Phase I Environmental Site Assessment
Georgia Historic Heartland Mega Site - ESA
Highway 11 and Hollis Road
Social Circle, Newton and Walton County, Georgia
October 16, 2015
Terracon Project No. 49157647

Prepared for:
Thomas and Hutton
Savannah, Georgia

Prepared by:
Terracon Consultants, Inc.
Duluth, Georgia
October 16, 2015

Thomas and Hutton
50 Park of Commerce Way
Savannah, GA 31405

Attn: Mr. Ralph Forbes
P: 912-721-4157
E: forbes.r@thomasandhutton.com

Re: Phase I Environmental Site Assessment
Georgia Historic Heartland Mega Site - ESA
Highway 11 and Hollis Road
Social Circle, Newton and Walton County, Georgia
Terracon Project No. 49157647

Dear Mr. Forbes:

Terracon Consultants, Inc. (Terracon) is pleased to submit the enclosed Phase I Environmental Site Assessment (ESA) report for the above-referenced site. This assessment was performed in accordance with Terracon Proposal No. P49140514R2 dated February 27, 2015.

We appreciate the opportunity to be of service to you on this project. In addition to ESA services, our professionals provide geotechnical, environmental, construction materials, and facilities services on a wide variety of projects locally, regionally and nationally. For more detailed information on all of Terracon’s services please visit our website at www.terracon.com. If there are any questions regarding this report or if we may be of further assistance, please do not hesitate to contact us.

Sincerely,

Terracon Consultants, Inc.

Jennifer K. Wood
Staff Environmental Scientist

Courtney A. Wilson
Senior Staff Scientist

John A. Meadow
Department Manager III-Professional

Attachments
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APPENDICES

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- APPENDIX B  Site Photographs
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- APPENDIX D  Environmental Database Information
- APPENDIX E  Credentials
- APPENDIX F  Description of Terms and Acronyms
EXECUTIVE SUMMARY

This Phase I Environmental Site Assessment (ESA) was performed in accordance with Terracon Proposal No. P49140514R2 dated February 27, 2015, and was conducted consistent with the procedures included in the American Society for Testing and Materials (ASTM) E1527-13, Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process. The ESA was conducted under the supervision or responsible charge of Mr. John A. Meadow, Environmental Professional. Ms. Jennifer K. Wood and Ms. Courtney Wilson performed the site reconnaissance on September 24, 2015.

Findings

A summary of findings is provided below. It should be recognized that details were not included or fully developed in this section, and the report must be read in its entirety for a comprehensive understanding of the items contained herein.

Site Description and Use
According to the Newton and Walton Counties Tax Assessor’s records, the site consists of approximately 773 acres of land located at Highway 11 and Hollis Road in Social Circle, Newton and Walton County, Georgia. The site was observed as undeveloped grassed/scrub and wooded land containing a vacant residence, multiple unpaved roads, and two ponds and multiple streams during the Terracon site reconnaissance. No operations of potential environmental concern are currently conducted at the site.

Historical Information
Based on a review of the historical information, the site consisted of grassed and wooded land with streams and unpaved roads since 1929. Surrounding properties consisted of undeveloped wooded land, grassed land scattered residences, railroad track, and several paved and unpaved roads since at least 1939.

Records Review
Selected federal and state environmental regulatory databases as well as responses from state and local regulatory agencies were reviewed. The site is not listed in the environmental regulatory database report. Multiple facilities are identified in the specified radii of the site in the environmental regulatory database report. Based on distance and topographic gradient, the listed facilities do not constitute recognized environmental conditions (RECs) associated with the site.

Unmapped facilities are those that do not contain sufficient address or location information to evaluate the facility listing locations relative to the site. The report did not list facilities in the unmapped section.
Site Reconnaissance
A visual reconnaissance of the site was performed by Ms. Jennifer K. Wood and Ms. Courtney A. Wilson on September 24, 2015. The site was observed as undeveloped grassed/scrub and wooded land containing a vacant residence, multiple unpaved roads, and two ponds and multiple streams. Based on the site reconnaissance, RECs were not identified associated with the current site observations.

Adjoining Properties
The site is bordered by the following: a lake, scattered residences, wooded land, power line easement, and roads to the north; wooded land, scattered residences, roads, and a railroad track to the east; railroad track, wooded land, scattered residences, and roads to the south; and wooded land, grassed land, scattered residences, and roads to the west. Evidence of RECs associated with the site was not observed resulting from adjoining property operations during the Terracon site reconnaissance.

Additional Services
Per the agreed scope of services specified in the proposal, the following additional services (e.g. Wetland Services and Protected Species Survey) were conducted under separate covers.

Opinions and Conclusions
We have performed this ESA consistent with the procedures included in ASTM Practice E 1527-13 at Highway 11 and Hollis Road, Social Circle, Newton and Walton County, Georgia, the site. RECs, Historical RECs (HRECs), or Controlled RECs (CRECs) were not identified associated with the site.

Recommendations
Based on the scope of services, limitations, and conclusions of this assessment, Terracon did not identify RECs, HRECs, or CRECs associated with the site. As such, no additional investigation is warranted at this time.
1.0 INTRODUCTION

1.1 Site Description

<table>
<thead>
<tr>
<th>Site Name</th>
<th>Georgia Historic Heartland Mega Site - ESA</th>
</tr>
</thead>
<tbody>
<tr>
<td>Site Location/Address</td>
<td>Highway 11 and Hollis Road, Social Circle, Newton and Walton County, Georgia</td>
</tr>
<tr>
<td>Land Area</td>
<td>Approximately 773 acres</td>
</tr>
<tr>
<td>Site Improvements</td>
<td>Wooded land, grassed land, and water bodies</td>
</tr>
</tbody>
</table>

The site location is depicted on Exhibit 1 of Appendix A, which was reproduced from a portion of the United States Geological Survey (USGS) 7.5-minute series topographic map. A Site Diagram of the site and adjoining properties is included as Exhibit 2 of Appendix A. Acronyms and terms used in this report are described in Appendix F.

1.2 Scope of Services

This Phase I environmental site assessment (ESA) was performed in accordance with Terracon Proposal No. P49140514R2 dated February 27, 2015, and was conducted consistent with the procedures included in the American Society of Testing and Materials (ASTM) E1527-13, Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process. The purpose of this ESA was to assist the client in developing information to identify recognized environmental conditions (RECs) in connection with the site as reflected by the scope of this report. This purpose was undertaken through user-provided information, a regulatory database review, historical and physical records review, interviews, including local government inquiries, as applicable, and a visual noninvasive reconnaissance of the site and adjoining properties. Limitations, ASTM deviations, and significant data gaps (if identified) are noted in the applicable sections of the report.

As requested by the client, the following additional services were performed and are provided under separate covers:

- Wetland Services
- Protected Species Survey

1.3 Standard of Care

This ESA was performed in accordance with generally accepted practices of this profession, undertaken in similar studies at the same time and in the same geographical area. We have endeavored to meet this standard of care, but may be limited by conditions encountered during performance, a client-driven scope of work, or inability to review information not received by the
report date. Where appropriate, these limitations are discussed in the text of the report, and an evaluation of their significance with respect to our findings has been conducted.

ESAs, such as the one performed at this site, are of limited scope, are noninvasive, and cannot eliminate the potential that hazardous, toxic, or petroleum substances are present or have been released at the site beyond what is identified by the limited scope of this ESA. In conducting the limited scope of services described herein, certain sources of information and public records were not reviewed. It should be recognized that environmental concerns may be documented in public records that were not reviewed. No ESA can wholly eliminate uncertainty regarding the potential for RECs in connection with a property. Performance of this practice is intended to reduce, but not eliminate, uncertainty regarding the potential for RECs. No warranties, express or implied, are intended or made. The limitations herein must be considered when the user of this report formulates opinions as to risks associated with the site or otherwise uses the report for any other purpose. These risks may be further evaluated – but not eliminated – through additional research or assessment. We will, upon request, advise you of additional research or assessment options that may be available and associated costs.

1.4 Additional Scope Limitations, ASTM Deviations and Data Gaps

Based upon the agreed-on scope of services, this ESA did not include subsurface or other invasive assessments, vapor intrusion assessments or indoor air quality assessments (i.e. evaluation of the presence of vapors within a building structure), business environmental risk evaluations, or other services not particularly identified and discussed herein. Credentials of the company (Statement of Qualifications) have not been included in this report but are available upon request. Pertinent documents are referred to in the text of this report, and a separate reference section has not been included. Reasonable attempts were made to obtain information within the scope and time constraints set forth by the client; however, in some instances, information requested is not, or was not, received by the issuance date of the report. Information obtained for this ESA was received from several sources that we believe to be reliable; nonetheless, the authenticity or reliability of these sources cannot and is not warranted hereunder.

An evaluation of the significance of limitations and missing information with respect to our findings has been conducted, and where appropriate, significant data gaps are identified and discussed in the text of the report. However, it should be recognized that an evaluation of significant data gaps is based on the information available at the time of report issuance, and an evaluation of information received after the report issuance date may result in an alteration of our conclusions, recommendations, or opinions. We have no obligation to provide information obtained or discovered by us after the issuance date of the report, or to perform any additional services, regardless of whether the information would affect any conclusions, recommendations, or opinions in the report. This disclaimer specifically applies to any information that has not been provided by the client.
This report represents our service to you as of the report date and constitutes our final document; its text may not be altered after final issuance. Findings in this report are based upon the site’s current utilization, information derived from the most recent reconnaissance and from other activities described herein; such information is subject to change. Certain indicators of the presence of hazardous substances or petroleum products may have been latent, inaccessible, unobservable, or not present during the most recent reconnaissance and may subsequently become observable (such as after site renovation or development). Further, these services are not to be construed as legal interpretation or advice.

1.5 Reliance

This ESA report is prepared for the exclusive use and reliance of Thomas and Hutton. Use or reliance by any other party is prohibited without the written authorization of Thomas and Hutton and Terracon Consultants, Inc. (Terracon).

Reliance on the ESA by the client and all authorized parties will be subject to the terms, conditions and limitations stated in the proposal, ESA report, and Terracon’s Agreement. The limitation of liability defined in the Agreement is the aggregate limit of Terracon’s liability to the client and all relying parties.

Continued viability of this report is subject to ASTM E1527-13 Sections 4.6 and 4.8. If the ESA will be used by a different user (third party) than the user for whom the ESA was originally prepared, the third party must also satisfy the user’s responsibilities in Section 6 of ASTM E1527-13.

1.6 Client Provided Information

Prior to the site visit, Mr. Ralph Forbes, client’s representative, was asked to provide the following user questionnaire information as described in ASTM E1527-13 Section 6.

<table>
<thead>
<tr>
<th>Client Questionnaire Item</th>
<th>Client Did Not Respond</th>
<th>Client’s Response</th>
</tr>
</thead>
<tbody>
<tr>
<td>Specialized Knowledge or Experience that is material to a REC in connection with the site.</td>
<td></td>
<td>X</td>
</tr>
<tr>
<td>Actual Knowledge of Environmental Liens or Activity and Use Limitations (AULs) that may encumber the site.</td>
<td></td>
<td>X</td>
</tr>
<tr>
<td>Actual Knowledge of a Lower Purchase Price because contamination is known or believed to be present at the site.</td>
<td></td>
<td>X</td>
</tr>
<tr>
<td>Commonly Known or Reasonably Ascertainable Information that is material to a REC in connection with the site.</td>
<td></td>
<td>X</td>
</tr>
</tbody>
</table>
Terracon’s consideration of the client provided information did not identify RECs associated with the site. A copy of the ASTM User Questionnaire is included in Appendix C.

### 2.0 PHYSICAL SETTING

<table>
<thead>
<tr>
<th>Physical Setting Information</th>
<th>Source</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Topography</strong> (Refer to Appendix A for an excerpt of the Topographic Map)</td>
<td></td>
</tr>
<tr>
<td>Surface Runoff/Topographic Gradient</td>
<td>Generally toward the northwest.</td>
</tr>
<tr>
<td>Closest Surface Water</td>
<td>Two ponds are located on the site: one in the eastern portion of the site and one in the western portion. Also, a man-made lake is located immediately adjacent to the north of the site.</td>
</tr>
<tr>
<td><strong>Soil Characteristics</strong></td>
<td></td>
</tr>
<tr>
<td>Soil Type</td>
<td>Hiawasee sandy loam</td>
</tr>
<tr>
<td>Description</td>
<td>Natural Resources Conservation Service (NRCS) Web Soil Survey.</td>
</tr>
<tr>
<td></td>
<td>Moderate infiltration rates. Deep and moderately deep, moderately well and well drained soils with moderately coarse textures.</td>
</tr>
<tr>
<td><strong>Geology/Hydrogeology</strong></td>
<td></td>
</tr>
<tr>
<td>Era, System, Series</td>
<td>Environmental Data Resources, Inc. (EDR); Geocheck – Physical Setting Source Summary.</td>
</tr>
<tr>
<td>Category</td>
<td>Metamorphic Rocks.</td>
</tr>
<tr>
<td>Estimated Depth to First Occurrence of Groundwater</td>
<td>Typically greater than 20 feet below grade surface (bgs) in the central portion of the site; however, less than 2 feet bgs around the stream channels in the eastern and western portion of the site.</td>
</tr>
<tr>
<td>*Hydrogeologic Gradient</td>
<td>Not known - may be inferred to be parallel to topographic gradient (primarily to the northwest).</td>
</tr>
</tbody>
</table>

* The groundwater flow direction and the depth to shallow, unconfined groundwater, if present, would likely vary depending upon seasonal variations in rainfall and other hydrogeological features. Without the benefit of on-site groundwater monitoring wells surveyed to a datum, groundwater depth and flow direction beneath the site cannot be directly ascertained.
3.0 HISTORICAL USE INFORMATION

Terracon reviewed the following historical sources to develop a history of the previous uses of the site and surrounding area, in order to help identify past uses for indications of RECs associated with the site. Copies of selected historical documents are included in Appendix C.

3.1 Historical Topographic Maps, Aerial Photographs, Sanborn Maps

Readily available historical USGS topographic maps, selected historical aerial photographs (at approximately 10 to 15 year intervals) and historical fire insurance maps produced by the Sanborn Map Company were reviewed to evaluate land development and obtain information concerning the history of development on and near the site. Reviewed historical topographic maps, aerial photographs and Sanborn Maps are summarized below.

Historical fire insurance maps produced by the Sanborn Map Company were requested from EDR to evaluate past uses and relevant characteristics of the site and surrounding properties. Based upon inquiries to the above-listed Sanborn provider, Sanborn maps are not available for the site.

- **Topographic map:** Jersey, Georgia, published in 1964 PR 1985 (1:24,000)
- **Topographic map:** Social Circle, Georgia, published in 1971 (1:24,000)
- **Aerial photograph:**
  - USDA, 1939, 1” = 1,000’
  - USDA, 1940, 1” = 1,000’
  - USGS, 1951, 1” = 1,000’
  - USGS, 1960, 1” = 1,000’
  - USGS, 1971, 1” = 1,000’
  - USGS, 1988, 1” = 1,000’
  - USGS, 2007, 1” = 1,000’
  - USGS, 2010, 1” = 1,000’
  - USGS, 2013, 1” = 1,000’

### Historical Topographic Maps, Aerial Photographs and Sanborn Maps

<table>
<thead>
<tr>
<th>Direction</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>North</td>
<td>Wooded and grassed land with streams and scattered residences (1939 and 1940); wooded and grassed land with two ponds, streams, and scattered residences (1951); wooded and grassed land with streams and scattered residences (1960 and 1971); wooded and grassed land with a lake and scattered residences (1988, 2007, 2010, and 2013).</td>
</tr>
</tbody>
</table>
Phase I Environmental Site Assessment  
Georgia Historic Heartland Mega Site - ESA  
Social Circle, GA  
October 16, 2015  
Terracon Project No. 49157647

<table>
<thead>
<tr>
<th>Direction</th>
<th>Description</th>
</tr>
</thead>
</table>

### 3.2 Historical City Directories

The Haines Criss-Cross city directories used in this study were made available through the Atlanta-Fulton Public Library (selected years reviewed: 2013 - 1993) and were reviewed at approximate five-year intervals, if readily available. Since these references are copyright protected, reproductions are not provided in this report. Street listings not available prior to 1993. The current street address for the site was identified as Highway 11 and Hollis Road.

#### Historical City Directories

<table>
<thead>
<tr>
<th>Direction</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Site</td>
<td>No listing/no address.</td>
</tr>
<tr>
<td>West</td>
<td>Wooded land.</td>
</tr>
</tbody>
</table>

Please refer to Section 4.1 regarding the facility at 1313 Highway 11.

### 3.3 Site Ownership

Based on a review of information obtained from the Newton and Walton Counties Tax Assessors’ records, the current site owner is BPV Real Estate. In addition, previous owner identified included Mr. Bruce Vineyard (1989-2010).

### 3.4 Title Search

At the direction of the client, a title search was/was not included as part of the scope of services. Unless notified otherwise, we assume that the client is evaluating this information outside the scope of this report.
3.5 Environmental Liens and Activity and Use Limitations

Environmental lien and activity and use limitation records recorded against the site were not provided by the client. At the direction of the client, performance of a review of these records was not included as part of the scope of services and unless notified otherwise, we assume that the client is evaluating this information outside the scope of this report.

3.6 Interviews Regarding Current and Historical Site Uses

The following individuals were interviewed regarding the current and historical use of the site.

**Interviewees**

<table>
<thead>
<tr>
<th>Interviewer</th>
<th>Interviewee/Phone #</th>
<th>Title</th>
<th>Date/Time</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ms. Courtney Wilson</td>
<td>Mr. Chip Elliott / 770-978-0117</td>
<td>Property Manager/Owner</td>
<td>September 1, 2015</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Representative</td>
<td></td>
</tr>
</tbody>
</table>

According to Mr. Elliott, there is a former residence and two small cemeteries on the site. Also, portions of the site are being logged. Portions of the site are currently used for deer hunting. He is not aware of any pending, threatened or past environmental litigation, proceedings or notices of possible violations of environmental laws or liability or potential environmental concerns in connection with the site.

3.7 Prior Report Review

Terracon requested the client provide any previous reports they are aware of for the site. Previous reports were not provided by the client to Terracon for review.

4.0 RECORDS REVIEW

Regulatory database information was provided by EDR, a contract information services company. The purpose of the records review was to identify RECs in connection with the site. Information in this section is subject to the accuracy of the data provided by the information services company and the date at which the information is updated, and the scope herein did not include confirmation of facilities listed as "unmappable" by regulatory databases.

In some of the following subsections, the words up-gradient, cross-gradient and down-gradient refer to the topographic gradient in relation to the site. As stated previously, the groundwater flow direction and the depth to shallow groundwater, if present, would likely vary depending upon seasonal variations in rainfall and the depth to the soil/bedrock interface. Without the benefit of on-site groundwater monitoring wells surveyed to a datum, groundwater depth and flow direction beneath the site cannot be directly ascertained.
4.1 Federal and State/Tribal Databases

Listed below are the facility listings identified on federal and state/tribal databases within the ASTM-required search distances from the approximate site boundaries. Database definition, descriptions, and the database search report are included in Appendix D.

### Federal Databases

<table>
<thead>
<tr>
<th>Database</th>
<th>Description</th>
<th>Distance (miles)</th>
<th>Listings</th>
</tr>
</thead>
<tbody>
<tr>
<td>CERCLIS</td>
<td>Comprehensive Environmental Response, Compensation, &amp; Liability Information System</td>
<td>0.5</td>
<td>0</td>
</tr>
<tr>
<td>CERCLIS / NFRAP</td>
<td>Comprehensive Environmental Response, Compensation, &amp; Liability Information System/No Further Remedial Action Planned</td>
<td>0.5</td>
<td>0</td>
</tr>
<tr>
<td>ERNS</td>
<td>Emergency Response Notification System</td>
<td>Site</td>
<td>0</td>
</tr>
<tr>
<td>IC / EC</td>
<td>Institutional Control/Engineering Control</td>
<td>Site</td>
<td>0</td>
</tr>
<tr>
<td>NPL</td>
<td>National Priorities List</td>
<td>1</td>
<td>0</td>
</tr>
<tr>
<td>NPL (Delisted)</td>
<td>National Priorities Delisted List</td>
<td>0.5</td>
<td>0</td>
</tr>
<tr>
<td>RCRA CORRACTS/ TSD</td>
<td>RCRA Corrective Action Activity</td>
<td>1</td>
<td>0</td>
</tr>
<tr>
<td>RCRA Generators</td>
<td>Resource Conservation and Recovery Act</td>
<td>Site and adjoining properties</td>
<td>0</td>
</tr>
<tr>
<td>RCRA Non-CORRACTS/TSD</td>
<td>RCRA Non-Corrective Action Activity</td>
<td>0.5</td>
<td>0</td>
</tr>
</tbody>
</table>

### State/Tribal Databases

<table>
<thead>
<tr>
<th>Database</th>
<th>Description</th>
<th>Distance (miles)</th>
<th>Listings</th>
</tr>
</thead>
<tbody>
<tr>
<td>Brownfields</td>
<td>Brownfields Public Records List</td>
<td>0.5</td>
<td>0</td>
</tr>
<tr>
<td>IC</td>
<td>Institutional Controls</td>
<td>Site</td>
<td>0</td>
</tr>
<tr>
<td>LUST</td>
<td>Leaking Underground Storage Tanks</td>
<td>0.5</td>
<td>0</td>
</tr>
<tr>
<td>SHWS</td>
<td>State Hazardous Waste Site</td>
<td>0.5</td>
<td>0</td>
</tr>
<tr>
<td>SWF/LF</td>
<td>Solid Waste Disposal Facilities/Landfills</td>
<td>0.5</td>
<td>0</td>
</tr>
<tr>
<td>UST</td>
<td>Underground Storage Tanks</td>
<td>Site and adjoining properties</td>
<td>1</td>
</tr>
</tbody>
</table>

In addition to the above ASTM-required listings, Terracon reviewed other federal, state, local, and proprietary databases provided by the database firm. A list of the additional reviewed databases is included in the regulatory database report included in Appendix D.
The following table summarizes the site-specific information provided by the database and/or gathered by this office for identified facilities. Facilities are listed in order of proximity to the site. Additional discussion for selected facilities follows the summary table.

### Listed Facility

<table>
<thead>
<tr>
<th>Facility Name And Location</th>
<th>Estimated Distance / Direction/Gradient</th>
<th>Database Listings</th>
<th>Is a REC, CREC, or HREC to the Site</th>
</tr>
</thead>
<tbody>
<tr>
<td>Bubba’s/Bubba’s Convenience Store/ The Pit Stop 1313 Highway 11</td>
<td>Approximately 240 feet / southeast down-gradient</td>
<td>UST, AST, FINDS, and Financial Assurance</td>
<td>No, based on distance and file review.</td>
</tr>
</tbody>
</table>

**Bubba’s / Bubba’s Convenience Store / The Pit Stop**

During the site reconnaissance, The Pit Stop was observed approximately 240 feet southeast and topographically down-gradient in relation to the site. Based on file review, two USTs were removed from the ground and replaced in 1989 by three fiberglass USTs that are currently in use at the facility. All three USTs have passed their most recent tank tightness testing. Based on distance and topographic gradient, The Pit Stop/Bubba’s Convenience Store USTs do not constitute a REC associated with the site.

Unmapped facilities are those that do not contain sufficient address or location information to evaluate the facility listing locations relative to the site. The report did not list facilities in the unmapped section.

### 4.2 Local Agency Inquiries

<table>
<thead>
<tr>
<th>Agency Contacted/ Contact Method</th>
<th>Response</th>
</tr>
</thead>
<tbody>
<tr>
<td>Newton County Environmental Health Department / 770-784-2121</td>
<td>According to a representative of the Health Department, she was unaware of any environmental concerns or septic system records associated with the site.</td>
</tr>
<tr>
<td>Newton County Fire Services / <a href="mailto:bstapp@co.newton.ga.us">bstapp@co.newton.ga.us</a></td>
<td>According to Deputy Chief Brad Stapp of the Newton County Fire Services, he was unaware of any environmental concerns or Fire Department responses associated with the site.</td>
</tr>
</tbody>
</table>
5.0 SITE RECONNAISSANCE

5.1 General Site Information

Information contained in this section is based on a visual reconnaissance conducted while walking through the site and the accessible interior areas of structures, if any, located on the site. Exhibit 2 in Appendix A is a Site Diagram of the site. Photo documentation of the site at the time of the visual reconnaissance is provided in Appendix B. Credentials of the individuals planning and conducting the site visit are included in Appendix E.

<table>
<thead>
<tr>
<th>Site Reconnaissance</th>
</tr>
</thead>
<tbody>
<tr>
<td>Field Personnel</td>
</tr>
<tr>
<td>Reconnaissance Date</td>
</tr>
<tr>
<td>Weather Conditions</td>
</tr>
<tr>
<td>Site Contact/Title</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Building Description</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Building Identification</strong></td>
</tr>
<tr>
<td>N/A</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Site Utilities</th>
</tr>
</thead>
<tbody>
<tr>
<td>Drinking Water</td>
</tr>
<tr>
<td>Wastewater</td>
</tr>
</tbody>
</table>

5.2 Overview of Current Site Occupants

The site consists of undeveloped wooded land and grassed land containing a vacant residence, multiple unpaved roads, two ponds, and multiple streams.

5.3 Overview of Current Site Operations

No operations are currently conducted at the site.

5.4 Site Observations

The following table summarizes site observations and interviews. Affirmative responses (designated by an "X") are discussed in more detail following the table.
## Site Characteristics

<table>
<thead>
<tr>
<th>Category</th>
<th>Item or Feature</th>
<th>Observed or Identified</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td><strong>Site Operations, Processes, and Equipment</strong></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Emergency generators</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Elevators</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Air compressors</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Hydraulic lifts</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Dry cleaning</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Photo processing</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Ventilation hoods and/or incinerators</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Waste treatment systems and/or water treatment systems</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Heating and/or cooling systems</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Paint booths</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Sub-grade mechanic pits</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Wash-down areas or carwashes</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Vehicle repair or maintenance</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Pesticide/herbicide production or storage</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Printing operations</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Metal finishing (e.g., electroplating, chrome plating, galvanizing, etc.)</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Salvage operations</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Oil, gas or mineral production</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Other processes or equipment</td>
<td></td>
</tr>
<tr>
<td></td>
<td><strong>Aboveground Chemical or Waste Storage</strong></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Aboveground storage tanks</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Drums, barrels and/or containers ≥ 5 gallons</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Material Safety Data Sheet (MSDS)</td>
<td></td>
</tr>
<tr>
<td></td>
<td><strong>Underground Chemical or Waste Storage, Drainage or Collection Systems</strong></td>
<td></td>
</tr>
<tr>
<td></td>
<td>USTs or ancillary UST equipment</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Sumps, cisterns, French drains, catch basins and/or dry wells</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Grease traps</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Septic tanks and/or leach fields</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Oil/water separators, clarifiers, sand traps, triple traps, interceptors</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Pipeline markers</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Interior floor drains</td>
<td></td>
</tr>
<tr>
<td></td>
<td><strong>Electrical Transformers/PCBs</strong></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Transformers and/or capacitors</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Other equipment</td>
<td></td>
</tr>
</tbody>
</table>
Trash, debris and/or other waste materials
Trash and debris were observed in various locations across the site during the site reconnaissance. Based on visual observation (only of surface materials), tires, household appliances, bottles and cans was observed. Leakage, spills or other releases from these materials were not observed during the visual reconnaissance. The debris materials did not appear to be hazardous in nature and do not constitute a REC associated with the site.

Other Notable Site Features
Surface water bodies
Two ponds and multiple stream channels were observed on the site. No evidence of chemical sheens was observed on the surface of the waters, and no noxious odors were noted emanating from within the ponds and streams at the time of the site reconnaissance.
6.0 ADJOINING PROPERTY RECONNAISSANCE

Visual observations of adjoining properties (from site boundaries) are summarized below.

<table>
<thead>
<tr>
<th>Direction</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>North</td>
<td>A lake, scattered residences, wooded land, power line easement, and roads.</td>
</tr>
<tr>
<td>East</td>
<td>Wooded land, scattered residences, roads, and a railroad track.</td>
</tr>
<tr>
<td>South</td>
<td>Railroad track, wooded land, scattered residences, and roads.</td>
</tr>
<tr>
<td>West</td>
<td>Wooded land, grassed land, scattered residences, and roads.</td>
</tr>
</tbody>
</table>

Indications of RECs were not observed with the adjoining properties.

7.0 ADDITIONAL SERVICES

Per the agreed scope of services specified in the proposal, the following additional services (e.g. Wetland Services, Protected Species Survey, and Cultural Resource Survey) were conducted under separate covers.

8.0 DECLARATION

I, John A. Meadow, declare that, to the best of my professional knowledge and belief, I meet the definition of Environmental Professional as defined in Section 312.10 of 40 CFR 312; and I have the specific qualifications based on education, training, and experience to assess a property of the nature, history, and setting of the site. I have developed and performed the All Appropriate Inquiries in conformance with the standards and practices set forth in 40 CFR Part 312.

John A. Meadow
Department Manager III-Professional
UNITED STATES - DEPARTMENT OF THE INTERIOR - GEOLOGICAL SURVEY

QUADRANGLE
JERSEY, GA 1964 PR 1985
SOCIAL CIRCLE, GA 1971 PI 1981
7.5 MINUTE SERIES (TOPOGRAPHIC)

SCALE 1:24 000

CONTOUR INTERVAL 20 FEET
NATIONAL GEODETIC VERTICAL DATUM OF 1929

*INDICATES WHICH MAP SITE IS LOCATED ON

TOPOGRAPHIC VICINITY MAP
PHASE I ENVIRONMENTAL SITE ASSESSMENT
GEORGIA HISTORIC HEARTLAND MEGA SITE
HIGHWAY 11 AND HOLLIS ROAD
SOCIAL CIRCLE, GEORGIA

EXHIBIT 1

[Map of the area with contour lines and site indicated]
Phase I ESA - Terracon Project No. 49157647  
**Project Name:** Georgia Historic Heartland Mega Site  
**Date Photos Taken:** September 24, 2015

**Photo 1:** View of the central portion the site facing east.

**Photo 2:** View of the vacant residence in the southern portion of the site.

**Photo 3:** View of the logging area in the central-western portion of the site.

**Photo 4:** View of the lake and residence to the north of the site.
Photo 5: Typical view of appliance debris on the site.

Photo 6: Typical view of tires, cans, and bottles debris pile on the site.

Photo 7: View of the western pond.

Photo 8: View of the eastern pond.
Photo 9: View of the railroad track that borders the site to the south and east.

Photo 10: View of The Pit Stop gas station to the southeast of the site.

Photo 11: View of the unpaved road on the northeastern portion of the site.

Photo 12: View of the railroad track and the northeastern portion of the site facing west.
Georgia Historic Heartland Mega Site
Highway 11 and Hollis Road
Social Circle, GA 30025

Inquiry Number: 4417623.3
September 22, 2015
The Sanborn Library has been searched by EDR and maps covering the target property location as provided by Terracon, Inc. were identified for the years listed below. The Sanborn Library is the largest, most complete collection of fire insurance maps. The collection includes maps from Sanborn, Bromley, Perris & Browne, Hopkins, Barlow, and others. Only Environmental Data Resources Inc. (EDR) is authorized to grant rights for commercial reproduction of maps by the Sanborn Library LLC, the copyright holder for the collection. Results can be authenticated by visiting www.edrnet.com/sanborn.

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

**Certified Sanborn Results:**

**Site Name:** Georgia Historic Heartland Mega Site  
**Address:** Highway 11 and Hollis Road  
**City, State, Zip:** Social Circle, GA 30025  
**Cross Street:** NA  
**Project:** 49157647  
**Certification #** 5666-41C6-8D67

**UNMAPPED PROPERTY**

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

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Georgia Historic Heartland Mega Site
Highway 11 and Hollis Road
Social Circle, GA 30025

Inquiry Number: 4426390.1
October 14, 2015
EDR Aerial Photo Decade Package

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Date EDR Searched Historical Sources:
Aerial Photography October 14, 2015

Target Property:
Highway 11 and Hollis Road
Social Circle, GA 30025

<table>
<thead>
<tr>
<th>Year</th>
<th>Scale</th>
<th>Details</th>
<th>Source</th>
</tr>
</thead>
<tbody>
<tr>
<td>1939</td>
<td>Aerial Photograph. Scale: 1”=1000'</td>
<td>Flight Year: 1939</td>
<td>USDA</td>
</tr>
<tr>
<td>1939</td>
<td>Aerial Photograph. Scale: 1”=1000'</td>
<td>Flight Year: 1939</td>
<td>USDA</td>
</tr>
<tr>
<td>1940</td>
<td>Aerial Photograph. Scale: 1”=1000'</td>
<td>Flight Year: 1940</td>
<td>USDA</td>
</tr>
<tr>
<td>1940</td>
<td>Aerial Photograph. Scale: 1”=1000'</td>
<td>Flight Year: 1940</td>
<td>USDA</td>
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<tr>
<td>1951</td>
<td>Aerial Photograph. Scale: 1”=1000'</td>
<td>Flight Year: 1951</td>
<td>USGS</td>
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</tr>
<tr>
<td>1960</td>
<td>Aerial Photograph. Scale: 1”=1000'</td>
<td>Flight Year: 1960</td>
<td>USDA</td>
</tr>
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<td>Flight Year: 1971</td>
<td>USGS</td>
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<td>2013</td>
<td>Aerial Photograph. Scale: 1”=1000'</td>
<td>Flight Year: 2013</td>
<td>USGS</td>
</tr>
</tbody>
</table>
ASTM E 1527-13 USER QUESTIONNAIRE
Page 1 of 3

In order to qualify for one of the Landowner Liability Protections (LLPs) offered by the Small Business Relief and Brownfields Revitalization Act of 2002 (the “Brownfields Amendments”), the user must respond to the following questions. Failure to provide this information to the environmental professional may result in significant data gaps, which may limit our ability to identify recognized environmental conditions resulting in a determination that “all appropriate inquiry” is not complete. This form represents a type of interview and as such, the user has an obligation to answer all questions in good faith, to the extent of their actual knowledge.

Site Name:  
Site Address:

1) Did a search of records land title records (or judicial records where appropriate) identify any environmental liens filed or recorded against the property under federal, tribal, state, or local law (40 CFR 312.25)? X No _Yes If yes, please explain.

2) Did a search of recorded land title records (or judicial records where appropriate identify any activity and use limitations (AULs), such as engineering controls, land use restrictions, or institutional controls that are in place at the property and/or have been filed or recorded against the property under federal, tribal, state, or local law (40 CFR 312.26)? X No _Yes If yes, please explain.

3) Do you have any specialized knowledge or experience related to the site or nearby properties? For example, are you involved in the same line of business as the current or former occupants of the site or an adjoining property so that you would have specialized knowledge of the chemicals and processes used by this type of business (40 CFR 312.29)? X No _Yes If yes, please explain.

Historical information shared by elderly people who worked on the property in early 1900’s (Hamby, Mitchell, Malcolm) is that the land was agricultural in nature, primarily cotton (geographically supported by the terraces still visible). Later, Timber (pine) was planted and harvested. Now in the 1980’s the Reynolds family owned the property in the 1980's, they were farmers and had a general store in town. (HSVW)

4) Does the purchase price being paid for this site reasonably reflect the fair market value of the site (40 CFR 312.29)? X No _Yes Original Cost basis was based on Agricultural use.

If no, have you considered whether the lower purchase price is because contamination is known or believed to be present at the site (40 CFR 312.29)? X No _Yes If yes, please explain. As no manufacturing on site, agriculture should have no effects on the land, and can think of NO reason why any contamination would be present.

5) Are you aware of commonly known or reasonably ascertainable information about the site that would help the environmental professional to identify conditions indicative of releases or threatened releases (40 CFR 312.30)? X No _Yes If yes, please explain.

(Other than sources named above).

6) Based on your knowledge and experience related to the site, are there any obvious indicators that point to the presence or likely presence of contamination at the site (40 CFR 312.31)? X No _Yes If yes, please explain.

Request for Information and Documentation

In addition to the specific questions outlined above, the user is requested to provide the following information and documentation, as available. ASTM requires that this information, if available, be provided to the environmental professional prior to the site visit.

Please return this form with the signed and completed Agreement for Services.
<table>
<thead>
<tr>
<th>Item Supplied &quot;X&quot;</th>
<th>Not Applicable, Not Available or Not Known &quot;X&quot;</th>
<th>Item Requested (See Proposal)</th>
<th>Contacts/Comments or Indicate Attachment</th>
</tr>
</thead>
</table>
| X                |                                               | Point of Contact for Access   | Name/Phone: Susan Wahl for Bruce Vineyard  
770-464-0064 H, 770-402-3234 Cell |
|                  |                                               | Current Site Owner            | Name/Phone: Bruce Vineyard, Mgr.  
BPV Real Est.  
Hollings |
|                  |                                               | Current Facility Operator     | Name/Phone: N/A                       |
|                  |                                               | Contacts for Prior Owners     | Name/Phone: Deceased                   |
|                  |                                               | Contacts for Prior Occupants  | Name/Phone: Deceased                   |
|                  |                                               | Access Restrictions           | Gate                                   |
|                  |                                               | Notification of Special       |                                        |
|                  |                                               | Requirements Regarding       |                                        |
|                  |                                               | Confidentiality               |                                        |
|                  |                                               | Legal Description and         |                                        |
|                  |                                               | Diagram / Survey of Site      |                                        |
|                  |                                               | Chain of Title with           | Georgia Kraft/ Hollis/Sigman           |
|                  |                                               | Grantor/Grantee Summary (back to 1940 or first developed use) |                                        |
|                  |                                               | Reasons for Conducting ESA    | Potential Sale of Property             |

Please return this form with the signed and completed Agreement for Services.
Site Name:

Site Address:

Helpful Documents Checklist

Pursuant to ASTM E 1527-13 § 10.8, do you know whether any of the following documents exist related to the subject property and, if so, whether copies can and will be provided to the environmental professional? Check all that apply:

- [ ] Environmental site assessment reports
- [ ] Environmental compliance audit reports
- [ ] Geotechnical studies
- [ ] Reports regarding hydrogeologic conditions on the property or surrounding area
- [ ] Registrations for above or underground storage tanks
  
- [ ] Notices or other correspondence from any governmental agency relating to past or current violations of environmental laws with respect to the property or relating to environmental liens encumbering the property
- [ ] Registrations for underground injection systems
- [ ] Environmental permits, plans, solid waste permits, hazardous waste disposal permits, wastewater permits, NPDES permits, underground injection permits, SPCC plans

Name (Authorized Client Representative):

[Signature]

Date: 10/16/15

Title: Managing Member

Owner/Managing Member

BPV Real Estate Holdings, LLC

Please return this form with the signed and completed Agreement for Services.
APPENDIX D
Georgia Historic Heartland Mega Site
Highway 11 and Hollis Road
Social Circle, GA  30025

Inquiry Number: 4417623.2s
September 22, 2015

The EDR Radius Map™ Report with GeoCheck®
Thank you for your business.
Please contact EDR at 1-800-352-0050 with any questions or comments.
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**

HIGHWAY 11 AND HOLLIS ROAD  
SOCIAL CIRCLE, GA 30025

**COORDINATES**

Latitude (North): 33.6368000 - 33° 38' 12.48"
Longitude (West): 83.7379000 - 83° 44' 16.44"
Universal Tranverse Mercator: Zone 17
UTM X (Meters): 246046.6
UTM Y (Meters): 3725055.5
Elevation: 768 ft. above sea level

**USGS TOPOGRAPHIC MAP ASSOCIATED WITH TARGET PROPERTY**

- Target Property Map: 6046874 SOCIAL CIRCLE, GA  
  Version Date: 2014
- Southeast Map: 6046860 MANSFIELD, GA  
  Version Date: 2014
- Southwest Map: 6046842 COVINGTON, GA  
  Version Date: 2014
- Northwest Map: 6046854 JERSEY, GA  
  Version Date: 2014

**AERIAL PHOTOGRAPHY IN THIS REPORT**

Portions of Photo from: 20100918, 20100905  
Source: USDA
Target Property Address:
HIGHWAY 11 AND HOLLIS ROAD
SOCIAL CIRCLE, GA  30025

Click on Map ID to see full detail.

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<tr>
<th>MAP ID</th>
<th>SITE NAME</th>
<th>ADDRESS</th>
<th>DATABASE ACRONYMS</th>
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<td>AST</td>
<td>Higher</td>
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</table>
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
- CERCLIS ..................... Comprehensive Environmental Response, Compensation, and Liability Information System

**Federal CERCLIS NFRAP site List**
- CERC-NFRAP ................ CERCLIS No Further Remedial Action Planned

**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. Hazardous Site Inventory
GA NON-HSI. Non-Hazardous Site Inventory

State and tribal landfill and/or solid waste disposal site lists
SWF/LF. Solid Waste Disposal Facilities

State and tribal leaking storage tank lists
LUST. List of Leaking Underground Storage Tanks
INDIAN LUST. Leaking Underground Storage Tanks on Indian Land

State and tribal registered storage tank lists
FEMA UST. Underground Storage Tank Listing
INDIAN UST. Underground Storage Tanks on Indian Land

State and tribal institutional control / engineering control registries
INST CONTROL. Public Record List
AUL. Uniform Environmental Covenants

State and tribal voluntary cleanup sites
INDIAN VCP. Voluntary Cleanup Priority Listing
VCP. Voluntary Cleanup Program site

State and tribal Brownfields sites
BROWNFIELDS. Brownfields Public Record List

ADDITIONAL ENVIRONMENTAL RECORDS

Local Brownfield lists
US BROWNFIELDS. A Listing of Brownfields Sites

Local Lists of Landfill / Solid Waste Disposal Sites
SWRCY. Recycling Center Listing
HIST LF. Historical Landfills
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

Local Lists of Hazardous waste / Contaminated Sites
US HIST CDL. National Clandestine Laboratory Register
EDR US Hist Auto Stat EDR Exclusive Historic Gas Stations
EDR US Hist Cleaners, 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 identified in the following databases.

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

Sites listed in bold italics are in multiple databases.

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

STANDARD ENVIRONMENTAL RECORDS

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

A review of the UST list, as provided by EDR, and dated 07/01/2013 has revealed that there is 1 UST site within approximately 0.375 miles of the target property.

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<tr>
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<th>Address</th>
<th>Direction / Distance</th>
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<tr>
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<td>1313 HWY 11</td>
<td>SSE 0 - 1/8 (0.073 mi.)</td>
<td>A3</td>
<td>8</td>
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Status: Installed
Status: Removed From Ground
Status: Upgrade Repair Not Marked
Status: Currently In Use
Facility Status: Active
Facility Id: 1470061

AST: A listing of LP gas tank site locations.

A review of the AST list, as provided by EDR, and dated 06/04/2012 has revealed that there is 1 AST site within approximately 0.375 miles of the target property.

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<td>SSE 0 - 1/8 (0.073 mi.)</td>
<td>A1</td>
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</table>
EXECUTIVE SUMMARY

Tank Capacity: 360
Number of Tanks: 18

ADDITIONAL ENVIRONMENTAL RECORDS

Other Ascertainable Records

FINDS: The Facility Index System contains both facility information and "pointers" to other sources of information that contain more detail. These include: RCRIS; Permit Compliance System (PCS); Aerometric Information Retrieval System (AIRS); FATES (FIFRA [Federal Insecticide Fungicide Rodenticide Act] and TSCA Enforcement System, FTTS [FIFRA/TSCA Tracking System]; CERCLIS; DOCKET (Enforcement Docket used to manage and track information on civil judicial enforcement cases for all environmental statutes); Federal Underground Injection Control (FURS); Federal Reporting Data System (FRDS); Surface Impoundments (SIA); TSCA Chemicals in Commerce Information System (CICS); PADS; RCRA-J (medical waste transporters/disposers); TRIS; and TSCA. The source of this database is the U.S. EPA/NTIS.

A review of the FINDS list, as provided by EDR, and dated 01/18/2015 has revealed that there is 1 FINDS site within approximately 0.125 miles of the target property.

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

A review of the Financial Assurance list, as provided by EDR, and dated 07/01/2013 has revealed that there is 1 Financial Assurance site within approximately 0.125 miles of the target property.

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<td>SSE 0 - 1/8 (0.073 mi.)</td>
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Facility Id: 1470061
There were no unmapped sites in this report.
## MAP FINDINGS SUMMARY

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### MAP FINDINGS SUMMARY

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### EDR HIGH RISK HISTORICAL RECORDS

#### EDR Exclusive Records

| EDR MGP                         | 1.125                   | 0               | 0     | 0         | 0         | 0       | 0   | 0            |
| EDR US Hist Auto Stat           | 0.375                   | 0               | 0     | 0         | NR        | NR      | NR  | 0            |
| EDR US Hist Cleaners            | 0.375                   | 0               | 0     | 0         | NR        | NR      | NR  | 0            |

### EDR RECOVERED GOVERNMENT ARCHIVES

#### Exclusive Recovered Govt. Archives

| RGA HWS                        | 0.125                   | 0               | NR    | NR        | NR        | NR      | NR  | 0            |
| RGA LF                         | 0.125                   | 0               | NR    | NR        | NR        | NR      | NR  | 0            |
| RGA LUST                       | 0.125                   | 0               | NR    | NR        | NR        | NR      | NR  | 0            |

- Totals --                     | 0                       | 4               | 0     | 0         | 0         | 0       | 0   | 4            |
## MAP FINDINGS SUMMARY

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<th>Database</th>
<th>Search Distance (Miles)</th>
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**NOTES:**
- **TP** = Target Property
- **NR** = Not Requested at this Search Distance
- Sites may be listed in more than one database
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<td>Environmental Interest/Information System GEIMS (Geographic Environmental Information Management System) provides the EPA and Public a single point of access to core data for all facilities and sites regulated or monitored by the EPA and a single system for the reporting of all environmental data.</td>
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THE PIT STOP (Continued)

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Status: Installed
Status Date: 05/11/1965

Tank ID: 2
Status: Upgrade Repair Not Marked
Status Date: Not reported

Tank ID: 2
Status: Removed From Ground
Status Date: 01/01/1989

Tank ID: 3
Status: Currently In Use
Status Date: 01/01/1989

Tank ID: 3
Status: Installed
Status Date: 01/01/1989

Tank ID: 3
Status Date: 01/01/1989

U003936262
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- Facility ID: 1470061
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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.

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**NPL Site Boundaries**

**Sources:**

- EPA’s Environmental Photographic Interpretation Center (EPIC)
  - Telephone: 202-564-7333
- EPA Region 1
  - Telephone: 617-918-1143
- EPA Region 2
  - Telephone: 617-918-1143
- EPA Region 3
  - Telephone: 215-814-5418
- EPA Region 4
  - Telephone: 404-562-8033
- EPA Region 5
  - Telephone: 312-886-6686
- EPA Region 6
  - Telephone: 214-655-6659
- EPA Region 7
  - Telephone: 913-551-7247
- EPA Region 8
  - Telephone: 303-312-6774
- 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.

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**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.

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**Data Release Frequency:** Quarterly

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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: 03/26/2015  Source: EPA
Date Data Arrived at EDR: 04/08/2015  Telephone: N/A
Date Made Active in Reports: 06/22/2015  Last EDR Contact: 07/09/2015
Number of Days to Update: 75  Next Scheduled EDR Contact: 10/19/2015
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: 03/26/2015  Source: Environmental Protection Agency
Date Data Arrived at EDR: 04/08/2015  Telephone: 703-603-8704
Date Made Active in Reports: 06/11/2015  Last EDR Contact: 07/10/2015
Number of Days to Update: 64  Next Scheduled EDR Contact: 10/19/2015
Data Release Frequency: Varies

CERCLIS: Comprehensive Environmental Response, Compensation, and Liability Information System
CERCLIS 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). CERCLIS contains sites which are either proposed to or on the National Priorities
List (NPL) and sites which are in the screening and assessment phase for possible inclusion on the NPL.

Date of Government Version: 10/25/2013  Source: EPA
Date Data Arrived at EDR: 11/11/2013  Telephone: 703-412-9810
Date Made Active in Reports: 02/13/2014  Last EDR Contact: 05/29/2015
Number of Days to Update: 94  Next Scheduled EDR Contact: 09/07/2015
Data Release Frequency: Quarterly

Federal CERCLIS NFRAP site List

CERCLIS-NFRAP: CERCLIS No Further Remedial Action Planned
Archived sites are sites that have been removed and archived from the inventory of CERCLIS 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 this 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.
This decision does not necessarily mean that there is no hazard associated with a given site; it only means that,
based upon available information, the location is not judged to be a potential NPL site.

Date of Government Version: 10/25/2013  Source: EPA
Date Data Arrived at EDR: 11/11/2013  Telephone: 703-412-9810
Date Made Active in Reports: 02/13/2014  Last EDR Contact: 05/29/2015
Number of Days to Update: 94  Next Scheduled EDR Contact: 09/07/2015
Data Release Frequency: Quarterly

Federal RCRA CORRACTS facilities list

CORRACTS: Corrective Action Report
CORRACTS identifies hazardous waste handlers with RCRA corrective action activity.
Federal RCRA non-CORRACTS TSD facilities list

RCRA-TSDFs: 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.

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.

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.

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.
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: 05/28/2015
- Source: Department of the Navy
- Date Data Arrived at EDR: 05/29/2015
- Telephone: 843-820-7326
- Date Made Active in Reports: 06/11/2015
- Last EDR Contact: 08/12/2015
- Number of Days to Update: 13
- Next Scheduled EDR Contact: 11/30/2015
- 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: 06/09/2015
- Source: Environmental Protection Agency
- Date Data Arrived at EDR: 06/26/2015
- Telephone: 703-603-0695
- Date Made Active in Reports: 09/02/2015
- Last EDR Contact: 08/31/2015
- Number of Days to Update: 68
- Next Scheduled EDR Contact: 12/14/2015
- 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: 06/09/2015
- Source: Environmental Protection Agency
- Date Data Arrived at EDR: 06/26/2015
- Telephone: 703-603-0695
- Date Made Active in Reports: 09/02/2015
- Last EDR Contact: 08/31/2015
- Number of Days to Update: 68
- Next Scheduled EDR Contact: 12/14/2015
- Data Release Frequency: Varies

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: 06/22/2015
- Source: National Response Center, United States Coast Guard
- Date Data Arrived at EDR: 06/26/2015
- Telephone: 202-267-2180
- Date Made Active in Reports: 09/16/2015
- Last EDR Contact: 06/26/2015
- Number of Days to Update: 82
- Next Scheduled EDR Contact: 10/12/2015
- Data Release Frequency: Annually

State- and tribal - equivalent CERCLIS

SHWS: Hazardous Site Inventory
State Hazardous Waste Sites. State hazardous waste site records are the states’ equivalent to CERCLIS. These sites may or may not already be listed on the federal CERCLIS list. Priority sites planned for cleanup using state funds (state equivalent of Superfund) are identified along with sites where cleanup will be paid for by potentially responsible parties. Available information varies by state.

- Date of Government Version: 07/01/2015
- Source: Department of Environmental Protection
- Date Data Arrived at EDR: 07/07/2015
- Telephone: 404-657-8600
- Date Made Active in Reports: 07/23/2015
- Last EDR Contact: 06/24/2015
- Number of Days to Update: 16
- Next Scheduled EDR Contact: 10/12/2015
- Data Release Frequency: Annually
NON HSI: Non-Hazardous Site Inventory
This list was obtained by EDR in 1998 and contains property listings that have reported contamination of soil
or groundwater under the Georgia Hazardous Site Response Act (HSRA). These sites were not placed on the Georgia
Priority list (Hazardous Site Inventory or HSI) because their hazard evaluation scores did not exceed the threshold
levels established for sites posing an imminent threat to health or the environment. Disclaimer provided by Rindt-McDuff
Associates - the database information has been obtained from publicly available sources produced by other entities.
While reasonable steps have been taken to insure the accuracy of the data, RMA does not guarantee the accuracy
of the data. No claim is made for the actual existence of pollution at any site. This data does not constitute
a legal opinion.

Date of Government Version: 07/09/2015  
Date Data Arrived at EDR: 07/13/2015  
Date Made Active in Reports: 07/23/2015  
Number of Days to Update: 10

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

SWF/LF: Solid Waste Disposal Facilities
Solid Waste Facilities/Landfill Sites. SWF/LF type records typically contain an inventory of solid waste disposal
facilities or landfills in a particular state. Depending on the state, these may be active or inactive facilities
or open dumps that failed to meet RCRA Subtitle D Section 4004 criteria for solid waste landfills or disposal
sites.

Date of Government Version: 06/04/2014  
Date Data Arrived at EDR: 08/08/2014  
Date Made Active in Reports: 09/08/2014  
Number of Days to Update: 31

State and tribal leaking storage tank lists

LUST: List of Leaking Underground Storage Tanks
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: 07/02/2014  
Date Data Arrived at EDR: 07/08/2014  
Date Made Active in Reports: 08/19/2014  
Number of Days to Update: 42

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: 02/03/2015  
Date Data Arrived at EDR: 04/30/2015  
Date Made Active in Reports: 06/22/2015  
Number of Days to Update: 53

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

Date of Government Version: 09/30/2014  
Date Data Arrived at EDR: 03/03/2015  
Date Made Active in Reports: 03/13/2015  
Number of Days to Update: 10
INDIAN LUST R10: Leaking Underground Storage Tanks on Indian Land
Date of Government Version: 02/03/2015
Date Data Arrived at EDR: 02/12/2015
Date Made Active in Reports: 03/13/2015
Number of Days to Update: 29
Source: EPA Region 10
Telephone: 206-553-2857
Last EDR Contact: 07/22/2015
Next Scheduled EDR Contact: 11/09/2015
Data Release Frequency: Quarterly

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: 01/08/2015
Date Data Arrived at EDR: 01/08/2015
Date Made Active in Reports: 02/09/2015
Number of Days to Update: 32
Source: Environmental Protection Agency
Telephone: 415-972-3372
Last EDR Contact: 07/31/2015
Next Scheduled EDR Contact: 11/09/2015
Data Release Frequency: Quarterly

INDIAN LUST R6: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in New Mexico and Oklahoma.
Date of Government Version: 03/17/2015
Date Data Arrived at EDR: 05/01/2015
Date Made Active in Reports: 06/22/2015
Number of Days to Update: 52
Source: EPA Region 6
Telephone: 214-665-6597
Last EDR Contact: 07/22/2015
Next Scheduled EDR Contact: 11/09/2015
Data Release Frequency: Quarterly

INDIAN LUST R7: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in Iowa, Kansas, and Nebraska.
Date of Government Version: 03/30/2015
Date Data Arrived at EDR: 04/28/2015
Date Made Active in Reports: 06/22/2015
Number of Days to Update: 55
Source: EPA Region 7
Telephone: 913-551-7003
Last EDR Contact: 07/22/2015
Next Scheduled EDR Contact: 11/09/2015
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: 04/30/2015
Date Data Arrived at EDR: 05/05/2015
Date Made Active in Reports: 06/22/2015
Number of Days to Update: 48
Source: EPA Region 8
Telephone: 303-312-6271
Last EDR Contact: 07/22/2015
Next Scheduled EDR Contact: 11/09/2015
Data Release Frequency: Varies

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: 04/30/2015
Date Data Arrived at EDR: 05/29/2015
Date Made Active in Reports: 06/22/2015
Number of Days to Update: 24
Source: EPA, Region 5
Telephone: 312-886-7439
Last EDR Contact: 07/22/2015
Next Scheduled EDR Contact: 11/09/2015
Data Release Frequency: Quarterly

State and tribal registered storage tank lists

FEMA UST: Underground Storage Tank Listing
A listing of all FEMA owned underground storage tanks.
Date of Government Version: 01/01/2010
Date Data Arrived at EDR: 02/16/2010
Date Made Active in Reports: 04/12/2010
Number of Days to Update: 55
Source: FEMA
Telephone: 202-646-5797
Last EDR Contact: 07/10/2015
Next Scheduled EDR Contact: 10/28/2015
Data Release Frequency: Varies
UST: Underground Storage Tank Database
Registered Underground Storage Tanks. UST’s are regulated under Subtitle I of the Resource Conservation and Recovery Act (RCRA) and must be registered with the state department responsible for administering the UST program. Available information varies by state program.
Date of Government Version: 07/01/2013
Source: Environmental Protection Division
Date Data Arrived at EDR: 09/13/2013
Telephone: 404-362-2687
Date Made Active in Reports: 10/03/2013
Last EDR Contact: 06/15/2015
Number of Days to Update: 20
Next Scheduled EDR Contact: 09/28/2015
Data Release Frequency: Annually

AST: Above Ground Storage Tanks
A listing of LP gas tank site locations.
Date of Government Version: 06/04/2012
Source: Office of Insurance & Safety Fire Commissioner
Date Data Arrived at EDR: 06/05/2012
Telephone: 404-656-5875
Date Made Active in Reports: 06/14/2012
Last EDR Contact: 06/08/2015
Number of Days to Update: 9
Next Scheduled EDR Contact: 09/07/2015
Data Release Frequency: Varies

INDIAN UST R1: Underground Storage Tanks on Indian Land
The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 1 (Connecticut, Maine, Massachusetts, New Hampshire, Rhode Island, Vermont and ten Tribal Nations).
Date of Government Version: 02/03/2015
Source: EPA, Region 1
Date Data Arrived at EDR: 04/30/2015
Telephone: 617-918-1313
Date Made Active in Reports: 06/22/2015
Last EDR Contact: 07/31/2015
Number of Days to Update: 53
Next Scheduled EDR Contact: 11/09/2015
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: 12/14/2014
Source: EPA Region 9
Date Data Arrived at EDR: 02/13/2015
Telephone: 415-972-3368
Date Made Active in Reports: 03/13/2015
Last EDR Contact: 07/31/2015
Number of Days to Update: 28
Next Scheduled EDR Contact: 11/09/2015
Data Release Frequency: Quarterly

INDIAN UST R10: Underground Storage Tanks on Indian Land
Date of Government Version: 05/06/2015
Source: EPA Region 10
Date Data Arrived at EDR: 05/19/2015
Telephone: 206-553-2857
Date Made Active in Reports: 06/22/2015
Last EDR Contact: 07/22/2015
Number of Days to Update: 34
Next Scheduled EDR Contact: 11/09/2015
Data Release Frequency: Quarterly

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: 09/30/2014
Source: EPA Region 4
Date Data Arrived at EDR: 03/03/2015
Telephone: 404-562-9424
Date Made Active in Reports: 03/13/2015
Last EDR Contact: 07/22/2015
Number of Days to Update: 10
Next Scheduled EDR Contact: 11/09/2015
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: 04/30/2015  
Source: EPA Region 5
Date Data Arrived at EDR: 05/26/2015  
Telephone: 312-886-6136
Date Made Active in Reports: 06/22/2015  
Last EDR Contact: 07/22/2015
Number of Days to Update: 27  
Next Scheduled EDR Contact: 11/09/2015
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: 09/23/2014  
Source: EPA Region 7
Date Data Arrived at EDR: 11/25/2014  
Telephone: 913-551-7003
Date Made Active in Reports: 01/29/2015  
Last EDR Contact: 07/22/2015
Number of Days to Update: 65  
Next Scheduled EDR Contact: 11/09/2015
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: 03/17/2015  
Source: EPA Region 6
Date Data Arrived at EDR: 05/01/2015  
Telephone: 214-665-7591
Date Made Active in Reports: 06/22/2015  
Last EDR Contact: 07/22/2015
Number of Days to Update: 52  
Next Scheduled EDR Contact: 11/09/2015
Data Release Frequency: Semi-Annually

INDIAN UST R8: Underground Storage Tanks on Indian Land
The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 8 (Colorado, Montana, North Dakota, South Dakota, Utah, Wyoming and 27 Tribal Nations).

Date of Government Version: 04/30/2015  
Source: EPA Region 8
Date Data Arrived at EDR: 05/05/2015  
Telephone: 303-312-6137
Date Made Active in Reports: 06/22/2015  
Last EDR Contact: 07/22/2015
Number of Days to Update: 48  
Next Scheduled EDR Contact: 11/09/2015
Data Release Frequency: Quarterly

**State and tribal institutional control / engineering control registries**

**INST CONTROL: Public Record List**
Sites on the Public Record Listing that have institutional controls or limitations on use are sites with Risk Reduction Standards of 3, 4, and 5.

Date of Government Version: 06/16/2015  
Source: Department of Natural Resources
Date Data Arrived at EDR: 08/11/2015  
Telephone: 404-657-8600
Date Made Active in Reports: 08/24/2015  
Last EDR Contact: 08/11/2015
Number of Days to Update: 13  
Next Scheduled EDR Contact: 11/23/2015
Data Release Frequency: Varies

**AUL: Uniform Environmental Covenants**
A list of environmental covenants

Date of Government Version: 04/08/2015  
Source: Department of Natural Resources
Date Data Arrived at EDR: 05/13/2015  
Telephone: 404-657-8600
Date Made Active in Reports: 06/11/2015  
Last EDR Contact: 05/13/2015
Number of Days to Update: 29  
Next Scheduled EDR Contact: 08/24/2015
Data Release Frequency: Varies
State and tribal voluntary cleanup sites

VCP: Voluntary Cleanup Program site
Georgia’s Voluntary Remediation Program Act was created to encourage voluntary investigation and remediation of contaminated properties.

Date of Government Version: 04/07/2015
Date Data Arrived at EDR: 06/03/2015
Date Made Active in Reports: 07/07/2015
Number of Days to Update: 34
Source: DNR
Telephone: 404-657-8600
Last EDR Contact: 06/03/2015
Next Scheduled EDR Contact: 09/14/2015
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

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: 09/29/2014
Date Data Arrived at EDR: 10/01/2014
Date Made Active in Reports: 11/06/2014
Number of Days to Update: 36
Source: EPA, Region 1
Telephone: 617-918-1102
Last EDR Contact: 06/26/2015
Next Scheduled EDR Contact: 10/12/2015
Data Release Frequency: Varies

State and tribal Brownfields sites

BROWNFIELDS: Brownfields Public Record List
The Brownfields Public Record lists properties where response actions under the Georgia Hazardous Site Reuse and Redevelopment Act are planned, ongoing or completed.

Date of Government Version: 06/16/2015
Date Data Arrived at EDR: 08/11/2015
Date Made Active in Reports: 08/24/2015
Number of Days to Update: 13
Source: Department of Natural Resources
Telephone: 404-657-8600
Last EDR Contact: 08/11/2015
Next Scheduled EDR Contact: 11/23/2015
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: 06/22/2015
Date Data Arrived at EDR: 06/24/2015
Date Made Active in Reports: 09/02/2015
Number of Days to Update: 70
Source: Environmental Protection Agency
Telephone: 202-566-2777
Last EDR Contact: 06/24/2015
Next Scheduled EDR Contact: 10/05/2015
Data Release Frequency: Semi-Annually
Local Lists of Landfill / Solid Waste Disposal Sites

HIST LF: Historical Landfills
Landfills that were closed many years ago.

| Date of Government Version: 01/15/2003 | Source: Department of Natural Resources |
| Date Data Arrived at EDR: 01/20/2004 | Telephone: 404-362-2696 |
| Date Made Active in Reports: 02/06/2004 | Last EDR Contact: 01/20/2004 |
| Number of Days to Update: 17 | Next Scheduled EDR Contact: N/A |
| Data Release Frequency: Varies |

SWRCY: Recycling Center Listing
A listing of recycling facility locations.

| Date of Government Version: 07/14/2015 | Source: Department of Community Affairs |
| Date Data Arrived at EDR: 07/15/2015 | Telephone: 404-679-1598 |
| Date Made Active in Reports: 08/10/2015 | Last EDR Contact: 07/13/2015 |
| Number of Days to Update: 26 | Next Scheduled EDR Contact: 10/28/2015 |
| 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 | Source: Environmental Protection Agency |
| Date Data Arrived at EDR: 12/03/2007 | Telephone: 703-308-8245 |
| Date Made Active in Reports: 01/24/2008 | Last EDR Contact: 05/01/2015 |
| Number of Days to Update: 52 | Next Scheduled EDR Contact: 08/17/2015 |
| 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 | Source: EPA, Region 9 |
| Date Data Arrived at EDR: 05/07/2009 | Telephone: 415-947-4219 |
| Date Made Active in Reports: 09/21/2009 | Last EDR Contact: 07/22/2015 |
| Number of Days to Update: 137 | Next Scheduled EDR Contact: 11/09/2015 |
| Data Release Frequency: No Update Planned |

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

| Date of Government Version: 06/30/1985 | Source: Environmental Protection Agency |
| Date Data Arrived at EDR: 08/09/2004 | Telephone: 800-424-9346 |
| Date Made Active in Reports: 09/17/2004 | Last EDR Contact: 06/09/2004 |
| Number of Days to Update: 39 | Next Scheduled EDR Contact: N/A |
| Data Release Frequency: No Update Planned |

Local Lists of Hazardous waste / Contaminated Sites

US HIST CDL: National Clandestine Laboratory Register
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: 06/01/2015
Date Data Arrived at EDR: 06/02/2015
Date Made Active in Reports: 09/16/2015
Number of Days to Update: 106
Source: Drug Enforcement Administration
Telephone: 202-307-1000
Last EDR Contact: 08/31/2015
Next Scheduled EDR Contact: 12/14/2015
Data Release Frequency: No Update Planned

CDL: Clandestine Drug Labs
A listing of clandestine drug lab site locations in the state.

Date of Government Version: 05/15/2015
Date Data Arrived at EDR: 05/22/2015
Date Made Active in Reports: 07/07/2015
Number of Days to Update: 46
Source: Georgia Bureau of Investigation
Telephone: 404-244-2639
Last EDR Contact: 06/10/2015
Next Scheduled EDR Contact: 09/28/2015
Data Release Frequency: Varies

DEL SHWS: Delisted Hazardous Site Inventory Listing
A listing of sites delisted from the Hazardous Site Inventory.

Date of Government Version: 07/01/2015
Date Data Arrived at EDR: 07/07/2015
Date Made Active in Reports: 07/23/2015
Number of Days to Update: 16
Source: Department of Natural Resources
Telephone: 404-657-8636
Last EDR Contact: 06/24/2015
Next Scheduled EDR Contact: 10/12/2015
Data Release Frequency: Annually

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

Date of Government Version: 05/15/2015
Date Data Arrived at EDR: 06/02/2015
Date Made Active in Reports: 09/16/2015
Number of Days to Update: 106
Source: Drug Enforcement Administration
Telephone: 202-307-1000
Last EDR Contact: 08/31/2015
Next Scheduled EDR Contact: 12/14/2015
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: 02/18/2014
Date Data Arrived at EDR: 03/18/2014
Date Made Active in Reports: 04/24/2014
Number of Days to Update: 37
Source: Environmental Protection Agency
Telephone: 202-564-6023
Last EDR Contact: 07/22/2015
Next Scheduled EDR Contact: 11/09/2015
Data Release Frequency: Varies

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: 06/24/2015
Date Data Arrived at EDR: 06/26/2015
Date Made Active in Reports: 09/02/2015
Number of Days to Update: 68
Source: U.S. Department of Transportation
Telephone: 202-366-4555
Last EDR Contact: 06/26/2015
Next Scheduled EDR Contact: 10/12/2015
Data Release Frequency: Annually
SPILLS: Spills Information

Oil or Hazardous Material Spills or Releases.

- Date of Government Version: 06/22/2015
- Source: Department of Natural Resources
- Telephone: 706-792-7744
- Date Data Arrived at EDR: 06/26/2015
- Date Made Active in Reports: 07/23/2015
- Number of Days to Update: 27
- Next Scheduled EDR Contact: 10/12/2015
- Data Release Frequency: Quarterly

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: 10/04/2012
- Source: FirstSearch
- Telephone: N/A
- Date Data Arrived at EDR: 01/03/2013
- Date Made Active in Reports: 02/11/2013
- Number of Days to Update: 39
- Next Scheduled EDR Contact: N/A
- Data Release Frequency: No Update Planned

Other Ascertainable Records

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

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

- Date of Government Version: 06/09/2015
- Source: Environmental Protection Agency
- Telephone: (404) 562-8651
- Date Data Arrived at EDR: 06/26/2015
- Date Made Active in Reports: 09/10/2015
- Number of Days to Update: 82
- Next Scheduled EDR Contact: 10/12/2015
- Data Release Frequency: Varies

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: 06/06/2014
- Source: U.S. Army Corps of Engineers
- Telephone: 202-528-4285
- Date Data Arrived at EDR: 09/10/2014
- Date Made Active in Reports: 09/18/2014
- Number of Days to Update: 8
- Next Scheduled EDR Contact: 09/21/2015
- 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: 07/14/2015
- Number of Days to Update: 62
- Next Scheduled EDR Contact: 10/28/2015
- Data Release Frequency: Semi-Annually

FEDLAND: Federal and Indian Lands

<table>
<thead>
<tr>
<th>Source</th>
<th>Telephone</th>
<th>Last EDR Contact</th>
<th>Next Scheduled EDR Contact</th>
<th>Data Release Frequency</th>
</tr>
</thead>
<tbody>
<tr>
<td>U.S. Geological Survey</td>
<td>888-275-8747</td>
<td>07/14/2015</td>
<td>10/28/2015</td>
<td>N/A</td>
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<tr>
<td>Environmental Protection Agency</td>
<td>615-532-8599</td>
<td>05/21/2015</td>
<td>08/31/2015</td>
<td>Varies</td>
</tr>
<tr>
<td>Environmental Protection Agency</td>
<td>202-566-1917</td>
<td>08/12/2015</td>
<td>11/30/2015</td>
<td>Quarterly</td>
</tr>
<tr>
<td>Environmental Protection Agency</td>
<td>617-520-3000</td>
<td>08/04/2015</td>
<td>11/23/2015</td>
<td>Quarterly</td>
</tr>
<tr>
<td>Environmental Protection Agency</td>
<td>703-308-4044</td>
<td>05/14/2015</td>
<td>08/24/2015</td>
<td>Varies</td>
</tr>
</tbody>
</table>

**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.

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.

**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.

**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.

**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.
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.

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.

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.

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.

PRP: Potentially Responsible Parties
A listing of verified Potentially Responsible Parties
# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

<table>
<thead>
<tr>
<th>Data Source</th>
<th>Date of Government Version</th>
<th>Date Data Arrived at EDR</th>
<th>Date Made Active in Reports</th>
<th>Number of Days to Update</th>
<th>Last EDR Contact</th>
<th>Next Scheduled EDR Contact</th>
<th>Data Release Frequency</th>
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</thead>
<tbody>
<tr>
<td><strong>PADS:</strong> PCB Activity Database System</td>
<td>10/25/2013</td>
<td>10/17/2014</td>
<td>10/20/2014</td>
<td>3</td>
<td>05/14/2015</td>
<td>08/24/2015</td>
<td>Quarterly</td>
</tr>
<tr>
<td>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.</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>ICIS:</strong> Integrated Compliance Information System</td>
<td>07/01/2014</td>
<td>10/15/2014</td>
<td>11/17/2014</td>
<td>33</td>
<td>07/17/2015</td>
<td>10/28/2015</td>
<td>Annually</td>
</tr>
<tr>
<td>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.</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>FTTS:</strong> FIFRA/TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, &amp; Rodenticide Act)/TSCA (Toxic Substances Control Act)</td>
<td>01/23/2015</td>
<td>02/06/2015</td>
<td>03/09/2015</td>
<td>31</td>
<td>07/09/2015</td>
<td>10/28/2015</td>
<td>Quarterly</td>
</tr>
<tr>
<td>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.</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>FTTS INSP:</strong> FIFRA/TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, &amp; Rodenticide Act)/TSCA (Toxic Substances Control Act)</td>
<td>04/09/2009</td>
<td>04/16/2009</td>
<td>05/11/2009</td>
<td>25</td>
<td>05/20/2015</td>
<td>09/07/2015</td>
<td>Quarterly</td>
</tr>
<tr>
<td>A listing of FIFRA/TSCA Tracking System (FTTS) inspections and enforcements.</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>MLTS:</strong> Material Licensing Tracking System</td>
<td>03/31/2015</td>
<td>04/09/2009</td>
<td>04/16/2009</td>
<td>25</td>
<td>05/07/2015</td>
<td></td>
<td>Quarterly</td>
</tr>
<tr>
<td>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.</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>COAL ASH DOE:</strong> Steam-Electric Plant Operation Data</td>
<td>03/31/2015</td>
<td>04/09/2015</td>
<td>06/11/2015</td>
<td>63</td>
<td>06/04/2015</td>
<td>09/21/2015</td>
<td>Quarterly</td>
</tr>
<tr>
<td>A listing of power plants that store ash in surface ponds.</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
### COAL ASH EPA: Coal Combustion Residues Surface Impoundments List
A listing of coal combustion residues surface impoundments with high hazard potential ratings.

<table>
<thead>
<tr>
<th>Date of Government Version: 07/01/2014</th>
<th>Source: Environmental Protection Agency</th>
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<tbody>
<tr>
<td>Date Data Arrived at EDR: 10/19/2011</td>
<td>Telephone: 202-566-0517</td>
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<td>Date Made Active in Reports: 01/10/2012</td>
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<td>Number of Days to Update: 83</td>
<td>Next Scheduled EDR Contact: 11/09/2015</td>
</tr>
<tr>
<td></td>
<td>Data Release Frequency: Varies</td>
</tr>
</tbody>
</table>

### PCB TRANSFORMER: PCB Transformer Registration Database
The database of PCB transformer registrations that includes all PCB registration submittals.

<table>
<thead>
<tr>
<th>Date of Government Version: 02/01/2011</th>
<th>Source: Environmental Protection Agency</th>
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<tr>
<td>Date Data Arrived at EDR: 10/19/2011</td>
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<tr>
<td>Date Made Active in Reports: 01/10/2012</td>
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<tr>
<td>Number of Days to Update: 83</td>
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</tr>
<tr>
<td></td>
<td>Data Release Frequency: Varies</td>
</tr>
</tbody>
</table>

### 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.

<table>
<thead>
<tr>
<th>Date of Government Version: 07/07/2015</th>
<th>Source: Environmental Protection Agency</th>
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</thead>
<tbody>
<tr>
<td>Date Data Arrived at EDR: 07/09/2015</td>
<td>Telephone: 202-343-9775</td>
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<tr>
<td>Date Made Active in Reports: 09/16/2015</td>
<td>Last EDR Contact: 07/09/2015</td>
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<td>Number of Days to Update: 69</td>
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<tr>
<td></td>
<td>Data Release Frequency: Quarterly</td>
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</tbody>
</table>

### 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.

<table>
<thead>
<tr>
<th>Date of Government Version: 10/19/2006</th>
<th>Source: Environmental Protection Agency</th>
</tr>
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<td>Date Data Arrived at EDR: 03/01/2007</td>
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<tr>
<td>Date Made Active in Reports: 04/10/2007</td>
<td>Last EDR Contact: 12/17/2007</td>
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<td>Number of Days to Update: 40</td>
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<tr>
<td></td>
<td>Data Release Frequency: No Update Planned</td>
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</table>

### HIST FTTS INSPI: 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.

<table>
<thead>
<tr>
<th>Date of Government Version: 10/19/2006</th>
<th>Source: Environmental Protection Agency</th>
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<tr>
<td>Date Data Arrived at EDR: 03/01/2007</td>
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<tr>
<td>Date Made Active in Reports: 04/10/2007</td>
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<td>Number of Days to Update: 40</td>
<td>Next Scheduled EDR Contact: 03/17/2008</td>
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<td></td>
<td>Data Release Frequency: No Update Planned</td>
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</table>
DOT OPS: Incident and Accident Data
Department of Transportation, Office of Pipeline Safety Incident and Accident data.
Date of Government Version: 07/31/2012
Date Data Arrived at EDR: 08/07/2012
Date Made Active in Reports: 09/18/2012
Number of Days to Update: 42
Next Scheduled EDR Contact: 11/16/2015
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: 12/31/2014
Date Data Arrived at EDR: 04/17/2015
Date Made Active in Reports: 06/02/2015
Number of Days to Update: 46
Next Scheduled EDR Contact: 10/12/2015
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: 12/31/2011
Date Data Arrived at EDR: 02/26/2013
Date Made Active in Reports: 04/19/2013
Number of Days to Update: 52
Next Scheduled EDR Contact: 09/07/2015
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: 12/31/2005
Date Data Arrived at EDR: 12/08/2006
Date Made Active in Reports: 01/11/2007
Number of Days to Update: 34
Next Scheduled EDR Contact: 10/28/2015
Data Release Frequency: Semi-Annually

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
Next Scheduled EDR Contact: 09/07/2015
Data Release Frequency: Varies

LEAD SMELTER 1: Lead Smelter Sites
A listing of former lead smelter site locations.
Date of Government Version: 11/25/2014
Date Data Arrived at EDR: 11/26/2014
Date Made Active in Reports: 01/29/2015
Number of Days to Update: 64
Next Scheduled EDR Contact: 10/19/2015
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: 07/22/2015
Date Data Arrived at EDR: 07/24/2015
Date Made Active in Reports: 09/02/2015
Number of Days to Update: 40
Source: EPA
Telephone: 202-564-2496
Last EDR Contact: 06/22/2015
Next Scheduled EDR Contact: 10/05/2015
Data Release Frequency: Annually

US AIRS MINOR: Air Facility System Data
A listing of minor source facilities.

Date of Government Version: 07/22/2015
Date Data Arrived at EDR: 07/24/2015
Date Made Active in Reports: 09/02/2015
Number of Days to Update: 40
Source: EPA
Telephone: 202-564-2496
Last EDR Contact: 06/22/2015
Next Scheduled EDR Contact: 10/22/2015
Data Release Frequency: Annually

US MINES: Mines Master Index File
Contains all mine identification numbers issued for mines active or opened since 1971. The data also includes violation information.

Date of Government Version: 05/14/2015
Date Data Arrived at EDR: 06/03/2015
Date Made Active in Reports: 09/02/2015
Number of Days to Update: 91
Source: Department of Labor, Mine Safety and Health Administration
Telephone: 303-231-5959
Last EDR Contact: 09/01/2015
Next Scheduled EDR Contact: 12/14/2015
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: 06/05/2015
Next Scheduled EDR Contact: 09/14/2015
Data Release Frequency: Varies

US MINES 3: Active Mines & Mineral Plants Database Listing
Active Mines and Mineral Processing Plant operations for commodities monitored by the Minerals Information Team of the USGS.

Date of Government Version: 04/14/2011
Date Data Arrived at EDR: 06/08/2011
Date Made Active in Reports: 09/13/2011
Number of Days to Update: 97
Source: USGS
Telephone: 703-648-7709
Last EDR Contact: 06/05/2015
Next Scheduled EDR Contact: 09/14/2015
Data Release Frequency: Varies
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: 01/18/2015        Source: EPA
Date Data Arrived at EDR: 02/27/2015              Telephone: (404) 562-9900
Date Made Active in Reports: 03/25/2015          Last EDR Contact: 06/10/2015
Number of Days to Update: 26                    Next Scheduled EDR Contact: 09/21/2015
                          Data Release Frequency: Quarterly

AIRS: Permitted Facility & Emissions Listing
A listing of permitted Air facilities and emissions data.

Date of Government Version: 12/31/2014        Source: Department of Natural Resources
Date Data Arrived at EDR: 02/25/2015              Telephone: 404-363-7000
Date Made Active in Reports: 03/11/2015          Last EDR Contact: 05/22/2015
Number of Days to Update: 14                    Next Scheduled EDR Contact: 09/07/2015
                          Data Release Frequency: Varies

COAL ASH: Coal Ash Disposal Site Listing
A listing of coal ash landfills.

Date of Government Version: 08/01/2014        Source: Department of Natural Resources
Date Data Arrived at EDR: 08/05/2014              Telephone: 404-362-2537
Date Made Active in Reports: 09/02/2014          Last EDR Contact: 07/31/2015
Number of Days to Update: 28                    Next Scheduled EDR Contact: 11/16/2015
                          Data Release Frequency: Varies

DRYCLEANERS: Drycleaner Database
A list of drycleaners in the state. The listing includes drycleaner facilities, that use perchloroethylene, that
responded to the Notification of Compliance Status forms. It also includes those businesses that are pick-up stores
only and do not conduct dry cleaning on site.

Date of Government Version: 12/22/2014        Source: Department of Natural Resources
Date Data Arrived at EDR: 12/23/2014              Telephone: 404-363-7000
Date Made Active in Reports: 01/27/2015          Last EDR Contact: 08/07/2015
Number of Days to Update: 35                    Next Scheduled EDR Contact: 11/23/2015
                          Data Release Frequency: Varies

Financial Assurance 1: Financial Assurance Information Listing
A listing of financial assurance information for underground storage tank facilities.

Date of Government Version: 07/01/2013        Source: Department of Natural Resources
Date Data Arrived at EDR: 09/13/2013              Telephone: 404-362-4892
Date Made Active in Reports: 10/03/2013          Last EDR Contact: 06/15/2015
Number of Days to Update: 20                    Next Scheduled EDR Contact: 09/28/2015
                          Data Release Frequency: Annually

Financial Assurance 2: Financial Assurance Information Listing
Financial assurance information listing for solid waste facilities.

Date of Government Version: 06/26/2015        Source: Department of Natural Resources
Date Data Arrived at EDR: 06/30/2015              Telephone: 404-362-2537
Date Made Active in Reports: 07/23/2015          Last EDR Contact: 06/22/2015
Number of Days to Update: 23                    Next Scheduled EDR Contact: 09/28/2015
                          Data Release Frequency: Varies
NPDES: NPDES Wastewater Permit List
A listing of NPDES wastewater permits issued by the Watershed Protection Branch.
Date of Government Version: 08/20/2014
Date Data Arrived at EDR: 11/11/2014
Date Made Active in Reports: 01/27/2015
Number of Days to Update: 77
Source: Department of Natural Resources
Telephone: 404-362-2680
Last EDR Contact: 05/14/2015
Next Scheduled EDR Contact: 08/24/2015
Data Release Frequency: Varies

TIER 2: Tier 2 Data Listing
A listing of facilities which store or manufacture hazardous materials and submit a chemical inventory report.
Date of Government Version: 12/31/2013
Date Data Arrived at EDR: 09/09/2014
Date Made Active in Reports: 10/13/2014
Number of Days to Update: 34
Source: Department of Natural Resources
Telephone: 404-656-4852
Last EDR Contact: 06/01/2015
Next Scheduled EDR Contact: 09/14/2015
Data Release Frequency: Varies

EDR HIGH RISK HISTORICAL RECORDS

EDR Exclusive Records

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

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

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

EDR US Hist Cleaners: 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.
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 Environmental Protection in Georgia.

Date of Government Version: N/A
Date Data Arrived at EDR: 07/01/2013
Date Made Active in Reports: 12/24/2013
Number of Days to Update: 176
Source: Department of Environmental Protection
Telephone: N/A
Last EDR Contact: 06/01/2012
Next Scheduled EDR Contact: N/A
Data Release Frequency: Varies

RGA LF: Recovered Government Archive Solid Waste Facilities List
The EDR Recovered Government Archive Landfill database provides a list of landfills derived from historical databases and includes many records that no longer appear in current government lists. Compiled from Records formerly available from the Department of Natural Resources in Georgia.

Date of Government Version: N/A
Date Data Arrived at EDR: 07/01/2013
Date Made Active in Reports: 01/13/2014
Number of Days to Update: 196
Source: Department of Natural Resources
Telephone: N/A
Last EDR Contact: 06/01/2012
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 Environmental Protection Division in Georgia.

Date of Government Version: N/A
Date Data Arrived at EDR: 07/01/2013
Date Made Active in Reports: 12/24/2013
Number of Days to Update: 176
Source: Environmental Protection Division
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: 05/18/2015
Next Scheduled EDR Contact: 08/31/2015
Data Release Frequency: No Update Planned
Hazardous waste manifest information.

Source: Department of Environmental Protection
Telephone: N/A

Last EDR Contact: 07/13/2015
Next Scheduled EDR Contact: 10/28/2015
Data Release Frequency: Annually

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

Source: Department of Environmental Conservation
Telephone: 518-402-8651

Last EDR Contact: 08/06/2015
Next Scheduled EDR Contact: 11/16/2015
Data Release Frequency: Annually

Hazardous waste manifest information.

Source: Department of Environmental Protection
Telephone: 717-783-8990

Last EDR Contact: 08/24/2015
Next Scheduled EDR Contact: 11/02/2015
Data Release Frequency: Annually

Hazardous waste manifest information.

Source: Department of Environmental Management
Telephone: 401-222-2797

Last EDR Contact: 08/18/2015
Next Scheduled EDR Contact: 09/07/2015
Data Release Frequency: Annually

Hazardous waste manifest information.

Source: Department of Natural Resources
Telephone: N/A

Last EDR Contact: 03/19/2015
Next Scheduled EDR Contact: 09/28/2015
Data Release Frequency: Annually

Oil/Gas Pipelines

Source: PennWell Corporation
Telephone: 281-546-1505

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
Telephone: 800-823-6277

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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 Care Centers
Source: Department of Human Resources
Telephone: 404-651-5562

Flood Zone Data: This data, available in select counties across the country, was obtained by EDR in 2003 & 2011 from the Federal Emergency Management Agency (FEMA). Data depicts 100-year and 500-year flood zones as defined by FEMA.

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.

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

STREET AND ADDRESS INFORMATION
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TARGET PROPERTY ADDRESS

GEORGIA HISTORIC HEARTLAND MEGA SITE
HIGHWAY 11 AND HOLLIS ROAD
SOCIAL CIRCLE, GA 30025

TARGET PROPERTY COORDINATES

Latitude (North): 33.6368 - 33˚ 38’ 12.48”
Longitude (West): 83.7379 - 83˚ 44’ 16.44”
Universal Tranverse Mercator: Zone 17
UTM X (Meters): 246046.6
UTM Y (Meters): 3725055.5
Elevation: 768 ft. above sea level

USGS TOPOGRAPHIC MAP

Target Property Map: 6046874 SOCIAL CIRCLE, GA
Version Date: 2014

Southeast Map: 6046860 MANSFIELD, GA
Version Date: 2014

Southwest Map: 6046842 COVINGTON, GA
Version Date: 2014

Northwest Map: 6046854 JERSEY, GA
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.
**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 NNW

**SURROUNDING TOPOGRAPHY: ELEVATION Profiles**

![Elevation Profiles Diagram]

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.
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

<table>
<thead>
<tr>
<th>Target Property County</th>
<th>FEMA Flood Electronic Data</th>
</tr>
</thead>
<tbody>
<tr>
<td>NEWTON, GA</td>
<td>YES - refer to the Overview Map and Detail Map</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Flood Plain Panel at Target Property</th>
<th>FEMA DFIRM Flood data</th>
</tr>
</thead>
<tbody>
<tr>
<td>13217C</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Additional Panels in search area</th>
<th>FEMA DFIRM Flood data</th>
</tr>
</thead>
<tbody>
<tr>
<td>13297C</td>
<td></td>
</tr>
</tbody>
</table>

NATIONAL WETLAND INVENTORY

<table>
<thead>
<tr>
<th>NWI Quad at Target Property</th>
<th>NWI Electronic Data Coverage</th>
</tr>
</thead>
<tbody>
<tr>
<td>SOCIAL CIRCLE</td>
<td>YES - refer to the Overview Map and Detail Map</td>
</tr>
</tbody>
</table>

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.

<table>
<thead>
<tr>
<th>MAP ID</th>
<th>LOCATION FROM TP</th>
<th>GENERAL DIRECTION GROUNDWATER FLOW</th>
</tr>
</thead>
<tbody>
<tr>
<td>Not Reported</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
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          GEOLOGIC AGE IDENTIFICATION

<table>
<thead>
<tr>
<th>Era:</th>
<th>Paleozoic</th>
<th>Category:</th>
<th>Metamorphic Rocks</th>
</tr>
</thead>
<tbody>
<tr>
<td>System:</td>
<td>Pennsylvanian</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Series:</td>
<td>Felsic paragneiss and schist</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Code:</td>
<td>mm1</td>
<td>(decoded above as Era, System &amp; Series)</td>
<td></td>
</tr>
</tbody>
</table>

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: Gwinnett

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: Not hydric

Corrosion Potential - Uncoated Steel: High

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

<table>
<thead>
<tr>
<th>Soil Layer Information</th>
<th>Boundary</th>
<th>Classification</th>
<th>Saturated hydraulic conductivity (m/sec)</th>
<th>Soil Reaction (pH)</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Layer</strong></td>
<td>Upper</td>
<td>Lower</td>
<td>Soil Texture Class</td>
<td>AASHTO Group</td>
</tr>
<tr>
<td>1</td>
<td>0 inches</td>
<td>5 inches</td>
<td>sandy clay loam</td>
<td>Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.</td>
</tr>
<tr>
<td>2</td>
<td>5 inches</td>
<td>38 inches</td>
<td>clay</td>
<td>Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils.</td>
</tr>
<tr>
<td>3</td>
<td>38 inches</td>
<td>55 inches</td>
<td>sandy clay loam</td>
<td>Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils.</td>
</tr>
</tbody>
</table>
### Soil Map ID: 2

- **Soil Component Name:** Hiwassee
- **Soil Surface Texture:** sandy loam
- **Hydrologic Group:** Class B - Moderate infiltration rates. Deep and moderately deep, moderately well and well drained soils with moderately coarse textures.
- **Soil Drainage Class:** Well drained
- **Hydric Status:** Not hydric
- **Corrosion Potential - Uncoated Steel:** Moderate
- **Depth to Bedrock Min:** > 0 inches
- **Depth to Watertable Min:** > 0 inches

#### Soil Layer Information

<table>
<thead>
<tr>
<th>Layer</th>
<th>Upper</th>
<th>Lower</th>
<th>Soil Texture Class</th>
<th>AASHTO Group</th>
<th>Unified Soil</th>
<th>Saturated hydraulic conductivity micro m/sec</th>
<th>Soil Reaction (pH)</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>0 inches</td>
<td>9 inches</td>
<td>sandy loam</td>
<td>Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils</td>
<td>COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.</td>
<td>Max: 14 Min: 4</td>
<td>Max: 6.5 Min: 4.5</td>
</tr>
<tr>
<td>2</td>
<td>9 inches</td>
<td>51 inches</td>
<td>clay</td>
<td>Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils</td>
<td>FINE-GRAINED SOILS, Silts and Clays (liquid limit 50% or more), Elastic silt.</td>
<td>Max: 14 Min: 4</td>
<td>Max: 6.5 Min: 4.5</td>
</tr>
<tr>
<td>3</td>
<td>51 inches</td>
<td>59 inches</td>
<td>sandy clay loam</td>
<td>Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils</td>
<td>FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Lean Clay</td>
<td>Max: 14 Min: 4</td>
<td>Max: 6.5 Min: 4.5</td>
</tr>
</tbody>
</table>

### Soil Map ID: 3

- **Soil Component Name:** Toccoa
- **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:** Moderately well drained
Hydric Status: Not hydric

Corrosion Potential - Uncoated Steel: Low

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 99 inches

<table>
<thead>
<tr>
<th>Layer</th>
<th>Boundary</th>
<th>Soil Texture Class</th>
<th>AASHTO Group</th>
<th>Unified Soil</th>
<th>Saturated hydraulic conductivity micro m/sec</th>
<th>Soil Reaction (pH)</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>0 inches</td>
<td>7 inches</td>
<td>sandy loam</td>
<td>Silt-Clay</td>
<td>COARSE-GRAINED SOILS, Sands, Silts, Silty Soils.</td>
<td>Max: 42</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Materials (more than 35 pctl. passing No. 200), Silty Soils.</td>
<td></td>
<td>Min: 14</td>
<td>Min: 5.1</td>
</tr>
<tr>
<td>2</td>
<td>7 inches</td>
<td>59 inches</td>
<td>fine sandy loam</td>
<td>Silt-Clay</td>
<td>COARSE-GRAINED SOILS, Sands, Silts, Silty Soils.</td>
<td>Max: 42</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Materials (more than 35 pctl. passing No. 200), Silty Soils.</td>
<td></td>
<td>Min: 14</td>
<td>Min: 5.1</td>
</tr>
</tbody>
</table>

Soil Map ID: 4

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: Not hydric

Corrosion Potential - Uncoated Steel: High

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches
### Soil Layer Information

<table>
<thead>
<tr>
<th>Layer</th>
<th>Boundary</th>
<th>Soil Texture Class</th>
<th>Classification</th>
<th>Saturated hydraulic conductivity m/sec</th>
<th>Soil Reaction (pH)</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>0 inches</td>
<td>sandy loam</td>
<td>Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.</td>
<td>COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.</td>
<td>Max: 42 Min: 14 Max: 6.5 Min: 4.5</td>
</tr>
<tr>
<td>2</td>
<td>5 inches</td>
<td>sandy clay</td>
<td>Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils.</td>
<td>FINE-GRAINED SOILS, Silts and Clays (liquid limit 50% or more), Elastic silt.</td>
<td>Max: 14 Min: 4 Max: 5.5 Min: 4.5</td>
</tr>
</tbody>
</table>

---

**Soil Map ID: 5**

- **Soil Component Name:** Hiwassee
- **Soil Surface Texture:** sandy loam
- **Hydrologic Group:** Class B - Moderate infiltration rates. Deep and moderately deep, moderately well and well drained soils with moderately coarse textures.
- **Soil Drainage Class:** Well drained
- **Hydric Status:** Not hydric
- **Corrosion Potential - Uncoated Steel:** Moderate
- **Depth to Bedrock Min:** > 0 inches
- **Depth to Watertable Min:** > 0 inches
### Soil Layer Information

<table>
<thead>
<tr>
<th>Layer</th>
<th>Boundary</th>
<th>Classification</th>
<th>Saturated hydraulic conductivity micro m/sec</th>
<th>Soil Reaction (pH)</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Upper</td>
<td>Lower</td>
<td>AASHTO Group</td>
<td></td>
</tr>
<tr>
<td>1</td>
<td>0 inches</td>
<td>9 inches</td>
<td>sandy loam</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.</td>
<td>Max: 14 Min: 4</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Max: 6.5 Min: 4.5</td>
</tr>
<tr>
<td>2</td>
<td>9 inches</td>
<td>51 inches</td>
<td>clay</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils.</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>FINE-GRAINED SOILS, Silts and Clays (liquid limit 50% or more), Elastic silt.</td>
<td>Max: 14 Min: 4</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Max: 6.5 Min: 4.5</td>
</tr>
<tr>
<td>3</td>
<td>51 inches</td>
<td>59 inches</td>
<td>sandy clay loam</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils.</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Lean Clay</td>
<td>Max: 14 Min: 4</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Max: 6.5 Min: 4.5</td>
</tr>
</tbody>
</table>

---

**Soil Map ID: 6**

- **Soil Component Name:** Gwinnett
- **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

<table>
<thead>
<tr>
<th>Layer</th>
<th>Upper</th>
<th>Lower</th>
<th>Soil Texture Class</th>
<th>Classification</th>
<th>Saturated hydraulic conductivity micro m/sec</th>
<th>Soil Reaction (pH)</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>0 inches</td>
<td>7 inches</td>
<td>sandy loam</td>
<td>Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.</td>
<td>COARSE-GRAINED SOILS, Sands, Sands with fines, Clayey sand. COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.</td>
<td>Max: 14 Min: 4 Max: 6.5 Min: 5.1</td>
</tr>
<tr>
<td>2</td>
<td>7 inches</td>
<td>29 inches</td>
<td>clay</td>
<td>Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils.</td>
<td>FINE-GRAINED SOILS, Silts and Clays (liquid limit 50% or more), Fat Clay.</td>
<td>Max: 14 Min: 4 Max: 6.5 Min: 5.1</td>
</tr>
<tr>
<td>3</td>
<td>29 inches</td>
<td>50 inches</td>
<td>sandy clay loam</td>
<td>Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils.</td>
<td>FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Lean Clay</td>
<td>Max: 14 Min: 4 Max: 6.5 Min: 5.1</td>
</tr>
</tbody>
</table>

### Soil Map ID: 7

- **Soil Component Name:** Ashlar
- **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:** Low
- **Depth to Bedrock Min:** > 79 inches
- **Depth to Watertable Min:** > 0 inches
### Soil Layer Information

<table>
<thead>
<tr>
<th>Layer</th>
<th>Upper</th>
<th>Lower</th>
<th>Soil Texture Class</th>
<th>AASHTO Group</th>
<th>Unified Soil</th>
<th>Saturated hydraulic conductivity micro m/sec</th>
<th>Soil Reaction (pH)</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>0 inches</td>
<td>29 inches</td>
<td>sandy loam</td>
<td>Granular materials (35 pct. or less passing No. 200), Silty, or Clayey Gravel and Sand.</td>
<td>COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.</td>
<td>Max: 42 Min: 14</td>
<td>Max: 6 Min: 4.5</td>
</tr>
<tr>
<td>2</td>
<td>29 inches</td>
<td>33 inches</td>
<td>sandy loam</td>
<td>Granular materials (35 pct. or less passing No. 200), Silty, or Clayey Gravel and Sand.</td>
<td>COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.</td>
<td>Max: 42 Min: 14</td>
<td>Max: 5.5 Min: 4.5</td>
</tr>
<tr>
<td>3</td>
<td>33 inches</td>
<td>59 inches</td>
<td>unweathered bedrock</td>
<td>Not reported</td>
<td>Not reported</td>
<td>Max: Min:</td>
<td>Max: Min:</td>
</tr>
</tbody>
</table>

### Soil Map ID: 8

- **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:** Not hydric
- **Corrosion Potential - Uncoated Steel:** High
- **Depth to Bedrock Min:** > 0 inches
- **Depth to Watertable Min:** > 0 inches
## Soil Layer Information

<table>
<thead>
<tr>
<th>Layer</th>
<th>Boundary</th>
<th>Soil Texture Class</th>
<th>Classification</th>
<th>Saturated hydraulic conductivity micro m/sec</th>
<th>Soil Reaction (pH)</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>0 inches</td>
<td>5 inches</td>
<td>sandy loam</td>
<td>COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.</td>
<td>Max: 42 Min: 14</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.</td>
<td></td>
<td>Max: 6.5 Min: 4.5</td>
</tr>
<tr>
<td>2</td>
<td>5 inches</td>
<td>35 inches</td>
<td>sandy clay</td>
<td>FINE-GRAINED SOILS, Silts and Clays (liquid limit 50% or more), Elastic silt.</td>
<td>Max: 14 Min: 4</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils.</td>
<td></td>
<td>Max: 5.5 Min: 4.5</td>
</tr>
<tr>
<td>3</td>
<td>35 inches</td>
<td>59 inches</td>
<td>sandy clay loam</td>
<td>COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.</td>
<td>Max: 14 Min: 4</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.</td>
<td></td>
<td>Max: 6 Min: 4.5</td>
</tr>
</tbody>
</table>

### Soil Map ID: 9

- **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:** Not hydric
- **Corrosion Potential - Uncoated Steel:** High
- **Depth to Bedrock Min:** > 0 inches
- **Depth to Watertable Min:** > 0 inches
### Soil Layer Information

<table>
<thead>
<tr>
<th>Layer</th>
<th>Boundary</th>
<th>Soil Texture Class</th>
<th>Classification</th>
<th>Saturated hydraulic conductivity micro m/sec</th>
<th>Soil Reaction (pH)</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>0 inches</td>
<td>sandy loam</td>
<td>Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.</td>
<td>COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.</td>
<td>Max: 42 Min: 14 Max: 6.5 Min: 4.5</td>
</tr>
<tr>
<td>2</td>
<td>5 inches</td>
<td>sandy clay</td>
<td>Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils.</td>
<td>FINE-GRAINED SOILS, Silts and Clays (liquid limit 50% or more), Elastic silt.</td>
<td>Max: 14 Min: 4 Max: 5.5 Min: 4.5</td>
</tr>
</tbody>
</table>

**Soil Map ID: 10**

- **Soil Component Name:** Toccoa
- **Soil Surface Texture:** fine 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:** Moderately well drained
- **Hydric Status:** Not hydric
- **Corrosion Potential - Uncoated Steel:** Low
- **Depth to Bedrock Min:** > 0 inches
- **Depth to Watertable Min:** > 114 inches
### Soil Layer Information

<table>
<thead>
<tr>
<th>Layer</th>
<th>Boundary</th>
<th>Soil Texture Class</th>
<th>Classification</th>
<th>Saturated hydraulic conductivity micro m/sec</th>
<th>Soil Reaction (pH)</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>0 inches</td>
<td>7 inches</td>
<td>fine sandy loam</td>
<td>Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.</td>
<td>Max: 42 Min: 14</td>
</tr>
<tr>
<td>2</td>
<td>7 inches</td>
<td>59 inches</td>
<td>fine sandy loam</td>
<td>Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.</td>
<td>Max: 42 Min: 14</td>
</tr>
</tbody>
</table>

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**Soil Map ID: 11**

- **Soil Component Name:** Ashlar
- **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:** Low
- **Depth to Bedrock Min:** > 79 inches
- **Depth to Watertable Min:** > 0 inches

---

### Soil Layer Information

<table>
<thead>
<tr>
<th>Layer</th>
<th>Boundary</th>
<th>Soil Texture Class</th>
<th>Classification</th>
<th>Saturated hydraulic conductivity micro m/sec</th>
<th>Soil Reaction (pH)</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>0 inches</td>
<td>29 inches</td>
<td>sandy loam</td>
<td>Granular materials (35 pct. or less passing No. 200), Silty, or Clayey Gravel and Sand.</td>
<td>Max: 42 Min: 14</td>
</tr>
</tbody>
</table>
### Soil Layer Information

<table>
<thead>
<tr>
<th>Layer</th>
<th>Upper</th>
<th>Lower</th>
<th>Soil Texture Class</th>
<th>AASHTO Group</th>
<th>Unified Soil</th>
<th>Saturated hydraulic conductivity micro m/sec</th>
<th>Soil Reaction (pH)</th>
</tr>
</thead>
<tbody>
<tr>
<td>2</td>
<td>29 inches</td>
<td>33 inches</td>
<td>sandy loam</td>
<td>Granular materials (35 pct. or less passing No. 200), Silty, or Clayey Gravel and Sand.</td>
<td>COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.</td>
<td>Max: 42 Min: 14</td>
<td>Max: 5.5 Min: 4.5</td>
</tr>
<tr>
<td>3</td>
<td>33 inches</td>
<td>59 inches</td>
<td>unweathered bedrock</td>
<td>Not reported</td>
<td>Not reported</td>
<td>Max: Min:</td>
<td>Max: Min:</td>
</tr>
</tbody>
</table>

**Soil Map ID: 12**

- **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:** Not hydric
- **Corrosion Potential - Uncoated Steel:** High
- **Depth to Bedrock Min:** > 0 inches
- **Depth to Watertable Min:** > 0 inches
## Soil Layer Information

<table>
<thead>
<tr>
<th>Layer</th>
<th>Upper</th>
<th>Lower</th>
<th>Soil Texture Class</th>
<th>AASHTO Group</th>
<th>Unified Soil</th>
<th>Saturated hydraulic conductivity micro m/sec</th>
<th>Soil Reaction (pH)</th>
</tr>
</thead>
<tbody>
<tr>
<td>2</td>
<td>5 inches</td>
<td>35 inches</td>
<td>sandy clay</td>
<td>Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils.</td>
<td>FINE-GRAINED SOILS, Silts and Clays (liquid limit 50% or more), Elastic silt.</td>
<td>Max: 14 Min: 4</td>
<td>Max: 5.5 Min: 4.5</td>
</tr>
</tbody>
</table>

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### Soil Map ID: 13

- **Soil Component Name:** Gwinnett
- **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:** Not hydric
- **Corrosion Potential - Uncoated Steel:** High
- **Depth to Bedrock Min:** > 0 inches
- **Depth to Watertable Min:** > 0 inches

---

## Soil Layer Information

<table>
<thead>
<tr>
<th>Layer</th>
<th>Upper</th>
<th>Lower</th>
<th>Soil Texture Class</th>
<th>AASHTO Group</th>
<th>Unified Soil</th>
<th>Saturated hydraulic conductivity micro m/sec</th>
<th>Soil Reaction (pH)</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>0 inches</td>
<td>5 inches</td>
<td>sandy clay loam</td>
<td>Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.</td>
<td>FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Lean Clay</td>
<td>Max: 14 Min: 4</td>
<td>Max: 6.5 Min: 5.1</td>
</tr>
</tbody>
</table>
### Soil Layer Information

<table>
<thead>
<tr>
<th>Layer</th>
<th>Upper</th>
<th>Lower</th>
<th>Soil Texture Class</th>
<th>AASHTO Group</th>
<th>Unified Soil</th>
<th>Saturated hydraulic conductivity micro m/sec</th>
<th>Soil Reaction (pH)</th>
</tr>
</thead>
<tbody>
<tr>
<td>2</td>
<td>5 inches</td>
<td>38 inches</td>
<td>clay</td>
<td>Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils.</td>
<td>FINE-GRAINED SOILS, Silts and Clays (liquid limit 50% or more), Fat Clay.</td>
<td>Max: 14 Min: 4</td>
<td>Max: 6.5 Min: 5.1</td>
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<tr>
<td>3</td>
<td>38 inches</td>
<td>55 inches</td>
<td>sandy clay loam</td>
<td>Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils.</td>
<td>FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Lean Clay</td>
<td>Max: 14 Min: 4</td>
<td>Max: 6.5 Min: 5.1</td>
</tr>
</tbody>
</table>

---

**Soil Map ID: 14**

- **Soil Component Name:** Gwinnett
- **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

<table>
<thead>
<tr>
<th>Layer</th>
<th>Upper</th>
<th>Lower</th>
<th>Soil Texture Class</th>
<th>AASHTO Group</th>
<th>Unified Soil</th>
<th>Saturated hydraulic conductivity micro m/sec</th>
<th>Soil Reaction (pH)</th>
</tr>
</thead>
<tbody>
<tr>
<td>2</td>
<td>7 inches</td>
<td>29 inches</td>
<td>clay</td>
<td>Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils.</td>
<td>FINE-GRAINED SOILS, Silts and Clays (liquid limit 50% or more), Fat Clay.</td>
<td>Max: 14 Min: 4</td>
<td>Max: 6.5</td>
</tr>
<tr>
<td>3</td>
<td>29 inches</td>
<td>50 inches</td>
<td>sandy clay loam</td>
<td>Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils.</td>
<td>FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Lean Clay</td>
<td>Max: 14 Min: 4</td>
<td>Max: 6.5</td>
</tr>
</tbody>
</table>

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**Soil Map ID: 15**

- **Soil Component Name:** Gwinnett
- **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

<table>
<thead>
<tr>
<th>Layer</th>
<th>Upper</th>
<th>Lower</th>
<th>Soil Texture Class</th>
<th>AASHTO Group</th>
<th>Unified Soil</th>
<th>Saturated hydraulic conductivity micro m/sec</th>
<th>Soil Reaction (pH)</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>0 inches</td>
<td>7 inches</td>
<td>sandy loam</td>
<td>Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.</td>
<td>COARSE-GRAINED SOILS, Sands, Sands with fines, Clayey sand. COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.</td>
<td>Max: 14 Min: 4</td>
<td>Max: 6.5</td>
</tr>
</tbody>
</table>
### Soil Layer Information

<table>
<thead>
<tr>
<th>Layer</th>
<th>Upper</th>
<th>Lower</th>
<th>Soil Texture Class</th>
<th>AASHTO Group</th>
<th>Unified Soil</th>
<th>Saturated hydraulic conductivity ( \mu \text{m/sec} )</th>
<th>Soil Reaction ((\text{pH}))</th>
</tr>
</thead>
<tbody>
<tr>
<td>2</td>
<td>7 inches</td>
<td>29 inches</td>
<td>clay</td>
<td>Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils.</td>
<td>FINE-GRAINED SOILS, Silts and Clays (liquid limit 50% or more), Fat Clay.</td>
<td>Max: 14 Min: 4</td>
<td>Max: 6.5 Min: 5.1</td>
</tr>
<tr>
<td>3</td>
<td>29 inches</td>
<td>50 inches</td>
<td>sandy clay loam</td>
<td>Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils.</td>
<td>FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Lean Clay</td>
<td>Max: 14 Min: 4</td>
<td>Max: 6.5 Min: 5.1</td>
</tr>
</tbody>
</table>

---

**Soil Map ID: 16**

Soil Component Name: Pacolet

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

<table>
<thead>
<tr>
<th>Layer</th>
<th>Upper</th>
<th>Lower</th>
<th>Soil Texture Class</th>
<th>AASHTO Group</th>
<th>Unified Soil</th>
<th>Saturated hydraulic conductivity ( \mu \text{m/sec} )</th>
<th>Soil Reaction ((\text{pH}))</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>0 inches</td>
<td>3 inches</td>
<td>sandy loam</td>
<td>Granular materials (35 pct. or less passing No. 200), Silty, or Clayey Gravel and Sand.</td>
<td>COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.</td>
<td>Max: 42 Min: 14</td>
<td>Max: 6.5 Min: 4.5</td>
</tr>
<tr>
<td>Layer</td>
<td>Upper</td>
<td>Lower</td>
<td>Soil Texture Class</td>
<td>AASHTO Group</td>
<td>Unified Soil</td>
<td>Saturated hydraulic conductivity micro m/sec</td>
<td>Soil Reaction (pH)</td>
</tr>
<tr>
<td>-------</td>
<td>-------</td>
<td>-------</td>
<td>-------------------</td>
<td>--------------</td>
<td>-------------</td>
<td>-------------------------------------------</td>
<td>-------------------</td>
</tr>
<tr>
<td>2</td>
<td>3 inches</td>
<td>20 inches</td>
<td>sandy clay</td>
<td>Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils.</td>
<td>FINE-GRAINED SOILS, Silts and Clays (liquid limit 50% or more), Elastic silt.</td>
<td>Max: 14 Min: 4</td>
<td>Max: 6 Min: 4.5</td>
</tr>
<tr>
<td>3</td>
<td>20 inches</td>
<td>33 inches</td>
<td>sandy clay loam</td>
<td>Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.</td>
<td>COARSE-GRAINED SOILS, Sands, Sands with fines, Clayey sand.</td>
<td>Max: 14 Min: 4</td>
<td>Max: 6 Min: 4.5</td>
</tr>
</tbody>
</table>

Soil Map ID: 17

Soil Component Name: Cartecay
Soil Surface Texture: loam
Hydrologic Group: Class C - Slow infiltration rates. Soils with layers impeding downward movement of water, or soils with moderately fine or fine textures.
Soil Drainage Class: Somewhat poorly drained
Hydric Status: Partially hydric
Corrosion Potential - Uncoated Steel: Low

Depth to Bedrock Min: > 0 inches
Depth to Watertable Min: > 31 inches
### Soil Layer Information

<table>
<thead>
<tr>
<th>Layer</th>
<th>Upper</th>
<th>Lower</th>
<th>Soil Texture Class</th>
<th>Classification</th>
<th>Saturated hydraulic conductivity micro m/sec</th>
<th>Soil Reaction (pH)</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>0 inches</td>
<td>9 inches</td>
<td>loam</td>
<td>Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.</td>
<td>FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Lean Clay</td>
<td>Max: 42 Min: 14 Min: 5.1</td>
</tr>
<tr>
<td>2</td>
<td>9 inches</td>
<td>59 inches</td>
<td>loam</td>
<td>Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.</td>
<td>COARSE-GRAINED SOILS, Sands, Sands with fines, Clayey sand. COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.</td>
<td>Max: 42 Min: 14 Min: 5.1</td>
</tr>
</tbody>
</table>

---

**Soil Map ID: 18**

Soil Component Name: Madison

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: Not hydric

Corrosion Potential - Uncoated Steel: High

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

### Soil Layer Information

<table>
<thead>
<tr>
<th>Layer</th>
<th>Upper</th>
<th>Lower</th>
<th>Soil Texture Class</th>
<th>Classification</th>
<th>Saturated hydraulic conductivity micro m/sec</th>
<th>Soil Reaction (pH)</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>0 inches</td>
<td>5 inches</td>
<td>sandy clay loam</td>
<td>Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils.</td>
<td>FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), silt.</td>
<td>Max: 14 Min: 4 Min: 4.5</td>
</tr>
</tbody>
</table>
Soil Layer Information

<table>
<thead>
<tr>
<th>Layer</th>
<th>Upper</th>
<th>Lower</th>
<th>Soil Texture Class</th>
<th>AASHTO Group</th>
<th>Unified Soil</th>
<th>Saturated hydraulic conductivity micro m/sec</th>
<th>Soil Reaction (pH)</th>
</tr>
</thead>
<tbody>
<tr>
<td>2</td>
<td>5 inches</td>
<td>29 inches</td>
<td>clay loam</td>
<td>Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils.</td>
<td>FINE-GRAINED SOILS, Silts and Clays (liquid limit 50% or more), Elastic silt.</td>
<td>Max: 14 Min: 4 Max: 5.5 Min: 4.5</td>
<td></td>
</tr>
</tbody>
</table>

LOCAL / REGIONAL WATER AGENCY RECORDS

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

WELL SEARCH DISTANCE INFORMATION

<table>
<thead>
<tr>
<th>DATABASE</th>
<th>SEARCH DISTANCE (miles)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Federal USGS</td>
<td>1.000</td>
</tr>
<tr>
<td>Federal FRDS PWS</td>
<td>Nearest PWS within 1 mile</td>
</tr>
<tr>
<td>State Database</td>
<td>1.000</td>
</tr>
</tbody>
</table>

FEDERAL USGS WELL INFORMATION

<table>
<thead>
<tr>
<th>MAP ID</th>
<th>WELL ID</th>
<th>LOCATION FROM TP</th>
</tr>
</thead>
<tbody>
<tr>
<td>No Wells Found</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

FEDERAL FRDS PUBLIC WATER SUPPLY SYSTEM INFORMATION

<table>
<thead>
<tr>
<th>MAP ID</th>
<th>WELL ID</th>
<th>LOCATION FROM TP</th>
</tr>
</thead>
<tbody>
<tr>
<td>No PWS System Found</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Note: PWS System location is not always the same as well location.
<table>
<thead>
<tr>
<th>MAP ID</th>
<th>WELL ID</th>
<th>LOCATION</th>
</tr>
</thead>
<tbody>
<tr>
<td>No Wells Found</td>
<td></td>
<td>FROM TP</td>
</tr>
</tbody>
</table>
**AREA RADON INFORMATION**

Federal EPA Radon Zone for NEWTON 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 NEWTON COUNTY, GA

Number of sites tested: 9

<table>
<thead>
<tr>
<th>Area</th>
<th>Average Activity</th>
<th>% &lt;4 pCi/L</th>
<th>% 4-20 pCi/L</th>
<th>% &gt;20 pCi/L</th>
</tr>
</thead>
<tbody>
<tr>
<td>Living Area - 1st Floor</td>
<td>1.444 pCi/L</td>
<td>89%</td>
<td>11%</td>
<td>0%</td>
</tr>
<tr>
<td>Living Area - 2nd Floor</td>
<td>Not Reported</td>
<td>Not Reported</td>
<td>Not Reported</td>
<td>Not Reported</td>
</tr>
<tr>
<td>Basement</td>
<td>Not Reported</td>
<td>Not Reported</td>
<td>Not Reported</td>
<td>Not Reported</td>
</tr>
</tbody>
</table>
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, available in select counties across the country, was obtained by EDR in 2003 & 2011 from the Federal Emergency Management Agency (FEMA). Data depicts 100-year and 500-year flood zones as defined by FEMA.

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.

HYDROGEOLOGIC INFORMATION

AQUIFLOW 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

STATSGO: State Soil Geographic Database
Source: Department of Agriculture, Natural Resources Conservation Services
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 Services (NRCS)
Telephone: 800-672-5559
SSURGO is the most detailed level of mapping done by the Natural Resources Conservation Services, 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.
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  

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

Georgia Public Supply Wells  
Source: Georgia Department of Community Affairs  
Telephone: 404-894-0127

USGS Georgia Water Wells  
Source: USGS, Georgia District Office  
Telephone: 770-903-9100

DNR Managed Lands  
Source: Department of Natural Resources  
Telephone: 706-557-3032  
This dataset provides 1:24,000-scale data depicting boundaries of land parcels making up the public lands managed by the Georgia Department of Natural Resources (GDNR). It includes polygon representations of State Parks, State Historic Parks, State Conservation Parks, State Historic Sites, Wildlife Management Areas, Public Fishing Areas, Fish Hatcheries, Natural Areas and other specially-designated areas. The data were collected and located by the Georgia Department of Natural Resources. Boundaries were digitized from survey plats or other information.

OTHER STATE DATABASE INFORMATION

RADON

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
JENNIFER K. WOOD
STAFF ENVIRONMENTAL SCIENTIST

PROFESSIONAL EXPERIENCE
Ms. Wood is a Staff Environmental Scientist in Terracon’s Duluth, Georgia office. Project duties include Phase I Environmental Site Assessments (ESAs) and jurisdictional waters delineations. She is responsible for site reconnaissance, site research, regulatory research, and technical report writing.

PROJECT EXPERIENCE

Due Diligence Assessments
Project Manager for numerous Phase I ESA projects involving commercial, industrial, and telecommunication tower sites throughout the southeast U.S. for a broad client base including lending institutions, insurance companies, law firms, and private industrial entities using American Society for Testing and Materials (ASTM) and client-specific due diligence guidelines.

Jurisdictional Water Delineations
Performed various jurisdictional water delineations for properties throughout Georgia, Florida, and South Carolina.

Education
Bachelor of Science, Applied Environmental Spatial Analysis, Spring 2014, University of North Georgia
Geographic Information Science Certificate, Spring 2014, University of North Georgia
Environmental Science Certificate, Spring 2014, University of North Georgia

Certifications/Training
40-hour Basic Wetland Delineation, June 2015-Present

Work History
Terracon, Environmental Engineer Intern, June 2014 – August 2014
Terracon, Staff Environmental Scientist, September 2014 – Present
COURTNEY WILSON, M.S.
SENIOR STAFF SCIENTIST

PROFESSIONAL EXPERIENCE

Ms. Wilson is a Senior Staff Scientist in Terracon’s Atlanta, Georgia office. Project duties include client management, training of environmental personnel, Phase I Environmental Site Assessments (ESA), Limited Site Investigations (LSI), National Environmental Policy Act (NEPA) reviews, jurisdictional waters delineations, and threatened and endangered species habitat assessments. She is responsible for site reconnaissance, site research, regulatory research, soil, groundwater and vapor sampling, regulatory interpretations, and technical report preparation.

PROJECT EXPERIENCE

Due Diligence Assessments

Project Manager for hundreds of Phase I ESAs projects involving commercial, industrial, multi-family residential properties, and telecommunications tower sites throughout the United States for a varied client base in accordance with the current industry-recognized ASTM guidelines and client-specific due diligence guidelines. Examples of properties assessed include automotive repair and fueling facilities, dry-cleaning facilities, oil and natural gas facilities, multi-tenant retail facilities, multi-residential properties, commercial facilities in a dense urban settings, concrete batch-plant facilities, U.S. National Register of Historic Places properties, state wildlife areas, national wildlife refuges, and oil/petroleum refineries.

Limited Site Investigations

Performed several LSI projects to assess subsurface conditions for the presence of petroleum products and other hazardous substances. Project duties include drilling coordination and oversight, soil and groundwater sampling, data analysis, client management, and technical report writing.

Jurisdictional Waters Delineations

Performed various jurisdictional waters delineations and associated jurisdictional request for properties throughout Colorado, Wyoming, Georgia, and North Carolina.

Threatened and Endangered Species/State Special Concern Species Habitat Assessments

Performed threatened and endangered species/state concern species habitat assessments for properties throughout Colorado, Wyoming, and Southeast United States. Primary activities include Section 7 consultation, desktop reviews, and visual field reconnaissance to identify potential critical habitat on properties.

National Environmental Policy Act (NEPA) Reviews

Conducted numerous NEPA reviews as well as hundreds of preliminary NEPA reviews at telecommunications facilities throughout the Western United States.

Education

Master of Science, Biology, Georgia College and State University, 2010

Bachelor of Science, Biology, Georgia College and State University, 2006

Certifications/Training

40-Hour OSHA HAZWOPER Course

38-Hour U.S. Army Corps of Engineers Wetland Training, 2012

Terracon, 12-Week Fundamentals of Project Management Training, 2014

Affiliations

Rocky Mountain Association of Environmental Professionals

Society of Women Environmental Professionals

Society of Wetland Scientists

Work History

Terracon Consultants, Inc., Atlanta, Georgia, Senior Staff Scientist, 2014-present

Terracon Consultants, Inc., Denver, Colorado, Phase I ESA Group Manager/Staff Environmental Scientist, 2012-2014

Terracon Consultants, Inc., Atlanta, Georgia, Staff Environmental Scientist, 2011-2012

Georgia College and State University, Graduate/Teaching Assistant, 2008-2010

Georgia College and State University, Research Assistant, 2006-2010
JOHN A. MEADOW
PRINCIPAL / ENVIRONMENTAL DEPARTMENT MANAGER

PROFESSIONAL EXPERIENCE
Mr. Meadow manages the Environmental Department of Terracon’s Duluth, Georgia office as well as national accounts for Terracon’s Environmental Group with primary responsibilities ranging from client development, technical review, project execution and personal supervision of environmental staff. Mr. Meadow provides overall management, training, quality control and technical review of the Environmental Group’s activities, conducts engineering and environmental evaluations and serves as a key client contact.

Mr. Meadow has over 25 years of professional experience in the environmental consulting field. This experience includes geological, hydrogeological, geotechnical, and various aspects of environmental sampling and remediation activities. Mr. Meadow has extensive expertise in the area of due diligence which has included the coordination, management and implementation of several thousand real estate and commercial property assessments nationally for various lending institutions and private industry.

PROGRAM MANAGEMENT
Mr. Meadow currently serves as Program Manager for numerous banks, financial lending institutions, law firms, property developers, and national petroleum marketers. Program management tasks include and have included due diligence/environmental site assessment (ESA) coordination for individual sites and portfolios of real property assets nationwide.

ENVIRONMENTAL ASSESSMENTS
Mr. Meadow coordinates and oversees environmental site assessment (ESA) projects for various clients and as such has thorough understanding of current ASTM due diligence guidelines. Work scopes often include business environmental risk issue such as asbestos, lead-based paint, radon gas, mold-related issues and lead in drinking water sampling and operations and maintenance programs.

REMEDIAL ACTION
Mr. Meadow has managed regulatory compliance; release response; hydrogeologic investigations; RCRA groundwater monitoring; corrective action plans (CAP); remedial action projects; closure/upgrade, remediation and installation of underground and aboveground storage tank (UST/AST) fuel systems for national petroleum retailers; contractor oversight; dense non-aqueous phase liquids (DNAPL) investigations and remediation; polychlorinated biphenyl (PCB) investigations; asbestos and lead-based paint assessments and abatement projects; technical reviews; Spill Prevention Countermeasures and Control (SPCC) Plans; Stormwater Pollution Prevention (SWPP) Plans, as well as water resources development. These studies have been conducted under various regulatory programs including RCRA, CERCLA, CWA, numerous state equivalent programs as well as voluntary cleanup projects. Mr. Meadow has experience with soil/vapor extraction, air sparging, bioremediation, excavation and offsite disposal, thermal treatment and natural attenuation.
APPENDIX F
## Description of Selected General Terms and Acronyms

<table>
<thead>
<tr>
<th>Term/Acronym</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>ACM</td>
<td>Asbestos Containing Material. Asbestos is a naturally occurring mineral, three varieties of which (chrysotile, amosite, crocidolite) have been commonly used as fireproofing or binding agents in construction materials. Exposure to asbestos, as well as ACM, has been documented to cause lung diseases including asbestosis (scarring of the lung), lung cancer and mesothelioma (a cancer of the lung lining). Regulatory agencies have generally defined ACM as a material containing greater than one percent asbestos, however some states (e.g. California) define ACM as materials having 0.1% asbestos. In order to define a homogenous material as non-ACM, a minimum number of samples must be collected from the material dependent upon its type and quantity. Homogenous materials defined as non-ACM must either have 1) no asbestos identified in all of its samples or 2) an identified asbestos concentration below the appropriate regulatory threshold. Asbestos concentrations are generally determined using polarized light microscopy or transmission electron microscopy. Point counting is an analytical method to statistically quantify the percentage of asbestos in a sample. The asbestos component of ACM may either be friable or non-friable. Friable materials, when dry, can be crumbled, pulverized, or reduced to powder by hand pressure and have a higher potential for a fiber release than non-friable ACM. Non-friable ACM are materials that are firmly bound in a matrix by plastic, cement, etc. and, if handled carefully, will not become friable. Federal and state regulations require that either all suspect building materials be presumed ACM or that an asbestos survey be performed prior to renovation, dismantling, demolition, or other activities that may disturb potential ACM. Notifications are required prior to demolition and/or renovation activities that may impact the condition of ACM in a building. ACM removal may be required if the ACM is likely to be disturbed or damaged during the demolition or renovation. Abatement of friable or potentially friable ACM must be performed by a licensed abatement contractor in accordance with state rules and NESHAP. Additionally, OSHA regulations for work classification, worker training and worker protection will apply.</td>
</tr>
<tr>
<td>AHERA</td>
<td>Asbestos Hazard Emergency Response Act</td>
</tr>
<tr>
<td>AST</td>
<td>Aboveground Storage Tanks. ASTs are generally described as storage tanks less than 10% of which are below ground (i.e., buried). Tanks located in a basement, but not buried, are also considered ASTs. Whether, and the extent to which, an AST is regulated, is determined on a case-by-case basis and depends upon tank size, its contents and the jurisdiction of its location.</td>
</tr>
<tr>
<td>BGS</td>
<td>Below Ground Surface</td>
</tr>
<tr>
<td>BTEX</td>
<td>Benzene, Toluene, Ethylbenzene, and Xylenes. BTEX are VOC components found in gasoline and commonly used as analytical indicators of a petroleum hydrocarbon release.</td>
</tr>
<tr>
<td>CERCLA</td>
<td>Comprehensive Environmental Response, Compensation and Liability Act (a.k.a. Superfund). CERCLA is the federal act that regulates abandoned or uncontrolled hazardous waste sites. Under this Act, joint and several liability may be imposed on potentially responsible parties for cleanup-related costs.</td>
</tr>
<tr>
<td>CERCLIS</td>
<td>Comprehensive Environmental Response, Compensation and Liability Information System. An EPA compilation of sites having suspected or actual releases of hazardous substances to the environment. CERCLIS also contains information on site inspections, preliminary assessments and remediation of hazardous waste sites. These sites are typically reported to EPA by states and municipalities or by third parties pursuant to CERCLA Section 103.</td>
</tr>
<tr>
<td>CESQG</td>
<td>Conditionally exempt small quantity generators.</td>
</tr>
<tr>
<td>CFR</td>
<td>Code of Federal Regulations</td>
</tr>
<tr>
<td>Term/Acronym</td>
<td>Description</td>
</tr>
<tr>
<td>--------------</td>
<td>-------------</td>
</tr>
<tr>
<td>CREC</td>
<td>Controlled Recognized Environmental Condition is defined in ASTM E 1527-13 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 considered by the environmental professional to be a controlled recognized environmental condition shall be listed in the findings section of the Phase I Environmental Site Assessment report, and as a recognized environmental condition in the conclusions section of the Phase I Environmental Site Assessment report.”</td>
</tr>
<tr>
<td>DOT</td>
<td>U.S. Department of Transportation</td>
</tr>
<tr>
<td>ERNS</td>
<td>Emergency Response Notification System. An EPA-maintained federal database which stores information on notifications of oil discharges and hazardous substance releases in quantities greater than the applicable reportable quantity under CERCLA. ERNS is a cooperative data-sharing effort between EPA, DOT, and the National Response Center.</td>
</tr>
<tr>
<td>ESA</td>
<td>Environmental Site Assessment</td>
</tr>
<tr>
<td>FRP</td>
<td>Fiberglass Reinforced Plastic</td>
</tr>
<tr>
<td>Hazardous Substance</td>
<td>As defined under CERCLA, this is (A) any substance designated pursuant to section 1321(b)(2)(A) of Title 33, (B) any element, compound, mixture, solution, or substance designated pursuant to section 9602 of this title; (C) any hazardous waste having characteristics identified under or listed pursuant to section 3001 of the Solid Waste Disposal Act (with some exclusions); (D) any toxic pollutant listed under section 1317(a) of Title 33; (E) any hazardous air pollutant listed under section 112 of the Clean Air Act; and (F) any imminently hazardous chemical substance or mixture with respect to which the EPA Administrator has taken action under section 151a of Title 15. This term does not include petroleum, including crude oil or any fraction thereof which is not otherwise listed as a hazardous substance under subparagraphs (A) through (F) above, and the term include natural gas, or synthetic gas usable for fuel (or mixtures of natural gas and such synthetic gas).</td>
</tr>
<tr>
<td>Hazardous Waste</td>
<td>This is defined as having characteristics identified or listed under section 3001 of the Solid Waste Disposal Act (with some exceptions).</td>
</tr>
<tr>
<td>HREC</td>
<td>Historical Recognized Environmental Condition is defined in ASTM E 1527-13 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). If the EP considers the past release to be a recognized environmental condition at the time the Phase I ESA is conducted, the condition shall be included in the conclusions section of the report as a recognized environmental condition.”</td>
</tr>
<tr>
<td>ILP</td>
<td>Innocent Landowner/Operator Program</td>
</tr>
<tr>
<td>LQG</td>
<td>Large quantity generators.</td>
</tr>
<tr>
<td>LUST</td>
<td>Leaking Underground Storage Tank. This is a federal term set forth under RCRA for leaking USTs. Some states also utilize this term.</td>
</tr>
<tr>
<td>MCL</td>
<td>Maximum Contaminant Level. This Safe Drinking Water concept (and also used by many states as a ground water cleanup criteria) refers to the limit on drinking water contamination that determines whether a supplier can deliver water from a specific source without treatment.</td>
</tr>
<tr>
<td>Term/Acronym</td>
<td>Description</td>
</tr>
<tr>
<td>--------------</td>
<td>-------------</td>
</tr>
<tr>
<td><strong>PCB</strong></td>
<td>Polychlorinated Biphenyl. A halogenated organic compound commonly in the form of a viscous liquid or resin, a flowing yellow oil, or a waxy solid. This compound was historically used as dielectric fluid in electrical equipment (such as electrical transformers and capacitors, electrical ballasts, hydraulic and heat transfer fluids), and for numerous heat and fire sensitive applications. PCB was preferred due to its durability, stability (even at high temperatures), good chemical resistance, low volatility, flammability, and conductivity. PCBs, however, do not break down in the environment and are classified by the EPA as a suspected carcinogen. 1978 regulations, under the Toxic Substances Control Act, prohibit manufacturing of PCB-containing equipment; however, some of this equipment may still be in use today.</td>
</tr>
<tr>
<td><strong>pCi/L</strong></td>
<td>Pico Curies per Liter of Air. Unit of measurement for Radon and similar radioactive materials.</td>
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<tr>
<td><strong>PLM</strong></td>
<td>Polarized Light Microscopy (see ACM section of the report, if included in the scope of services)</td>
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<tr>
<td><strong>PST</strong></td>
<td>Petroleum Storage Tank. An AST or UST that contains a petroleum product.</td>
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<tr>
<td><strong>Radon</strong></td>
<td>A radioactive gas resulting from radioactive decay of naturally-occurring radioactive materials in rocks and soils containing uranium, granite, shale, phosphate, and pitchblende. Radon concentrations are measured in Pico Curies per Liter of Air. Exposure to elevated levels of radon creates a risk of lung cancer; this risk generally increases as the level of radon and the duration of exposure increases. Outdoors, radon is diluted to such low concentrations that it usually does not present a health concern. However, radon can accumulate in building basements or similar enclosed spaces to levels that can pose a risk to human health. Indoor radon concentrations depend primarily upon the building's construction, design and the concentration of radon in the underlying soil and ground water. The EPA recommended annual average indoor &quot;action level&quot; concentration for residential structures is 4.0 pCi/l.</td>
</tr>
<tr>
<td><strong>RCRA Generators</strong></td>
<td>The RCRA generators list is part of the RCRIS database maintained by EPA and lists facilities that generate hazardous waste as part of their normal business operations, as more particularly defined under Section 4.1 of this report.</td>
</tr>
<tr>
<td><strong>RCRA CORRACTS/TSD</strong></td>
<td>The USEPA maintains a database of RCRA facilities associated with treatment, storage, and disposal (TSD) of hazardous materials which are undergoing &quot;corrective action&quot;. A &quot;corrective action&quot; order is issued when there is a release of hazardous waste or constituents into the environment from a RCRA facility.</td>
</tr>
<tr>
<td><strong>RCRA Non-CORRACTS/TSD</strong></td>
<td>The RCRA Non-CORRACTS/TSD Database is a compilation by the USEPA of facilities which report storage, transportation, treatment, or disposal of hazardous waste. Unlike the RCRA CORRACTS/TSD database, the RCRA Non-CORRACTS/TSD database does not include RCRA facilities where corrective action is required.</td>
</tr>
<tr>
<td><strong>RCRA Violators List</strong></td>
<td>RAATS: RCRA Administrative Actions Taken. RAATS information is now contained in the RCRIS database and includes records of administrative enforcement actions against facilities for noncompliance.</td>
</tr>
<tr>
<td><strong>RCRIS</strong></td>
<td>Resource Conservation and Recovery Information System, as defined in the Records Review section of this report.</td>
</tr>
<tr>
<td><strong>REC</strong></td>
<td>Recognized Environmental Conditions are defined by ASTM E1527-13 as &quot;the presence or likely presence of any hazardous substances or petroleum products in, on, or at a property: 1) due to any release to the environment; 2) under conditions indicative of a release to the environment; or 3) under conditions that pose a material threat of a future release to the environment. De minimis conditions are not recognized environmental conditions.&quot;</td>
</tr>
<tr>
<td><strong>SCL</strong></td>
<td>State “CERCLIS” List (see SPL /State Priority List, below).</td>
</tr>
</tbody>
</table>
### Description of Selected General Terms and Acronyms (cont.)

<table>
<thead>
<tr>
<th>Term/Acronym</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>MSDS</strong></td>
<td>Material Safety Data Sheets. Written/printed forms prepared by chemical manufacturers, importers and employers which identify the physical and chemical traits of hazardous chemicals under OSHA’s Hazard Communication Standard.</td>
</tr>
<tr>
<td><strong>NESHAP</strong></td>
<td>National Emissions Standard for Hazardous Air Pollutants (Federal Clean Air Act). This part of the Clean Air Act regulates emissions of hazardous air pollutants.</td>
</tr>
<tr>
<td><strong>NFRAP</strong></td>
<td>Facilities where there is &quot;No Further Remedial Action Planned,&quot; as more particularly described under the Records Review section of this report.</td>
</tr>
<tr>
<td><strong>NOV</strong></td>
<td>Notice of Violation. A notice of violation or similar citation issued to an entity, company or individual by a state or federal regulatory body indicating a violation of applicable rule or regulations has been identified.</td>
</tr>
<tr>
<td><strong>NPDES</strong></td>
<td>National Pollutant Discharge Elimination System (Clean Water Act). The federal permit system for discharges of polluted water.</td>
</tr>
<tr>
<td><strong>NPL</strong></td>
<td>National Priorities List, as more particularly described under the Records Review section of this report.</td>
</tr>
<tr>
<td><strong>OSHA</strong></td>
<td>Occupational Safety and Health Administration or Occupational Safety and Health Act</td>
</tr>
<tr>
<td><strong>PACM</strong></td>
<td>Presumed Asbestos-Containing Material. A material that is suspected of containing or presumed to contain asbestos but which has not been analyzed to confirm the presence or absence of asbestos.</td>
</tr>
<tr>
<td><strong>SPCC</strong></td>
<td>Spill Prevention, Control and Countermeasures. SPCC plans are required under federal law (Clean Water Act and Oil Pollution Act) for any facility storing petroleum in tanks and/or containers of 55-gallons or more that when taken in aggregate exceed 1,320 gallons. SPCC plans are also required for facilities with underground petroleum storage tanks with capacities of over 42,000 gallons. Many states have similar spill prevention programs, which may have additional requirements.</td>
</tr>
<tr>
<td><strong>SPL</strong></td>
<td>State Priority List. State list of confirmed sites having contamination in which the state is actively involved in clean up activities or is actively pursuing potentially responsible parties for clean up. Sometimes referred to as a State “CERCLIS” List.</td>
</tr>
<tr>
<td><strong>SQG</strong></td>
<td>Small quantity generator.</td>
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<tr>
<td><strong>SWF</strong></td>
<td>Solid Waste Facility</td>
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<tr>
<td><strong>TPH</strong></td>
<td>Total Petroleum Hydrocarbons</td>
</tr>
<tr>
<td><strong>TRI</strong></td>
<td>Toxic Release Inventory. Routine EPA report on releases of toxic chemicals to the environment based upon information submitted by entities subject to reporting under the Emergency Planning and Community Right to Know Act.</td>
</tr>
<tr>
<td><strong>TSCA</strong></td>
<td>Toxic Substances Control Act. A federal law regulating manufacture, import, processing and distribution of chemical substances not specifically regulated by other federal laws (such as asbestos, PCBs, lead-based paint and radon). 15 U.S.C 2601 et seq.</td>
</tr>
<tr>
<td><strong>USACE</strong></td>
<td>United States Army Corps of Engineers</td>
</tr>
<tr>
<td><strong>USC</strong></td>
<td>United States Code</td>
</tr>
<tr>
<td><strong>USGS</strong></td>
<td>United States Geological Survey</td>
</tr>
<tr>
<td><strong>USNRC</strong></td>
<td>United States Department of Agriculture-Natural Resource Conservation Service</td>
</tr>
<tr>
<td><strong>UST</strong></td>
<td>Underground Storage Tank. Most federal and state regulations, as well as ASTM E1527-05, define this as any tank, incl., underground piping connected to the tank, that is or has been used to contain hazardous substances or petroleum products and the volume of which is 10% or more beneath the surface of the ground (i.e., buried).</td>
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<tr>
<td><strong>VCP</strong></td>
<td>Voluntary Cleanup Program</td>
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<tr>
<td><strong>VOC</strong></td>
<td>Volatile Organic Compound</td>
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<tr>
<td>Term/Acronym</td>
<td>Description</td>
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<tr>
<td>Wetlands</td>
<td>Areas that are typically saturated with surface or ground water that creates an environment supportive of wetland vegetation (i.e., swamps, marshes, bogs). The <em>Corps of Engineers Wetlands Delineation Manual</em> (Technical Report Y-87-1) defines wetlands as areas inundated or saturated by surface or ground water at a frequency and duration sufficient to support, and that under normal circumstances do support, a prevalence of vegetation typically adapted for life in saturated soil conditions. For an area to be considered a jurisdictional wetland, it must meet the following criteria: more than 50 percent of the dominant plant species must be categorized as Obligate, Facultative Wetland, or Facultative on lists of plant species that occur in wetlands; the soil must be hydric; and, wetland hydrology must be present. The federal Clean Water Act which regulates “waters of the US,” also regulates wetlands, a program jointly administered by the USACE and the EPA. Waters of the U.S. are defined as: (1) waters used in interstate or foreign commerce, including all waters subject to the ebb and flow of tides; (2) all interstate waters including interstate wetlands; (3) all other waters such as intrastate lakes, rivers, streams (including intermittent streams), mudflats, sandflats, wetlands, sloughs, prairie potholes, wet meadows, playa lakes, or natural ponds, etc., which the use, degradation, or destruction could affect interstate/foreign commerce; (4) all impoundments of waters otherwise defined as waters of the U.S., (5) tributaries of waters identified in 1 through 4 above; (6) the territorial seas; and (7) wetlands adjacent to waters identified in 1 through 6 above. Only the USACE has the authority to make a final wetlands jurisdictional determination.</td>
</tr>
</tbody>
</table>