons
- Groundwater Flow Direction
- Indeterminate Groundwater Flow at Location
- Groundwater Flow Varies at Location

SITE NAME: Laurens County Site 14 Parcel 2
ADDRESS: Not Reported
Gray Court SC 29645
LAT/LONG: 34.650284 / 82.136316

CLIENT: Thomas & Hutton
CONTACT: Kate McCoy
INQUIRY #: 5085543.12s
DATE: October 24, 2017 8:58 am

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation

Database

EDR ID Number

1

West
1/2 - 1 Mile
Higher

SC WELLS

SCP500000013394

Fid:	13393	Scdnr new :	44H--f002
Scdnr old :	44H--f002	Scwrc:	44H--f002
Scwrc tran:	Not Reported	Scwrc orig:	Not Reported
Dhec permi:	Not Reported	Dhec const:	Not Reported
Dhec publi:	Not Reported	Dhec pub00:	Not Reported
Ownid:	Not Reported	Parcel id:	Not Reported
Urid:	Not Reported	Locat:	SE of Fountain Inn
Cono:	LRN-1970	Quad:	FOUNTAIN INN
Quadno:	94	Locataccur:	Delorme1
Lat:	343857	Lon:	820912
Utmn:	3834551		
Utme:	394304		
Drdpth:	49	Comdpth:	0
Elev:	0		
Elevr:	Not Reported	Topog:	Not Reported
Owner:	Ralph Calwile	Contact:	Not Reported
Address:	201 Fork Rd	City:	Fountain Inn
State:	SC	Zip:	29644
Phone:	864-862-5303	Aquifer:	Not Reported
Basin:	Not Reported	Wtruse:	DO
Sorctpt:	W	Yield:	0
Cons:	Not Reported	Wq:	Not Reported
Gl:	Not Reported	Pt:	Not Reported
Wl:	Not Reported	Pr:	Not Reported
Updated:	20031211000000.000	Ca:	Not Reported
Sc:	Not Reported	Pu:	Not Reported
Qm:	Not Reported	Cla:	Not Reported
Date print:	Not Reported	Site id:	SCP500000013394

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

RADON

AREA RADON INFORMATION

State Database: SC Radon

Radon Test Results

Zipcode	Average	Num Tests	Minimum	Maximum	% > 4 pCi/L
29645	2.3	22	0.3	13.8	4.5

Federal EPA Radon Zone for LAURENS County: 2

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

Federal Area Radon Information for Zip Code: 29645

Number of sites tested: 1

Area	Average Activity	% <4 pCi/L	% 4-20 pCi/L	% >20 pCi/L
Living Area - 1st Floor	2.100 pCi/L	100%	0%	0%
Living Area - 2nd Floor	Not Reported	Not Reported	Not Reported	Not Reported
Basement	Not Reported	Not Reported	Not Reported	Not Reported

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: Wetlands Inventory

Source: Department of Natural Resources

Telephone: 803-734-9494

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

Water Well Database

Source: Department of Natural Resources

Telephone: 803-734-6440

Water wells in the Coastal Plain counties of South Carolina

Water Well Database

Source: Department of Natural Resources

Telephone: 864-654-1671

A listing of water wells in the Piedmont (upstate) counties.

OTHER STATE DATABASE INFORMATION

RADON

State Database: SC Radon

Source: Department of Health & Environmental Control

Telephone: 864-241-1090

Radon Test Results by Zip Code

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.

EPA Radon Zones

Source: EPA

Telephone: 703-356-4020

Sections 307 & 309 of IRAA 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

PHYSICAL SETTING SOURCE RECORDS SEARCHED

STREET AND ADDRESS INFORMATION

© 2015 TomTom North America, Inc. All rights reserved. This material is proprietary and the subject of copyright protection and other intellectual property rights owned by or licensed to Tele Atlas North America, Inc. The use of this material is subject to the terms of a license agreement. You will be held liable for any unauthorized copying or disclosure of this material.



Laurens County Site 14 Parcel 2

Not Reported

Gray Court, SC 29645

Inquiry Number: 5085543.20

October 24, 2017

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

10/24/17

Site Name:

Laurens County Site 14 Parcel
Not Reported
Gray Court, SC 29645
EDR Inquiry # 5085543.20

Client Name:

Thomas & Hutton
P.O. Box 7608
Columbia, SC 29202
Contact: Kate Mccoy



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>
2011	1"=500'	Flight Year: 2011	USDA/NAIP
2009	1"=500'	Flight Year: 2009	USDA/NAIP
2006	1"=500'	Flight Year: 2006	USDA/NAIP
2005	1"=500'	Flight Year: 2005	USDA/NAIP
1999	1"=750'	Flight Date: March 07, 1999	USGS
1994	1"=500'	Acquisition Date: February 02, 1994	USGS/DOQQ
1989	1"=750'	Flight Date: March 19, 1989	USGS
1981	1"=500'	Flight Date: March 09, 1981	USDA
1978	1"=500'	Flight Date: March 22, 1978	USDA
1976	1"=500'	Flight Date: February 23, 1976	USGS
1964	1"=500'	Flight Date: October 06, 1964	USGS
1961	1"=500'	Flight Date: June 23, 1961	USGS
1951	1"=500'	Flight Date: May 14, 1951	USGS
1938	1"=500'	Flight Date: December 28, 1938	USDA

When delivered electronically by EDR, the aerial photo images included with this report are for ONE TIME USE ONLY. Further reproduction of these aerial photo images is prohibited without permission from EDR. For more information contact your EDR Account Executive.

Disclaimer - Copyright and Trademark Notice

This Report contains certain information obtained from a variety of public and other sources reasonably available to Environmental Data Resources, Inc. It cannot be concluded from this Report that coverage information for the target and surrounding properties does not exist from other sources. NO WARRANTY EXPRESSED OR IMPLIED, IS MADE WHATSOEVER IN CONNECTION WITH THIS REPORT. ENVIRONMENTAL DATA RESOURCES, INC. SPECIFICALLY DISCLAIMS THE MAKING OF ANY SUCH WARRANTIES, INCLUDING WITHOUT LIMITATION, MERCHANTABILITY OR FITNESS FOR A PARTICULAR USE OR PURPOSE. ALL RISK IS ASSUMED BY THE USER. IN NO EVENT SHALL ENVIRONMENTAL DATA RESOURCES, INC. BE LIABLE TO ANYONE, WHETHER ARISING OUT OF ERRORS OR OMISSIONS, NEGLIGENCE, ACCIDENT OR ANY OTHER CAUSE, FOR ANY LOSS OF DAMAGE, INCLUDING, WITHOUT LIMITATION, SPECIAL, INCIDENTAL, CONSEQUENTIAL, OR EXEMPLARY DAMAGES. ANY LIABILITY ON THE PART OF ENVIRONMENTAL DATA RESOURCES, INC. IS STRICTLY LIMITED TO A REFUND OF THE AMOUNT PAID FOR THIS REPORT. Purchaser accepts this Report "AS IS". Any analyses, estimates, ratings, environmental risk levels or risk codes provided in this Report are provided for illustrative purposes only, and are not intended to provide, nor should they be interpreted as providing any facts regarding, or prediction or forecast of, any environmental risk for any property. Only a Phase I Environmental Site Assessment performed by an environmental professional can provide information regarding the environmental risk for any property. Additionally, the information provided in this Report is not to be construed as legal advice.

Copyright 2017 by Environmental Data Resources, Inc. All rights reserved. Reproduction in any media or format, in whole or in part, of any report or map of Environmental Data Resources, Inc., or its affiliates, is prohibited without prior written permission.

EDR and its logos (including Sanborn and Sanborn Map) are trademarks of Environmental Data Resources, Inc. or its affiliates. All other trademarks used herein are the property of their respective owners.



INQUIRY #: 5085543.20

YEAR: 2011

— = 500'



Subject boundary not shown because it e



INQUIRY #: 5085543.20

YEAR: 2011

— = 500'



Subject boundary not shown because it e



INQUIRY #: 5085543.20

YEAR: 2009

— = 500'



Subject boundary not shown because it e



INQUIRY #: 5085543.20

YEAR: 2009

— = 500'



Subject boundary not shown because it is not visible



INQUIRY #: 5085543.20

YEAR: 2006

— = 500'



Subject boundary not shown because it e



INQUIRY #: 5085543.20

YEAR: 2006

— = 500'



Subject boundary not shown because it e



INQUIRY #: 5085543.20

YEAR: 2005

— = 500'



Subject boundary not shown because it e



INQUIRY #: 5085543.20

YEAR: 2005

500'



Subject boundary not shown because it is not visible in the image



INQUIRY #: 5085543.20

YEAR: 1999

— = 750'



Subject boundary not shown because it e



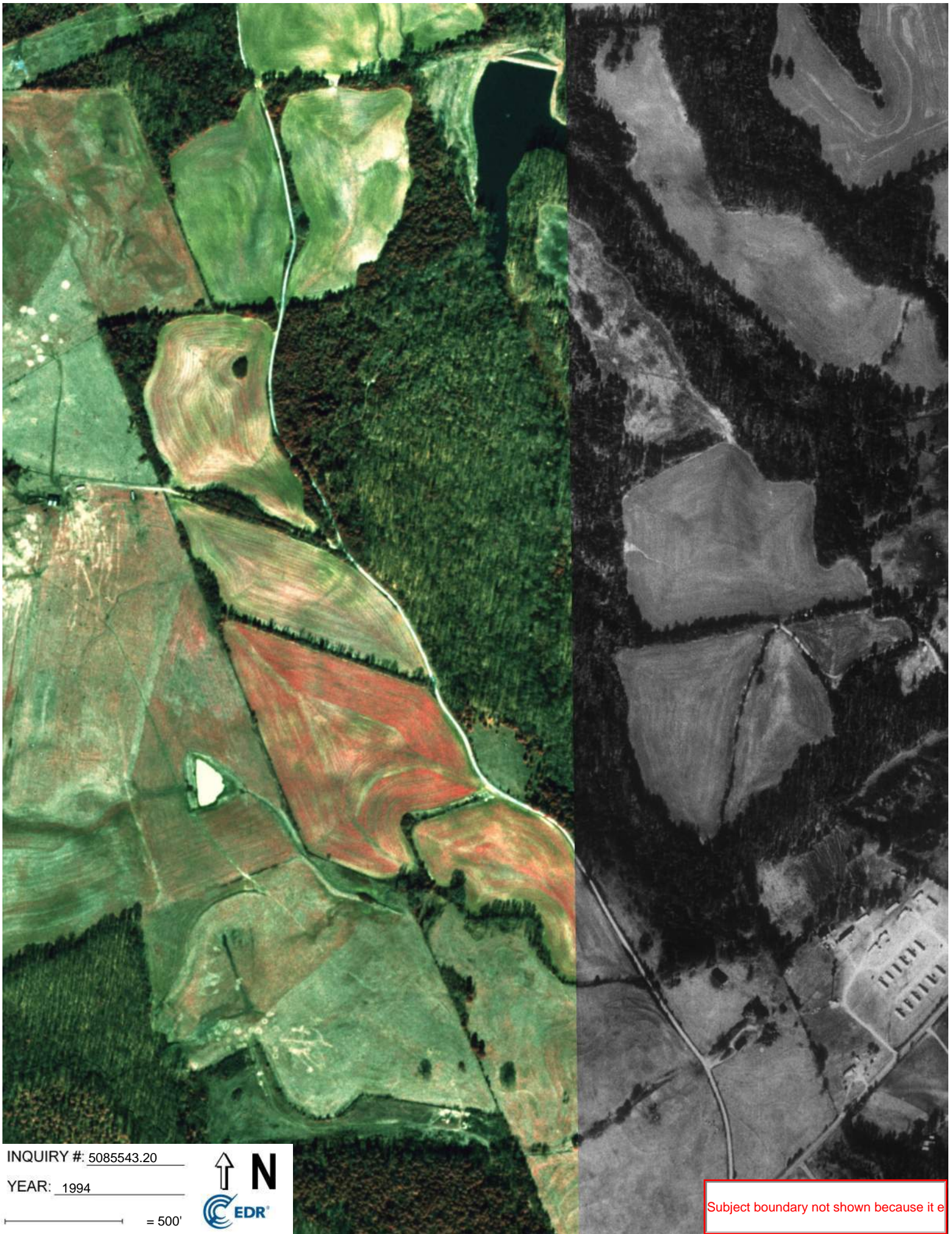
INQUIRY #: 5085543.20

YEAR: 1994

— = 500'



Subject boundary not shown because it e



INQUIRY #: 5085543.20

YEAR: 1994

— = 500'



Subject boundary not shown because it e



INQUIRY #: 5085543.20

YEAR: 1989

— = 750'



Subject boundary not shown because it e



INQUIRY #: 5085543.20

YEAR: 1981

— = 500'





INQUIRY #: 5085543.20

YEAR: 1978

— = 500'



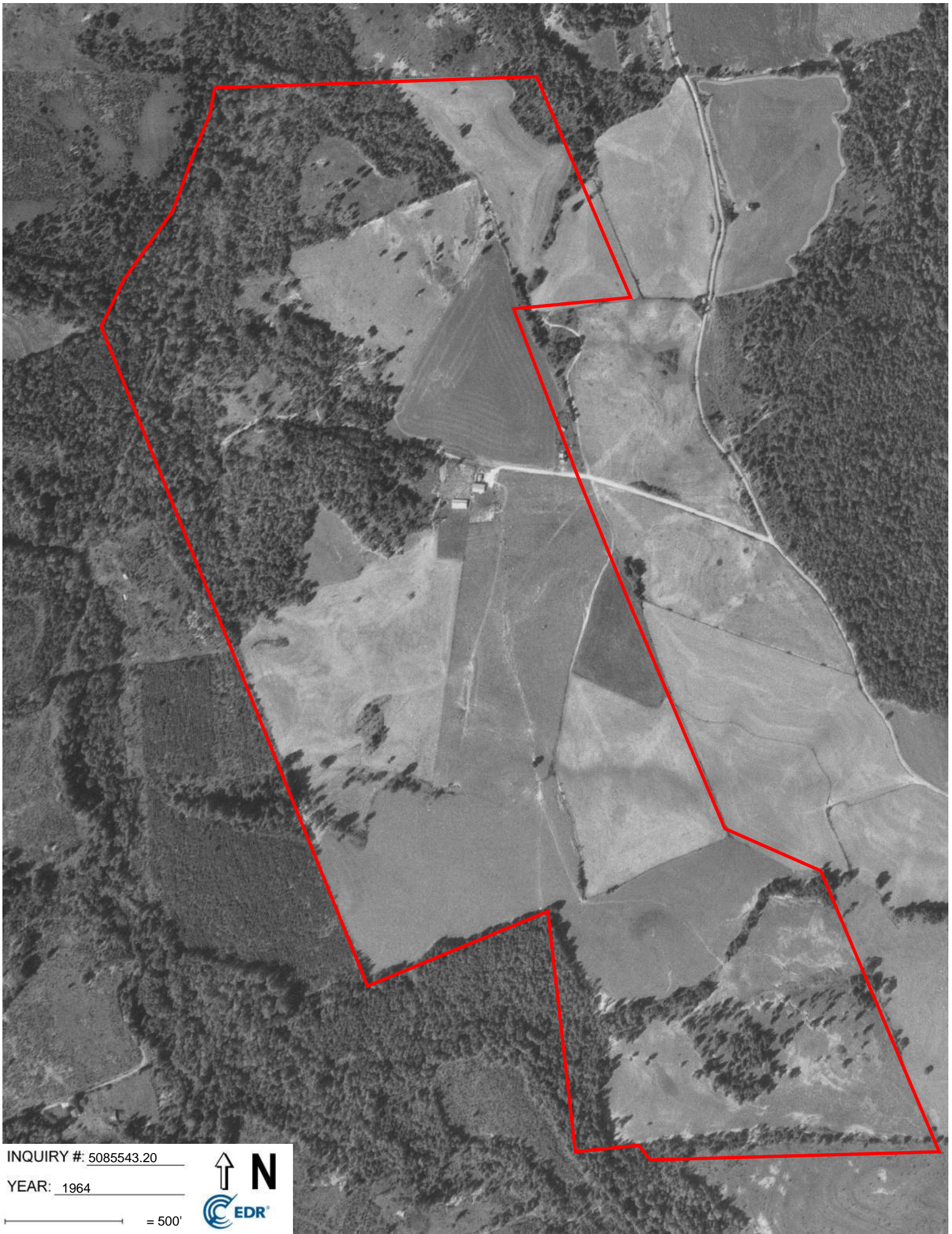


INQUIRY #: 5085543.20

YEAR: 1976

— = 500'





INQUIRY #: 5085543.20

YEAR: 1964

— = 500'





INQUIRY #: 5085543.20

YEAR: 1961

— = 500'





INQUIRY #: 5085543.20

YEAR: 1938

— = 500'





Laurens County Site 14 Parcel 2

Not Reported

Gray Court, SC 29645

Inquiry Number: 5085543.14

October 24, 2017

EDR Historical Topo Map Report

with QuadMatch™



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

EDR Historical Topo Map Report

10/24/17

Site Name:

Laurens County Site 14 Parcel
Not Reported
Gray Court, SC 29645
EDR Inquiry # 5085543.14

Client Name:

Thomas & Hutton
P.O. Box 7608
Columbia, SC 29202
Contact: Kate Mccoy



EDR Topographic Map Library has been searched by EDR and maps covering the target property location as provided by Thomas & Hutton were identified for the years listed below. EDR's Historical Topo Map Report is designed to assist professionals in evaluating potential liability on a target property resulting from past activities. EDR's Historical Topo Map Report includes a search of a collection of public and private color historical topographic maps, dating back to the late 1800s.

Search Results:**Coordinates:**

P.O.#	26942.0000	Latitude:	34.650284 34° 39' 1" North
Project:	Laurens County Site 14-2	Longitude:	-82.136316 -82° 8' 11" West
		UTM Zone:	Zone 17 North
		UTM X Meters:	395867.63
		UTM Y Meters:	3834849.15
		Elevation:	778.79' above sea level

Maps Provided:

2014
1983
1957

Disclaimer - Copyright and Trademark Notice

This Report contains certain information obtained from a variety of public and other sources reasonably available to Environmental Data Resources, Inc. It cannot be concluded from this Report that coverage information for the target and surrounding properties does not exist from other sources. NO WARRANTY EXPRESSED OR IMPLIED, IS MADE WHATSOEVER IN CONNECTION WITH THIS REPORT. ENVIRONMENTAL DATA RESOURCES, INC. SPECIFICALLY DISCLAIMS THE MAKING OF ANY SUCH WARRANTIES, INCLUDING WITHOUT LIMITATION, MERCHANTABILITY OR FITNESS FOR A PARTICULAR USE OR PURPOSE. ALL RISK IS ASSUMED BY THE USER. IN NO EVENT SHALL ENVIRONMENTAL DATA RESOURCES, INC. BE LIABLE TO ANYONE, WHETHER ARISING OUT OF ERRORS OR OMISSIONS, NEGLIGENCE, ACCIDENT OR ANY OTHER CAUSE, FOR ANY LOSS OF DAMAGE, INCLUDING, WITHOUT LIMITATION, SPECIAL, INCIDENTAL, CONSEQUENTIAL, OR EXEMPLARY DAMAGES. ANY LIABILITY ON THE PART OF ENVIRONMENTAL DATA RESOURCES, INC. IS STRICTLY LIMITED TO A REFUND OF THE AMOUNT PAID FOR THIS REPORT. Purchaser accepts this Report "AS IS". Any analyses, estimates, ratings, environmental risk levels or risk codes provided in this Report are provided for illustrative purposes only, and are not intended to provide, nor should they be interpreted as providing any facts regarding, or prediction or forecast of, any environmental risk for any property. Only a Phase I Environmental Site Assessment performed by an environmental professional can provide information regarding the environmental risk for any property. Additionally, the information provided in this Report is not to be construed as legal advice.

Copyright 2017 by Environmental Data Resources, Inc. All rights reserved. Reproduction in any media or format, in whole or in part, of any report or map of Environmental Data Resources, Inc., or its affiliates, is prohibited without prior written permission.

EDR and its logos (including Sanborn and Sanborn Map) are trademarks of Environmental Data Resources, Inc. or its affiliates. All other trademarks used herein are the property of their respective owners.

Topo Sheet Key

This EDR Topo Map Report is based upon the following USGS topographic map sheets.

2014 Source Sheets



Fountain Inn
2014
7.5-minute, 24000



Woodruff
2014
7.5-minute, 24000

1983 Source Sheets



Woodruff
1983
7.5-minute, 24000
Aerial Photo Revised 1976

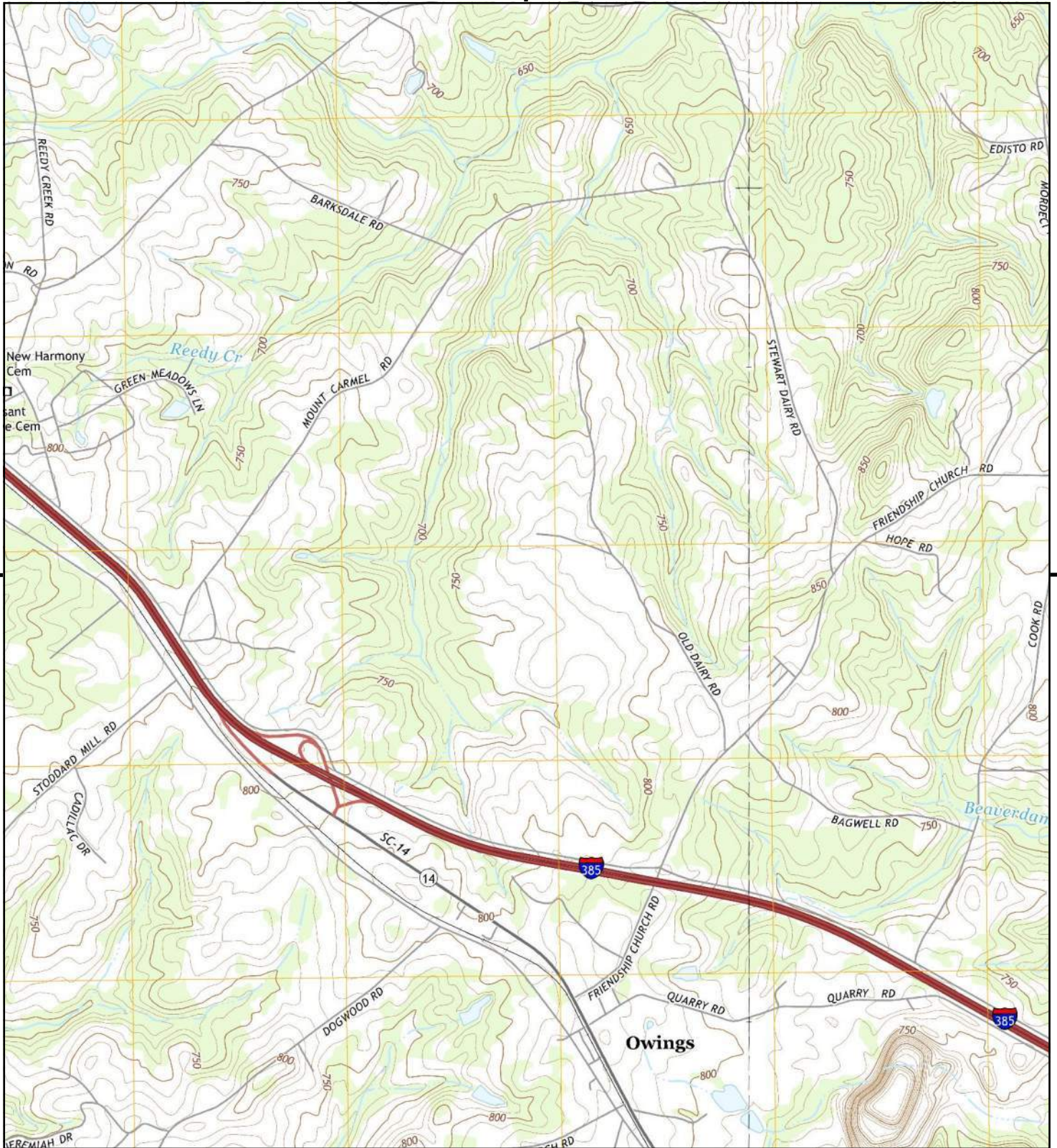


Fountain Inn
1983
7.5-minute, 24000
Aerial Photo Revised 1976

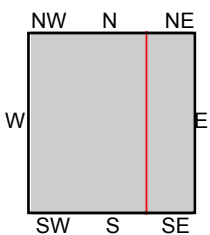
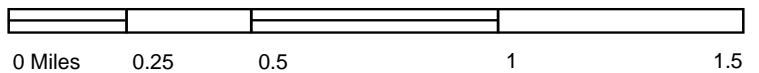
1957 Source Sheets



Fountain Inn
1957
15-minute, 62500
Aerial Photo Revised 1956



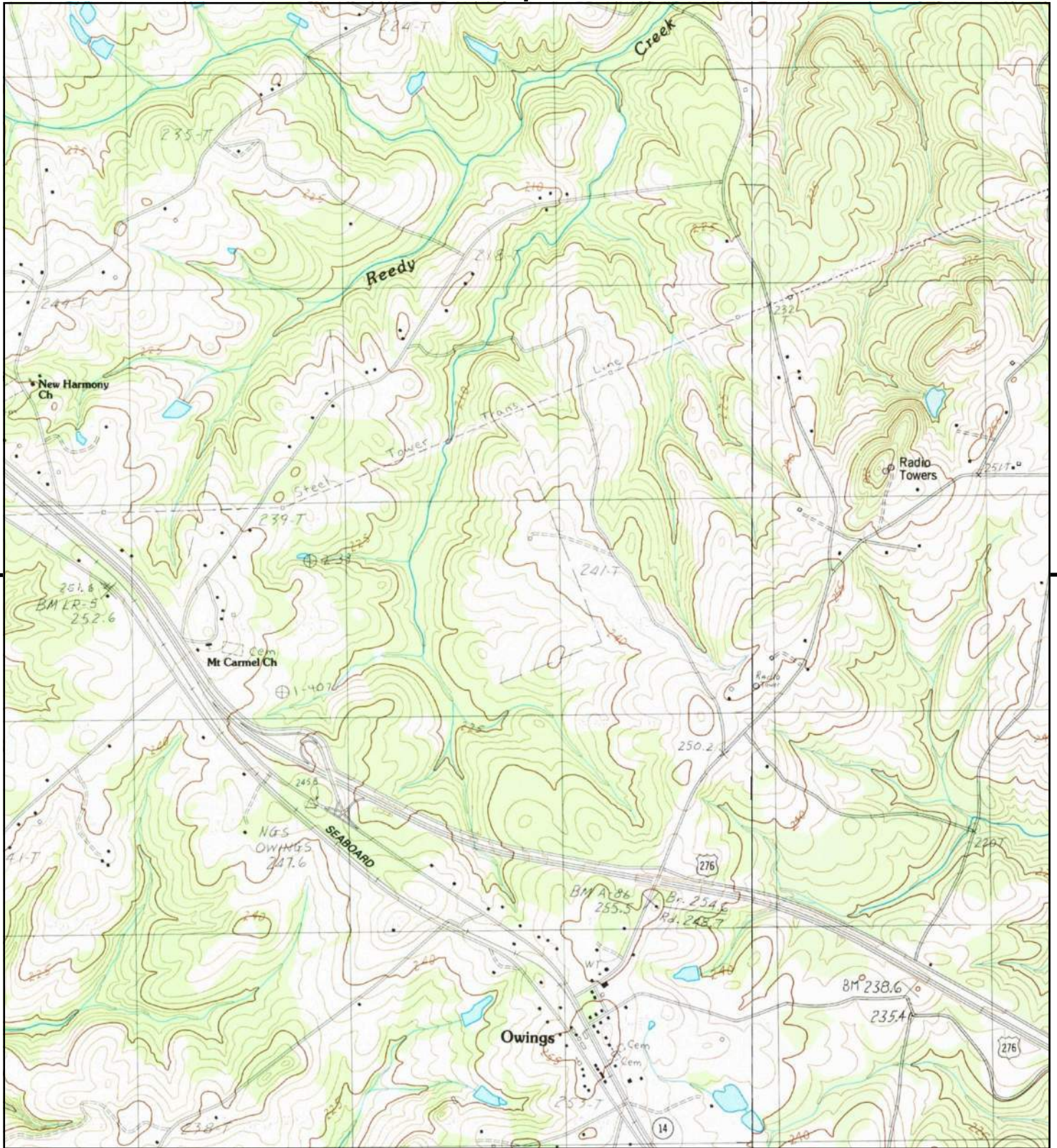
This report includes information from the following map sheet(s).



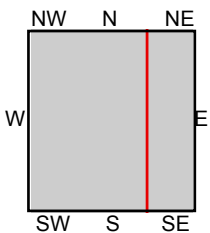
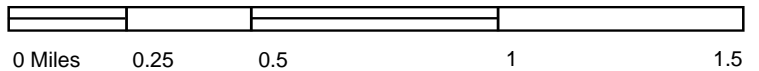
TP, Fountain Inn, 2014, 7.5-minute
NE, Woodruff, 2014, 7.5-minute

SITE NAME: Laurens County Site 14 Parcel 2
ADDRESS: Not Reported
Gray Court, SC 29645
CLIENT: Thomas & Hutton





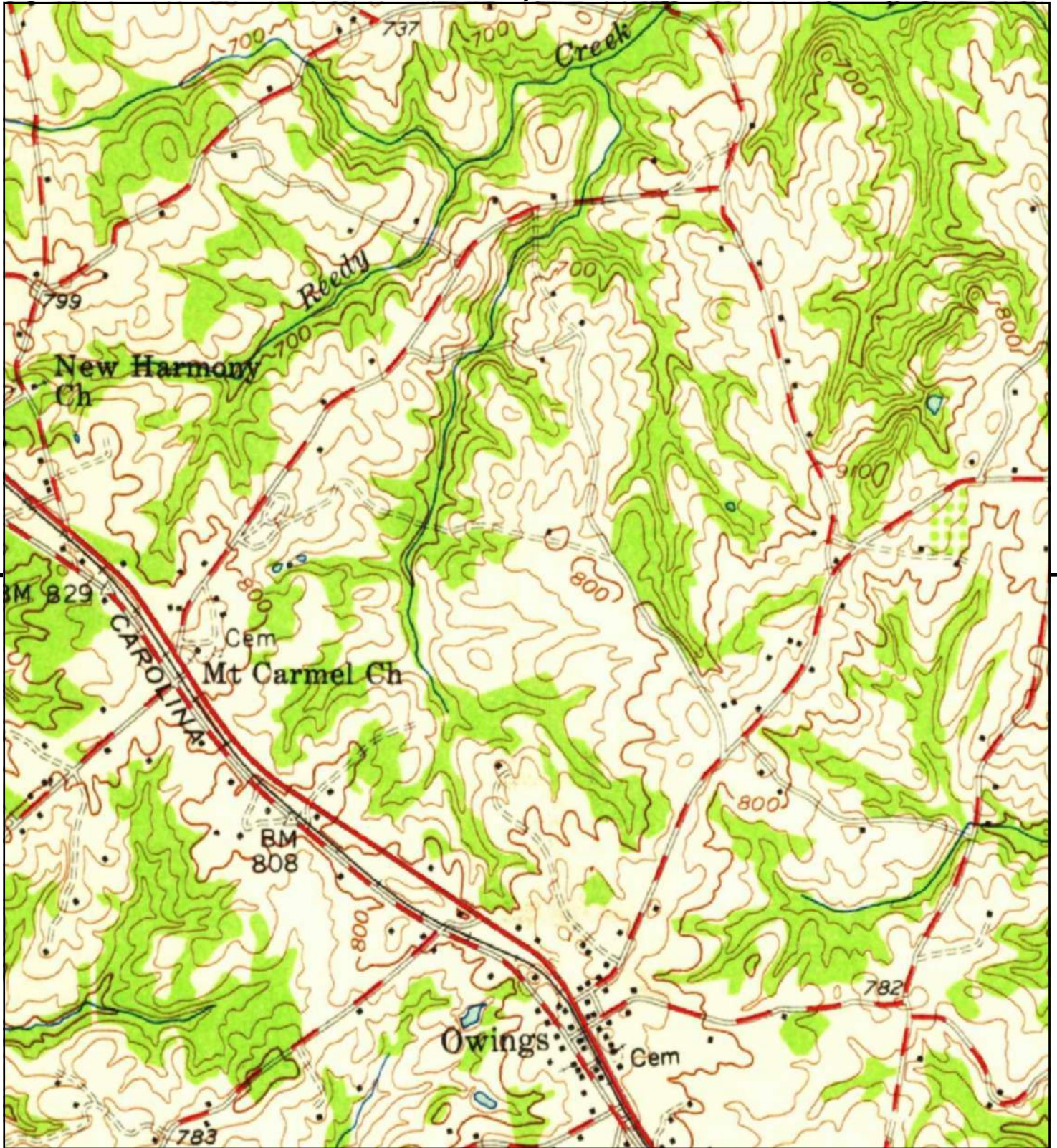
This report includes information from the following map sheet(s).



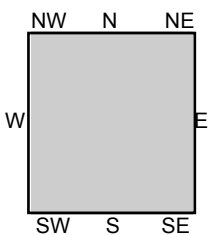
TP, Fountain Inn, 1983, 7.5-minute
NE, Woodruff, 1983, 7.5-minute

SITE NAME: Laurens County Site 14 Parcel 2
ADDRESS: Not Reported
Gray Court, SC 29645
CLIENT: Thomas & Hutton





This report includes information from the following map sheet(s).



TP, Fountain Inn, 1957, 15-minute

SITE NAME: Laurens County Site 14 Parcel 2
ADDRESS: Not Reported
Gray Court, SC 29645
CLIENT: Thomas & Hutton





Laurens County Site 14 Parcel 2

Not Reported

Gray Court, SC 29645

Inquiry Number: 5085543.13

October 24, 2017

Certified Sanborn® Map Report



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

Certified Sanborn® Map Report

10/24/17

Site Name:

Laurens County Site 14 Parcel
Not Reported
Gray Court, SC 29645
EDR Inquiry # 5085543.13

Client Name:

Thomas & Hutton
P.O. Box 7608
Columbia, SC 29202
Contact: Kate Mccoy



The Sanborn Library has been searched by EDR and maps covering the target property location as provided by Thomas & Hutton 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 # D88C-4B19-9BD4
PO # 26942.0000
Project Laurens County Site 14-2

UNMAPED 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 #: D88C-4B19-9BD4

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™

Limited Permission To Make Copies

Thomas & Hutton (the client) is permitted to make up to FIVE photocopies of this Sanborn Map transmittal and each fire insurance map accompanying this report solely for the limited use of its customer. No one other than the client is authorized to make copies. Upon request made directly to an EDR Account Executive, the client may be permitted to make a limited number of additional photocopies. This permission is conditioned upon compliance by the client, its customer and their agents with EDR's copyright policy; a copy of which is available upon request.

Disclaimer - Copyright and Trademark Notice

This Report contains certain information obtained from a variety of public and other sources reasonably available to Environmental Data Resources, Inc. It cannot be concluded from this Report that coverage information for the target and surrounding properties does not exist from other sources. NO WARRANTY EXPRESSED OR IMPLIED, IS MADE WHATSOEVER IN CONNECTION WITH THIS REPORT. ENVIRONMENTAL DATA RESOURCES, INC. SPECIFICALLY DISCLAIMS THE MAKING OF ANY SUCH WARRANTIES, INCLUDING WITHOUT LIMITATION, MERCHANTABILITY OR FITNESS FOR A PARTICULAR USE OR PURPOSE. ALL RISK IS ASSUMED BY THE USER. IN NO EVENT SHALL ENVIRONMENTAL DATA RESOURCES, INC. BE LIABLE TO ANYONE, WHETHER ARISING OUT OF ERRORS OR OMISSIONS, NEGLIGENCE, ACCIDENT OR ANY OTHER CAUSE, FOR ANY LOSS OF DAMAGE, INCLUDING, WITHOUT LIMITATION, SPECIAL, INCIDENTAL, CONSEQUENTIAL, OR EXEMPLARY DAMAGES. ANY LIABILITY ON THE PART OF ENVIRONMENTAL DATA RESOURCES, INC. IS STRICTLY LIMITED TO A REFUND OF THE AMOUNT PAID FOR THIS REPORT. Purchaser accepts this Report "AS IS". Any analyses, estimates, ratings, environmental risk levels or risk codes provided in this Report are provided for illustrative purposes only, and are not intended to provide, nor should they be interpreted as providing any facts regarding, or prediction or forecast of, any environmental risk for any property. Only a Phase I Environmental Site Assessment performed by an environmental professional can provide information regarding the environmental risk for any property. Additionally, the information provided in this Report is not to be construed as legal advice. Copyright 2017 by Environmental Data Resources, Inc. All rights reserved. Reproduction in any media or format, in whole or in part, of any report or map of Environmental Data Resources, Inc., or its affiliates, is prohibited without prior written permission.

EDR and its logos (including Sanborn and Sanborn Map) are trademarks of Environmental Data Resources, Inc. or its affiliates. All other trademarks used herein are the property of their respective owners.



Laurens County Site 14 Parcel 2

Not Reported
Gray Court, SC 29645

Inquiry Number: 5085543.15
October 26, 2017

The EDR-City Directory Image Report

TABLE OF CONTENTS

SECTION

Executive Summary

Findings

City Directory Images

Thank you for your business.

Please contact EDR at 1-800-352-0050
with any questions or comments.

Disclaimer - Copyright and Trademark Notice

This Report contains certain information obtained from a variety of public and other sources reasonably available to Environmental Data Resources, Inc. It cannot be concluded from this Report that coverage information for the target and surrounding properties does not exist from other sources. **NO WARRANTY EXPRESSED OR IMPLIED, IS MADE WHATSOEVER IN CONNECTION WITH THIS REPORT. ENVIRONMENTAL DATA RESOURCES, INC. SPECIFICALLY DISCLAIMS THE MAKING OF ANY SUCH WARRANTIES, INCLUDING WITHOUT LIMITATION, MERCHANTABILITY OR FITNESS FOR A PARTICULAR USE OR PURPOSE. ALL RISK IS ASSUMED BY THE USER. IN NO EVENT SHALL ENVIRONMENTAL DATA RESOURCES, INC. BE LIABLE TO ANYONE, WHETHER ARISING OUT OF ERRORS OR OMISSIONS, NEGLIGENCE, ACCIDENT OR ANY OTHER CAUSE, FOR ANY LOSS OR DAMAGE, INCLUDING, WITHOUT LIMITATION, SPECIAL, INCIDENTAL, CONSEQUENTIAL, OR EXEMPLARY DAMAGES. ANY LIABILITY ON THE PART OF ENVIRONMENTAL DATA RESOURCES, INC. IS STRICTLY LIMITED TO A REFUND OF THE AMOUNT PAID FOR THIS REPORT.** Purchaser accepts this Report "AS IS". Any analyses, estimates, ratings, environmental risk levels or risk codes provided in this Report are provided for illustrative purposes only, and are not intended to provide, nor should they be interpreted as providing any facts regarding, or prediction or forecast of, any environmental risk for any property. Only a Phase I Environmental Site Assessment performed by an environmental professional can provide information regarding the environmental risk for any property. Additionally, the information provided in this Report is not to be construed as legal advice.

Copyright 2017 by Environmental Data Resources, Inc. All rights reserved. Reproduction in any media or format, in whole or in part, of any report or map of Environmental Data Resources, Inc. or its affiliates is prohibited without prior written permission.

EDR and its logos (including Sanborn and Sanborn Map) are trademarks of Environmental Data Resources, Inc. or its affiliates. All other trademarks used herein are the property of their respective owners.

EXECUTIVE SUMMARY

DESCRIPTION

Environmental Data Resources, Inc.'s (EDR) City Directory Report is a screening tool designed to assist environmental professionals in evaluating potential liability on a target property resulting from past activities. EDR's City Directory Report includes a search of available city directory data at 5 year intervals.

RECORD SOURCES

EDR's Digital Archive combines historical directory listings from sources such as Cole Information and Dun & Bradstreet. These standard sources of property information complement and enhance each other to provide a more comprehensive report.

EDR is licensed to reproduce certain City Directory works by the copyright holders of those works. The purchaser of this EDR City Directory Report may include it in report(s) delivered to a customer. Reproduction of City Directories without permission of the publisher or licensed vendor may be a violation of copyright.

Data by

infoUSA[®]

Copyright©2008
All Rights Reserved

RESEARCH SUMMARY

The following research sources were consulted in the preparation of this report. A check mark indicates where information was identified in the source and provided in this report.

<u>Year</u>	<u>Target Street</u>	<u>Cross Street</u>	<u>Source</u>
2014	<input type="checkbox"/>	<input checked="" type="checkbox"/>	EDR Digital Archive
2010	<input type="checkbox"/>	<input checked="" type="checkbox"/>	EDR Digital Archive
2005	<input type="checkbox"/>	<input checked="" type="checkbox"/>	EDR Digital Archive
2000	<input type="checkbox"/>	<input checked="" type="checkbox"/>	EDR Digital Archive
1995	<input type="checkbox"/>	<input checked="" type="checkbox"/>	EDR Digital Archive
1992	<input type="checkbox"/>	<input checked="" type="checkbox"/>	EDR Digital Archive
1987	<input type="checkbox"/>	<input type="checkbox"/>	EDR Digital Archive
1982	<input type="checkbox"/>	<input type="checkbox"/>	EDR Digital Archive
1977	<input type="checkbox"/>	<input type="checkbox"/>	EDR Digital Archive

FINDINGS

TARGET PROPERTY STREET

Not Reported
Gray Court, SC 29645

No Addresses Found

FINDINGS

CROSS STREETS

<u>Year</u>	<u>CD Image</u>	<u>Source</u>
-------------	-----------------	---------------

FRIENDSHIP CHURCH RD

2014	pg. A1	EDR Digital Archive	
2010	pg. A2	EDR Digital Archive	
2005	pg. A3	EDR Digital Archive	
2000	pg. A4	EDR Digital Archive	
1995	pg. A5	EDR Digital Archive	
1992	pg. A6	EDR Digital Archive	
1987	-	EDR Digital Archive	Target and Adjoining not listed in Source
1982	-	EDR Digital Archive	Target and Adjoining not listed in Source
1977	-	EDR Digital Archive	Target and Adjoining not listed in Source

OLD DAIRY RD

2014	-	EDR Digital Archive	Target and Adjoining not listed in Source
2010	-	EDR Digital Archive	Target and Adjoining not listed in Source
2005	-	EDR Digital Archive	Target and Adjoining not listed in Source
2000	-	EDR Digital Archive	Target and Adjoining not listed in Source
1995	-	EDR Digital Archive	Target and Adjoining not listed in Source
1992	-	EDR Digital Archive	Target and Adjoining not listed in Source
1987	-	EDR Digital Archive	Target and Adjoining not listed in Source
1982	-	EDR Digital Archive	Target and Adjoining not listed in Source
1977	-	EDR Digital Archive	Target and Adjoining not listed in Source

City Directory Images

FRIENDSHIP CHURCH RD 2014

199	TUCKER, TAMMY
220	COOK, JAMES C
222	OCCUPANT UNKNOWN,
230	WATKINS, BRIAN K
289	COKER, DONALD N
352	SEXTON, COURTNEY
392	WATKINS, BRIAN K
611	OCCUPANT UNKNOWN,
725	ALIANZA STAFFING
	HERR HOLDINGS - CFI INC
1089	OCCUPANT UNKNOWN,
1090	BALDWIN, JOHN D
1105	SHUMAN, ASHLEY L
1170	BALDWIN, DARRELL D
	CALADONIA INVESTMENTS
1413	MANLEY, BILLY J
1689	KNIGHT, BOBBY S
1748	KNIGHT, LAURA B
1749	SHOEMAKER, JAMES E
1823	ATWOOD RS & SS
	ATWOOD, STEVE T
	RSA WELDING
1901	CHAPPELEAR, LARRY M
1929	HUNT, ROBERT B
1999	RODDY, DONALD E
2072	FAULKNER, JAMES A
2073	THOMPSON, CECIL R
2130	TROTTER, MILTON
2131	OCCUPANT UNKNOWN,
2275	COOK, DONALD S
2302	ELLIS, STEPHEN T
2339	COOK, CARROLL
2376	SEXTON, COURTNEY
2458	COOK, OTIS C
2537	SHUMAN, STEPHEN E
2596	OCCUPANT UNKNOWN,
2728	HOGG, JOHN D
2902	OCCUPANT UNKNOWN,
2946	SMITH, JOE W
2985	VAUGHN, JO A
3214	PACE CHARLES J
	PACE, CHARLES J
3331	COOK, MARCUS E
3436	FRIENDSHIP BAPTIST CHURCH

FRIENDSHIP CHURCH RD 2010

220	COOK, JAMES C
230	WATKINS, BRIAN K
289	COKER, DONALD N
352	SEXTON, COURTNEY
390	HOWARD, MELISSA E
720	KNIGHT, BOBBY
725	ALDRICH, GEOFF L
	ALIANZA STAFFING
	COUNTRY FRESH INC
1090	BALDWIN, JOHN D
1105	SHUMAN, ASHLEY L
1170	BALDWIN, DARRELL D
1748	KNIGHT, LAURA B
1823	ATWOOD RS & SS
	ATWOOD, STEVE T
1901	CHAPPELEAR, LARRY M
1929	HITCHCOCK, STACY L
1999	RODDY, ED
2072	FAULKNER, JAMES A
2073	THOMPSON, DAVID E
2131	TROTTER, MILTON
2275	COOK, DONALD S
2339	COOK, THOMAS C
2376	SEXTON, RALPH H
2458	COOK, OTIS C
2537	SHUMAN, STEPHEN E
2728	HOGG, JOHN D
2946	SMITH, JOE W
2985	NABORS, L
3214	PACE CHARLES J
	PACE, CHARLES J
3436	FRIENDSHIP BAPTIST CHURCH

FRIENDSHIP CHURCH RD 2005

222	COOK, JAMES C
289	COKER, DONALD N
390	HOWARD, MELISSA E
392	BOWYER, SUSAN N
625	MCDOWELL, FRANKLIN A
717	KNIGHT, BOBBY
812	PRICE, KENNETH G
839	BOMAR, WILLIAM E
1090	BALDWIN, JOHN D
1170	BALDWIN, DARRELL D
1180	HOGG, JOHN D
1689	KNIGHT, BOBBY S
1748	KNIGHT, LAURA B
1999	RODDY, ED
2072	FAULKNER, JAMES A
2073	THOMPSON, DAVID E
2130	ACKERMAN, AGNES M
2339	COOK, THOMAS C
2376	SEXTON, RALPH H
2458	COOK, OTIS C
2537	SHUMAN, STEPHEN E
2596	TIMMONS, RITA V
2902	SMITH, MICHAEL W
2946	SMITH, JOE
3214	PACE, CHARLES J
3331	COOK, MARCUS E
3463	FRIENDSHIP BAPTIST CHURCH

FRIENDSHIP CHURCH RD 2000

201	GAULT, MARY F
220	COOK, JAMES C
230	WATKINS, BRIAN
625	MANGLE, RALPH
660	BALDWIN, DARRELL D
720	KNIGHT, LAURA B
812	PRICE, KENNETH
825	RODDY, ED
915	COOK, T C
1105	SHUMAN, STEPHEN E
1204	SMITH, MICHAEL W
1413	MANLEY, W J
2376	SEXTON, RALPH H
2946	SMITH, JOE
3214	FARRY, JOE
3463	FRIENDSHIP BAPTIST CHURCH

FRIENDSHIP CHURCH RD 1995

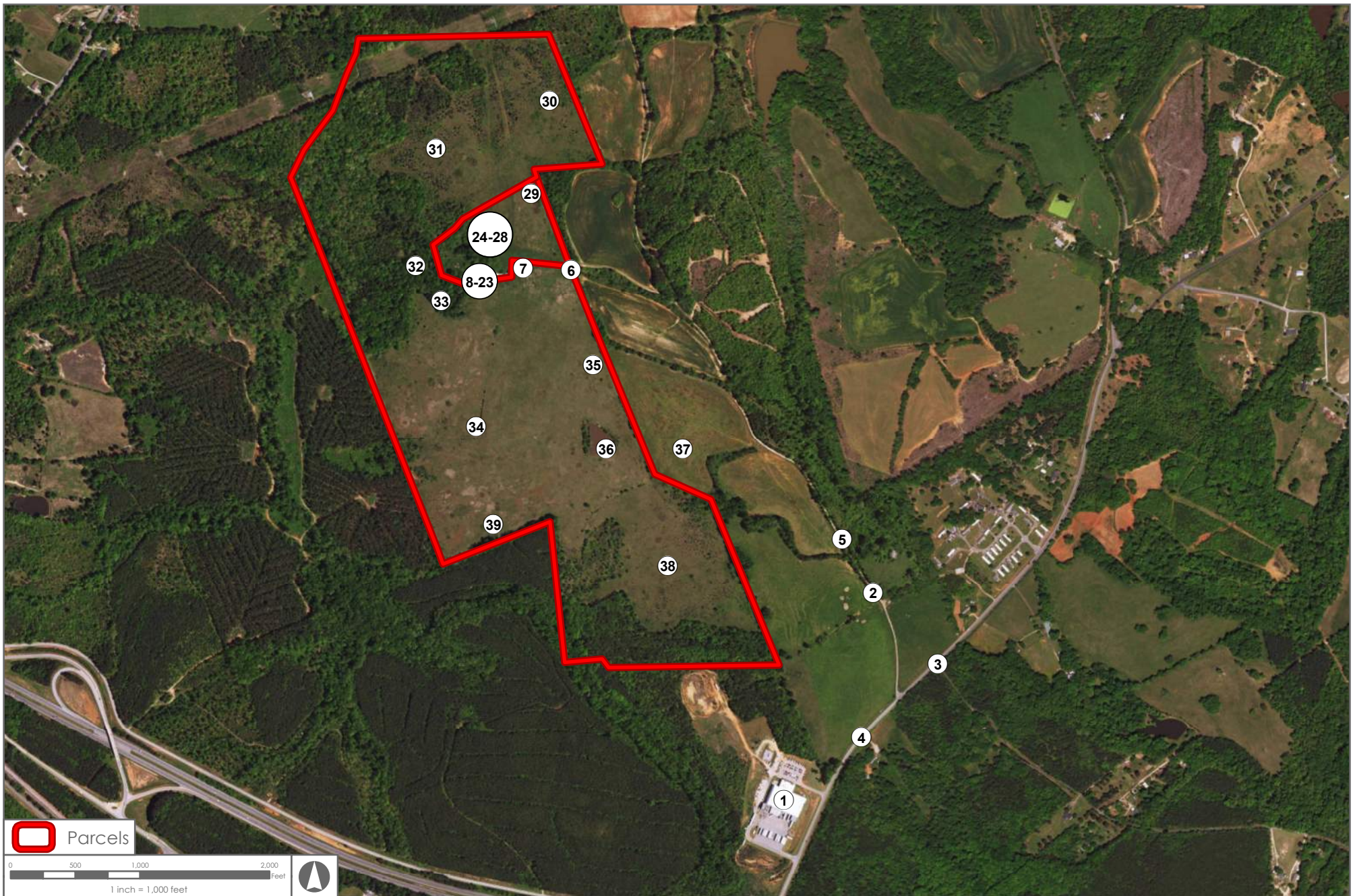
660 BALDWIN, DARRELL D
910 KELLY, TIM G

FRIENDSHIP CHURCH RD 1992

660	BALDWIN DARRELL D BALDWIN, DARRELL D
825	COOPER, BARBARA T
910	ABLES, DALE W
913	COOK, DONALD S

Appendix C

Photographs 1 through 39



 Parcels

0 500 1,000 2,000 Feet		
1 inch = 1,000 feet		
Job Num: 26942.0000	Produced: 10/30/2017	Produced By: MAD
File: Z:\26942\26942.0000\GIS\Mxd\Site 2\Photolog_Site2_2017_Left1.mxd	Modified: 11/3/2017	Modified By:
Thomas & Hutton compiled the map information from the following sources:		Vertical Datum:
Data	Source	Date
Base map	ESRI	2015

DISCLAIMER
Where Thomas & Hutton is cited as the data source, the firm has created or verified the data. For all other sources cited, Thomas & Hutton used the data "as is," has made no independent investigation of the data, and makes no representation as to the accuracy or completeness of the data. Please see each source for available documentation of its respective datasets.
Copyright © 2015 by Thomas & Hutton
No part of this document may be reproduced without written permission from an officer of Thomas & Hutton.

Laurens Site 14 Parcel 2

Laurens County, South Carolina

Photo Log



1501 MAIN STREET • SUITE 760
COLUMBIA, SC 29201 • 803.451.6789
WWW.THOMASANDHUTTON.COM

GEOGRAPHIC INFORMATION SYSTEMS

COPYRIGHT © 2017 THOMAS & HUTTON

CLIENT: Laurens County Development Corporation	SITE NAME: Laurens County Site 14 - Parcel 2
PROJECT #: 26942.0000	SITE LOCATION: Gray Court, SC
PHOTOGRAPH #: 1	
PHOTOGRAPHER: Kate McCoy	
DATE: October 26, 2017	
DIRECTION: West	
COMMENT: Industrial property located on Friendship Church Road.	

CLIENT: Laurens County Development Corporation	SITE NAME: Laurens County Site 14 - Parcel 2
PROJECT #: 26942.0000	SITE LOCATION: Gray Court, SC
PHOTOGRAPH #: 2	
PHOTOGRAPHER: Kate McCoy	
DATE: October 26, 2017	
DIRECTION: Northwest	
COMMENT: Locked gate to subject property.	

Environmental Site Assessment
 Laurens County Development Corporation – Laurens County Site 14 – Parcel 2
 Gray Court, Laurens County, SC

November 2017



T&H J – 26942.0000

CLIENT: Laurens County Development Corporation	SITE NAME: Laurens County Site 14 - Parcel 2
PROJECT #: 26942.0000	SITE LOCATION: Gray Court, SC
PHOTOGRAPH #: 3	
PHOTOGRAPHER: Kate McCoy	
DATE: October 26, 2017	
DIRECTION: Northeast	
COMMENT: Friendship Church Road.	

CLIENT: Laurens County Development Corporation	SITE NAME: Laurens County Site 14 - Parcel 2
PROJECT #: 26942.0000	SITE LOCATION: Gray Court, SC
PHOTOGRAPH #: 4	
PHOTOGRAPHER: Kate McCoy	
DATE: October 26, 2017	
DIRECTION: Southwest	
COMMENT: Friendship Church Road.	


Environmental Site Assessment
Laurens County Development Corporation – Laurens County Site 14 – Parcel 2
Gray Court, Laurens County, SC



November 2017

T&H J – 26942.0000

CLIENT: Laurens County Development Corporation	SITE NAME: Laurens County Site 14 - Parcel 2
PROJECT #: 26942.0000	SITE LOCATION: Gray Court, SC
PHOTOGRAPH #: 5	
PHOTOGRAPHER: Kate McCoy	
DATE: October 26, 2017	
DIRECTION: Northwest	
COMMENT: Access road to subject property through adjacent property.	


CLIENT: Laurens County Development Corporation	SITE NAME: Laurens County Site 14 - Parcel 2
PROJECT #: 26942.0000	SITE LOCATION: Gray Court, SC
PHOTOGRAPH #: 6	
PHOTOGRAPHER: Kate McCoy	
DATE: October 26, 2017	
DIRECTION: Northwest	
COMMENT: Gate to subject property off of access road.	


Environmental Site Assessment
Laurens County Development Corporation – Laurens County Site 14 – Parcel 2
Gray Court, Laurens County, SC

November 2017



T&H J – 26942.0000

CLIENT: Laurens County Development Corporation	SITE NAME: Laurens County Site 14 - Parcel 2
PROJECT #: 26942.0000	SITE LOCATION: Gray Court, SC
PHOTOGRAPH #: 7	
PHOTOGRAPHER: Kate McCoy	
DATE: October 26, 2017	
DIRECTION: West	
COMMENT: Well onsite.	


CLIENT: Laurens County Development Corporation	SITE NAME: Laurens County Site 14 - Parcel 2
PROJECT #: 26942.0000	SITE LOCATION: Gray Court, SC
PHOTOGRAPH #: 8	
PHOTOGRAPHER: Kate McCoy	
DATE: October 26, 2017	
DIRECTION: North	
COMMENT: Miscellaneous dumping at building onsite.	


Environmental Site Assessment
 Laurens County Development Corporation – Laurens County Site 14 – Parcel 2
 Gray Court, Laurens County, SC

November 2017



T&H J – 26942.0000

CLIENT: Laurens County Development Corporation	SITE NAME: Laurens County Site 14 - Parcel 2
PROJECT #: 26942.0000	SITE LOCATION: Gray Court, SC
PHOTOGRAPH #: 9	
PHOTOGRAPHER: Kate McCoy	
DATE: October 26, 2017	
DIRECTION: West	
COMMENT: Construction materials inside building onsite.	


CLIENT: Laurens County Development Corporation	SITE NAME: Laurens County Site 14 - Parcel 2
PROJECT #: 26942.0000	SITE LOCATION: Gray Court, SC
PHOTOGRAPH #: 10	
PHOTOGRAPHER: Kate McCoy	
DATE: October 26, 2017	
DIRECTION: West	
COMMENT: Construction debris around exterior of structure onsite.	


Environmental Site Assessment
Laurens County Development Corporation – Laurens County Site 14 – Parcel 2
Gray Court, Laurens County, SC

November 2017



T&H J – 26942.0000

CLIENT: Laurens County Development Corporation	SITE NAME: Laurens County Site 14 - Parcel 2
PROJECT #: 26942.0000	SITE LOCATION: Gray Court, SC
PHOTOGRAPH #: 11	
PHOTOGRAPHER: Kate McCoy	
DATE: October 26, 2017	
DIRECTION: West	
COMMENT: Farming equipment onsite.	

CLIENT: Laurens County Development Corporation	SITE NAME: Laurens County Site 14 - Parcel 2
PROJECT #: 26942.0000	SITE LOCATION: Gray Court, SC
PHOTOGRAPH #: 12	
PHOTOGRAPHER: Kate McCoy	
DATE: October 26, 2017	
DIRECTION: West	
COMMENT: Construction debris around exterior of structure onsite.	

Environmental Site Assessment
 Laurens County Development Corporation – Laurens County Site 14 – Parcel 2
 Gray Court, Laurens County, SC

November 2017



T&H J – 26942.0000

CLIENT: Laurens County Development Corporation	SITE NAME: Laurens County Site 14 - Parcel 2
PROJECT #: 26942.0000	SITE LOCATION: Gray Court, SC
PHOTOGRAPH #: 13	
PHOTOGRAPHER: Kate McCoy	
DATE: October 26, 2017	
DIRECTION: South	
COMMENT: Farming equipment onsite.	

CLIENT: Laurens County Development Corporation	SITE NAME: Laurens County Site 14 - Parcel 2
PROJECT #: 26942.0000	SITE LOCATION: Gray Court, SC
PHOTOGRAPH #: 14	
PHOTOGRAPHER: Kate McCoy	
DATE: October 26, 2017	
DIRECTION: South	
COMMENT: Storage container located onsite.	


Environmental Site Assessment
Laurens County Development Corporation – Laurens County Site 14 – Parcel 2
Gray Court, Laurens County, SC

November 2017



T&H J – 26942.0000

CLIENT: Laurens County Development Corporation	SITE NAME: Laurens County Site 14 - Parcel 2
PROJECT #: 26942.0000	SITE LOCATION: Gray Court, SC
PHOTOGRAPH #: 15	
PHOTOGRAPHER: Kate McCoy	
DATE: October 26, 2017	
DIRECTION: South	
COMMENT: Farming equipment onsite.	


CLIENT: Laurens County Development Corporation	SITE NAME: Laurens County Site 14 - Parcel 2
PROJECT #: 26942.0000	SITE LOCATION: Gray Court, SC
PHOTOGRAPH #: 16	
PHOTOGRAPHER: Kate McCoy	
DATE: October 26, 2017	
DIRECTION: North	
COMMENT: Exterior of structure located onsite.	


Environmental Site Assessment
 Laurens County Development Corporation – Laurens County Site 14 – Parcel 2
 Gray Court, Laurens County, SC

November 2017



T&H J – 26942.0000

CLIENT: Laurens County Development Corporation	SITE NAME: Laurens County Site 14 - Parcel 2
PROJECT #: 26942.0000	SITE LOCATION: Gray Court, SC
PHOTOGRAPH #: 17	
PHOTOGRAPHER: Kate McCoy	
DATE: October 26, 2017	
DIRECTION: East	
COMMENT: Compressed air canister and all-terrain vehicle located inside structure onsite.	


CLIENT: Laurens County Development Corporation	SITE NAME: Laurens County Site 14 - Parcel 2
PROJECT #: 26942.0000	SITE LOCATION: Gray Court, SC
PHOTOGRAPH #: 18	
PHOTOGRAPHER: Kate McCoy	
DATE: October 26, 2017	
DIRECTION: East	
COMMENT: Furniture located inside structure onsite.	

Environmental Site Assessment
Laurens County Development Corporation – Laurens County Site 14 – Parcel 2
Gray Court, Laurens County, SC

November 2017



T&H J – 26942.0000

CLIENT: Laurens County Development Corporation	SITE NAME: Laurens County Site 14 - Parcel 2
PROJECT #: 26942.0000	SITE LOCATION: Gray Court, SC
PHOTOGRAPH #: 19	
PHOTOGRAPHER: Kate McCoy	
DATE: October 26, 2017	
DIRECTION: West	
COMMENT: Furniture located inside structure onsite.	


CLIENT: Laurens County Development Corporation	SITE NAME: Laurens County Site 14 - Parcel 2
PROJECT #: 26942.0000	SITE LOCATION: Gray Court, SC
PHOTOGRAPH #: 20	
PHOTOGRAPHER: Kate McCoy	
DATE: October 26, 2017	
DIRECTION: North	
COMMENT: Furniture located inside structure onsite.	


Environmental Site Assessment
Laurens County Development Corporation – Laurens County Site 14 – Parcel 2
Gray Court, Laurens County, SC

November 2017



T&H J – 26942.0000

CLIENT: Laurens County Development Corporation	SITE NAME: Laurens County Site 14 - Parcel 2
PROJECT #: 26942.0000	SITE LOCATION: Gray Court, SC
PHOTOGRAPH #: 21	
PHOTOGRAPHER: Kate McCoy	
DATE: October 26, 2017	
DIRECTION: East	
COMMENT: Construction materials located inside structure onsite.	


CLIENT: Laurens County Development Corporation	SITE NAME: Laurens County Site 14 - Parcel 2
PROJECT #: 26942.0000	SITE LOCATION: Gray Court, SC
PHOTOGRAPH #: 22	
PHOTOGRAPHER: Kate McCoy	
DATE: October 26, 2017	
DIRECTION: East	
COMMENT: Construction materials located inside structure onsite.	

Environmental Site Assessment
 Laurens County Development Corporation – Laurens County Site 14 – Parcel 2
 Gray Court, Laurens County, SC

November 2017



T&H J – 26942.0000

CLIENT: Laurens County Development Corporation	SITE NAME: Laurens County Site 14 - Parcel 2
PROJECT #: 26942.0000	SITE LOCATION: Gray Court, SC
PHOTOGRAPH #: 23	
PHOTOGRAPHER: Kate McCoy	
DATE: October 26, 2017	
DIRECTION: East	
COMMENT: Construction materials located inside structure onsite.	


CLIENT: Laurens County Development Corporation	SITE NAME: Laurens County Site 14 - Parcel 2
PROJECT #: 26942.0000	SITE LOCATION: Gray Court, SC
PHOTOGRAPH #: 24	
PHOTOGRAPHER: Kate McCoy	
DATE: October 26, 2017	
DIRECTION: North	
COMMENT: Old cars located onsite.	

Environmental Site Assessment
 Laurens County Development Corporation – Laurens County Site 14 – Parcel 2
 Gray Court, Laurens County, SC

November 2017



T&H J – 26942.0000

CLIENT: Laurens County Development Corporation	SITE NAME: Laurens County Site 14 - Parcel 2
PROJECT #: 26942.0000	SITE LOCATION: Gray Court, SC
PHOTOGRAPH #: 25	
PHOTOGRAPHER: Kate McCoy	
DATE: October 26, 2017	
DIRECTION: South	
COMMENT: Old cars located onsite.	


CLIENT: Laurens County Development Corporation	SITE NAME: Laurens County Site 14 - Parcel 2
PROJECT #: 26942.0000	SITE LOCATION: Gray Court, SC
PHOTOGRAPH #: 26	
PHOTOGRAPHER: Kate McCoy	
DATE: October 26, 2017	
DIRECTION: South	
COMMENT: Old cars located onsite.	

Environmental Site Assessment
Laurens County Development Corporation – Laurens County Site 14 – Parcel 2
Gray Court, Laurens County, SC

November 2017



T&H J – 26942.0000

CLIENT: Laurens County Development Corporation	SITE NAME: Laurens County Site 14 - Parcel 2
PROJECT #: 26942.0000	SITE LOCATION: Gray Court, SC
PHOTOGRAPH #: 27	
PHOTOGRAPHER: Kate McCoy	
DATE: October 26, 2017	
DIRECTION: South	
COMMENT: Old cars located onsite.	


CLIENT: Laurens County Development Corporation	SITE NAME: Laurens County Site 14 - Parcel 2
PROJECT #: 26942.0000	SITE LOCATION: Gray Court, SC
PHOTOGRAPH #: 28	
PHOTOGRAPHER: Kate McCoy	
DATE: October 26, 2017	
DIRECTION: North	
COMMENT: Old cars located onsite.	


Environmental Site Assessment
 Laurens County Development Corporation – Laurens County Site 14 – Parcel 2
 Gray Court, Laurens County, SC

November 2017



T&H J – 26942.0000

CLIENT: Laurens County Development Corporation	SITE NAME: Laurens County Site 14 - Parcel 2
PROJECT #: 26942.0000	SITE LOCATION: Gray Court, SC
PHOTOGRAPH #: 29	
PHOTOGRAPHER: Kate McCoy	
DATE: October 26, 2017	
DIRECTION: Northeast	
COMMENT: Agricultural field on subject property.	

CLIENT: Laurens County Development Corporation	SITE NAME: Laurens County Site 14 - Parcel 2
PROJECT #: 26942.0000	SITE LOCATION: Gray Court, SC
PHOTOGRAPH #: 30	
PHOTOGRAPHER: Kate McCoy	
DATE: October 26, 2017	
DIRECTION: North	
COMMENT: Agricultural field on subject property.	

Environmental Site Assessment
 Laurens County Development Corporation – Laurens County Site 14 – Parcel 2
 Gray Court, Laurens County, SC

November 2017



T&H J – 26942.0000

CLIENT: Laurens County Development Corporation	SITE NAME: Laurens County Site 14 - Parcel 2
PROJECT #: 26942.0000	SITE LOCATION: Gray Court, SC
PHOTOGRAPH #: 31	
PHOTOGRAPHER: Kate McCoy	
DATE: October 26, 2017	
DIRECTION: Northwest	
COMMENT: Agricultural field on subject property.	


CLIENT: Laurens County Development Corporation	SITE NAME: Laurens County Site 14 - Parcel 2
PROJECT #: 26942.0000	SITE LOCATION: Gray Court, SC
PHOTOGRAPH #: 32	
PHOTOGRAPHER: Kate McCoy	
DATE: October 26, 2017	
DIRECTION: West	
COMMENT: Wooded area of subject property.	


Environmental Site Assessment
Laurens County Development Corporation – Laurens County Site 14 – Parcel 2
Gray Court, Laurens County, SC

November 2017



T&H J – 26942.0000


CLIENT: Laurens County Development Corporation	SITE NAME: Laurens County Site 14 - Parcel 2
PROJECT #: 26942.0000	SITE LOCATION: Gray Court, SC
PHOTOGRAPH #: 33	
PHOTOGRAPHER: Kate McCoy	
DATE: October 26, 2017	
DIRECTION: South	
COMMENT: Old boat on subject property.	

CLIENT: Laurens County Development Corporation	SITE NAME: Laurens County Site 14 - Parcel 2
PROJECT #: 26942.0000	SITE LOCATION: Gray Court, SC
PHOTOGRAPH #: 34	
PHOTOGRAPHER: Kate McCoy	
DATE: October 26, 2017	
DIRECTION: South	
COMMENT: Agricultural field on subject property.	

Environmental Site Assessment
Laurens County Development Corporation – Laurens County Site 14 – Parcel 2
Gray Court, Laurens County, SC



CLIENT: Laurens County Development Corporation	SITE NAME: Laurens County Site 14 - Parcel 2
PROJECT #: 26942.0000	SITE LOCATION: Gray Court, SC
PHOTOGRAPH #: 35	
PHOTOGRAPHER: Kate McCoy	
DATE: October 26, 2017	
DIRECTION: South	
COMMENT: Agricultural field on subject property.	


CLIENT: Laurens County Development Corporation	SITE NAME: Laurens County Site 14 - Parcel 2
PROJECT #: 26942.0000	SITE LOCATION: Gray Court, SC
PHOTOGRAPH #: 36	
PHOTOGRAPHER: Kate McCoy	
DATE: October 26, 2017	
DIRECTION: South	
COMMENT: Pond located on subject property.	


Environmental Site Assessment
Laurens County Development Corporation – Laurens County Site 14 – Parcel 2
Gray Court, Laurens County, SC

November 2017



T&H J – 26942.0000

CLIENT: Laurens County Development Corporation	SITE NAME: Laurens County Site 14 - Parcel 2
PROJECT #: 26942.0000	SITE LOCATION: Gray Court, SC
PHOTOGRAPH #: 37	
PHOTOGRAPHER: Kate McCoy	
DATE: October 26, 2017	
DIRECTION: East	
COMMENT: Agricultural property located adjacent to subject property.	

CLIENT: Laurens County Development Corporation	SITE NAME: Laurens County Site 14 - Parcel 2
PROJECT #: 26942.0000	SITE LOCATION: Gray Court, SC
PHOTOGRAPH #: 38	
PHOTOGRAPHER: Kate McCoy	
DATE: October 26, 2017	
DIRECTION: South	
COMMENT: Wooded area of subject property.	

Environmental Site Assessment
Laurens County Development Corporation – Laurens County Site 14 – Parcel 2
Gray Court, Laurens County, SC

November 2017



T&H J – 26942.0000

CLIENT: Laurens County Development Corporation	SITE NAME: Laurens County Site 14 - Parcel 2
PROJECT #: 26942.0000	SITE LOCATION: Gray Court, SC
PHOTOGRAPH #: 39	
PHOTOGRAPHER: Kate McCoy	
DATE: October 26, 2017	
DIRECTION: South	
COMMENT: Agricultural field on subject property.	

Environmental Site Assessment
 Laurens County Development Corporation – Laurens County Site 14 – Parcel 2
 Gray Court, Laurens County, SC

November 2017



T&H J – 26942.0000

Appendix D

SCDHEC Freedom of Information Act Request



Freedom of Information Request Form

Customer Service: (803) 898-3882

Date: 10/19/2017

Internal request number: _____

Contact information

Name: Katie McCoy Company/Organization: Thomas and Hutton
Street address: 1501 Main Street City: Columbia State: SC Zip Code: 29201
Phone number: 803-451-6797 Email address: mccoy.k@thomasandhutton.com

Request information

I'm requesting: ☐ Specific documents ☒ File review

Facility or project name: Laurens County Site 14 Parcel 2

Facility address: Friendship Church Road, Gray Court, SC

County: Laurens County

DHEC file custodian/staff contact if known: _____

Description of documents or files requested:

I would like to review all environmental files related to the site to include: RCRA, hazardous waste, UST, groundwater monitoring, CERCLA, Brownfields, VCC, air, etc. for the purposes of conducting an Environmental Site Assessment.

The property consists of the property enclosed in TMS # 156-00-00-011 and 156-00-00-022

Family Privacy Protection Act statement

The Family Privacy Protection Act, SC Code Section 30-2-50, prohibits any person or private entity from knowingly obtaining or using any personal information obtained from our agency for commercial solicitation directed to any person in the State. Violation of this law is a crime.

I have read and understand this statement. I am not requesting personal information for the purposes of commercial solicitation or in violation of law.

Signed: Katie McCoy

Submit requests: Email: foi@dhec.sc.gov • Fax: (803) 898-3816 • Mail: FOI Office, 2600 Bull St., Columbia, S.C. 29201

Office Use Only: Date completed: _____

Billing info: Research: Time: _____ Cost: _____

Description: _____

Services: ☐ Scan #: _____ ☐ WebX documents #: _____ ☐ Hard copies #: _____ ☐ CD duplication #: _____

☐ Other: _____

Delivery options: ☐ Pick up ☐ Emailed ☐ Mailed ☐ Other: _____ Total charge: _____



Freedom of Information Center / Sims/Aycock Building
2600 Bull St, Columbia, SC 29201

Mrs. Katie McCoy
THOMAS & HUTTON
1501 MAIN ST
STE 760
COLUMBIA, SC 29201

10/27/2017

Request Number: 1710380

Re: Laurens County Site 14 Parcel 2
Friendship Church Road
Laurens, SC

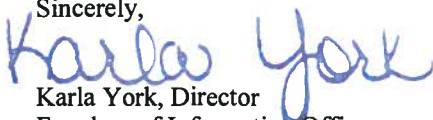
Dear Mrs. Katie McCoy,

Your request for the above referenced information has been received by the Freedom of Information Center. The Freedom of Information staff are currently researching and compiling this information. You will be notified by our office when the research process is complete. DHEC will make the requested information available for review and copying to the extent it is not protected from disclosure pursuant to section 30-4-30 of the Freedom of Information Act.

If we are unable to locate files on a facility, based on the information submitted, you will be notified by mail.

Further inquiries regarding your request should include your above mentioned Freedom of Information Request Number. We can be reached at (803) 898 - 3882.

Sincerely,


Karla York, Director
Freedom of Information Office

South Carolina Department of Health and Environmental Control
2600 Bull Street ~ Columbia, SC 29201 ~ Phone (803) 898-3432 ~www.scdhec.gov



Freedom of Information Center / Sims/Aycock Building
2600 Bull St, Columbia, SC 29201

Mrs. Katie McCoy
THOMAS & HUTTON
1501 MAIN ST
STE 760
COLUMBIA, SC 29201

10/30/2017

Request Number: 1710380

Re: Laurens County Site 14 Parcel 2
Friendship Church Road
Laurens, SC

Dear Mrs. Katie McCoy,

This is to advise you that the Freedom of Information Center could not locate any files on the referenced subject, company individual, and /or address as submitted. This request is now closed.

If you feel that the information you requested may be found under another name or description, please submit the additional information by fax (803) 898 - 3816 referencing the above Request Number.

If you have any questions or require further assistance, please contact our office at (803) 898 - 3882.

Sincerely,

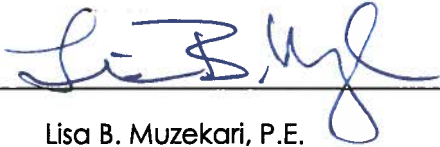
Karla York, Director
Freedom of Information Office

South Carolina Department of Health and Environmental Control

2600 Bull Street ~ Columbia, SC 29201 ~ Phone (803) 898-3432 ~www.scdhec.gov

Appendix E
Signature of Environmental Professional

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

A handwritten signature in blue ink, appearing to read "Lisa B. Muzekari", written over a horizontal line.

Lisa B. Muzekari, P.E.

A handwritten date "11-2-17" in blue ink, written over a horizontal line.

Date

Appendix F

Qualifications of Environmental Professional

Lisa Muzekari, PE | Senior Project Manager

Lisa Muzekari is a Senior Project Manager with over 20 years of experience in environmental engineering. She has managed a practice group focusing on environmental health and safety compliance and solid waste management and is recognized in her field for providing environmental assessments, permitting, planning, and compliance strategies for municipal and private clients. Lisa's experience includes water, wastewater, air, environmental planning, permitting and compliance, industrial and hazardous waste, air modeling, and safety and emergency planning. She is responsible for various phases of engineering projects, from conception and planning to design. Lisa's areas of expertise includes air permitting/modeling; environmental assessment; stormwater management; spill prevention control and countermeasures plans; CERCLA/RCRA hazardous waste; process safety management plans; risk management programs; water, wastewater, and reuse water studies; and solid waste evaluations.

Education

University of South Carolina - M.S. in Civil Engineering, 1992

University of South Carolina – B.S. in Civil Engineering, 1991

Professional Registrations

Professional Engineer in SC, NC, GA

Professional Associations

Water Environment Association of South Carolina, Water Environment Federation, Carolinas Air Pollution Control Association

Project Experience

Hazardous Waste / Environmental Site Assessments

Various Clients, Project Manager and Environmental Professional for Phase I Environmental Site Assessment activities for various subject properties. The Phase I ESAs were conducted in accordance with ASTM Standard E1527-13.

- Union County, SC – Trakas Site
- Spartanburg County, SC – Victor Hill Site
- Johns Island, SC – Hoggard Lane at Main Road Site
- North Charleston, SC – Patriot Park Site
- Berkeley County, SC – Berkeley County Schools Williams Lane Site
- Oconee County, SC – Seneca Rail Site
- Beaufort County, SC – Various Potential Economic Development Sites
- Richland County, SC – Colony Tire Site, Bluff Road
- Spartanburg County, SC – Cedar Crest Road Site
- Dorchester County, SC – 2,000 acre Industrial Economic Development Site

City of Dublin, Mulch Site Investigation, Dublin, GA, Project Engineer responsible for the development of a Corrective Action Plan and Initial Investigation related to disposal and burning activities at the City mulch site. The investigation included an asbestos inspection/survey and soil/waste characterization sampling. Remediation activities include asbestos abatement and soil excavation. The Remediation Phase and Abatement Phase are in the process of being coordinated with GAEPD.

Liberty Sun Energy, LLC, Environmental Assessment, Walterboro, SC, Project Manager and Environmental Professional for the Phase I Environmental Site Assessment activities for a proposed solar farm to be located in Colleton County, South Carolina. The Phase I ESA was conducted in accordance with ASTM Standard E1527-05.

Savannah Housing Authority – Hitch Village, Environmental Assessment, Savannah, GA, Project Manager and Environmental Professional for the Phase I Environmental Site Assessment activities for the former Hitch Village property located in the City of Savannah, Georgia. The Phase I ESA was conducted in accordance with ASTM Standard E1527-05.

Owens-Corning, Savannah Asphalt Facility Asbestos Abatement and Demolition, Savannah, GA, Coordination of asbestos abatement activities and provided onsite observation throughout the duration of the project for the demolition of the Owens Corning former asphalt facility located in Savannah, GA. Prior to beginning the onsite activities, preparation of site-specific plans regarding the project, including a site-specific Health and Safety Plan, Work Plan, and Environmental Mitigation Plan. A total of 12,244 linear feet/square feet of asbestos containing material was abated, 310 tons of mixed scrap metal was transported and reclaimed, 3,500 gallons of oil and oily sludge was removed and transported for energy recovery, and 26 loads (40 yd³ boxes) of concrete was sent to crushing for reclaim. *

Town of Moncks Corner, Umphlett Lumber Tract Environmental Assessment and Remediation, Moncks Corner SC, Provided professional engineering services to conduct response actions as identified in the SCDHEC Voluntary Cleanup Contract. Assessment activities and remediation activities included the installation and sampling of shallow ground water monitoring wells at five locations, collection of surface and subsurface soil samples at over 20 locations, collection of sediment and corresponding surface water samples at two locations, and excavation and disposal of arsenic contaminated soil. No groundwater contaminants were detected. *

City of Walterboro, Rizer Ford Environmental Assessment and Remediation, Walterboro, SC, Project Manager for the Phase I and II Environmental Site Assessment activities for the former Rizer Ford Property. Investigative activities included soil and ground water evaluation. As a result of the site assessment activities, services included assisting the City with drafting a Voluntary Cleanup Contract with SCDHEC for the cleanup of the property to be used for redevelopment. *

South Carolina Research Authority, Catawba Street Property Phase I and Phase II ESA, Columbia, SC, Conducted Phase I and Phase II Environmental Site Assessments for former warehouse site. The assessment included the installation of temporary ground water monitoring wells and groundwater sampling. *

AME Development Group, Cypress Grove Development Site Investigation, Moncks Corner, SC, Provided preliminary site investigation of soil and water. A GPR investigation was conducted to identify subsurface anomalies (e.g., buried drums) in the area of concern and exploratory excavations were conducted with URS/BP Barber oversight. After completion of the initial investigation, URS/BP Barber proceeded with additional field activities. All areas identified in the GPR Investigation were evaluated and further excavation of waste material was conducted. Excavated material, debris and waste drums were properly contained in lined roll-off containers and samples were obtained for characterization for disposal of the hazardous and non-hazardous material. *

600 Assembly Street, Site Assessment, Columbia, SC, Conducted a site assessment, which included locating underground storage tanks. The assessment included a ground penetrating radar investigation, asbestos inspection, soil screening, and soil sampling. *

Buncombe County Landfill, Contamination Assessment, Asheville, NC, Conducted and supervised a contamination assessment, which included installation of monitoring wells, modified Dutch Cone Penetrometer investigation, borehole geophysical investigation, discrete zone sampling, and Packer Test investigation. *

Fishburne International, Contamination Assessment, Asheville, NC, Conducted and supervised a contamination assessment, which included the installation of temporary well points, groundwater and surface water sampling, and modified Dutch Cone Penetrometer investigation. *

Kalama Chemicals, Inc., Beaufort, SC, Provided statistical support as a team member in conducting a baseline risk assessment on a Superfund Potential Responsible Party lead RI/FS project. *

Lindau Chemicals, Site Assessment, Columbia, SC, Conducted a site assessment to locate underground storage tanks. The assessment included a ground penetrating radar investigation, soil screening, and soil sampling. *

NASA, RCRA Facility Investigation Kennedy Space Center, Cape Canaveral, FL, Performed a RCRA Facility Investigation for a NASA facility, which included assessment of soil, surface water, and groundwater contamination. *

Sears Fuel Storage Site, Remedial Action Plan, Miami, FL, Developed a Remedial Action Plan for the abandoned fuel storage site, which included design of recovery wells, air stripping system, infiltration gallery, and soil vapor extraction system. *

Air Permitting and Dispersion Modeling

Various Clients, Air Permit Application Packages including permit forms, emission calculations, process descriptions, and dispersion modeling results were compiled for over 100 industries and municipalities. The Aermol, ISC2, ISC3, and Screen models were utilized in performing the air dispersion modeling.

- ABB Power T&D Company Inc.
- Aiken Regional Medical Center
- American Eagle Wheel Corporation
- American Italian Pasta Company
- American Titanium Works
- Amick Farms, Inc.
- Beaufort-Jasper Water & Sewer Authority
- BioEnergy
- Carolina International Trucks
- Charleston Water System
- City of Columbia
- Department of Public Utilities, City of Orangeburg
- Devro-Teepak
- Dixie Clay Company
- Eastern Pacific International
- EFCO Corporation
- Filtration Group Technical Media
- Fisher Tank
- Fitesa
- City of Florence
- Florence Concrete Products
- Hilton Head Island Public Service District
- Holcim (US) Inc.
- Honda of South Carolina Mfg., Inc.
- Institute for Business & Home Safety
- John Deere Consumer Products
- Kings Electronics Co., Inc.
- Kiswire, Inc.
- Martin Color-Fi, Inc.
- Modine Manufacturing Company
- MTU Detroit Diesel
- Musashi South Carolina, Inc.
- New London Engineering
- New Millenium Building Systems
- Nucor Building Systems
- Phoenix Finishing
- Providence Hospital Northeast
- Rifenburg Construction for GSP International Airport
- South Carolina State Farmers Market
- South Island Public Service District
- Southland Log Homes
- Spirax Sarco
- Tranter Radiator Products
- Walgreens
- Waste2 Energy, LLC
- Wateree Dyeing and Finishing Corporation
- Wateree Textile
- Weisz Graphics
- Town of Winnsboro
- Yanagawa
- York County Industries

City of Myrtle Beach, Water Reclamation Facility, Myrtle Beach, SC, A conditional major Title V Permit Application was prepared for the major source of hazardous air pollutants. The permit application limited the number of hours the City could operate their odor control scrubbers in order to be classified as a conditional major source. *

Department of Public Utilities, City of Orangeburg, WWTP, Orangeburg, SC, Prepared a Title V Permit Application for all emission sources at the wastewater treatment plant. Permitting included a sludge dryer utilizing heat from electrical turbines. *

City of Columbia, Metro Wastewater Treatment Plant, Columbia, SC, Performed Air Dispersion modeling for the sludge incinerators in order to comply with State and Federal Regulations for the stack test results. Provided professional engineering services for the renewal of the air permit. *

City of Columbia, Metro Wastewater Treatment Plant, Columbia, SC, Coordinated Information Collection Rule (ICR) request from EPA for sewage sludge incineration units, including stack testing data collection, communications with EPA, and completion and submission of required documentation for EPA. The ICR resulted in the promulgation of new source performance standards and emission guidelines for sewage sludge incineration units located at wastewater treatment facilities designed to treat domestic sewage sludge. *

Aiken County Public Service Authority, Horse Creek Pollution Control Facility, North Augusta, SC, Prepared the Air Permitting Application and performed Air Dispersion Modeling for sludge dryer. *

Homelite, Inc, Greer, SC, Prepared a Title V Permit Application for all industrial activities at the Homelite Greer Facility. *

Tranter, Inc, Edgefield, SC, Prepared a Title V Permit Application for all of the on-site industrial activities related to the manufacturing of heat exchange units. *

Devro, Inc., Sandy Run, SC, Prepared various construction permit applications, including new production lines and boilers, and a Title V Permit Application for all industrial activities related to the manufacturing of collagen casings. Additionally, the Storm Water Pollution Prevention Plan (SWPPP), SPCC Plan, Emergency Response Plan, Process Safety Management Plan, and Risk Management Plan were prepared for the facility and are kept up-to-date in accordance with regulations and as plant changes occur. *

Honda Manufacturing of South Carolina, Inc., Timmonsville, SC, Prepared various construction permit applications, including new production lines for Personal Water Craft, and Operating Permit renewals for all industrial activities related to the manufacturing of ATVs. Additionally, the Storm Water Pollution Prevention Plan (SWPPP) and SPCC Plan were prepared for the facility and are kept up-to-date in accordance with regulations and as plant changes occur. *

Green Energy Holdings, Bio Mass Facility, Orangeburg County, SC, Prepared Air Permitting Application. Research and technical assistance with replying to SCDHEC on air permit application submittal. *

Waste 2 Energy, Waste Processing Facility, Columbia, SC, Prepared Air Permitting Application for proposed bio energy facility, which included the anaerobic digestion of food and yard waste to produce methane to be burned in generators for power production. Emission calculations, air dispersion modeling, and air permit application prepared for submittal to SCDHEC. *

BioEnergy, Berkeley County, SC, Prepared Air Permitting Application for proposed bio energy facility, which included the anaerobic digestion of municipal sludge, grease trap waste, and DAF waste to produce methane to be burned in a Combined Heat and Power (CHP) unit, boiler, and flare, when needed. Emission calculations, air dispersion modeling, and air permit application prepared for submittal to SCDHEC. Additionally, overall project management of the development of a SPCC Plan, BMP Plan, Wastewater Construction Permit, and Land Application of Biosolids Permit packages were prepared for the facility. The facility was the first of its kind in South Carolina, therefore coordination with all Bureaus of SCDHEC were required to obtain all permits for the construction and operation of the facility. The facility was permitted as a wastewater treatment facility since it accepts 503 regulated biosolids as a feed material. *

Stormwater Pollution Prevention Plans

Developed Stormwater Pollution Prevention Plans (SWP3s) for over 75 regulated facilities. The Stormwater Pollution Prevention Plans included site assessments, identification of potential pollutant sources, development of best management practices, monitoring requirements, visual assessments, and development of management procedures to maintain site compliance. Stormwater Pollution Prevention Plans were developed in accordance with Industrial General Permits in SC, NC, and GA. Recent experience includes SWP3s prepared for the following clients:

- Alpine Utilities – Stoops Creek WWTP
- American Italian Pasta Company
- Amick Farms – Processing Plant
- Amick Farms – Feed Mill

- ArvinMeritor
- City of Barnwell – WWTP
- Town of Batesburg-Leesville – WWTP
- Beaufort-Jasper Water & Sewer Authority – Cherry Point WWTP
- Beaufort-Jasper Water & Sewer Authority – Hardeeville WWTP
- City of Bennettsville – WWTP
- Boozer Lumber Company
- Charleston Water System – Daniel Island and Plum Island WWTPs
- City of Clinton – Department of Public Works
- Corley Lumber Mill
- DeRoyal Textiles
- Devro
- Dorchester County – WWTP
- Dorchester County – Airport I
- Dorchester County – Airport II
- East Richland County Public Service District
- City of Florence – WWTP
- Florence Concrete Products
- Greenwood Metropolitan District – West Alexander WWTP and Wilson Creek WWTP
- City of Hartsville – WWTP
- City of Hartsville – Airport
- Hilton Head Public Service District – WWTP
- Honda of SC Mfg., Inc.
- City of Inman – WWTP
- Kings Electronics
- Town of Kingstree – WWTP
- City of Lake City – WWTP
- City of Lake City – Airport
- City of Lake City – C&D Landfill
- City of Mullins – WWTP
- Musashi
- City of North Myrtle Beach – Ocean Drive WWTP
- City of North Myrtle Beach – Crescent Beach WWTP
- ReWa – Durbin Creek WWTP
- ReWa – Georges Creek WWTP
- ReWa – Gilder Creek WWTP
- ReWa – Grove Creek WWTP
- ReWa – Lower Reedy WWTP
- ReWa – Marietta WWTP
- ReWa – Mauldin Road WWTP
- ReWa – Pelham WWTP
- ReWa – Piedmont WWTP
- ReWa – Taylors WWTP
- ReWa – Maintenance / Shop Area
- Richland County – Broad River WWTP
- Siemens VDO
- Spartanburg Water – Landrum Page Creek WWTP
- Spirax Sarco
- Town of Summerton – WWTP
- TMA
- Tyson Foods
- Yanagawa

Spill Prevention Control and Countermeasures Plans

Developed Spill Prevention Control and Countermeasures Plans (SPCCs) for numerous facilities in the Southeast. The SPCC plans were developed to address petroleum/oil storage and handling operations of the facility. The SPCC Plans provided the written documentation of the site-specific measures (procedural and structural) the facility was to implement to prevent or minimize any discharge of petroleum/oil into the waters of the United States. The SPCC Plans were prepared to meet the requirements of the revised SPCC Regulation (40 CFR 112). Recent experience includes SPCCs prepared for the following clients:

- American Italian Pasta Company
- Amick Broilers, Inc.
- Amick Farms, Inc.
- Arvin Meritor
- Beaufort Jasper Water and Sewer Authority – Cherry Point WWTP
- Beaufort Jasper Water and Sewer Authority – Port Royal WWTP
- Beaufort Jasper Water and Sewer Authority – Purrysburg WTP
- City of Barnwell WWTP
- City of Bennettsville WWTP
- City of Clinton WTP
- City of Florence WWTP
- City of Hartsville WWTP
- City of Newberry – Public Works Department
- City of Newberry – WTP
- City of Newberry – WWTP
- Devro-Teepak
- Dilmar Oil
- Dorchester County – Airports
- Dorchester County – WWTP
- Dorchester Excavating
- East Richland County Public Service District WWTP
- Eastern Pacific International
- Energis LLC
- Florence Concrete Products
- Greenwood Metropolitan Sewer District
- Holcim (US) Inc.
- Honda of South Carolina Mfg., Inc.

- John Deere Consumer Products – Bradenton, FL Test Facility
- John Deere Consumer Products – Columbia, SC Facility
- John Deere Consumer Products Gastonia, NC Facility
- John Deere Springs Farm Shop – Rock Hill, SC
- John Deere Southeast Engineering Center – Charlotte, NC
- KPR Holdings
- Laurens County Water and Sewer Commission – Joanna WWTP
- Meritor Automotive
- Meritor Heavy Vehicle Systems
- M.L. Corley & Sons Sawmill, Inc.
- Musashi South Carolina, Inc.
- Oak Mitsui
- Otis Spunkmeyer
- Ridge Recyclers
- Rockwell International
- Siemens VDO
- South Island Public Service District
- Transaxle Manufacturing of America
- Tyson Foods

Process Safety Management Plans

Developed Process Safety Management Programs for over 30 facilities. Prepared written programs, performed compliance audits, completed process hazard analysis, developed standard operating procedures, and evaluated and documented mechanical integrity program.

Emergency Action Plans

Developed Emergency Action Plans for the following entities:

- Greenwood Commissioners of Public Works
- Hilton Head Public Service District
- City of Bennettsville, SC

Risk Management Programs

Developed Risk Management Programs in accordance with 40 CFR 68 for the over 30 facilities. The Risk Management Programs addressed Prevention Programs, Management Programs, and Hazard Assessment Programs. Off-site consequence analyses were performed utilizing the Degadis air dispersion model to determine the extents of possible release scenarios. RMP Programs were developed for chemicals including chlorine, sulfur dioxide, and ammonia. *

Stormwater Management

Richland County, Industrial and High Risk Runoff Program, Columbia, SC, Development of program for Richland County to control Industrial and High Risk Runoff. Richland County holds a NPDES Phase I Permit. *

City of Hartsville, Stormwater Utility, Hartsville, SC, Development of financial requirements for the development of a stormwater utility for the City of Hartsville in order to comply with the upcoming requirements of NPDES Phase II permitting. *

CMOM Audits and Programs

Anderson County, SC, Assisted in the EPA Capacity, Management, Operation, and Maintenance (CMOM) Audit conducted as part of the voluntary CMOM analysis program EPA asked Anderson County to participate in. *

City of Clemson, SC, Prepared a Capacity, Management, Operation, and Maintenance (CMOM) Audit for the City of Clemson collection system. *

East Richland County Public Service District, Columbia, SC, Prepared a Capacity, Management, Operation, and Maintenance (CMOM) Audit for the East Richland County Public Service District collection system. *

East Richland County Public Service District, Columbia, SC, Prepared a Capacity, Management, Operation, and Maintenance (CMOM) Program for the East Richland County Public Service District including several programs for operation and maintenance of the collection system. *

Laurens County Water and Sewer Commission Laurens, SC, Prepared Capacity, Management, Operation, and Maintenance (CMOM) Program components for the Laurens County Water and Sewer Commission including various programs for the operation and maintenance of the collection system. *

City of Myrtle Beach, SC, Prepared a Capacity, Management, Operation, and Maintenance (CMOM) Audit and CMOM Program for the City of Myrtle Beach collection system. *

Town of Summerton, SC, Prepared a Capacity, Management, Operation, and Maintenance (CMOM) Audit for the Town of Summerton collection system. *

Town of Summerton, SC, Prepared a Capacity, Management, Operation, and Maintenance (CMOM) Program for the Town of Summerton including various programs for the operation and maintenance of the collection system. *

Taylors Fire and Sewer District, Taylors, SC, Prepared a Capacity, Management, Operation, and Maintenance (CMOM) Program for the Taylors Fire and Sewer District including several programs for operation and maintenance of the collection system. *

Solid Waste Management

Anderson County, Financial Analysis of Waste Management Alternatives, Anderson, SC, Prepared a financial analysis of waste management alternatives. Analysis included the construction of a regional Subtitle D facility and the contrasting with a private company to purchase the County landfill and provide solid waste management services. *

Chester County, Financial Analysis of Waste Management Alternatives, Chester, SC, Prepared a financial analysis of waste management alternatives. *

York County, Financial Analysis of Waste Management Alternatives, York, SC, Prepared a financial analysis of waste management alternatives. Analysis included the construction of a Subtitle D facility and the utilization of a regional landfill. The analysis also included a C&D landfill and composting area for yard waste. *

Homelite, Waste Minimization Plan, Columbia, SC, Responsible for development of Waste Minimization Plan for production activities at the Homelite facility. *

York County, Groundwater Quality Assessment Plan, York, SC, Prepared a groundwater quality assessment plan for the York County Landfill. The plan addressed placement of monitoring wells and required analyses. *

Source Water Assessment Programs

Beaufort Jasper Water & Sewer Authority, Olatie, SC, Developed a Source Water Assessment Program for the Beaufort Jasper Water & Sewer Authority to locate potential contaminant sources for their wells and surface water source. The project included the coordination between the BJW&SA and the City of Savannah SWAPs. *

City of Bennettsville, SC, Developed a Source Water Protection Program for the City of Bennettsville Water Treatment Plant to locate potential contaminant sources for their wells and surface water source. *

Eastern Band of Cherokee Indians, Cherokee, NC, Developed a Source Water Assessment Program for the Qualla Boundary in Cherokee, North Carolina. The SWAP included one surface water source, six springs, and over thirty wells. The SWAP was coordinated with EPA Region IV and included GPS and GIS deliverables. *

City of Savannah, GA, Developed a Source Water Assessment Program for the City of Savannah I&D Water Treatment Plant to locate potential contaminant sources for their surface water source. The project included the coordination between the City of Savannah and the Beaufort Jasper Water and Sewer Authority and the formation of a Source Water Protection Task Force Committee. *

Water, Wastewater and Reuse Water Plans and Studies

Chester County, Countywide Wastewater System Study, Chester, SC, Preparation of an engineering study to address the existing wastewater infrastructure and potential future growth countywide in determining alternatives for expansion of the wastewater collection system and treatment facilities. The study included preliminary cost estimates for proposed expansion of the existing system, population projections, and collection system mapping. *

Clarendon County, Countywide Wastewater Study, Manning, SC, Preparation of an engineering study to analyze alternatives to create a regional sewer system in Clarendon County, including the consolidation of existing municipal systems. The study included preliminary cost estimates for various alternatives, as well as population and flow projections. *

City of Clemson, Evaluation of Long-Term Water Supply Options, Clemson, SC, Performed an engineering analysis of long-term water supply options for the City of Clemson, Clemson University, and Town of Central. The study included a present worth cost analysis of water supply alternatives, including wholesale alternatives, as well as the construction of a new water treatment plant. *

City of Conway, Water and Wastewater System Evaluation, Conway, SC, Project Engineer for the evaluation and financial planning of the City's water and wastewater systems. Responsible for data acquisition and evaluation of existing programs for the water distribution and sewer collection systems. Responsible also for determining future areas of growth and assisted in the determination of future capital improvement projects and prioritization. Served as the liaison to Raftelis Financial Consultants in the development of the rate model and financial plan for the water and sewer systems. *

Dillon County, Regional Sewer Study, Dillon, SC, Preparation of an engineering study to analyze alternatives to create a regional sewer system in Dillon County, including the consolidation of existing municipal and private systems. The study included a present worth cost comparison for the identified alternatives. *

Town of Gifford/Hampton County, Water and Wastewater Viability, Hampton, SC, Assisted with the development of a Water and Wastewater Viability Study for Hampton County, which included alternatives for regionalization of water and wastewater service in Hampton County, as well as analysis of available water and wastewater services, projected demands, and the means to provide water and wastewater to locations within the County, with a focus on consolidation and possible expansion and interconnection of existing suppliers. *

James Island Public Service District, Sewer System Evaluation, Charleston, SC, Project Manager for the District's sewer system evaluation. Coordinated the asset data compilation and facilitated the valuation of the sewer system assets. *

Marlboro County, Countywide Water Study, Bennettsville, SC, Performed a countywide engineering study for water supply throughout Marlboro County, including municipal and privately owned systems. The study analyzed the feasibility of creating a countywide system and the expansion of the existing systems into unserved areas of the County. *

Renewable Water Resources, Assessment of Biosolids Environmental Management System (EMS), Greenville, SC, Conducted an assessment of the developing ReWa Biosolids Environmental Management System (EMS) to aid ReWa in determining areas of the program that needed further development. Aided ReWa in their Biosolids EMS Program by developing Element 3 of their program. *

Renewable Water Resources, Durbin Creek Wastewater Treatment Plant (WWTP) Reuse Water Feasibility Study, Greenville, SC, Development of the Durbin Creek WWTP Reuse Water Feasibility Study for WCRSA which included various alternatives for the reuse of effluent from the WWTP. *

Renewable Water Resources, Gilder Creek Wastewater Treatment Plant (WWTP) Reuse Water Feasibility Study and PER, Greenville, SC, Development of the Gilder Creek WWTP Reuse Water Feasibility Study and Reuse

Preliminary Engineering Report for ReWa which included various alternatives for the reuse of effluent from the WWTP. *

Spartanburg Sanitary Sewer District, Collection System Evaluation, Spartanburg, SC, Project Engineer for the City of Spartanburg's collection system evaluation. Responsible for coordinating the evaluation that included asset evaluation, compliance history and a financial records review. Worked closely with Raffetis Financial Consultants in the data acquisition necessary for the rate model development and financial impact analysis. Responsible for all presentations to the SSSD and City personnel to help facilitate negotiations for the transfer of assets. *

Water Distribution/Treatment and Associated Projects

Beaufort Jasper Water & Sewer Authority, Regional Water System Feasibility Study, Sheldon Township, SC, Conducted a feasibility study for a new regional water system for Sheldon Township for the Beaufort Jasper Water & Sewer Authority. The study was performed to determine the most cost effective method of providing potable water and fire protection to the Sheldon Township area of northern Beaufort County. *

Charleston Water System, Raw Water Intake Model, Charleston, SC, Developed a Fortran Model to hydraulically analyze the raw water intake system for the Water Treatment Plant for the Charleston Water System. *

Edgefield County Water & Sewer Authority, Preliminary Engineering Report (PER) Water Distribution System Improvements, Edgefield, SC, Prepared a PER for improvements to the Edgefield County Water Distribution System. *

Wastewater Collection/Treatment and Associated Projects

Aiken County Public Service Authority, Preliminary Engineering Report (PER) Sludge Composting Facility at Horse Creek Pollution Control Facility, North Augusta, SC, Prepared a PER for a sludge composting facility at the Horse Creek Pollution Control Facility. Additional air permitting services were provided for a sludge dryer. *

American Eagle Wheel Corporation, Pretreatment System Improvements, York, SC, Assisted in permitting with SCDHEC and the City of York for pretreatment system improvements. *

Beaufort-Jasper Water & Sewer Authority, St. Helena Wastewater Treatment Plant (WWTP) 201 Facilities Plan, St. Helena Island, SC, Responsible for the development of a 201 Plan for the upgrade and expansion of the St. Helena WWTP. *

Beaufort-Jasper Water & Sewer Authority, Preliminary Engineering Report (PER) St. Helena Wastewater Treatment Plant (WWTP) Expansion, St. Helena Island, SC: Preparation of Preliminary Engineering Report for Beaufort-Jasper Water & Sewer Authority for the expansion of the St. Helena WWTP. *

City of Bennettsville, Sludge Land Application Plan, Bennettsville, SC, Preparation of plan for land application of Bennettsville's Wastewater Treatment Plant sludge on Becker Minerals reclamation sites. *

City of Bishopville, Rate Analysis, Bishopville SC, Performed a rate analysis for the City's water and sewer systems. *

City of Conway, Conway Wastewater Treatment Plant (WWTP) 201 Facilities Plan, Conway, SC: Responsible for development of 201 Facilities Plan for the upgrade and expansion of the Conway WWTP. *

Diebold, Operation and Maintenance Manual, Sumter, SC, Preparation of Operation and Maintenance Manual for Diebold's Industrial Wastewater Pretreatment Facility. *

Edgefield County Water & Sewer Authority, Preliminary Engineering Report (PER) Land Application of Alum Sludge, Edgefield, SC, Prepared a preliminary engineering report for the land application of alum sludge on private land. *

Kershaw County Water & Sewer Authority, 208 Water Quality Management Plan Camden, SC, Responsible for development of 208 Water Quality Management Plan for the unincorporated areas of Kershaw County. *

City of Lake City, Rate Study, Lake City, SC, Performed a rate study for the water and sewer systems to include wholesale services for sewer service. *

MTU Detroit Diesel, Oil/Water Separator, Aiken, SC, Assisted in permitting with SCDHEC and the Aiken County Public Service Authority for the construction of an oil/water separator. *

National Dye Works, Wastewater Treatment Plant (WWTP) Operation and Maintenance Manual, Lynchburg, SC, Preparation of Operation and Maintenance Manual for National Dye Works' Industrial WWTP. *

City of Newberry, Newberry Wastewater Treatment Plant (WWTP) 201 Facilities Plan, Newberry, SC, Responsible for development of 201 Facilities Plan for the expansion of the Newberry WWTP. *

Town of Pamplico, Cost Effective Analysis of Wastewater Alternatives, Pamplico, SC, Performed a cost-effective analysis for several wastewater treatment alternatives, which included capital costs and annual operation and maintenance costs. *

City of Walterboro, Sludge Management Plan, Walterboro, SC, Developed Sludge Management Plan for the City's wastewater treatment facility to determine the most cost-effective means of sludge disposal. As a result of the sludge management plan, a preliminary engineering report was prepared and a permit obtained for land application of sludge on private farmland.*

*** Prior Experience with Previous Employer(s)**