

**ST. JOHN & ASSOCIATES, INC  
508 1<sup>ST</sup> AVENUE SE  
CULLMAN, ALABAMA 35055**

**PHASE I ENVIRONMENTAL SITE ASSESSMENT  
PROPOSED JACKS FAMILY RESTAURANT  
INTERSECTION OF HACKS CROSS ROAD AND WOODS BOULEVARD  
OLIVE BRANCH, DESOTO COUNTY, MISSISSIPPI  
PROJECT NO. 20-1188**

**NOVEMBER 5, 2020**

**PREPARED BY:**



**GEO SOLUTIONS, L.L.C.  
7201 OPPORTUNITY BOULEVARD  
HUNTSVILLE, ALABAMA 35810**

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## **1.0 SUMMARY**

The following report provides the results of a Phase I Environmental Site Assessment performed on an approximate 2 acre parcel located at the intersection of Hacks Cross Road and Woods Boulevard in Olive Branch, DeSoto County, Mississippi. This assessment was performed in general accordance with the guidelines outlined in ASTM Practice E-1527-13. Per the ASTM E 1527-13, the definition of a recognized environmental condition is defined as "the presence or likely presence of any hazardous substances or petroleum products in, on, or at a property (1) due to release to the environment; or (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". This report will refer to this definition when discussing a recognized environmental condition.

The subject property is an undeveloped parcel that is located at the intersection of Hacks Cross Road and Woods Boulevard in Olive Branch, DeSoto County, Mississippi. The property is Lot 4 of Whispering Woods Commercial Subdivision. The property is split by a paved roadway that connects Hacks Cross Road and the access road that borders the eastern portion of the property. The site is currently covered with grasses and weeds. Prior to the development of the neighboring commercial businesses and the paved road, the property was undeveloped and part of Whispering Woods Hotel and Golf Course.

Site reconnaissance for this Phase I Environmental Site was conducted on November 4, 2020. The subject property was not listed on the databases searched by EDR. There is a Leaking Underground Storage Tank (LUST) site, Olive Branch Radio Relay Station, located across Hacks Cross Road to the southwest. The property is located down-gradient and has a closed LUST Status. There is a State Hazardous Waste Site (SHWS) and Voluntary Cleanup Program (VCP) Site, American Helmitin Tank Farm, located approximately ½ mile north of the subject property. The site was issued a No Further Action on June 30, 2015. Holiday Inn Executive Conference Center is also listed as a SHWS site with a No Further Action issued on October 12, 2006. Hacks Cross Express and Olive Branch Radio Relay Station both have Underground Storage Tanks (UST). The Vapor Encroachment Screening utilizes method E2600-10 to determine the probability of vapor encroachment onto the subject property. There are no sites listed in the Vapor Encroachment Screening.

Based on the site reconnaissance, data and document review, and interviews, it is our opinion that this assessment does not identify any recognized environmental conditions at this time.



## **2.0 INTRODUCTION**

### **2.1 Purpose**

The purpose of this assessment is to identify recognized environmental conditions in connection with the property as outlined in federal, state or local laws and regulations. The assessment was performed pursuant to guidelines outlined in American Society for Testing and Materials (ASTM) Practice E 1527-13. Per the ASTM E 1527-13, the definition of a recognized environmental condition (REC) is defined as "the presence or likely presence of any hazardous substances or petroleum products in, on, or at a property (1) due to release to the environment; or (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". This report will refer to this definition when discussing a recognized environmental condition.

### **2.2 Detailed Scope-of-Services**

A Phase I ESA is a service whose basic elements are determined by the standard of care prevailing at the time the service was rendered in the area where it was rendered. The standards of care can be articulated by American Society for Testing and Materials (ASTM) Standard E1527-13: Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process.

GEO has performed this Phase I ESA in general conformance with the four components outlined in the ASTM standard referenced above. These components are:

#### **1. Records Review:**

The purpose of the records review is to obtain and review records that will help identify RECs in connection with the subject property. Records that GEO Solutions, LLC obtained during the performance of this Phase I ESA were reasonably ascertainable and practically reviewable public records. GEO Solutions, LLC contracted with Environmental Data Resources, Inc. (EDR) in Milford, Connecticut to provide information on the subject property and offsite properties in the vicinity of the subject property. ASTM recommended minimum search distances (MSDs) were used in determining which properties, if any, to examine further. Examination of the subject property and offsite properties, located within the respective MSDs, led to the formulation of opinions presented in this assessment suggesting past practices involving the use of contaminants within the scope of the Comprehensive Environmental Response, Compensation and Liability Act (CERCLA) and petroleum products. The ASTM MSDs are outlined in Section 5.1 of this report.

In order to determine if CERCLA contaminants or petroleum products were involved in the operations that occurred on the subject property or properties in the vicinity of the subject property, GEO Solutions, LLC reviewed standard historical sources. Depending on the availability of these sources, GEO Solutions, LLC reviewed one or more of the following sources:

- Aerial Photographs
- Fire Insurance Maps
- Property Tax Files
- Recorded Land Title Records

- USGS Topographic Maps
- Local Street Directories
- Other Historical Sources

In order to determine the past use of the property back to 1940 or first developed use, GEO Solutions, LLC has attempted to examine the chain-of-title for the subject property. Depending on the variability of title records from county to county, title records are not always reasonably ascertainable or practically reviewable.

## 2. Site Reconnaissance:

The objective of the site reconnaissance is to obtain information indicating the likelihood of identifying RECs in connection with the subject property. A site visit is conducted by a GEO Solutions, LLC Environmental Professional to observe both the exterior and interior (if applicable) portions of the subject property to identify conditions that might suggest past or present uses of CERCLA contaminants or petroleum products. GEO Solutions, LLC makes every effort to observe all areas of the property or the interior of the structure; however, limitations such as heavy vegetative cover, bodies of water, paved areas, adjacent buildings, etc. do exist. If limitations were encountered during the performance of this assessment, these limitations will be documented.

## 3. Interviews:

The objective of interviews is to obtain information indicating RECs in connection with the subject property. Interviews performed by GEO Solutions, LLC may be in person, by telephone, or in writing, depending on the particular situation. At a minimum, GEO Solutions, LLC will attempt to interview:

- Current Property Owner
- Current Property Manager
- Past Property Owner
- Key Site Manager (if applicable)
- Occupant (Key Site Manager or Property Owner may be considered an Occupant)
- State and/or Local Government Officials (if applicable)

## 4. Evaluation and Report Preparation:

Upon completion and documentation of the three previous components outlined above, GEO Solutions, LLC has compiled the information and provided this report. Our findings and opinions are contained in Sections 9.0 and 10.0, respectively. Conclusions resulting from this Phase I ESA are contained in Section 11.0. The contents and report format of this Phase I ESA **are in general conformance with the recommendations outlined in the ASTM standard E1527-13.**

### **2.3 Significant Assumptions**

Opinions relative to onsite and offsite migration of potential contamination may be presented in this report. Overall assumptions to groundwater flow may be made or inferred. Groundwater flow typically mimics topographic relief under normal conditions assuming that there are no changes in groundwater flow direction due to significant

groundwater withdrawals in the immediate area. In the typical purposes of a Phase I ESA report, groundwater flow direction and any potential contaminants in the groundwater are assumed to mimic topographic slope.

## **2.4 Limitations and Exceptions**

This Phase I ESA did not include any inquiry with respect to asbestos, wetlands, mold, lead-based paint, radon, methane, underground mines, sinkholes, endangered species, historical significance or undocumented manmade activities. GEO Solutions, LLC notes that the last site reconnaissance occurred on November 4, 2020, and that conditions at the subject site may have changed.

The findings and opinions conveyed via this Phase I ESA report are based on information obtained from a variety of sources enumerated herein, and which GEO Solutions, LLC believes is reliable. Nonetheless, ***GEO Solutions, LLC cannot and does not guarantee the authenticity or accuracy of the information it has relied upon.*** This report is not a comprehensive site characterization and should not be construed as such. The opinions presented in this report are based on findings derived from a site reconnaissance, a review of specified regulatory records and historical sources, and comments made by interviewees.

## **2.5 Special Terms and Conditions**

As noted above, this assessment was conducted within the scope and limitations of a Phase I ESA in accordance with the ASTM standard E1527-13. This report was prepared for the use and benefit of St. John & Associates, Inc. The work performed is subject to the terms and conditions specifically stated in GEO Solutions, LLC's proposal. Use of this report by other parties will be at such parties' risk, and GEO Solutions, LLC does not authorize the use of this report by additional parties.

Use of the reports by parties, other than those listed in this report, will require a reliance authorization letter from GEO Solutions, LLC and we reserve the right to deny issuance of a reliance letter to such additional parties. Additional fees may be incurred for issuance of additional reports or reliance letters.

GEO Solutions, LLC's research, while reasonably appropriate for a Phase I ESA, may fail to indicate the existence of important information sources. If such sources exist, their information would not have been considered in the formulation of findings and opinions in this report. GEO Solutions, LLC cannot warrant or guarantee that not finding indicators of hazardous materials means that hazardous materials do not exist on the site.

Additional research, including invasive testing, can reduce the risks, however, there are no known techniques, now commonly employed, that can eliminate these risks altogether. GEO Solutions, LLC will be pleased to provide more information on this regard.

## **2.6 User Reliance**

Problems have arisen in the past because people and organizations have assumed, improperly, that they could rely on a Phase I ESA report developed for another party. So as there is no confusion in this respect, recognize that St. John & Associates, Inc. is

listed as the main beneficiary of this report. St. John & Associates, Inc. is the only party to which GEO has explained the risks involved and which have been involved in the shaping of the scope of services needed to satisfactorily manage those risks from St. John & Associates, Inc.'s point of view. GEO Solutions, LLC's findings and opinions related in this report may not be relied upon by any parties other than St. John & Associates, Inc. With the consent of St. John & Associates, Inc., GEO Solutions, LLC is available to contract with other parties to develop findings and opinions related specifically to such other parties' unique risk management concerns.

### **3.0 SITE DESCRIPTION**

#### **3.1 Location and Legal Description**

The subject property is an undeveloped parcel located at the intersection of Hacks Cross Road and Woods Boulevard in Olive Branch, Mississippi. The property is Lot 4 of Whispering Woods Commercial Subdivision and is located in Section 26 of T1S and R6W. The approximate 2-acre parcel and is covered by grasses and weeds. A copy of the deed can be found in the Probate Records Room in the DeSoto County Courthouse. Please see Appendix 15.3.1 for a copy of the current deed and legal description of the property.

#### **3.2 Site Vicinity and General Characteristics**

The subject site is located at the intersection of Hacks Cross Road and Woods Boulevard in Olive Branch, Mississippi. The site drains to the west toward the drainage ditch. There is a paved road that traverses the property from east to west. The property is zoned commercial and retail. The surrounding area includes commercial and retail property.

#### **3.3 Current Use of the Property**

The subject property is currently undeveloped.

#### **3.4 Description of Structures, Roads, Other Improvements on the Site**

The site is currently undeveloped and is part of the Whispering Woods Commercial Subdivision. A paved road traverses the property from east to west. A concrete flume has been installed in the southwest drainage ditch.

#### **3.5 Current Uses of the Adjoining Properties**

The subject site is bordered to the north and west by undeveloped property. The site is bordered to the south by Waffle House Restaurant. Hacks Cross Road borders the property to the west. Beyond Hacks Cross Road is St Luke Church.

### **4.0 USER PROVIDED INFORMATION**

#### **4.1 Title Records**

Title records were provided to GEO Solutions by the user. The current deed can be found in the Probate Records Room in the DeSoto County Courthouse. A copy of the current deed is located in Appendix 15.3.1.

## **4.2 Environmental Liens or Activity and Use Limitations**

Information pertaining to environmental liens or activity/use limitations was not provided to GEO by the user. The EDR report did not indicate that there are any environmental liens or activity/use limitations associated with the subject property.

## **4.3 Specialized Knowledge**

No specialized knowledge was provided to GEO Solutions by the user.

## **4.4 Commonly Known or Reasonably Ascertainable Information**

No commonly known or reasonably ascertainable information was provided to GEO Solutions by the user.

## **4.5 Valuation Reduction for Environmental Ascertainable Information**

No information indicating that the purchase price of the property is significantly less than the purchase price of comparable properties was made available to GEO Solutions by the user.

## **4.6 Owner, Property Manager, and Occupant Information**

The current property owner of the subject parcels is Hacks Cross Development, LLC.

## **4.7 Reason for Performing Phase I**

The reason for this Phase I is to assess the current condition of the property.

## **5.0 RECORDS REVIEW**

### **5.1 Standard Environmental Record Sources**

#### **5.1.1 Environmental Data Resources (EDR)**

Environmental Data Resources (EDR) was used to compile sites that appear on various state or federal databases on and around the subject property. The subject site is not listed in the EDR report. A list of databases searched is found on pages 3 through 6 of EDR's report. EDRs' reports are found in Appendix 15.4.1 – Regulatory Records Documentation.

#### **State Hazardous Waste Site (SHWS)**

2 SHWS sites within 1 mile

Holiday Inn Executive Conf  
Center  
American Heminitin Tank

#### **Leaking Underground Storage Tank (LUST)**

1 LUST site within ½ mile

Olive Branch Radio Relay Sta

#### **Underground Storage Tank (UST)**

1 UST site within ¼ mile

Hacks Cross Express

#### **EDR Historic Automotive Site (EDR Hist Auto)**

1 EDR Hist Auto site within ¼ mile

RA Rally Inc.

For a general description of each state or federal list, please refer to the EDR report pages GR-1 thru GR-24.

### **5.1.2 Vapor Encroachment Screen (EDR)**

Vapor Encroachment Screen through EDR was used to screen or evaluate sites that appear on various state or federal databases on and around the subject property. A list of databases searched is found on page 1 of the Executive Summary. EDRs' Vapor Encroachment report is found in Appendix 15.4.2 – Regulatory Records Documentation.

The Vapor Encroachment Screen utilizes method E2600-10 to determine the probability of vapor encroachment onto the subject property. The subject site is not listed in the Vapor Encroachment Screening. There are no other properties listed.

## **5.2 Physical Setting Sources**

### **5.2.1 Soil Study**

Descriptions of soils present on the subject property were obtained from the Soil Survey, DeSoto County Alabama – U.S. Department of Agriculture, Soil Conservation Service.

#### **Calloway silt loam, severely eroded, gently sloping (Ce)**

These poorly drained soils develop in deep loess along long narrow slopes. Erosion has removed a majority of the surface layer. The subsoil may be exposed and is typically a yellowish-brown silt loam with dark brown mottles. There is a light gray fragipan that occurs below the upper 12 to 14 inches that transitions to a yellowish-brown to light yellowish-brown silt loam with dark yellowish-brown and white mottles.

#### **Falaya and Waverly silt loam, local alluvium (Fc)**

These poorly drained silty soils are found in drainage ways and depressions as well as the toe of slopes borders flood plains. They are formed from silty alluvium washed in from acid loess. The surface layer is a dark brown silt loam. The subsoil is a grayish-brown to light brownish-gray silt loam with brown mottles.

#### **Grenada silt loam, eroded very gently sloping (Ga)**

These well-drained soils occupy the loess uplands. The surface layer is a dark grayish-brown, silt loam. The subsoil is a dark yellowish-brown heavy silt loam that transitions to a yellowish-brown silty clay loam with brown and some gray mottles and manganese concretions. At approximately 24 inches, there is a light-gray silty clay loam fragipan with dark yellowish-brown mottles and few manganese concretions.

### **5.2.2 Geology Study**

The "Geologic Map of Mississippi," prepared by the Mississippi Geological Survey, was used to review the geology of the area. Review of published geologic maps indicates the site is underlain by the Kosciusko Formation. The Kosciusko Formation is described as irregularly bedded sand, clay and some quartzite. The site is also in a Loess and brown loam area. The Loess and Brown Loams are typically grayish to yellowish-brown, massive silt; the pattern indicated the area within which the loess is generally thicker than ten feet.

### **5.2.3 Surface Water Study**

According to Federal Emergency Management Agency's Flood Maps, the site is located in Flood Zone X (areas determined to be out of the flood zone) from panel 28033C0110H dated May 5, 2014. A copy of a close up of the map can be found in Appendix 15.4.3.

#### **5.2.4 Groundwater Study**

The Environmental Data Resource (EDR) lists 55 wells within one mile of the subject property, 14 Federal USGS Wells, one Federal FRDS Public Water Supply System and 40 State Wells.

### **5.3 Historical Use Information on the Property**

#### **5.3.1 Property Tax Records Search**

GEO Solutions was unable to conduct a title search of the DeSoto County Tax Assessor's Records. The current property owner is Hacks Cross Development, LLC, who purchased the property from Felcor Hotel Asset Company, LLC (part of John Hyneman Deed), in 2003. The current deed of record can be found in the Probate Records Room in the DeSoto County Courthouse. A copy of the plat can be found in Appendix 15.3.1.

#### **5.3.2 Historical Use Information on Property**

The property has been undeveloped and used part of the Whispering Woods Golf Course in the past.

#### **5.3.3 Historical Use Information on Adjoining Properties**

The surrounding properties were also utilized for residential and part of the Whispering Woods Hotel and Golf Course prior to commercial and retail development.

#### **5.3.4 Aerial Photograph Review**

Aerial photographs were reviewed for historical purposes. The aerial photographs from 1937, 1953 and 1965 show the property as undeveloped. The aerials from 1971, 1980, 1985 and 1997 show trees on the property. The photograph from 2006 shows the construction of Whispering Woods Commercial Subdivision. The remaining aerial photographs show the site as it currently appears. The aerial photographs can be found in Appendix 15.3.2.

#### **5.3.5 Historical Map Review**

USGS Topographic Maps were reviewed for historical purposes. The maps do not show any structures on the property. The historical maps can be found in Appendix 15.3.3.

#### **5.3.6 Sanborn Map Review**

There were no Sanborn Maps available for this property.

### **6.0 SITE RECONNAISSANCE**

#### **6.1 Methodology and Limiting Conditions**

The field reconnaissance of the site was performed on November 4, 2020. During the site reconnaissance, GEO Solutions, L.L.C. personnel traversed the property and adjoining properties on foot. During the examination, GEO Solutions searched for hazardous substances or petroleum products that could pose environmental liabilities.

Environmental Data Resources, Inc. (EDR) completed reviews of records of federal and state regulatory agencies. Environmental databases were searched for sites listed within a one-mile radius of the subject property. See Appendix 15.4.1 for the findings.

## **6.2 General Site Setting**

The subject property is located at the intersection of Hacks Cross Road and Woods Boulevard in Olive Branch, DeSoto County, Mississippi. The property has been utilized as undeveloped in the past. The property drains to the west. Access to the property is from Hacks Cross Road and Woods Boulevard.

## **6.3 Exterior Observations**

A site reconnaissance was performed on November 4, 2020, on the subject property and the adjoining properties. The site was traversed to identify any past or present signs of environmental concerns.

The on-site reconnaissance did not disclose any visible signs of the following:

Colluvium	Landslides	Bluffs
Lineaments	Sinkholes	Springs
Endangered / Threatened Species		Caves
Seeps	Quarry Operations	Historical / Archeological
Wetlands	Pits, ponds. Lagoons	

## **6.4 Interior Observations**

There are currently no buildings located on the property.

## **7.0 INTERVIEWS**

### **7.1 Interviews with the Current Owner**

Mr. Spence Ray, member of Hacks Cross Development, LLC, was interviewed regarding his knowledge of the property. Mr. Ray stated that he purchased the property from Felcor Hotel Asset Company in 2003. He also stated that the property was part of the Whispering Woods Hotel and Golf Course. Several clean Phase I reports have been performed on the adjoining properties. Mr. Ray is not aware of any environmental concerns associated with the property.

## **8.0 FINDINGS**

The subject property is an undeveloped parcel that is located at the intersection of Hacks Cross Road and Woods Boulevard in Olive Branch, DeSoto County, Mississippi. The property is Lot 4 of Whispering Woods Commercial Subdivision. The property is split by a paved roadway that connects Hacks Cross Road and the access road that borders the eastern portion of the property. The site is currently covered with grasses and weeds. Prior to the development of the neighboring commercial businesses and the paved road, the property was undeveloped and part of Whispering Woods Hotel and Golf Course.

Site reconnaissance for this Phase I Environmental Site was conducted on November 4, 2020. The subject property was not listed on the databases searched by EDR. There is a Leaking Underground Storage Tank (LUST) site, Olive Branch Radio Relay Station, located across Hacks Cross Road to the southwest. The property is located down-gradient and has a closed LUST Status. There is a State Hazardous Waste Site (SHWS) and Voluntary Cleanup Program (VCP) Site, American Helmitin Tank Farm, located approximately ½ mile north of the subject property. The site was issued a No Further Action on June 30, 2015. Holiday Inn Executive Conference Center is also



listed as a SHWS site with a No Further Action issued on October 12, 2006. Hacks Cross Express and Olive Branch Radio Relay Station both have Underground Storage Tanks (UST). The Vapor Encroachment Screening utilizes method E2600-10 to determine the probability of vapor encroachment onto the subject property. There are no sites listed in the Vapor Encroachment Screening.

## **9.0 OPINION**

Based on the site reconnaissance, data and document review, and interviews, it is our opinion that this assessment does not identify any recognized environmental conditions at this time.

## **10.0 CONCLUSIONS**

GEO Solutions, L.L.C., performed a Phase I Environmental Site Assessment in conformance with the scope and limitations of ASTM E1527-13 on an approximate 2-acre parcel located at the intersection of Hacks Cross Road and Woods Boulevard in Olive Branch, DeSoto County, Mississippi. Any exceptions to or deletions from this practice are described in Section 11.0 of this report. Based on the site reconnaissance, data and document review, and interviews, it is our opinion that this assessment does not identify any recognized environmental conditions at this time.

## **11.0 DEVIATIONS AND DATA GAPS**

### **11.1 Deviations**

The previous owner was not interviewed. A title search was not conducted.

### **11.2 Data Gaps**

Topographic maps were not available between 1997 and 2006 when the commercial subdivision was developed.

## **12.0 ADDITIONAL SERVICES**

### **12.1 Area Radon Information**

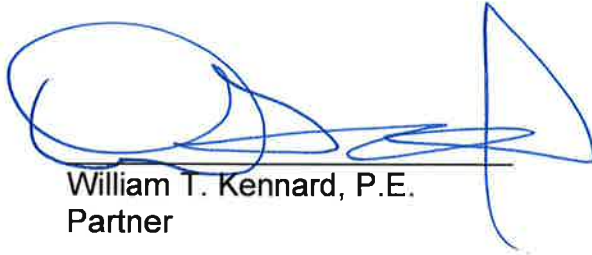
According to the EDR report, the property is located in radon Zone 3 for DeSoto County, with an indoor average radon level greater than 4.0 pCi/L. A total of 2 sites were tested for radon in the property's zip code on the state level. None of the sites tested were reported to have radon concentrations above 4.0 pCi/L.

### 13.0 REFERENCES

- ASTM Standard E 1527-13, "Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process," ASTM International, West Conshohocken, PA, [www.astm.org](http://www.astm.org).
- "Flood Insurance Rate Map – DeSoto County, Alabama and Incorporated Areas," National Flood Insurance Program, May 5, 2014.
- "Geologic Map of Mississippi," prepared by the Mississippi Geological Survey, Moore, William Halsell, 1969.
- "Web Soil Survey – DeSoto County Mississippi," United States Department of Agriculture, Natural Resources Conservation Service, November 2, 2020.; <http://websoilsurvey.nrcs.usda.gov>.
- "The EDR Radius Map with GeoCheck," EDR Environmental Data Resources, Inc., November 2, 2020.
- "EDR Vapor Encroachment Screen," EDR Environmental Data Resources, Inc., November 3, 2020.
- "EDR Historical Topo Map Report," EDR Environmental Data Resources, Inc., November 2, 2020.
- "EDR Aerial Photo Decade Package," EDR Environmental Data Resources, Inc., November 3, 2020.
- "EDR City Directory Image Report," EDR Environmental Data Resources, Inc., November 4, 2020.

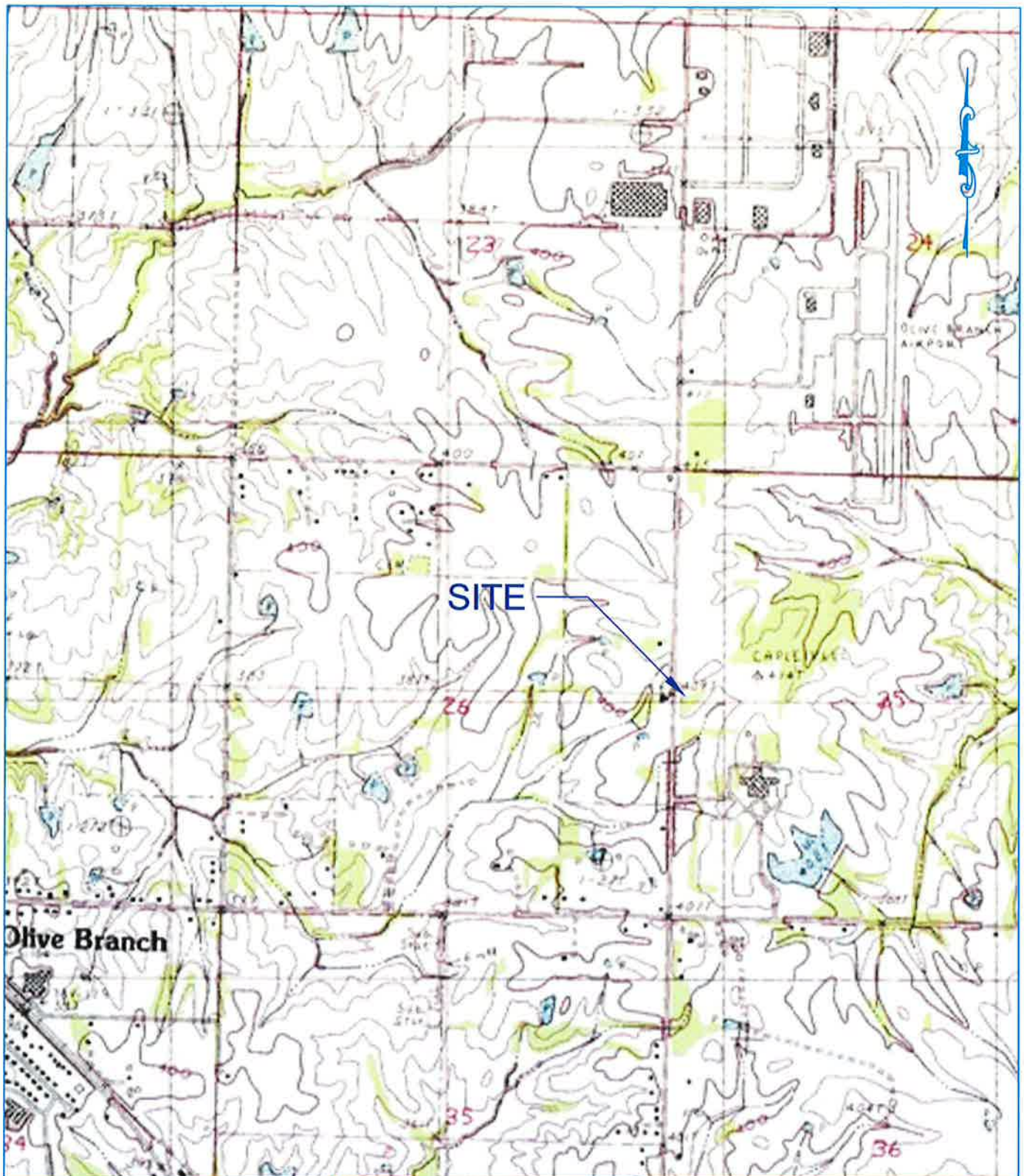
#### **14.0 CLOSING**

I declare that, to the best of our professional knowledge and belief, I meet the definition of Environmental Professional as defined in § 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 subject property. I have developed and performed the all appropriate inquiries in conformance with the standards and practices set forth in 40 CFR Part 312.



William T. Kennard, P.E.  
Partner

## **15.1 Site Map**



PROPOSED JACKS  
HACKS CROSS ROAD AND  
WOODS BOULEVARD  
OLIVE BRANCH, MISSISSIPPI

FIGURE 1  
SITE LOCATION PLAN



7201 Opportunity Boulevard  
Huntsville, Alabama 35810  
PH (256)837-6708 FX (256)837-6702

SCALE: NOT TO SCALE

PROJ: 20-1188

DATE: 11/05/2020

# 1 OF 1

## **15.2 Site Photographs**





**Looking East Across Northern Portion of Property**



**Paved Roadway that Traverses Property**





**Looking East Across Southern Portion of Property**



**Looking Southwest Across Northern Portion of Property**





**Looking West Across Southern Portion of Property**



**Drainage Ditch Along Hacks Cross Road**





**Hacks Cross Road**



**Transformer**





**Water Line/Meter**



**Property Across Woods Boulevard to the North**





**Property Across Access Road to the East**



**Waffle House Restaurant on Adjoining Property to the South**



**St Luke Church Across Hacks Cross Road to the West**

**15.3 Historical Research Documentation**  
**15.3.1 Current Deed**

**STEWART TITLE GUARANTY COMPANY  
COMMITMENT**

**SCHEDULE A**

Issuing Agent: 240057

Issuing Office: MS

File Number: 00200-2020146

Revision Number: N/A

Property Address: Olive Branch, MS (For Company Purposes Only)

1. Commitment Date: October 22, 2020 at 8:00 AM

2. Policy to be issued:

(a) 2006 ALTA® Owner's Policy

Proposed Insured Owner: Jack's Family Restaurant LP, a Delaware limited liability company

Proposed Policy Amount: \$695,000.00

(b) 2006 ALTA® Loan Policy

Proposed Insured Lender: TBD

Proposed Policy Amount: TBD

3. The estate or interest in the Land described or referred to in this Commitment is:

FEE SIMPLE

4. Title to the estate or interest in the Land is vested in:

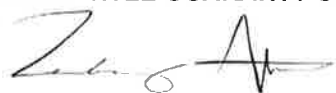
HACKS CROSS DEVELOPMENT, LLC by virtue of a Correction Warranty Deed executed by John Hyneman Development, Inc., dated 03/01/2005 and recorded in Book 494, Page 170 on 03/05/2005, in the Office of the Chancery Clerk DeSoto County, Mississippi; being a correction of Warranty Deed recorded in Book 461, Page 633.

5. The Land is described as follows:

**SEE ATTACHED EXHIBIT "A"**

**STEWART TITLE GUARANTY COMPANY**

By:



Zachary Atwood, State Counsel



## **STEWART TITLE GUARANTY COMPANY COMMITMENT**

### **SCHEDULE B – PART I**

All of the following Requirements must be met:

1. The Proposed Insured must notify the Company in writing of the name of any party not referred to in this Commitment who will obtain an interest in the Land or who will make a loan on the Land. The Company may then make additional Requirements or Exceptions.
2. Pay the agreed amount for the estate or interest to be insured.
3. Pay the premiums, fees, and charges for the Policy to the Company.
4. Documents satisfactory to the Company that convey the Title or create the Mortgage to be insured, or both, must be properly authorized, executed, delivered, and recorded in the Public Records.
5. A final title rundown from the Effective Date hereof to the date and time of recording the Deed and/or Mortgage referred to above.
6. The Company reserves the right to raise any such additional exceptions and/or requirements as it deems necessary upon receipt of the details of the transaction and its review of the closing documents.
7. Show that restrictions or restrictive covenants have not been violated.
8. Furnish proof of payment of all bills for labor and material furnished or to be furnished in connection with improvements erected or to be erected.
9. Provide evidence of proper formation and Good Standing of HACKS CROSS DEVELOPMENT, LLC.
10. Resolution or other evidence of named individual(s) to execute instruments on behalf of HACKS CROSS DEVELOPMENT, LLC.
11. Receipt of a properly executed STG Gap Indemnity Agreement from all owners.
12. Execution by all parties to the transaction at or prior to closing of the Coronavirus Acknowledgment, acknowledging the potential delay in recording due to recording office closures and lack of e-recording in the county.

*Please note - the Coronavirus Acknowledgment doesn't need to be acknowledged and you may accept an emailed version of the text in an email from a representative of an Institutional Lender. Please deliver a copy to the new owner/buyer, lender and seller, if any.*





## **STEWART TITLE GUARANTY COMPANY COMMITMENT**

### **SCHEDULE B – PART II**

**THIS COMMITMENT DOES NOT REPUBLISH ANY COVENANT, CONDITION, RESTRICTION, OR LIMITATION CONTAINED IN ANY DOCUMENT REFERRED TO IN THIS COMMITMENT TO THE EXTENT THAT THE SPECIFIC COVENANT, CONDITION, RESTRICTION, OR LIMITATION VIOLATES STATE OR FEDERAL LAW BASED ON RACE, COLOR, RELIGION, SEX, SEXUAL ORIENTATION, GENDER IDENTITY, HANDICAP, FAMILIAL STATUS, OR NATIONAL ORIGIN.**

**The Policy will not insure against loss or damage resulting from the terms and provisions of any lease or easement identified in Schedule A, and will include the following Exceptions unless cleared to the satisfaction of the Company:**

1. Any defect, lien, encumbrance, adverse claim, or other matter that appears for the first time in the Public Records or is created, attaches, or is disclosed between the Commitment Date and the date on which all of the Schedule B, Part I—Requirements are met.
2. Standard Exceptions:
  - a. Rights or claims of parties in possession not shown by the public records.
  - b. Easements or claims of easements, not shown by the public records.
  - c. Encroachments, overlaps, boundary line disputes, or other matters which would be disclosed by an accurate survey and inspection of the premises.
  - d. Any lien, or right to a lien, for services, labor or material heretofore or hereafter furnished, imposed by law and not shown by the public records.
  - e. Homestead or other marital rights of the spouse, if any, of any individual insured.
  - f. Any titles or rights asserted by anyone including but not limited to persons, corporations, governments or other entities, to tide lands, or lands comprising the shores or bottoms of navigable rivers, lakes, bays, ocean or gulf, or lands beyond the line of the harbor or bulkhead lines as established or changed by the United States Government or water rights, if any.
  - g. Minerals of whatsoever kind, subsurface and surface substances, including but not limited to coal, lignite, oil, gas, uranium, clay, rock, sand and gravel in, on, under and that may be produced from the Land, together with all rights, privileges, and immunities relating thereto, whether or not appearing in the Public Records or listed in Schedule B. The Company makes no representation as to the present ownership of any such interests. There may be leases, grants, exceptions or reservations of interests that are not listed.
  - h. Taxes or special assessments which are not shown as existing liens by the public records.



3. Ad valorem taxes for the year 2020, and subsequent years, which are liens but are not yet due and payable.
4. Rights of way and easements for public roads and utilities.
5. Consequences of the insured's failure to qualify to conduct business in the State of Mississippi with the Mississippi Secretary of State.
6. Perpetual right of way and easement to Mississippi Power & Light Company as evidenced in that certain Right of Way Instrument recorded in Book 25, Page 158.
7. Perpetual right of way and easement to Mississippi Power & Light Company as evidenced in that certain Right of Way Instrument recorded in Book 25, Page 256.
8. Release of Damages as evidenced in that certain Temporary Easement to DeSoto County recorded in Book 80, Page 587.
9. Release of Damages as evidenced in that certain Quit Claim Deed to DeSoto County recorded in Book 89, Page 232.
10. Release of Damages as evidenced in that certain Quit Claim Deed to DeSoto County recorded in Book 89, Page 234.
11. Restrictions as evidenced in that certain Special Warranty Deed recorded in Book 375, Page 628; being re-recorded in Book 397, Page 318 to correct that state of incorporation of the grantee.
12. Terms, conditions and provisions as evidenced in that certain Amendment of Reservation of Easements for Ingress, Egress and Landscaping recorded in Book 483, Page 647.
13. Matters shown on plat of WHISPERING WOODS COMMERCIAL SUBDIVISION recorded in Plat 121, Page 31.
14. Declaration of Easements, Covenants and Restrictions recorded in Book 474, Page 235; as amended in that certain Amended and Restated Declaration of Easements, Covenants and Restrictions recorded in Book 500, Page 205; being re-recorded to reflect changes on first page by that certain Amended and Restated Declaration of Easements, Covenants and Restrictions recorded in Book 501, Page 542.
15. Provisions of that certain Permanent Access Easement Agreement recorded in Book 824, Page 428.
16. Provisions of that certain Permanent Sewer Easement Agreement recorded in Book 827, Page 554.



**STEWART TITLE GUARANTY COMPANY  
COMMITMENT**

**Exhibit "A"**

Lot 4, WHISPERING WOODS COMMERCIAL SUBDIVISION, as shown on plat of record at Book 121, Pages 31-32, Instrument No. 2017 0522 010123430, in the Chancery Court Clerk's Office, DeSoto County, Mississippi.

Southwest Quarter of Section 25, Township 1South, Range 6 West, Olive Branch, DeSoto County, Mississippi.



Prepared by and Return to  
Bridgforth & Buntin  
P. O. Box 241  
Southaven, MS 38671  
601393-4450

BK 0461 PG 0633

STATE MS.-DE SOTO CO. *bc*

Dec 30 12 58 PM '03 *bc*

*461 PG 633*  
DAVIS CH. CLK.

WARRANTY DEED

JOHN HYNEMAN DEVELOPMENT CO., INC.

GRANTOR(S)

TO

HACKS CROSS DEVELOPMENT, LLC

GRANTEE(S)

FOR AND IN CONSIDERATION of the sum of Ten Dollars (\$10.00) cash in hand paid and other good and valuable considerations, the receipt of all of which is hereby acknowledged, JOHN HYNEMAN DEVELOPMENT CO., INC., a Mississippi limited liability company, does hereby sell, convey and warrant unto HACKS CROSS DEVELOPMENT, LLC, a Mississippi limited liability company, the land lying and being situated in the City of Olive Branch, DeSoto County, Mississippi, more particularly described as follows, to-wit:

See attached Exhibit "A"

The warranty in this deed is subject to subdivision and zoning regulations in effect in the City of Olive Branch, Mississippi, and further subject to matters shown on Addendum attached hereto as Exhibit "B".

Taxes for the year 2003 are to be prorated between the parties.

Possession is to be given with delivery of Deed.

WITNESS the signature of the duly authorized officer of said Corporation this 27<sup>th</sup> day of December, 2003.

JOHN HYNEMAN DEVELOPMENT CO., INC.

BY: 

John W. Hyneman, President

BK 0461 PG 0634

STATE OF Mississippi  
COUNTY OF DeSoto

PERSONALLY appeared before me, the undersigned authority in and for the said County and State, on this the 27<sup>th</sup> day of December, 2003, within my jurisdiction, the within named John W. Hyneman, who acknowledged that he is the President of John Hyneman Development Co., Inc., a Mississippi Corporation, and that for and on behalf of the said corporation, and as its act and deed he executed the above and foregoing instrument, after first having been duly authorized by said corporation so to do.

Barbara J. Crenshaw  
Notary Public

My commission expires:  
\_\_\_\_\_

GRANTOR(S) ADDRESS:  
6465 Quail Hollow Road, Suite 102  
Memphis, TN 38120-1448  
(B) 901-271-3640

GRANTEE(S) ADDRESS:  
7700 Wolf River Blvd.  
Brentwood, TN 38138  
901-754-7774



MY COMMISSION EXPIRES:  
November 28, 2004

## EXHIBIT "A"

Tract of land being located in part of the Southwest quarter of the Northwest quarter and also being in part of the Northwest and Southwest quarters of the Southwest quarter of Section 25, Township 1 South, Range 6 West and also being in part of the Southeast quarter of the Southeast quarter of Section 26, Township 1 South, Range 6 West, Olive Branch, DeSoto County, Mississippi and being more particularly described as follows:

Commencing at the northeast corner of Section 26, Township 1 South, Range 6 West, as per legal description on Plat Book 52, Page 49; thence South 00 degrees 00 minutes 00 seconds West for a distance of 1534.76 feet to a point; thence South 00 degrees 00 minutes 00 seconds East for a distance of 22.83 feet to a point (concrete right of way monument found 2.71 feet South of corner), said point being the TRUE POINT OF BEGINNING for the herein described tract; thence North 00 degrees 39 minutes 00 seconds East for a distance of 1,912.30 feet to a 1/2" rebar set; thence South 89 degrees 16 minutes 50 seconds East for a distance of 450.00 feet to a 1/2" iron rod found; thence South 00 degrees 38 minutes 17 seconds West for a distance of 2,395.58 feet to a 1/2" rebar set; thence South 89 degrees 16 minutes 22 seconds East for a distance of 60.00 feet to a 1/2" rebar found; thence South 00 degrees 41 minutes 00 seconds West for a distance of 575.00 feet to a 1/2" iron pipe found; thence South 00 degrees 43 minutes 39 seconds West for a distance of 30.00 feet to a 1/2" rebar set; thence North 89 degrees 16 minutes 21 seconds West for a distance of 477.46 feet to a 1/2" rebar set; thence North 53 degrees 28 minutes 44 seconds West for a distance of 40.65 feet to a 1/2" rebar set; thence North 53 degrees 28 minutes 44 seconds West for a distance of 49.35 feet to a 1/2" rebar set; thence North 53 degrees 28 minutes 44 seconds West for a distance of 49.35 feet to a concrete right of way monument found; thence North 53 degrees 28 minutes 44 seconds West for a distance of 67.26 feet to a point (concrete right of way monument found 2.78 feet South of corner); thence North 05 degrees 06 minutes 15 seconds East for a distance of 71.44 feet to a 1/2" rebar set to a point of curve to the right having a radius of 2,804.79 feet, a chord bearing of North 07 degrees 19 minutes 17 seconds East, a chord distance of 217.01 feet and an arc length of 217.06 feet to a concrete right of way monument found; thence North 09 degrees 32 minutes 18 seconds East for a distance of 154.47 feet to a 1/2" rebar set; thence North 09 degrees 32 minutes 18 seconds East for a distance of 250.48 feet to a 1/2" rebar set; thence South 80 degrees 27 minutes 42 seconds East for a distance of 63.31 feet to a 1/2" rebar set; thence South 89 degrees 19 minutes 00 seconds East for a distance of 156.12 feet to a 1/2" rebar set; thence North 00 degrees 41 minutes 00 seconds East for a distance of 264.34 feet to a 1/2" rebar set; thence North 89 degrees 19 minutes 00 seconds West for a distance of 180.48 feet to a 1/2" rebar set to a point on a non tangent curve to the left, with a radius of 2,924.78 feet, a chord bearing of North 07 degrees 28 minutes 58 seconds East, a chord distance of 25.94 feet, and an arc length of 25.94 feet to a point to the True Point of Beginning, being subject to all codes, regulations and restrictions, rights of way, and easements of record.

## EXHIBIT "B"

1. Easement Agreement granted to System Capital Real Property Corporation appearing of record in Deed Book 400, Page 592, in the office of the Chancery Clerk of DeSoto County, Mississippi, shown as 50' access easement and 30' rear access easement on survey of Russell & Company, Engineers, last dated December 18, 2003.
2. Rights of way and easements granted to Mississippi Power & Light Co. by deeds recorded in Book 25, Page 158 and Book 25, Page 256, in the office of the Chancery Clerk of DeSoto County, Mississippi. Said easements are as shown on survey of Russell & Company, Engineers, last dated December 18, 2003.
3. Restrictions contained in Exhibit "A" to Special Warranty Deed recorded in Deed Book 375, Page 628 and re-recorded in Deed Book 397, Page 318, to correct error contained in original Warranty Deed.
4. Reservation of a non-exclusive easement for ingress and egress and landscaping recorded in Deed Book 375, Page 628, in the office of the Chancery Clerk of DeSoto County, Mississippi and as shown on said survey.
5. 50' building setback lines, 2" gas lines, gas lines, fiber optics, 12" sewer station, fiber optics sign, phone boxes, 24' and 31' existing asphalt, overhead electric lines, power poles, gas meters, water meters, gas valves, light poles and guy wires as are shown on said survey.

NOTE: Survey of Russell & Company shows Old Hacks Cross Road as a 24' existing asphalt road. Said portion of Hacks Cross Road was closed by Order of the Mayor and Board of Aldermen of the City of Olive Branch at its March 20, 2001 meeting of the Mayor and Board of Aldermen for the City of Olive Branch.

Prepared by and Return to:  
Bridgforth & Buntin  
1607 Main St., P. O. Box 241  
Southaven, MS 38671  
(662)393-4450

CORRECTION WARRANTY DEED

JOHN HYNEMAN DEVELOPMENT CO., INC.

GRANTOR(S)

TO

HACKS CROSS DEVELOPMENT, LLC

GRANTEE(S)

WHEREAS, by Warranty Deed dated December 27, 2003, recorded in Warranty Deed Book 461, Page 633, in the office of the Chancery Clerk of DeSoto County, Mississippi, John Hyneman Development Co., Inc. conveyed the property described therein to Hacks Cross Development, LLC; and

WHEREAS, an error was contained in the legal description on the exhibit attached to the aforesaid deed as Exhibit "A"; and

WHEREAS, it is the express intent and purpose of this instrument to correct the error and to correctly describe the parcel conveyed by the original Warranty Deed.

NOW, THEREFORE, for and in consideration of the sum of Ten Dollars (\$10.00), cash in hand paid and other good and valuable considerations, including the same considerations contained in the original Warranty Deed, John Hyneman Development Co., Inc., a Mississippi corporation, does hereby sell, convey and warrant unto Hacks Cross Development, LLC, a Mississippi limited liability company, the land lying and being situated in the City of Olive Branch, DeSoto County, Mississippi, more particularly described as follows, to-wit:

A legal description of a 32.38 acres, more or less, tract of land being located in part of the Southwest quarter of the Northwest quarter and also being in part of the Northwest and Southwest quarters of the Southwest quarter of Section 25, Township 1 South, Range 6 West and also being in part of the Southeast quarter of the Southeast quarter of Section 26, Township 1 South, Range 6 West, Olive Branch, DeSoto County, Mississippi and being more particularly described as follows:

Commencing at the Northeast corner of the Southeast Quarter of Section 26, Township 1 South, Range 6 West, as per legal description on Plat Book 52, Page 49; thence South 00 degrees 00 minutes 00 seconds West for a distance of 1534.76 feet to a point; thence South 00 degrees 00 minutes 00 seconds East for a distance of 22.83 feet to a point (concrete right of way monument found 2.71

B & H



feet South of corner), said point being the TRUE POINT OF BEGINNING for the herein described tract; thence North 00 degrees 39 minutes 00 seconds East for a distance of 1,912.30 feet to a 1/2" rebar set; thence South 89 degrees 16 minutes 50 seconds East for a distance of 450.00 feet to a 1/2" iron rod found; thence South 00 degrees 38 minutes 17 seconds West for a distance of 2,395.58 feet to a 1/2" rebar set; thence South 89 degrees 16 minutes 22 seconds East for a distance of 60.00 feet to a 1/2" rebar found; thence South 00 degrees 41 minutes 00 seconds West for a distance of 575.00 feet to a 1/2" iron pipe found; thence South 00 degrees 43 minutes 39 seconds West for a distance of 30.00 feet to a 1/2" rebar set; thence North 89 degrees 16 minutes 21 seconds West for a distance of 477.46 feet to a 1/2" rebar set; thence North 53 degrees 28 minutes 44 seconds West for a distance of 40.65 feet to a 1/2" rebar set; thence North 53 degrees 28 minutes 44 seconds West for a distance of 49.35 feet to a 1/2" rebar set; thence North 53 degrees 28 minutes 44 seconds West for a distance of 49.35 feet to a concrete right of way monument found; thence North 53 degrees 28 minutes 44 seconds West for a distance of 67.26 feet to a point (concrete right of way monument found 2.78 feet South of corner); thence North 05 degrees 06 minutes 15 seconds East for a distance of 71.44 feet to a 1/2" rebar set to a point of curve to the right having a radius of 2,804.79 feet, a chord bearing of North 07 degrees 19 minutes 17 seconds East, a chord distance of 217.01 feet and an arc length of 217.06 feet to a concrete right of way monument found; thence North 09 degrees 32 minutes 18 seconds East for a distance of 154.47 feet to a 1/2" rebar set; thence North 09 degrees 32 minutes 18 seconds East for a distance of 250.48 feet to a 1/2" rebar set; thence South 80 degrees 27 minutes 42 seconds East for a distance of 63.31 feet to a 1/2" rebar set; thence South 89 degrees 19 minutes 00 seconds East for a distance of 156.12 feet to a 1/2" rebar set; thence North 00 degrees 41 minutes 00 seconds East for a distance of 264.34 feet to a 1/2" rebar set; thence North 89 degrees 19 minutes 00 seconds West for a distance of 180.48 feet to a 1/2" rebar set to a point on a non tangent curve to the left, with a radius of 2,924.78 feet, a chord bearing of North 07 degrees 28 minutes 58 seconds East, a chord distance of 25.94 feet, and an arc length of 25.94 feet to a point to the True Point of Beginning and containing 1,410,519 square feet or 32.38 acres, more or less, being subject to all codes, regulations and restrictions, rights of way, and easements of record.

The Warranty in this deed is subject to subdivision and zoning regulations in effect in the City of Olive Branch, Mississippi and further subject to matters shown on the addendum attached hereto as Exhibit "B".

Hacks Cross Development, LLC, Grantee herein in the original Warranty Deed joins in for the express purpose of acknowledging and consenting to this Correction Warranty Deed.

WITNESS OUR SIGNATURES this the 18 day of March, 2005.

JOHN HYNEMAN DEVELOPMENT CO., INC.

By: John W. Hyneman, President

HACKS CROSS DEVELOPMENT, LLC

By: M. Spence RaySTATE OF Tennessee  
COUNTY OF Shelby

PERSONALLY appeared before me, the undersigned authority in and for the said county and state, on this the 1<sup>st</sup> day of March, 2005, within my jurisdiction, the within named John W. Hyneman, who acknowledged that he is the President of Hyneman Development Co., Inc., a Mississippi corporation, and that for and on behalf of the said corporation, and as its act and deed he executed the above and foregoing instrument, after first having been duly authorized by said corporation so to do.



Notary Public

MY COMMISSION EXPIRES:  
July 20, 2008

(Seal)

STATE OF TENNESSEE  
COUNTY OF SHELBY

PERSONALLY appeared before me, the undersigned authority in and for the said county and state on this 4<sup>th</sup> day of March, 2005, within my jurisdiction, the within named M. Spence Ray, who acknowledged that HE is the Manager of Hacks Cross Development, LLC, a Mississippi limited liability company, and that in said representative capacity HE executed the above and foregoing instrument, after first having been duly authorized so to do.



Notary Public

(Seal)

MY COMMISSION EXPIRES FEBRUARY 6, 2006

H:\Barbara\03\Correction WD Hyneman Development - Hacks Cross Development.doc

Grantor's Address:

6465 Quail Hollow Road, Suite 102  
Memphis, TN 38120-1448  
Bus: 901-271-3640

Grantee's Address:

7700 Wolf River Blvd.  
Germantown, TN 38138  
Bus: 901-754-7774

Prepared by and return to:  
Richard C. Raines, Esq.  
Wyatt, Tarrant & Combs, LLP  
1715 Aaron Brenner Dr., Suite 800  
Memphis, Tennessee 38120  
(901) 537-1020

BK 0483 PG 0647

STATE MS.-DESO TO CLK. <sup>SS</sup>

OCT 7 8 49 AM '04

CR 483 PG 647  
FELCOR HOTEL ASSET  
CH. CLK.

**AMENDMENT OF RESERVATION  
OF  
EASEMENTS FOR INGRESS, EGRESS AND LANDSCAPING**

THIS AMENDMENT OF RESERVATION OF EASEMENTS FOR INGRESS, EGRESS AND LANDSCAPING (together with exhibits, schedules and attachments, collectively, "Amendment") made and entered into this 27<sup>th</sup> day of September 2004 by and between FELCOR HOTEL ASSET COMPANY, LLC, a Delaware limited liability company ("Felcor"); and HACKS CROSS DEVELOPMENT, LLC, a Mississippi limited liability company ("Hacks Cross").

**WITNESSETH:**

WHEREAS, pursuant to that certain Special Warranty Deed, dated June 29, 2000, recorded in the Chancery Court Clerk's Office of Desoto County, Mississippi, in Book 0375, Page 0628, re-recorded in Book 0397, Page 0318 (collectively, the "Hyneman Deed"), Felcor conveyed the real property therein described to John Hyneman Development Co., Inc. ("Hyneman"), reserving unto Felcor certain non-exclusive easements for ingress, egress and landscaping as set forth on Tracts II, III, IV and V in the Hyneman Deed;

WHEREAS, Hacks Cross is the successor in interest to Hyneman, having purchased the real property, subject to the aforesaid easements, from Hyneman as described in that certain Warranty Deed, dated December 23, 2003, and recorded in said Chancery Court Clerk's Office in Book 0461, Page 0633 (the "Hacks Deed"); and

WHEREAS, in order to facilitate an orderly development of the real property described in the Hyneman Deed and Hacks Deed, Felcor and Hacks Cross desire to amend the reservation of easements for ingress, egress and landscaping as set forth in the Hyneman Deed and Hacks desires to grant to Felcor, and its successors and assigns, non-exclusive easements for ingress and egress as set forth hereinafter.

NOW, THEREFORE, in consideration of the premises and other good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, the parties hereto agree as follows:

1. Felcor and Hacks agree that the easements as to Tracts II, III, IV and V reserved in the Hyneman Deed and the Hacks Deed, shall be and are hereby released, discharged and abandoned, so that Felcor, and its successors, assigns, mortgagees, licensees, tenants and others claiming by, through or under Felcor, shall have no rights, privileges or duties in respect of the reservations contained in either the Hyneman Deed or the Hacks Deed.

2. Subject to the terms, conditions and provisions contained herein, Hacks grants to Felcor and its successors, assigns, mortgagees, licensees, tenants and others claiming by, through or under Felcor, a non-exclusive easement for ingress and egress over, across and upon the real property described on Exhibit "A" annexed hereto and incorporated herein by this reference ("New Easement Property").

3. The non-exclusive easement for ingress and egress over the New Easement Property shall be subject to the following terms, conditions and provisions:

a. Felcor shall use the New Easement Property for for ingress and egress;;

b. Except as otherwise expressly provided in this Amendment, Hacks Cross shall be entitled to alter or expand the New Easement Property located on its real property so long as (1) such alteration is in compliance with the terms and conditions of this Amendment, and (2) Hacks Cross shall not close or prevent ingress and egress access across its real property from Hacks Cross Road on the West to the Felcor real property on the East. In the event any alteration, reconstruction, relocation or expansion of the New Easement Property requires the alteration, reconstruction, relocation or expansion of any adjoining drives on the Felcor real property, such alteration, reconstruction, relocation or expansion of such adjoining drives shall be for the account of Hacks Cross and subject to the reasonable control and direction of Felcor.

c. No prescriptive easement, right or interest to the public shall be created by this Amendment in either the Hacks Cross real property or the Felcor real property.

The foregoing easements shall be co-extensive with such rights, licenses and easements granted to successors, assigns, mortgagees, licensees, tenants and others claiming by, through or under Hacks Cross.

Hacks Cross shall construct and maintain the New Easement Property, including traffic signaling devices at the intersection of the New Easement Property and Hacks Cross Road, in accordance with applicable local, state and federal laws, regulations and ordinances. Following mutual execution and recordation of this Amendment, Hacks Cross shall commence construction promptly and, after such commencement, shall proceed with due diligence in the construction thereof, subject to matters beyond its reasonable control. During the course of construction of the New Easement Property, Felcor shall have paved access to its properties across the existing access road. Hacks Cross shall be responsible for the maintenance of the New Easement Property.

4. Except as specifically set forth in this Amendment, the easements and other provisions contained herein binding and benefiting the parties hereto shall be deemed to be perpetual and shall be construed to run with the land described on Exhibit "A" annexed hereto.

5. Except as otherwise expressly provided in this Amendment, the easements and other obligations provided herein shall be unaffected by any change in the ownership of any real property burdened or benefited by this Amendment or by any change of use, demolition, reconstruction, expansion or other circumstances, except as specified herein. Each of the rights created hereunder may be enforceable in a court of equity by the owner of any property covered by this Amendment and by any mortgagee of said property; however, enforcement hereunder shall be sought solely against the then owner of the real property.


BK0483PG0650

6. This Amendment may be executed in one or more counterparts, each of which shall be deemed an original and all such counterparts shall constitute one and the same instrument.


IN WITNESS WHEREOF, the parties have made, executed and delivered this Amendment as of and on the day and year first above written.

FELCOR HOTEL ASSET COMPANY, LLC HACKS CROSS DEVELOPMENT, LLC

By:

  
Joel M. Rasmussen, VP

By:

  
M. Spence Ray  
Authorized Manager

STATE OF Texas  
COUNTY OF Dallas

Personally appeared before me, the undersigned authority in and for the said county and state, on this 27<sup>th</sup> day of September, 2004, within my jurisdiction, the within named Joel M. Eastman, who acknowledged that he/she is Vice President of FELCOR HOTEL ASSET COMPANY, LLC, a Delaware limited liability company, and that for and on behalf of the said company, and as its act and deed he/she executed the above and foregoing instrument, after first having been duly authorized by said company so to do.

Melanie Walton Roberts  
Notary Public

My commission expires:

3-26-05



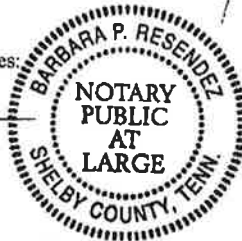
STATE OF TENNESSEE  
COUNTY OF SHELBY

Personally appeared before me, the undersigned authority in and for the said county and state, on this 23 day of June, 2004, within my jurisdiction, the within named M. SPENCE RAY, who acknowledged that he is the Authorized Manager of HACKS CROSS DEVELOPMENT, LLC, a Mississippi limited liability company, and that for and on behalf of the said company, and as its act and deed he executed the above and foregoing instrument, after first having been duly authorized by said company so to do.

Barbara P. Resendez  
Notary Public

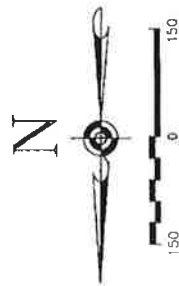
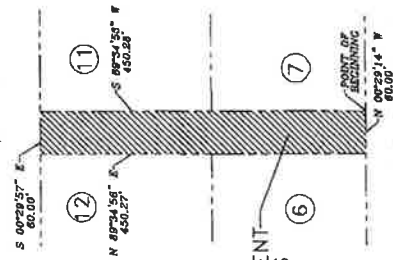
My commission expires:

12-7-04



486830.1

My Comm. Exp. December 7, 2004

WHISPERING WOOD CONVENTION  
CENTER/GOLF COURSEACCESS EASEMENT  
±0.62 ACRES

HACKS CROSS ROAD

0.62 ACRE ACCESS EASEMENT BEGINNING AT THE SOUTHWEST CORNER OF THIS EASEMENT, ALSO BEING THE NORTHWEST CORNER OF THE PROPOSED LOT 7 OF THE CROSSING COMMERCIAL SUBDIVISION, THENCE IN A NORTHEASTERLY DIRECTION ALONG THE EAST RIGHT-OF-WAY LINE OF HACKS CROSS ROAD, THENCE IN A NORTHEASTERLY DIRECTION ALONG AN EXTENSION OF THE EAST RIGHT-OF-WAY LINE OF LOT 12 AND THIS EASEMENT, ALSO BEING SAID EAST RIGHT-OF-WAY LINE, TO THE SOUTHWEST CORNER OF LOT 12 AND THE SOUTHWEST CORNER OF THIS EASEMENT, ALSO BEING AN EXTENSION OF THE NORTH LINE OF LOT 12 AND THIS EASEMENT, ALSO BEING THE SOUTH LINE OF LOT 12 AND THIS EASEMENT, ALSO BEING THE WEST LINE OF LOT 12 AND THE WEST LINE OF THE WHISPERING WOOD CONVENTION CENTER/GOLF COURSE PROPERTY; THENCE IN A SOUTHEASTERLY DIRECTION ALONG THE EAST LINE OF LOT 12 AND THIS EASEMENT, ALSO BEING THE EAST LINE OF LOT 12 AND THIS EASEMENT, ALSO BEING THE SOUTHWEST CORNER OF LOT 12 AND THIS EASEMENT, ALSO BEING THE SOUTHWEST CORNER OF LOT 11; THENCE IN A SOUTHWESTERLY DIRECTION ALONG THE SOUTH LINE OF LOT 12 AND THIS EASEMENT, ALSO BEING THE NORTH LINE OF LOT 11 AND LOT 7; S 00° 56' 25" E 60.00' TO THE POINT OF BEGINNING AND CONTAINING 0.62 ACRES, MORE OR LESS.



Prepared by and return to:  
Richard C. Raines, Esq.  
Wyatt, Tarrant & Combs, LLP  
1715 Aaron Brenner Drive, Ste. 800  
Memphis, Tennessee 38120  
(901) 537-1000

This Instrument is being  
re-recorded to reflect the  
changes on this first page.

5/24/05 10:43:01 SS  
BK 500 PG 205 - -  
DESOTO COUNTY, MS  
W.E. DAVIS, CH CLERK

6/08/05 10:54:27 SS  
BK 501 PG 542 - -  
DESOTO COUNTY, MS  
W.E. DAVIS, CH CLERK

**AMENDED AND RESTATED DECLARATION OF  
EASEMENTS, COVENANTS AND RESTRICTIONS**

THIS AMENDED AND RESTATED DECLARATION OF EASEMENTS,  
COVENANTS AND RESTRICTIONS, is made and entered into as of the 13th day of May,  
2005, by HACKS CROSS DEVELOPMENT, LLC, a Mississippi limited liability company  
whose address for notice purposes is 7700 Wolf River Parkway, Germantown, Tennessee 38138,  
Attn: Spence Ray ("Declarant") and amends and restates that certain Declaration of Easements,  
Covenants and Restrictions filed and recorded the office of the Clerk of the Chancery Court of  
DeSoto County, Mississippi, in Book 474, Page 235 (u).

WITNESSETH:

A. The Declarant is the owner of certain real estate described in Exhibit "A" attached  
hereto and made a part hereof ("Properties");

B. The Properties are intended to be developed and used for commercial purposes;

C. The Declarant filed and recorded the office of the Clerk of the Chancery Court of  
DeSoto County, Mississippi, in Book 474, Page 235 (u), that certain Declaration of Easements,  
Covenants and Restrictions; and

D. Due to regulatory requirements regarding development of the Properties,  
including on-site storm water detention and recorded plats for each parcel sold, leased or  
developed by Declarant or others, the Declarant desires to make this Amended and Restated

19

Declaration in order to better facilitate the integrated development, use and operation of the Properties.

NOW, THEREFORE, in consideration of Ten Dollars (\$10.00) and other good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, the Declarant does hereby declare the Properties to be benefitted by, and burdened with, the following easements, covenants, servitudes and restrictions:

ARTICLE 1.  
DEFINITIONS

Section 1. "Declarant" shall mean Hacks Cross Development, LLC, a Mississippi limited liability company, and its successors and assigns.

Section 2. "Detention Area" shall mean that certain storm water detention area depicted on that certain plat of record the office of the Clerk of the Chancery Court of DeSoto County, Mississippi, in Book 91, Page 45.

Section 3. "Easement Area" shall mean the shaded areas shown on Exhibit "B" attached hereto and made a part hereof. The reference to lot numbers indicated on Exhibit "B" is illustrative only and may not be reflective of actual lot numbers developed or to be developed on the Properties.

Section 4. "Grantee" shall mean any and all owners of any parcel or lot within the Properties and their respective owners, tenants, invitees, customers and others claiming by, through or under them.

ARTICLE 2.  
INGRESS/EGRESS/DETENTION EASEMENTS

Section 1. Use of Easement Area. Except as otherwise expressly provided herein Declarant hereby grants and establishes non-exclusive easements for ingress and egress over the Easement Area for the use and benefit of each Grantee as follows:

- (a) the passage of passenger and commercial delivery vehicles; and
- (b) the passage of pedestrians.

The Easement Area shall not, at any time, be used for parking of vehicles for any reason.

PROVIDED, HOWEVER, that the foregoing non-exclusive easements for ingress and egress shall be subject to the following condition that no prescriptive easement, right or interest to the public shall be created by this Declaration in any part of the Properties or the Easement Area. The easements, rights and interests of a Grantee over the Easement Area shall be limited to the express provisions contained in this Declaration. Declarant shall be entitled to close the Easement Area for such reasonable times as may be legally necessary to prevent the creation of prescriptive or similar rights over the Easement Area or to repair, replace or to reconstruct the Easement Area; provided that prior to any temporary closure of the Easement Area or any curbcut, the Declarant shall give notice to the Grantee of its intention to effect such closure.

Declarant retains the right and privilege to direct construction vehicles to use certain parts of or not use at all the Easement Area.

Section 2. Easement for Utility Facilities. Declarant reserves in the Easement Area a non-exclusive easement for the benefit of the Properties for the installation, use, operation, maintenance, repair, replacement, relocation and removal of common utility facilities and separate utility facilities serving a Grantee's parcel. All separate utility facilities installed in the Easement Area, whether installed under this Section or otherwise, and all common utility

facilities; shall be underground and the location of the separate utility facilities shall be subject to the prior written approval of the Declarant. The Declarant, and any successors or assigns of Declarant, may use the utility facilities installed pursuant to this easement.

Section 3. Easements to Public Utilities. Any grant or other conveyance of an easement to a public utility by any Grantee shall, without necessity of further recital in the conveyancing instrument, be deemed to include the following conditions, covenants and restrictions to which such public utility and its successors shall be bound unless approved in writing by Declarant and specifically stated otherwise in such instrument :

(a) All utility facilities installed pursuant to the easement shall be underground, except for manhole and manhole covers which shall be flush with adjacent grade; and

(b) No public or private utility use or installation shall unreasonably interfere with other installations or easements in the Properties.

Section 4. Use of Detention Area. Declarant hereby grants and establishes non-exclusive easements for storm water detention in the Detention Area and any other similar storm water detention area now or hereafter comprising a part of the Properties for the use and benefit of each Grantee. Any Grantee desiring to use the Detention Area or any similar storm water detention area comprising a part of the Properties shall submit usage plans and specifications to Declarant. No Grantee shall use the Detention Area or any similar storm water detention area comprising a part of the Properties without the prior approval of Declarant, such approval to not unreasonably withheld, conditioned or delayed.

Section 5.     Liens. No Grantee shall permit any claim, lien or encumbrance arising from the use by such Grantee of the Easement Area or the Detention Area to attach to the Easement Area, the Detention Area or any interest therein and such Grantee shall promptly discharge such claim, lien or encumbrance to the reasonable satisfaction of Declarant. Notwithstanding anything contained herein to the contrary, no Grantee shall be deemed to be an agent or representative of Declarant in connection with such Grantee's use and exercise of any easement contained herein.

ARTICLE 3.  
REPAIR AND MAINTENANCE

Section 1.     Repairs of Easement Area. The Declarant shall control the maintenance, repair and replacement of the Easement Area and the Detention Area. All costs incurred by the Declarant in the repair, maintenance and replacement of the Easement Area and the Detention Area shall be prorated among the Grantees based on a fraction, the numerator of which shall be the square footage of a Grantee's parcel and the denominator of which shall be the aggregate square footage of all of the Properties (excluding the Easement Area). At Declarant's election, either annually or after completion of any repair, maintenance or replacement of any part of the Easement Area and the Detention Area, the Declarant shall furnish to the Grantees, a detailed billing, with reasonable backup documentation, confirming the cost of the repair, maintenance or replacement work and each Grantee's share of the cost. Each Grantee shall pay the Declarant for its share of said cost within fourteen (14) days after receipt of such billing. In the event that Grantee does not pay its share of such cost within said fourteen (14) day period, then the Declarant shall be entitled to (i) file a lien in the amount of such cost, and execute said lien against the Grantee's parcel the applicable prorated cost, together with interest calculated at the highest rate permitted in the State of Mississippi and fees and expenses of collection (including

attorney fees), and (ii) exercise all rights and remedies of law or in equity against the Grantee, all of which rights and remedies contained in clauses (i) and (ii) shall be cumulative; provided, however, such liens, rights and remedies shall be subject and subordinate to the lien and interests of any security documents filed against a Grantee in favor of a Mortgagee (as defined hereinafter).

Section 2. Easement Area Maintenance Expenses. The Declarant shall use reasonable efforts to construct, maintain and repair the Easement Area in accordance with applicable local, state and federal laws and in a manner consistent with other commercial developments of similar size in the Hacks Cross Road and Goodman Road corridor and shall include, without limitation:

- (a) maintenance and replacement of paved surfaces;
- (b) maintenance of appropriate parking area entrance, exit, directional signs and other traffic control signs as are reasonably required to affect the traffic flow and parking; and
- (c) restriping as required to keep same clearly visible.

Section 3. Detention Area Maintenance Expenses. The Declarant shall use reasonable efforts to construct, maintain and repair the Detention Area in accordance with applicable local, state and federal laws and in a manner consistent with other commercial developments of similar size in the Hacks Cross Road and Goodman Road corridor.

Section 4. Liabilities of Easement Area and Detention Area. Neither the Declarant, nor any officer, director, member, employee or agent of Declarant shall have any liability to any

Grantee for any claims, demands, costs, losses, expenses, actions, causes of actions or otherwise regarding the use and or condition of the Easement Area or the Detention Area.

ARTICLE 4.  
ARCHITECTURAL CONTROL

Section 1. Restrictions on the Properties. For a period of ninety-nine (99) years from the date of recording of this Declaration, the following restrictions shall be applicable to the entire Properties and each Grantee thereof (except as set forth otherwise in Section 2 hereof):

(a) The Properties may be used for the operation of any commercial use approved in advance by the Declarant. No part of the Properties shall be used for any purpose other than those specifically approved in advance by the Declarant.

(b) No Grantee shall change, alter or modify any improvements to the Grantee's parcel without the prior written approval of Declarant, which approval shall not be unreasonably withheld. Each Grantee shall maintain, repair, and replace any improvements on a Grantee's parcel as originally approved by Declarant. This Section shall not restrict, however, a Grantee's right to change, alter or modify the interior of any improvements approved by Declarant.

(c) Each Grantee shall submit to Declarant for Declarant's review and approval a complete set of proposed plans and specifications for Grantee's intended development and improvement of a Grantee parcel. Declarant shall not be required to review or approve any plans and specifications until such time as a signed, sealed, full and comprehensive set of plans and specification has been submitted illustrating in detail all aspects of Grantee's proposed development and improvement including, but not limited to, the following: site plan, utility plan,



grading plan, building plan, building elevations, electrical, mechanical, lighting, landscaping, plumbing, building and roof materials specifications with samples showing color and texture, screening, dumpster, signage, doors, windows, roof elevations, service entry locations for suppliers, site irrigation, light pole fixtures. Declarant shall have reasonable discretion to approve or reject any provision of Grantee's plans. In the event Grantee's plans are approved in writing by Declarant, three (3) complete sets will be provided to Declarant for signature and one (1) of those sets will be returned to Grantee bearing Declarant's written approval. Declarant, if Declarant so elects, shall have one set of approved plans and specifications recorded (at such Grantee's cost) as an instrument outlining the approvals made for the development and improvement of a Grantee's parcel.

(d) No Grantee shall construct, install, maintain or erect any building, canopy, tent or structure within a forty (40) foot front setback area along Hacks Cross Road. Further, no Grantee shall place any improvement (other than approved signage and landscape) in the setback area which would obscure, obstruct, limit or hinder visibility to the remainder of the Properties. Without limiting the foregoing, this restriction shall be deemed to include flea markets, Christmas trees, plants, pumpkins or other similar or dissimilar seasonal sales.

(e) Subject to the prior written approval by the Declarant, no outside sales or promotions of any kind shall be allowed on the Properties, including, but not limited to, flea markets, Christmas trees, plants, pumpkins, or other similar or dissimilar seasonal sales. Additionally, no vending machines, ATMs, public telephones, newspaper, circular and other machines or racks shall be allowed on exteriors of any improvements on the Properties.

(f) Subject to the prior written approval by the Declarant, no machinery, speakers or equipment that generates excessive noise or nuisance shall be installed on the exteriors of any improvements on the Properties.

(g) Subject to the prior written approval by the Declarant and other than approved signage, no signs, flags, trailers, inflatable advertising media, banners, or other materials shall be erected, placed, permitted or installed upon the Properties.

(h) Each Grantee acknowledges that the appearance of the Properties is of the utmost importance to Declarant and to each and every Grantee. During construction, development and operation of a Grantee's parcel, no Grantee shall block, limit or restrict any entrances or driveways leading to or from any parcels within the Properties. Additionally, each Grantee's parcel shall be kept in a neat, clean and orderly condition. Each Grantee covenants and agrees to keep the landscaping and trees as outlined on the Declarant approved landscape plan (to be obtained as detailed in subsection 3(c) above) in good condition with an operating irrigation system.

#### ARTICLE 5. DAMAGE/CONDEMNATION

Section 1. Easement Area and Detention Area Damage. In the event any part of the Easement Area or the Detention Area is destroyed or damaged by fire, casualty or other commonly insured peril, the Declarant shall promptly clear and restore such area to its condition as existing immediately prior to such destruction or damage to the extent reasonably practicable and insurance proceeds have been made available for such restoration. All proceeds from insurance paid or payable to the Declarant in respect of Easement Area or the Detention Area

shall be held in trust for the benefit of all Grantees and shall be used in the restoration of the affected Easement Area or Detention Area.

Section 2. Easement Area and Detention Area Condemnation. In the event that any part of the Easement Area or the Detention Area is condemned or taken by an eminent domain proceeding, the Declarant shall use reasonable efforts to restore such area as much as practicable to provide similar access and use as existed prior to the date of such condemnation, to the extent of condemnation proceeds it has received from the condemning authority. Any award on account of a condemnation of any portion of the Easement Area or Detention Area shall be first used in the restoration of the affected portion of the Easement Area or Detention Area and any remaining proceeds after the full payment of such restoration shall be allocated to the Declarant. In furtherance of the immediately preceding sentence, each Grantee expressly waives the right to receive any portion of condemnation proceeds used in the restoration of the Easement Area and agrees, at Declarant's request, to execute any documentation or filing as further evidence of such waiver.

ARTICLE 6.  
MISCELLANEOUS

Section 1. Estoppel Certificates. Each Grantee shall, upon not less than twenty (20) days from receipt of written notice from the Declarant, execute and deliver to the Declarant a certificate in recordable form stating that (i) this Declaration is unmodified and in full force and effect or is modified (and stating the modification); and (ii) whether or not to the current, actual knowledge of such Grantee the Declarant is in default in any respect under this Declaration and if in default, specifying such default.

Section 2. Perpetuity of Declaration. Except as specifically set forth in this Declaration, the easements, covenants, restrictions and other provisions contained herein binding and benefiting the Grantees shall be deemed to be perpetual and shall be construed to run with the land described on Exhibits hereto.

Section 3. Modification. Declarant retains the right and privilege, without joinder by any other owner of any part of the Properties, to make curative modifications and amendments to this Declarant to carry out the intents and purposes hereof; provided, however, neither Declarant nor any owner of any parcel of the Properties shall have any right or privilege to make any substantive modifications or amendment to this Declarant without joinder therein by Declarant and a majority of all owners of any parcel comprising the Properties (one vote per parcel). All modifications and amendments shall be duly recorded after execution thereof in accordance with this Section.

Section 4. Notices. Any notice required or permitted to be given under this Declaration shall be in writing and shall be deemed to have been given upon deposit in the United States Mail as Certified Mail, Return Receipt Requested, postage prepaid, or by overnight mail through a nationally recognized courier, at the address designated by the Grantees.

Section 5. Term and Enforcement. Except as otherwise expressly provided in this Declaration, the easements, covenants, restrictions and other obligations provided herein shall be unaffected by any change in the ownership of any part of the Properties or by any change of use, demolition, reconstruction, expansion or other circumstances, except as specified herein. Each of the rights created hereunder may be enforceable in a court of equity by the Grantees and by

any Mortgagee of the Properties; however, enforcement hereunder shall be sought solely against the then owner of such part of the Properties.

Section 6. Severability. In the event any provision or portion of this Declaration is held by any court of competent jurisdiction to be invalid or unenforceable, such holding will not effect the remainder hereof, and the remaining provisions shall continue in full force and effect to the same extent as would have been the case had such invalid or unenforceable provision or portion never been a part hereof. No amendments to this Declaration shall be effective unless executed by all owners of any part of the Properties and recorded.

Section 7. No Joint Venture. This Declaration shall not create an association, partnership, limited liability company, joint venture or a principal and agency relationship between or among the owners of the Properties or their mortgagees or lessees.

Section 8. Waiver and Enforcement. No waiver of any easement, covenant or other provision contained herein shall be deemed to imply or constitute a further waiver of the same or any other provision set forth herein. The enforcement of the terms, conditions and provisions of this Declarant shall be in the discretion of the Declarant, without liability to any Grantee as to enforcement or not; provided, however, nothing herein contained shall be deemed to limit, restrict or hinder any Grantees' enforcement hereof.

Section 9. Time of the Essence. Time is of the essence in the performance of any covenant, obligation or other undertaking by an owner of any part of the Properties under this Declaration and in the furnishing of any notice required or provided herein.



Section 10. Cumulative Rights. The rights and remedies of the Grantees and Declarant shall be cumulative, not exclusive, and shall include injunctive relief, provided, however, that the breach by any owner of its obligations contained in this Declaration shall not affect its ability to enforce the rights, easements and other interests granted to it under this Declaration.

Section 11. Counterparts. This Declaration may be executed in one or more counterparts, each of which shall be deemed an original and all such counterparts shall constitute one and the same instrument.

Section 12. Mortgagees. The easements, rights and interest of an owner of any part of the Properties may be collaterally assigned or transferred to the holder ("Mortgagee") of any deed of trust, mortgage or other security document filed against an owner's parcel, leasehold interest or other interest therein, which Mortgagee shall be entitled to fully enforce the easements, covenants, restrictions and other provisions of this Declaration as though it were an owner. In the event that a Mortgagee acquires a Grantee's parcel or leasehold or other interest therein, then the Mortgagee shall have no any liability under this Declaration for events occurring prior to such acquisition and such liability shall be non-recourse as to such Mortgagee. This exculpation shall be limited solely to the Mortgagee and shall not extend to its successors in title of the subject parcel or leasehold or other interests therein.

Section 13. Default. In the event any Grantee breaches or otherwise defaults under the provisions of this Declaration, any non-defaulting Grantee, shall be entitled to cure the default in addition to all rights and remedies at law or in equity after furnishing the defaulting Grantee notice of the default and an opportunity to cure within thirty (30) days after written notice

thereof; provided that such cure period shall not be applicable in the case of a default creating an emergency situation, and further provided that if the nature of the default cannot be cured within said thirty (30) day period then the defaulting Grantee shall have a reasonable time period not to exceed ninety (90) days after the expiration of initial thirty (30) day period, within which to cure the default so long as it commences to cure the default within said initial thirty (30) day period and thereafter diligently prosecutes the curing thereof. Any expense incurred by the non-defaulting Grantee in the curing of the default or breach of this Declaration by another Grantee, or otherwise due to the non-defaulting Grantee as a result of another Grantee's default, shall bear interest at the highest rate of interest lawfully permitted in the State of Mississippi and may be secured by a lien unilaterally executed by the non-defaulting Grantee against the defaulting Grantee's parcel. Prior to a non-defaulting Grantee commencing to cure a breach or default by another Grantee, it shall furnish notice of its intention to cure such breach or default to all other non-defaulting Grantees. Any such lien in favor of a non-defaulting Grantee shall be subject and subordinate to the lien and interests of any security documents filed against a parcel in favor of a Mortgagee.

Section 14. Independent Provisions. Notwithstanding anything contained herein to the contrary, the failure or breach by any Grantee of the covenants or other of its obligations hereunder shall not affect or impair the easements or rights granted to such Grantee under this Declaration.

Section 15. BancorpSouth Bank. Notwithstanding any term, condition, provision, obligation or otherwise contained herein, BancorpSouth Bank and its successors and assigns, as owner of Lot 2, Whispering Woods Commercial Subdivision, shall not be required to comply with Article 3 or Article 4 of this Declaration.

IN WITNESS WHEREOF, the Declarant has executed and delivered this Amended and Restated Declaration of Easements, Covenants and Restrictions as of the day and year first written above.

# HACKS CROSS DEVELOPMENT, LLC

By: *M SR*  
M. Spence Ray, Authorized Manager

STATE OF TENNESSEE  
COUNTY OF SHELBY

Personally appeared before me, the undersigned authority in and for the said county and state, on this 13<sup>th</sup> day of May, 2005, within my jurisdiction, the within named M. SPENCE RAY, who acknowledged that he is the Authorized Manager of HACKS CROSS DEVELOPMENT, LLC, a Mississippi limited liability company, and that for and on behalf of the said company, and as its act and deed he executed the above and foregoing instrument, after first having been duly authorized by said company so to do.

*Sandra K. Nichols*  
Notary Public

My commission expires:

\_\_\_\_\_

Recording Expense \$ 16.00

511254.1



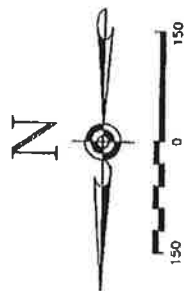
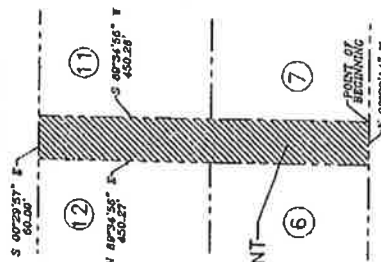
MY COMMISSION EXPIRES AUGUST 2, 2006

EXHIBIT "A"

A legal description of a 32.38 acres, more or less, tract of land being located in part of the Southwest quarter of the Northwest quarter and also being in part of the Northwest and Southwest quarters of the Southwest quarter of Section 25, Township 1 South, Range 6 West and also being in part of the Southeast quarter of the Southeast quarter of Section 26, Township 1 South, Range 6 West, Olive Branch, DeSoto County, Mississippi and being more particularly described as follows:

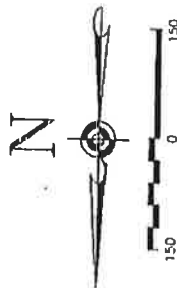
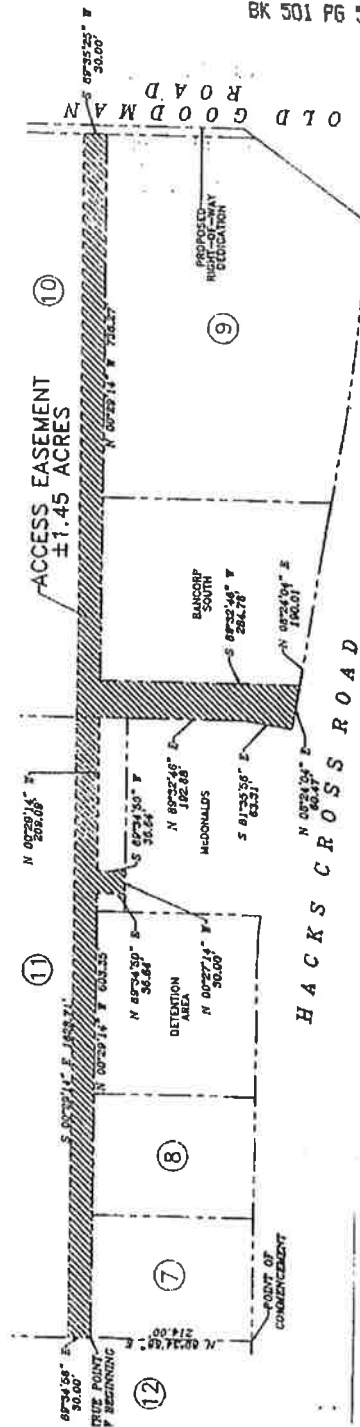
Commencing at the Northeast corner of the Southeast Quarter of Section 26, Township 1 South, Range 6 West, as per legal description on Plat Book 52, Page 49; thence South 00 degrees 00 minutes 00 seconds West for a distance of 1534.76 feet to a point; thence South 00 degrees 00 minutes 00 seconds East for a distance of 22.83 feet to a point (concrete right of way monument found 2.71 feet South of corner), said point being the TRUE POINT OF BEGINNING for the herein described tract; thence North 00 degrees 39 minutes 00 seconds East for a distance of 1,912.30 feet to a 1/2" rebar set; thence South 89 degrees 16 minutes 50 seconds East for a distance of 450.00 feet to a 1/2" iron rod found; thence South 00 degrees 38 minutes 17 seconds West for a distance of 2,395.58 feet to a 1/2" rebar set; thence South 89 degrees 16 minutes 22 seconds East for a distance of 60.00 feet to a 1/2" rebar found; thence South 00 degrees 41 minutes 00 seconds West for a distance of 575.00 feet to a 1/2" iron pipe found; thence South 00 degrees 43 minutes 39 seconds West for a distance of 30.00 feet to a 1/2" rebar set; thence North 89 degrees 16 minutes 21 seconds West for a distance of 477.46 feet to a 1/2" rebar set; thence North 53 degrees 28 minutes 44 seconds West for a distance of 40.65 feet to a 1/2" rebar set; thence North 53 degrees 28 minutes 44 seconds West for a distance of 49.35 feet to a 1/2" rebar set; thence North 53 degrees 28 minutes 44 seconds West for a distance of 49.35 feet to a concrete right of way monument found; thence North 53 degrees 28 minutes 44 seconds West for a distance of 67.26 feet to a point (concrete right of way monument found 2.78 feet South of corner); thence North 05 degrees 06 minutes 15 seconds East for a distance of 71.44 feet to a 1/2" rebar set to a point of curve to the right having a radius of 2,804.79 feet, a chord bearing of North 07 degrees 19 minutes 17 seconds East, a chord distance of 217.01 feet and an arc length of 217.06 feet to a concrete right of way monument found; thence North 09 degrees 32 minutes 18 seconds East for a distance of 154.47 feet to a 1/2" rebar set; thence North 09 degrees 32 minutes 18 seconds East for a distance of 250.48 feet to a 1/2" rebar set; thence South 80 degrees 27 minutes 42 seconds East for a distance of 63.31 feet to a 1/2" rebar set; thence South 89 degrees 19 minutes 00 seconds East for a distance of 156.12 feet to a 1/2" rebar set; thence North 00 degrees 41 minutes 00 seconds East for a distance of 264.34 feet to a 1/2" rebar set; thence North 89 degrees 19 minutes 00 seconds West for a distance of 180.48 feet to a 1/2" rebar set to a point on a non tangent curve to the left, with a radius of 2,924.78 feet, a chord bearing of North 07 degrees 28 minutes 58 seconds East, a chord distance of 25.94 feet, and an arc length of 25.94 feet to a point to the True Point of Beginning.



WHISPERING WOOD CONVENTION  
CENTER/GOLF COURSEACCESS EASEMENT  
±0.62 ACRES

HACKS CROSS ROAD

0.62 ACRES ACCESS EASEMENT  
BEGINNING AT THE SOUTHWEST CORNER OF THIS EASEMENT, ALSO BEING  
THE INTERSECTION OF THE PROPOSED LOT 7 OF THE CROSSING-  
CHAMBERLAIN SUBDIVISION, BEING 100 FEET WIDE, AND THE  
SOUTHWEST CORNER OF LOT 1A, OF WHICH THIS EASEMENT IS A PART, AND ON THE  
EAST RIGHT-OF-WAY LINE OF HACKS CROSS ROAD, THENCE IN A  
NORTH-WESTERLY DIRECTION ALONG AN EXTENSION LINE OF LOT 12 AND  
THIS EASEMENT, ALSO BEING 100 FEET WIDE, TO THE INTERSECTION  
N 00° 29' 14" W 10.00 FEET TO THE NORTHWEST CORNER OF THIS  
EASEMENT, ALSO BEING AN INTERIOR CORNER OF LOT 12 AND THE SOUTHWEST  
CORNER OF LOT 6, THENCE IN A NORTHWESTERLY DIRECTION ALONG THE  
SOUTHWEST CORNER OF LOT 6, BEING 100 FEET, TO THE INTERSECTION  
OF LOT 5, N 00° 29' 14" W 10.00 FEET, THENCE IN A NORTHWESTERLY  
DIRECTION ALONG THE WEST LINE OF LOT 5, N 00° 29' 14" W 10.00 FEET,  
TO THE INTERSECTION OF THE WHISPERING WOOD CONVENTION CENTER/GOLF COURSE  
LINE OF LOT 12, THENCE IN A SOUTHWESTERLY DIRECTION ALONG THE EAST  
LINE OF LOT 12, BEING 100 FEET, TO THE INTERSECTION OF THE  
WHISPERING WOOD CONVENTION CENTER/GOLF COURSE LINE OF LOT 12  
AND THE SOUTHWEST CORNER OF LOT 12, THENCE IN A SOUTHWESTERLY  
DIRECTION ALONG THE SOUTHWEST CORNER OF LOT 12, BEING 100 FEET,  
TO THE INTERSECTION OF THE WHISPERING WOOD CONVENTION CENTER/GOLF  
COURSE LINE OF LOT 12, THENCE IN A SOUTHWESTERLY DIRECTION  
ALONG THE SOUTHWEST CORNER OF LOT 12, BEING 100 FEET, TO THE  
NORTH LINE OF LOT 12, BEING 100 FEET, THENCE IN A SOUTHWESTERLY  
DIRECTION ALONG THE NORTH LINE OF LOT 12, BEING 100 FEET, TO  
THE POINT OF BEGINNING AND CONTAINING 0.62 ACRES, MORE OR LESS.

[illegible]



**15.3 Historical Research Documentation**  
**15.3.2 EDR Aerial Photographs**



## **Hacks Cross Road and Woods Boulevard**

Hacks Cross Road and Woods Boulevard

Olive Branch, MS 38654

Inquiry Number: 6249648.8

November 03, 2020

# **The EDR Aerial Photo Decade Package**



6 Armstrong Road, 4th floor  
Shelton, CT 06484  
Toll Free: 800.352.0050  
[www.edrnet.com](http://www.edrnet.com)

## EDR Aerial Photo Decade Package

11/03/20

**Site Name:**

Hacks Cross Road and Woods  
Hacks Cross Road and Woods  
Olive Branch, MS 38654  
EDR Inquiry # 6249648.8

**Client Name:**

GEO Solutions, LLC  
7201 Opportunity Blvd  
Huntsville, AL 35810  
Contact: Barbara Lehman



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

**Search Results:**

<u>Year</u>	<u>Scale</u>	<u>Details</u>	<u>Source</u>
2016	1"=500'	Flight Year: 2016	USDA/NAIP
2012	1"=500'	Flight Year: 2012	USDA/NAIP
2009	1"=500'	Flight Year: 2009	USDA/NAIP
2006	1"=500'	Flight Year: 2006	USDA/NAIP
1997	1"=500'	Flight Date: January 29, 1997	USGS
1985	1"=500'	Flight Date: March 24, 1985	NHAP
1980	1"=500'	Flight Date: November 01, 1980	USDA
1971	1"=500'	Flight Date: November 07, 1971	USDA
1965	1"=500'	Flight Date: August 30, 1965	USDA
1957	1"=500'	Flight Date: December 28, 1957	USDA
1953	1"=500'	Flight Date: October 11, 1953	USDA
1937	1"=500'	Flight Date: August 07, 1937	USDA

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INQUIRY #: 6249648.8

YEAR: 2016

 = 500'







INQUIRY #: 6249648.8

YEAR: 2012

— = 500'







INQUIRY #: 6249648.8

YEAR: 2009

— = 500'







INQUIRY #: 6249648.8

YEAR: 2006

— = 500'







INQUIRY #: 6249648.8

YEAR: 1997

— = 500'







INQUIRY #: 6249648.8

YEAR: 1985

— = 500'







INQUIRY #: 6249648.8

YEAR: 1980

— = 500'







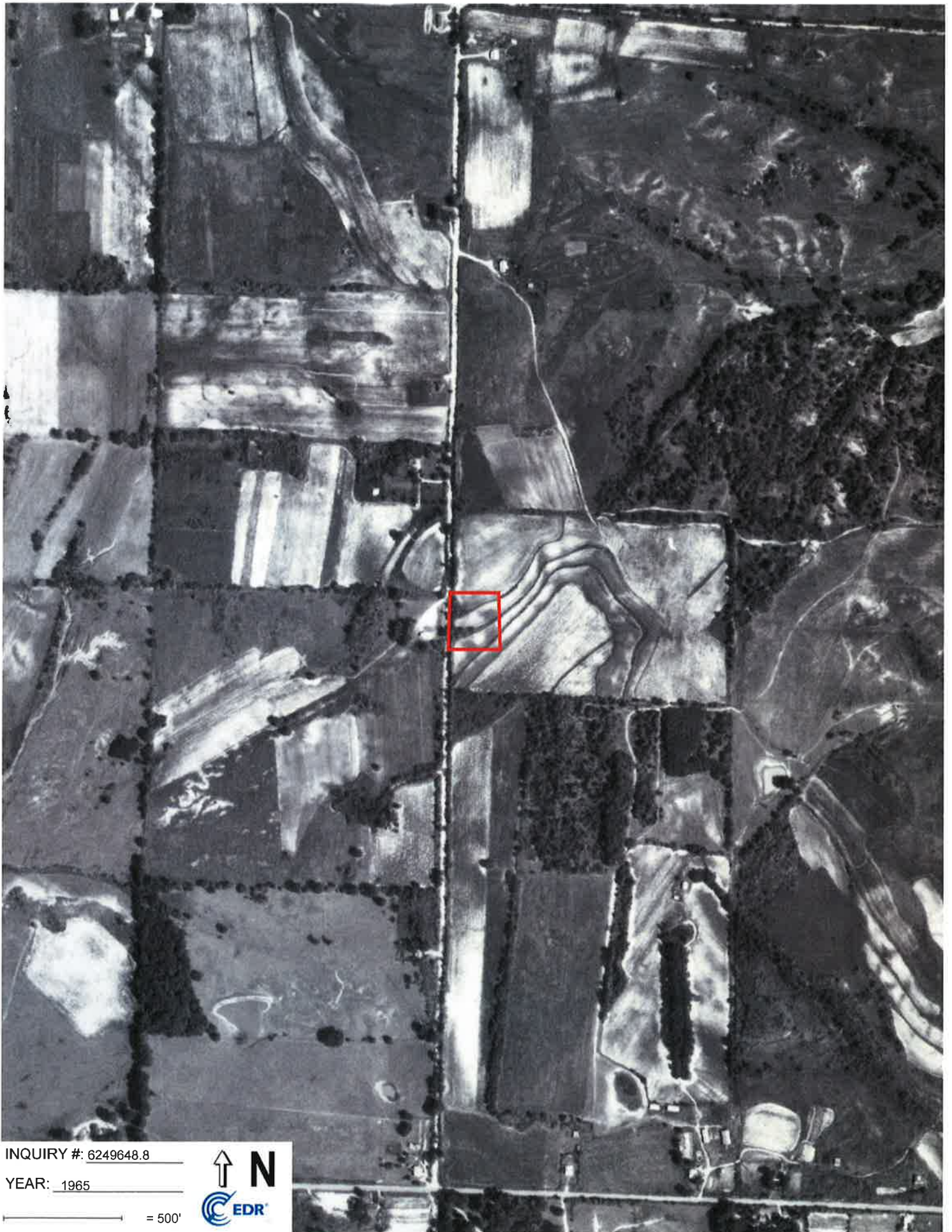
INQUIRY #: 6249648.8

YEAR: 1971

— = 500'





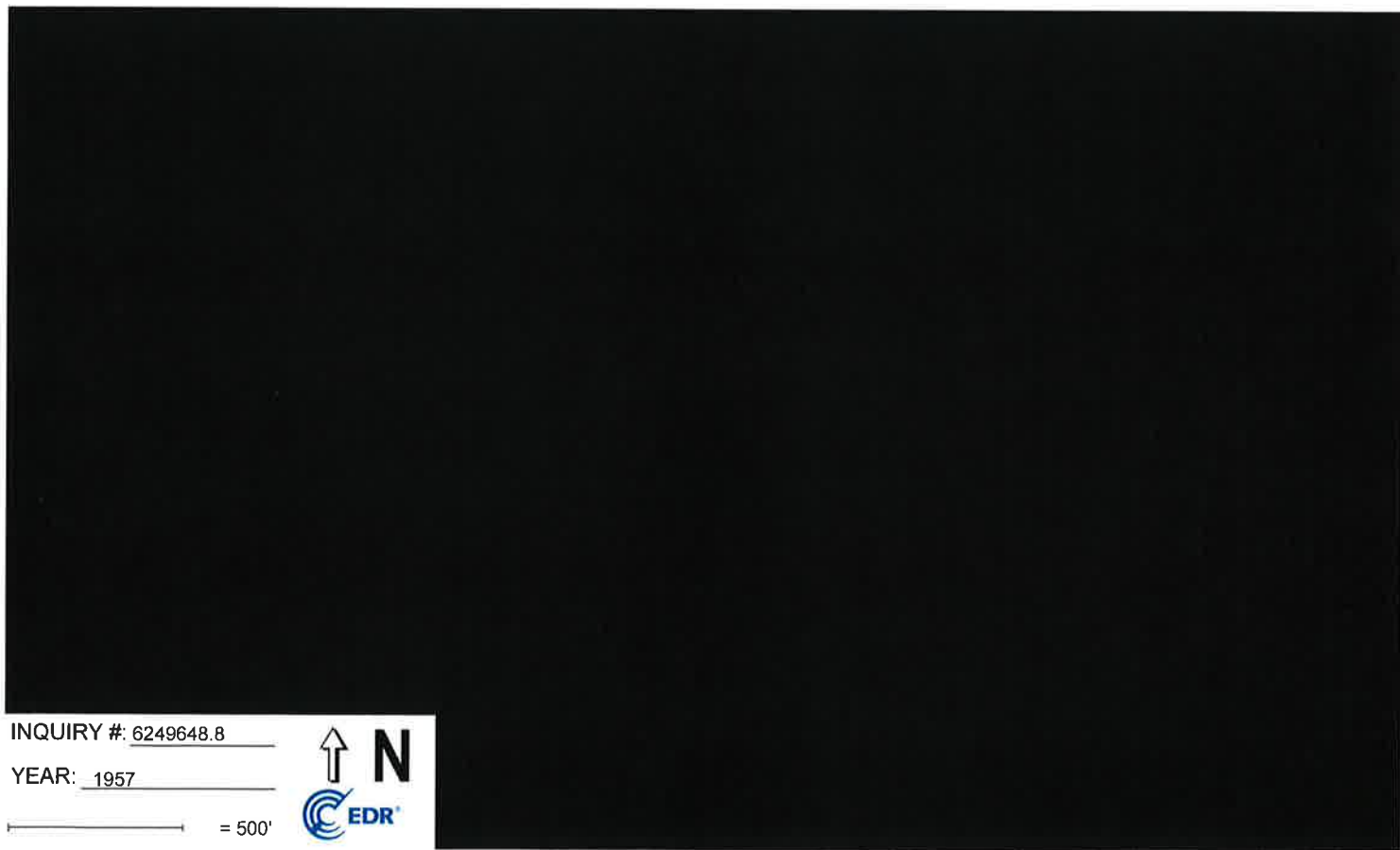
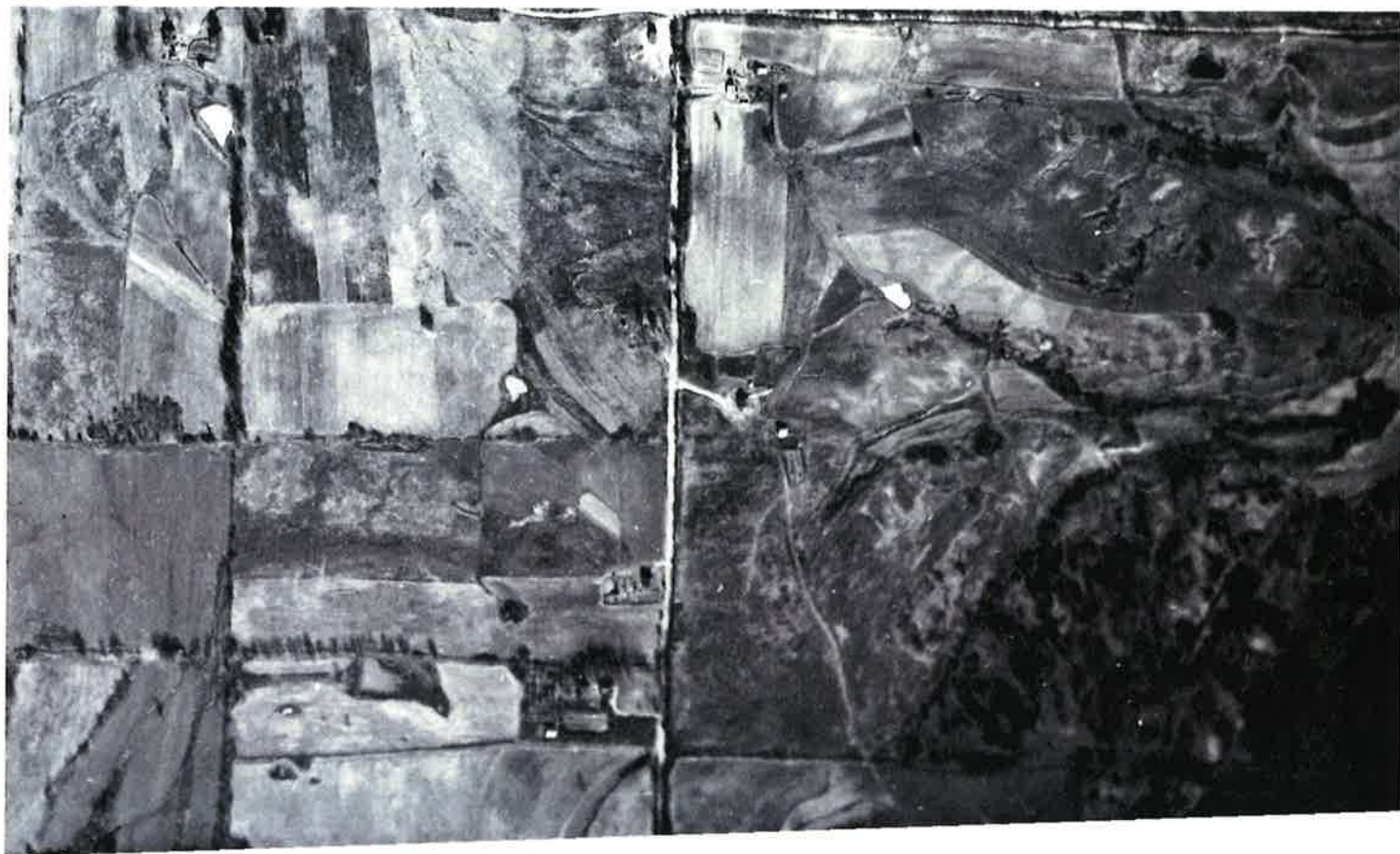


INQUIRY #: 6249648.8

YEAR: 1965

— = 500'





INQUIRY #: 6249648.8

YEAR: 1957

— = 500'







INQUIRY #: 6249648.8

YEAR: 1953

\_\_\_\_\_ = 500'








INQUIRY #: 6249648.8

YEAR: 1937

— = 500'



**15.3 Historical Research Documentation**  
**15.3.3 EDR Historical Topo Maps**



Hacks Cross Road and Woods Boulevard

Hacks Cross Road and Woods Boulevard

Olive Branch, MS 38654

Inquiry Number: 6249648.4

November 02, 2020

# EDR Historical Topo Map Report

with QuadMatch™



6 Armstrong Road, 4th floor  
Shelton, CT 06484  
Toll Free: 800.352.0050  
[www.edrnet.com](http://www.edrnet.com)



# EDR Historical Topo Map Report

11/02/20

**Site Name:**

Hacks Cross Road and Woods  
Hacks Cross Road and Woods  
Olive Branch, MS 38654  
EDR Inquiry # 6249648.4

**Client Name:**

GEO Solutions, LLC  
7201 Opportunity Blvd  
Huntsville, AL 35810  
Contact: Barbara Lehman



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

**Search Results:**

**P.O.#** NA  
**Project:** 20-1188

**Coordinates:**

**Latitude:** 34.969362 34° 58' 10" North  
**Longitude:** -89.79471 -89° 47' 41" West  
**UTM Zone:** Zone 16 North  
**UTM X Meters:** 244848.08  
**UTM Y Meters:** 3873213.61  
**Elevation:** 410.23' above sea level

**Maps Provided:**

2012  
1982  
1944

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### ***Topo Sheet Key***

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

#### **2012 Source Sheets**



Olive Branch

7.5-minute, 24000

#### **1982 Source Sheets**



Olive Branch

7.5-minute, 24000

Aerial Photo Revised 1975

#### **1944 Source Sheets**

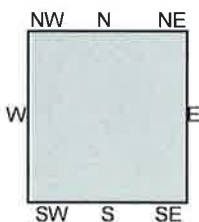


Hernando

15-minute, 62500



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

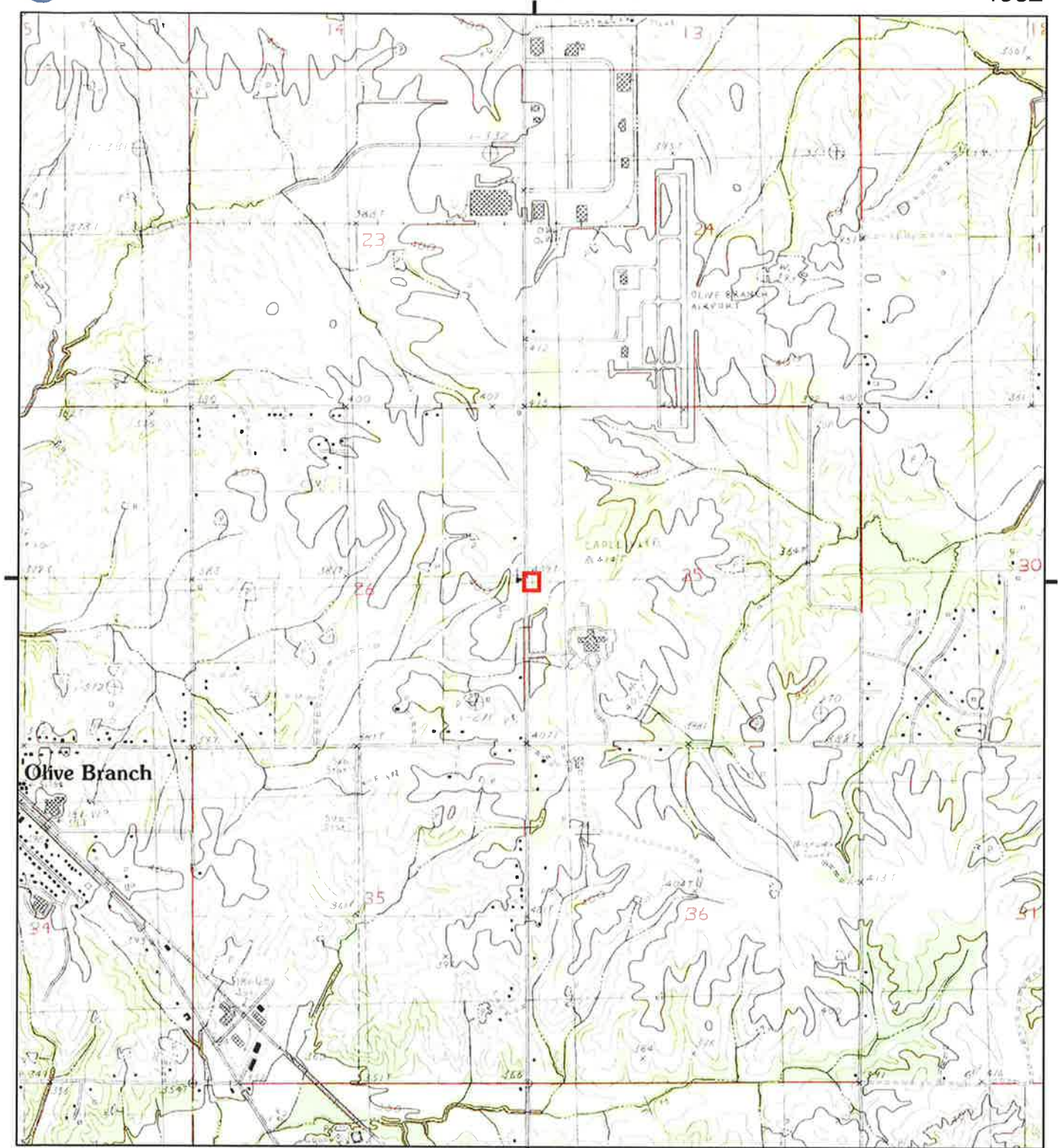


TP, Olive Branch, 2012, 7.5-minute

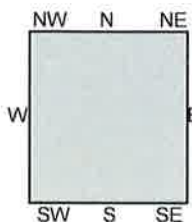
SITE NAME: Hacks Cross Road and Woods Boulevard  
 ADDRESS: Hacks Cross Road and Woods Boulevard  
 Olive Branch, MS 38654  
 CLIENT: GEO Solutions, LLC







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

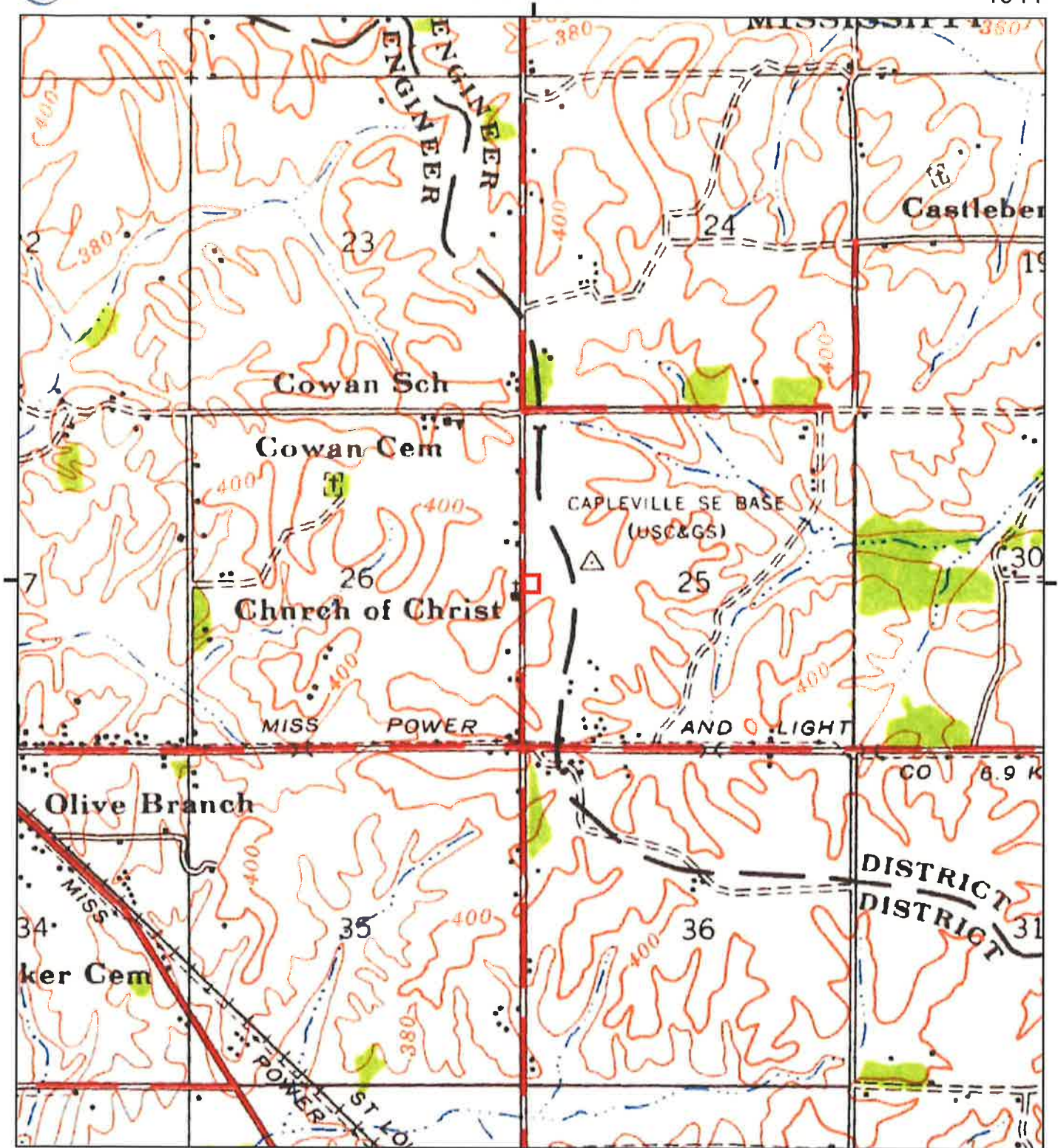


TP, Olive Branch, 1982, 7.5-minute

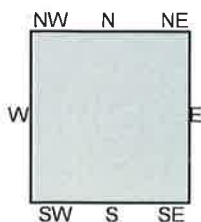
SITE NAME: Hacks Cross Road and Woods Boulevard  
 ADDRESS: Hacks Cross Road and Woods Boulevard  
 Olive Branch, MS 38654  
 CLIENT: GEO Solutions, LLC







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



TP, Hernando, 1944, 15-minute

SITE NAME: Hacks Cross Road and Woods Boulevard  
 ADDRESS: Hacks Cross Road and Woods Boulevard  
 Olive Branch, MS 38654  
 CLIENT: GEO Solutions, LLC



**15.3 Historical Research Documentation**  
**15.3.4 EDR-City Directory Image Report**

**Hacks Cross Road and Woods Boulevard**

Hacks Cross Road and Woods Boulevard  
Olive Branch, MS 38654

Inquiry Number: 6249648.5  
November 04, 2020

## The EDR-City Directory Image Report

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Executive Summary

Findings

City Directory Images

***Thank you for your business.***  
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## EXECUTIVE SUMMARY

### DESCRIPTION

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

### RECORD SOURCES

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

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### RESEARCH SUMMARY

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

<u>Year</u>	<u>Target Street</u>	<u>Cross Street</u>	<u>Source</u>
2017	<input type="checkbox"/>	<input checked="" type="checkbox"/>	EDR Digital Archive
2014	<input type="checkbox"/>	<input checked="" type="checkbox"/>	EDR Digital Archive
2010	<input type="checkbox"/>	<input checked="" type="checkbox"/>	EDR Digital Archive
2005	<input type="checkbox"/>	<input checked="" type="checkbox"/>	EDR Digital Archive
2000	<input type="checkbox"/>	<input checked="" type="checkbox"/>	EDR Digital Archive
1995	<input type="checkbox"/>	<input checked="" type="checkbox"/>	EDR Digital Archive
1992	<input type="checkbox"/>	<input checked="" type="checkbox"/>	EDR Digital Archive

## FINDINGS

### TARGET PROPERTY STREET

Hacks Cross Road and Woods Boulevard  
Olive Branch, MS 38654

No Addresses Found

## FINDINGS

### CROSS STREETS

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

#### HACKS CROSS RD

2017	pg. A1	EDR Digital Archive
2014	pg. A2	EDR Digital Archive
2010	pg. A3	EDR Digital Archive
2005	pg. A4	EDR Digital Archive
2000	pg. A5	EDR Digital Archive
1995	pg. A6	EDR Digital Archive
1992	pg. A7	EDR Digital Archive

#### WOODS BLVD

2017	-	EDR Digital Archive	Target and Adjoining not listed in Source
2014	-	EDR Digital Archive	Target and Adjoining not listed in Source
2010	-	EDR Digital Archive	Target and Adjoining not listed in Source
2005	-	EDR Digital Archive	Target and Adjoining not listed in Source
2000	-	EDR Digital Archive	Target and Adjoining not listed in Source
1995	-	EDR Digital Archive	Target and Adjoining not listed in Source
1992	-	EDR Digital Archive	Target and Adjoining not listed in Source



## **City Directory Images**

**HACKS CROSS RD 2017**

7280	CITIZENS NATIONAL BANK
7281	HOLIDAY CROSSING GRILL
7300	WHISPERING WOODS HOTEL & CONFERENCE
7301	KFC
7315	SONIC
7322	AUTOZONE
7341	STATELINE TURF & TRACTOR INC
7406	DANVERS
7417	SKATE ODYSSEY OF OLIVE BRANCH
7491	ST LUKE CHRISTIAN ACADEMY
	ST LUKE CHURCH OF GOD IN CHRIST
	WALTER B SHANNON SENIOR HOPE CENTER
7590	BP
	HACKS CROSS BP
	OLIVE BRANCH ONE STOP
	TOWING
7661	AMERICAN FIREWORKS
7670	MAHLE CLEVITE INC
7685	ALL AMERICAN CHECK CASHING
	ALL AMERICAN INC
	ALLSTATE
	INDIGO
	MULTI PLATINUM INVESTMENTS LLC
	SUBWAY
	THE DANCE CENTER
7721	ABA LIQUOR
	ASAP STAFFING
	AT&T
	DAYLIGHT DONUTS
	FOUR SEASONS NAILS
	INSTAFF
	MUNCHIES
	UNIQUE PARTY RENTALS

**HACKS CROSS RD 2014**

7280	CITIZENS NATIONAL BANK
7281	HOLIDAY CROSSING GRILL
	OCCUPANT UNKNOWN,
7301	KFC
	KFC OLIVE BRANCH
7315	SONIC
7322	AUTOZONE
7341	STATELINE TURF & TRACTOR INC
7406	DANVERS
7417	SKATE ODYSSEY OF OLIVE BRANCH
7491	ST LUKE CHRISTIAN ACADEMY
	ST LUKE CHURCH OF GOD IN CHRIST
	WALTER B SHANNON SENIOR HOPE CENTER
7590	BP
	HACKS CROSS BP
	OLIVE BRANCH ONE STOP
7661	AMERICAN FIREWORKS
7670	MAHLE CLEVITE INC
7685	ALL AMERICAN CHECK CASHING
	ALL AMERICAN INC
	DANCE CENTER
	FADESNBRAIDS
	MULTI PLATINUM INVESTMENTS LLC
	SUBWAY SANDWICHES
7721	ABA LIQUOR
	AT&T
	FOUR SEASONS NAILS
	INSTAFF
	NGUYEN, VIVIAN
	SUNLIGHT DONUTS
	UNIQUE PARTY RENTALS

**HACKS CROSS RD 2010**

7280	CITIZENS NATIONAL BANK
7281	HOLIDAY CROSSING GRILL
	OCCUPANT UNKNOWN,
7301	KFC
7315	SONIC DRIVEIN
7322	AUTOZONE
7341	STATELINE TURF & TRACTOR INC
	TURF PRO
7406	DANVERS
7417	SKATE ODYSSEY OF OLIVE BRANCH
7491	ST LUKE CHRISTIAN ACADEMY
7590	B P STATION
7670	MAHLE CLEVITE INC
7685	ALL AMERICAN CHECK CASHING INC
	ALLSTATE INSURANCE CO
	BRAIDS & FADES
	DANCE CENTER
	SUBWAY
7721	GRANITE TELECOM
	HACKS LIQUORS
	JOE POPENHEIMER MGMT LLC
	NGUYEN, VIVIAN
	TOBACCO & BEER
7750	OLIVE BRANCH AMBULANCE
	OLIVE BRANCH FIRE DEPT



**HACKS CROSS RD 2005**

7301	KENTUCKY FRIED CHICKEN
7341	STATELINE TURF & TRACTOR INC
7417	SKATE ODYSSEY OF OLIVE BRANCH
7491	LITTLE MIRACLE CHILD ENRICHMENT CENT
	SAINT LUKE CHURCH OF GOD IN CHRIST
7590	OLIVE BRANCH COMPLETE ONE STOP
	RA RALLY INC
7685	BRAIDS & FADES
	CASH 4 U
	P & P S PLATINIUM BEAUTY & BARBE
	P & PS PLTNM BTY & BARBE
7750	OLIVE BRANCH FIRE DEPARTMENT
	OLIVE BRANCH FIRE DEPT FIRE STATION

**HACKS CROSS RD 2000**

7281	HOLIDAY CROSSING GRILL HOLIDAY SPIRITS
7341	STATELINE TURF & TRACTOR INCORPORATED TURF PRO
7417	SKATE ODYSSEY OF OLIVE BRANCH
7491	ST LUKE CHURCH OF GOD IN CHRIST
7590	OLIVE BRANCH ONE STOP THOMPSONS ONE STOP
7750	OLIVE BRANCH FIRE DEPARTMENT

**HACKS CROSS RD 1995**

7341	STATELINE TURF & TRACTOR INC
	STATELINE TURF&TRC
	TURF PRO
7491	ST LUKE CHURCH OF GOD
7590	OLIVE BRANCH ONE STOP
7670	SEALED POWER CORP
7750	OLIVE BRANCH AMBULANCE

**HACKS CROSS RD 1992**

7491	ST LUKE CH OF GOD
7590	THOMPSON&ASSOC
7670	SEALED POWER CORP



**15.4 Regulatory Records Documentation**  
**15.4.1 Environmental Data Resources Report**

**Hacks Cross Road and Woods Boulevard**

Hacks Cross Road and Woods Boulevard  
Olive Branch, MS 38654

Inquiry Number: 6249648.2s  
November 02, 2020

**The EDR Radius Map™ Report with GeoCheck®**



6 Armstrong Road, 4th floor  
Shelton, CT 06484  
Toll Free: 800.352.0050  
[www.edrnet.com](http://www.edrnet.com)

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## EXECUTIVE SUMMARY

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

### TARGET PROPERTY INFORMATION

#### ADDRESS

HACKS CROSS ROAD AND WOODS BOULEVARD  
OLIVE BRANCH, MS 38654

#### COORDINATES

Latitude (North):	34.9693620 - 34° 58' 9.70"
Longitude (West):	89.7947100 - 89° 47' 40.95"
Universal Transverse Mercator:	Zone 16
UTM X (Meters):	244842.2
UTM Y (Meters):	3873016.2
Elevation:	411 ft. above sea level

### USGS TOPOGRAPHIC MAP ASSOCIATED WITH TARGET PROPERTY

Target Property Map:	5633937 OLIVE BRANCH, MS
Version Date:	2012

### AERIAL PHOTOGRAPHY IN THIS REPORT

Portions of Photo from:	20140923
Source:	USDA

# MAPPED SITES SUMMARY

Target Property Address:

HACKS CROSS ROAD AND WOODS BOULEVARD  
OLIVE BRANCH, MS 38654

Click on Map ID to see full detail.

MAP ID	SITE NAME	ADDRESS	DATABASE ACRONYMS	RELATIVE ELEVATION	DIST (ft. & mi.) DIRECTION
1	R A RALLY INC	7590 HACKS CROSS RD	EDR Hist Auto	Higher	559, 0.106, NNW
2	HACKS CROSS EXPRESS(	7641 HACKS CROSS ROA	UST	Higher	951, 0.180, North
3	HOLIDAY INN EXECUTIV		SHWS	Higher	1289, 0.244, ESE
4	OLIVE BRANCH RADIO R	HIGHWAY 309 MT PLEAS	LUST, UST	Lower	1720, 0.326, SW
5	AMERICAN HELMITIN TA		SHWS, VCP	Lower	3583, 0.679, North



## EXECUTIVE SUMMARY

### **TARGET PROPERTY SEARCH RESULTS**

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

### **DATABASES WITH NO MAPPED SITES**

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

### **STANDARD ENVIRONMENTAL RECORDS**

#### ***Federal NPL site list***

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

#### ***Federal Delisted NPL site list***

Delisted NPL..... National Priority List Deletions

#### ***Federal CERCLIS list***

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

#### ***Federal CERCLIS NFRAP site list***

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

#### ***Federal RCRA CORRACTS facilities list***

CORRACTS..... Corrective Action Report

#### ***Federal RCRA non-CORRACTS TSD facilities list***

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

#### ***Federal RCRA generators list***

RCRA-LQG..... RCRA - Large Quantity Generators  
RCRA-SQG..... RCRA - Small Quantity Generators  
RCRA-VSQG..... RCRA - Very Small Quantity Generators (Formerly Conditionally Exempt Small Quantity Generators)

#### ***Federal institutional controls / engineering controls registries***

LUCIS..... Land Use Control Information System

## EXECUTIVE SUMMARY

US ENG CONTROLS..... Engineering Controls Sites List  
US INST CONTROLS..... Institutional Controls Sites List

### ***Federal ERNS list***

ERNS..... Emergency Response Notification System

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

SWF/LF..... Solid Waste Landfills  
DEBRIS..... Debris Site Locations Listing

### ***State and tribal leaking storage tank lists***

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

### ***State and tribal registered storage tank lists***

FEMA UST..... Underground Storage Tank Listing  
AST..... Aboveground Storage Tanks  
INDIAN UST..... Underground Storage Tanks on Indian Land

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

ENG CONTROLS..... Sites with Engineering Controls  
INST CONTROL..... Sites with Institutional Controls

### ***State and tribal voluntary cleanup sites***

VCP..... Voluntary Evaluation Program Sites  
INDIAN VCP..... Voluntary Cleanup Priority Listing

### ***State and tribal Brownfields sites***

BROWNFIELDS..... Uncontrolled Sites List

## **ADDITIONAL ENVIRONMENTAL RECORDS**

### ***Local Brownfield lists***

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

### ***Local Lists of Landfill / Solid Waste Disposal Sites***

SWRCY..... Mississippi Recycling Directory  
SWTIRE..... Commercial Waste Tire Haulers  
INDIAN ODI..... Report on the Status of Open Dumps on Indian Lands  
DEBRIS REGION 9..... Torres Martinez Reservation Illegal Dump Site Locations  
ODI..... Open Dump Inventory  
IHS OPEN DUMPS..... Open Dumps on Indian Land

### ***Local Lists of Hazardous waste / Contaminated Sites***

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

## EXECUTIVE SUMMARY

US CDL..... National Clandestine Laboratory Register

### **Local Land Records**

LIENS 2..... CERCLA Lien Information

### **Records of Emergency Release Reports**

HMIRS..... Hazardous Materials Information Reporting System

### **Other Ascertainable Records**

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

## EXECUTIVE SUMMARY

UIC..... UIC Information  
MINES MRDS..... Mineral Resources Data System

### EDR HIGH RISK HISTORICAL RECORDS

#### ***EDR Exclusive Records***

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

### EDR RECOVERED GOVERNMENT ARCHIVES

#### ***Exclusive Recovered Govt. Archives***

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

### SURROUNDING SITES: SEARCH RESULTS

Surrounding sites were identified in the following databases.

Elevations have been determined from the USGS Digital Elevation Model and should be evaluated on a relative (not an absolute) basis. Relative elevation information between sites of close proximity should be field verified. Sites with an elevation equal to or higher than the target property have been differentiated below from sites with an elevation lower than the target property.

Page numbers and map identification numbers refer to the EDR Radius Map report where detailed data on individual sites can be reviewed.

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

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

### STANDARD ENVIRONMENTAL RECORDS

#### ***State- and tribal - equivalent CERCLIS***

SHWS: The State Hazardous Waste Sites 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. The data come from the Department of Environmental Quality's Uncontrolled Site Project Tracking System.

A review of the SHWS list, as provided by EDR, and dated 06/03/2020 has revealed that there are 2 SHWS sites within approximately 1 mile of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
HOLIDAY INN EXECUTIV Status: SNFA		ESE 1/8 - 1/4 (0.244 mi.)	3	8
<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
<b><i>AMERICAN HELMITIN TA</i></b>		<b><i>N 1/2 - 1 (0.679 mi.)</i></b>	<b><i>5</i></b>	<b><i>11</i></b>

## EXECUTIVE SUMMARY

Status: SNFA

### **State and tribal leaking storage tank lists**

LUST: The Leaking Underground Storage Tank Incident Reports contain an inventory of reported leaking underground storage tank incidents. The data come from the Department of Environmental Quality's LUST Status Report.

A review of the LUST list, as provided by EDR, and dated 12/18/2019 has revealed that there is 1 LUST site within approximately 0.5 miles of the target property.

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
<b>OLIVE BRANCH RADIO R</b> Status Code: Closed Facility Status: Inactive Facility Id: 4418	<b>HIGHWAY 309 MT PLEAS</b>	<b>SW 1/4 - 1/2 (0.326 mi.)</b>	<b>4</b>	<b>9</b>

### **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 Environmental Quality's Underground Storage Tanks list.

A review of the UST list, as provided by EDR, and dated 07/21/2020 has revealed that there is 1 UST site within approximately 0.25 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
<b>HACKS CROSS EXPRESS</b> Facility Id: 13231	<b>7641 HACKS CROSS ROA</b>	<b>N 1/8 - 1/4 (0.180 mi.)</b>	<b>2</b>	<b>8</b>

### **EDR HIGH RISK HISTORICAL RECORDS**

#### **EDR Exclusive Records**

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

A review of the EDR Hist Auto list, as provided by EDR, has revealed that there is 1 EDR Hist Auto



## EXECUTIVE SUMMARY

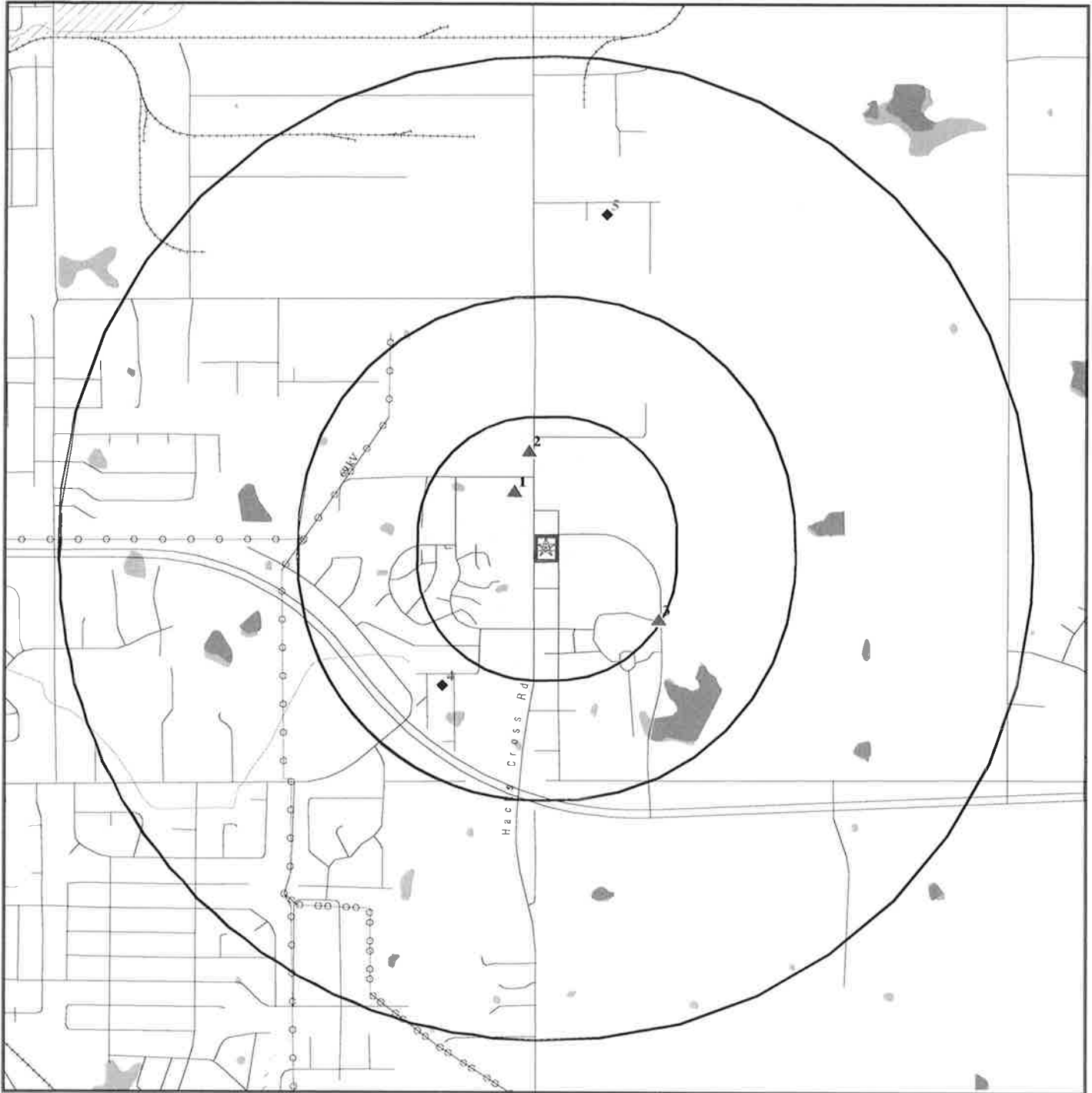
site within approximately 0.125 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
R A RALLY INC	7590 HACKS CROSS RD	NNW 0 - 1/8 (0.106 mi.)	1	8

## EXECUTIVE SUMMARY

There were no unmapped sites in this report.

# OVERVIEW MAP - 6249648.2S



Target Property

▲ Sites at elevations higher than or equal to the target property

◆ Sites at elevations lower than the target property

▲ Manufactured Gas Plants

■ National Priority List Sites

■ Dept. Defense Sites

Indian Reservations BIA

Power transmission lines

Special Flood Hazard Area (1%)

0.2% Annual Chance Flood Hazard

National Wetland Inventory

State Wetlands

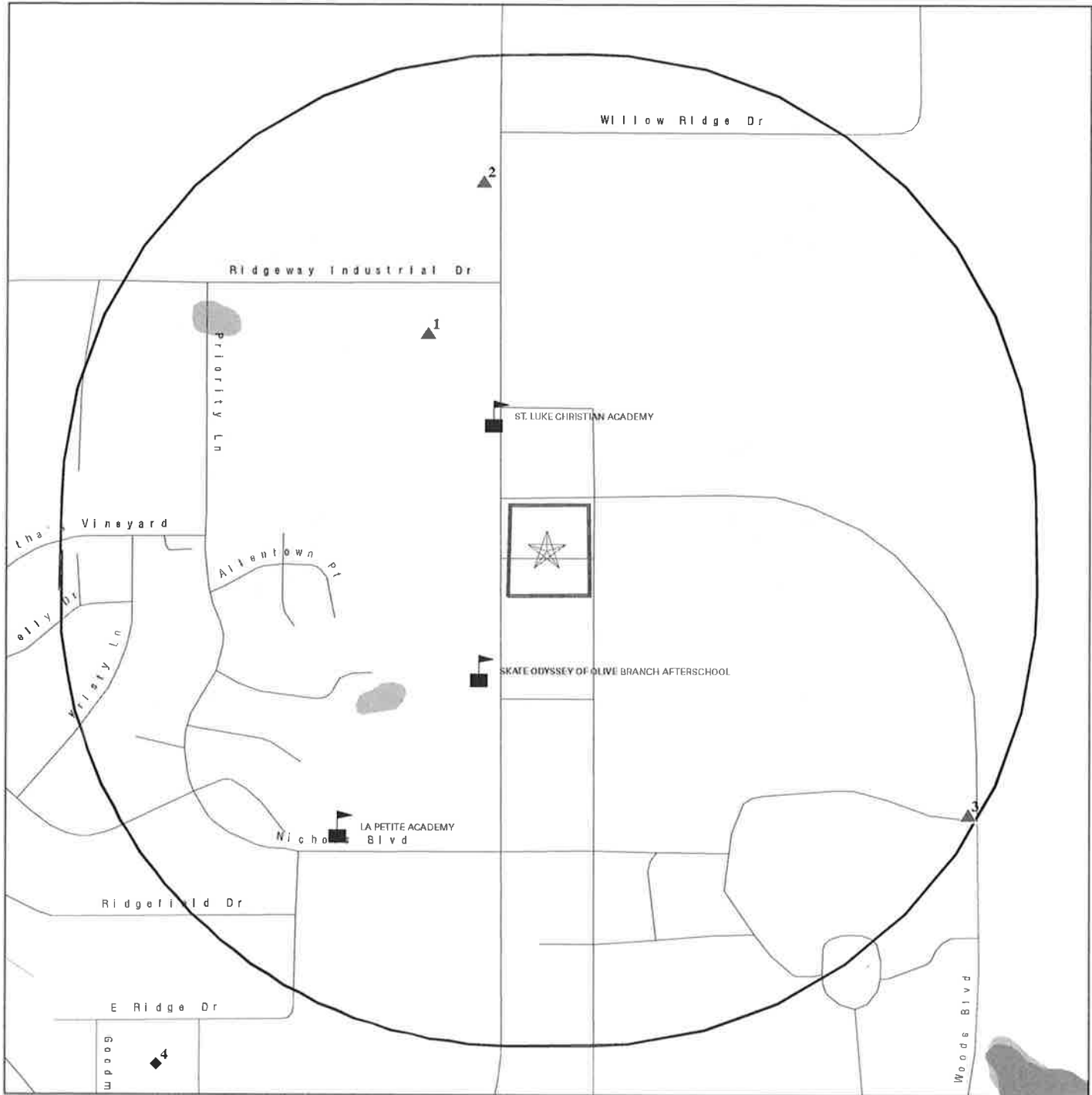
0 1/4 1/2 1 Miles








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

SITE NAME: Hacks Cross Road and Woods Boulevard  
 ADDRESS: Hacks Cross Road and Woods Boulevard  
 Olive Branch MS 38654  
 LAT/LONG: 34.969362 / 89.79471

CLIENT: GEO Solutions, LLC  
 CONTACT: Barbara Lehman  
 INQUIRY #: 6249648.2s  
 DATE: November 02, 2020 11:12 am

# DETAIL MAP - 6249648.2S



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

-  Indian Reservations BIA
-  Special Flood Hazard Area (1%)
-  0.2% Annual Chance Flood Hazard
-  National Wetland Inventory
-  State Wetlands



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

SITE NAME: Hacks Cross Road and Woods Boulevard  
 ADDRESS: Hacks Cross Road and Woods Boulevard  
 Olive Branch MS 38654  
 LAT/LONG: 34.969362 / 89.79471

CLIENT: GEO Solutions, LLC  
 CONTACT: Barbara Lehman  
 INQUIRY #: 6249648.2s  
 DATE: November 02, 2020 11:14 am

## MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
<b><u>STANDARD ENVIRONMENTAL RECORDS</u></b>								
<b><i>Federal NPL site list</i></b>								
NPL	1.000		0	0	0	0	NR	0
Proposed NPL	1.000		0	0	0	0	NR	0
NPL LIENS	1.000		0	0	0	0	NR	0
<b><i>Federal Delisted NPL site list</i></b>								
Delisted NPL	1.000		0	0	0	0	NR	0
<b><i>Federal CERCLIS list</i></b>								
FEDERAL FACILITY	0.500		0	0	0	NR	NR	0
SEMS	0.500		0	0	0	NR	NR	0
<b><i>Federal CERCLIS NFRAP site list</i></b>								
SEMS-ARCHIVE	0.500		0	0	0	NR	NR	0
<b><i>Federal RCRA CORRACTS facilities list</i></b>								
CORRACTS	1.000		0	0	0	0	NR	0
<b><i>Federal RCRA non-CORRACTS TSD facilities list</i></b>								
RCRA-TSDF	0.500		0	0	0	NR	NR	0
<b><i>Federal RCRA generators list</i></b>								
RCRA-LQG	0.250		0	0	NR	NR	NR	0
RCRA-SQG	0.250		0	0	NR	NR	NR	0
RCRA-VSQG	0.250		0	0	NR	NR	NR	0
<b><i>Federal institutional controls / engineering controls registries</i></b>								
LUCIS	0.500		0	0	0	NR	NR	0
US ENG CONTROLS	0.500		0	0	0	NR	NR	0
US INST CONTROLS	0.500		0	0	0	NR	NR	0
<b><i>Federal ERNS list</i></b>								
ERNS	0.001		0	NR	NR	NR	NR	0
<b><i>State- and tribal - equivalent CERCLIS</i></b>								
SHWS	1.000		0	1	0	1	NR	2
<b><i>State and tribal landfill and/or solid waste disposal site lists</i></b>								
SWF/LF	0.500		0	0	0	NR	NR	0
DEBRIS	0.500		0	0	0	NR	NR	0
<b><i>State and tribal leaking storage tank lists</i></b>								
LUST	0.500		0	0	1	NR	NR	1
INDIAN LUST	0.500		0	0	0	NR	NR	0
<b><i>State and tribal registered storage tank lists</i></b>								
FEMA UST	0.250		0	0	NR	NR	NR	0



## MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
UST	0.250		0	1	NR	NR	NR	1
AST	0.250		0	0	NR	NR	NR	0
INDIAN UST	0.250		0	0	NR	NR	NR	0
<b>State and tribal institutional control / engineering control registries</b>								
ENG CONTROLS	0.500		0	0	0	NR	NR	0
INST CONTROL	0.500		0	0	0	NR	NR	0
<b>State and tribal voluntary cleanup sites</b>								
VCP	0.500		0	0	0	NR	NR	0
INDIAN VCP	0.500		0	0	0	NR	NR	0
<b>State and tribal Brownfields sites</b>								
BROWNFIELDS	0.500		0	0	0	NR	NR	0
<b>ADDITIONAL ENVIRONMENTAL RECORDS</b>								
<b>Local Brownfield lists</b>								
US BROWNFIELDS	0.500		0	0	0	NR	NR	0
<b>Local Lists of Landfill / Solid Waste Disposal Sites</b>								
SWRCY	0.500		0	0	0	NR	NR	0
SWTIRE	0.500		0	0	0	NR	NR	0
INDIAN ODI	0.500		0	0	0	NR	NR	0
DEBRIS REGION 9	0.500		0	0	0	NR	NR	0
ODI	0.500		0	0	0	NR	NR	0
IHS OPEN DUMPS	0.500		0	0	0	NR	NR	0
<b>Local Lists of Hazardous waste / Contaminated Sites</b>								
US HIST CDL	0.001		0	NR	NR	NR	NR	0
US CDL	0.001		0	NR	NR	NR	NR	0
<b>Local Land Records</b>								
LIENS 2	0.001		0	NR	NR	NR	NR	0
<b>Records of Emergency Release Reports</b>								
HMIRS	0.001		0	NR	NR	NR	NR	0
<b>Other Ascertainable Records</b>								
RCRA NonGen / NLR	0.250		0	0	NR	NR	NR	0
FUDS	1.000		0	0	0	0	NR	0
DOD	1.000		0	0	0	0	NR	0
SCRD DRYCLEANERS	0.500		0	0	0	NR	NR	0
US FIN ASSUR	0.001		0	NR	NR	NR	NR	0
EPA WATCH LIST	0.001		0	NR	NR	NR	NR	0
2020 COR ACTION	0.250		0	0	NR	NR	NR	0
TSCA	0.001		0	NR	NR	NR	NR	0

## MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
TRIS	0.001		0	NR	NR	NR	NR	0
SSTS	0.001		0	NR	NR	NR	NR	0
ROD	1.000		0	0	0	0	NR	0
RMP	0.001		0	NR	NR	NR	NR	0
RAATS	0.001		0	NR	NR	NR	NR	0
PRP	0.001		0	NR	NR	NR	NR	0
PADS	0.001		0	NR	NR	NR	NR	0
ICIS	0.001		0	NR	NR	NR	NR	0
FTTS	0.001		0	NR	NR	NR	NR	0
MLTS	0.001		0	NR	NR	NR	NR	0
COAL ASH DOE	0.001		0	NR	NR	NR	NR	0
COAL ASH EPA	0.500		0	0	0	NR	NR	0
PCB TRANSFORMER	0.001		0	NR	NR	NR	NR	0
RADINFO	0.001		0	NR	NR	NR	NR	0
HIST FTTS	0.001		0	NR	NR	NR	NR	0
DOT OPS	0.001		0	NR	NR	NR	NR	0
CONSENT	1.000		0	0	0	0	NR	0
INDIAN RESERV	1.000		0	0	0	0	NR	0
FUSRAP	1.000		0	0	0	0	NR	0
UMTRA	0.500		0	0	0	NR	NR	0
LEAD SMELTERS	0.001		0	NR	NR	NR	NR	0
US AIRS	0.001		0	NR	NR	NR	NR	0
US MINES	0.250		0	0	NR	NR	NR	0
ABANDONED MINES	0.250		0	0	NR	NR	NR	0
FINDS	0.001		0	NR	NR	NR	NR	0
ECHO	0.001		0	NR	NR	NR	NR	0
DOCKET HWC	0.001		0	NR	NR	NR	NR	0
UXO	1.000		0	0	0	0	NR	0
FUELS PROGRAM	0.250		0	0	NR	NR	NR	0
AIRS	0.001		0	NR	NR	NR	NR	0
ASBESTOS	0.001		0	NR	NR	NR	NR	0
DRYCLEANERS	0.250		0	0	NR	NR	NR	0
NPDES	0.001		0	NR	NR	NR	NR	0
PERMITS	0.001		0	NR	NR	NR	NR	0
UIC	0.001		0	NR	NR	NR	NR	0
MINES MRDS	0.001		0	NR	NR	NR	NR	0

### EDR HIGH RISK HISTORICAL RECORDS

#### *EDR Exclusive Records*

EDR MGP	1.000		0	0	0	0	NR	0
EDR Hist Auto	0.125		1	NR	NR	NR	NR	1
EDR Hist Cleaner	0.125		0	NR	NR	NR	NR	0

### EDR RECOVERED GOVERNMENT ARCHIVES

#### *Exclusive Recovered Govt. Archives*

RGA HWS	0.001		0	NR	NR	NR	NR	0
RGA LF	0.001		0	NR	NR	NR	NR	0

## MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
RGA LUST	0.001		0	NR	NR	NR	NR	0
- Totals --		0	1	2	1	1	0	5

### NOTES:

TP = Target Property

NR = Not Requested at this Search Distance

Sites may be listed in more than one database

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

1  
NNW  
< 1/8  
0.106 mi.  
559 ft.

R A RALLY INC  
7590 HACKS CROSS RD  
OLIVE BRANCH, MS 38654

EDR Hist Auto 1021171158  
N/A

Relative:  
Higher

EDR Hist Auto

Actual:  
411 ft.

Year: Name:  
1995 R A RALLY INC  
1998 R A RALLY INC  
1999 R A RALLY INC  
2000 R A RALLY INC  
2001 R A RALLY INC  
2002 R A RALLY INC  
2003 R A RALLY INC  
2004 RA RALLY INC  
2009 RA RALLY INC  
2010 RA RALLY INC  
2011 RA RALLY INC  
2012 RA RALLY INC  
2014 RA RALLY INC

Type:  
Convenience Stores  
Convenience Stores  
Convenience Stores  
Convenience Stores  
Convenience Stores  
Convenience Stores  
Convenience Stores  
Convenience Stores  
Convenience Stores  
Convenience Stores  
Convenience Stores  
Convenience Stores  
Convenience Stores

2  
North  
1/8-1/4  
0.180 mi.  
951 ft.

HACKS CROSS EXPRESS(HACKS CROSS EXPRESS LLC)  
7641 HACKS CROSS ROAD  
OLIVE BRANCH, MS

UST U004320870  
N/A

Relative:  
Higher

UST:

Actual:  
413 ft.

Name: HACKS CROSS EXPRESS(HACKS CROSS EXPRESS LLC)  
Address: 7641 HACKS CROSS ROAD  
City,State,Zip: OLIVE BRANCH, MS  
Facility ID: 13231  
Facility Status: Not reported  
Latitude: Not reported  
Longitude: Not reported  
Permanently Out of Use Tanks: 0  
Active Tanks: 0  
Owner Name: Notice of Planned UST System Modification/Installation  
Release Status: No Release  
Temp Out of Use Indef: 0  
Temp Out of Use: 0  
Total Tanks: 0

3  
ESE  
1/8-1/4  
0.244 mi.  
1289 ft.

HOLIDAY INN EXECUTIVE CONFERENCE CENTER  
OLIVE BRANCH, MS

SHWS S106593091  
N/A

Relative:  
Higher

SHWS:

Actual:  
417 ft.

Name: HOLIDAY INN EXECUTIVE CONFERENCE CENTER  
Address: Not reported  
City,State,Zip: OLIVE BRANCH, MS  
Lat/Long (dms): 34 58 2 / 89 47 26  
Site Size (acres): <1  
EPA ID: Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**HOLIDAY INN EXECUTIVE CONFERENCE CENTER (Continued)**

**S106593091**

Project Manager: Not reported  
**Status:** **SNFA**  
State No Further Action Date: 10/12/2006  
Federal: Not reported  
Federal No Further Action Date: Not reported  
Soil Contamination: Yes  
Surface Water Contamination: No  
Ground Water Contamination: No  
Remediation Type: Not reported  
Surface Water Remediation: Not reported  
GW Remediation Type: Not reported  
Maj. Contaminant: TPH  
High Concentration: 1.81E+01  
High Concentration Units: mg/kg  
Institutional Control: Not reported  
Engineering Control: Not reported  
Voluntary Cleanups: Not reported

**4**  
**SW**  
**1/4-1/2**  
**0.326 mi.**  
**1720 ft.**

**OLIVE BRANCH RADIO RELAY STATION**  
**HIGHWAY 309 MT PLEASANT ROAD**  
**OLIVE BRANCH, MS**

**LUST** **U001295284**  
**UST** **N/A**

**Relative:**  
**Lower**

**Actual:**  
**389 ft.**

**LUST:**  
Name: OLIVE BRANCH RADIO RELAY STATION  
Address: HIGHWAY 309 MT PLEASANT ROAD  
City,State,Zip: OLIVE BRANCH, MS 38654  
Facility Id: 4418  
Facility Status: Inactive  
Lust Status: Closed  
AID: 31622  
Event #: 1  
Project Manager: Sharon Vinson  
Date Of Report: 09/30/1994  
Trust Fund Status: STFS  
Confirmed On: 09/30/1994  
NFA Date: 03/21/1996

**UST:**

Name: OLIVE BRANCH RADIO RELAY STATION  
Address: HIGHWAY 309 MT PLEASANT ROAD  
City,State,Zip: OLIVE BRANCH, MS  
Facility ID: 4418  
Facility Status: INACTIVE  
Latitude: 34d-57m-5.98 s  
Longitude: 89d-47m-54.73s  
Permanently Out of Use Tanks: 2  
Active Tanks: 0  
Owner Name: A T & T Communications Inc  
Release Status: No Release  
Temp Out of Use Indef: 0  
Temp Out of Use: 0  
Total Tanks: 2

**Piping Detail prior to 12/18/2019:**

Tank Number: 1  
Tank ID: 11091



Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**OLIVE BRANCH RADIO RELAY STATION (Continued)**

**U001295284**

Pipe ID: 1  
Pipe Status: Permanently Out of Use  
Type Of Closure: Closed  
Type Of Closure 2: Closed  
Pipe Material Construction: Copper  
Piping Type: U.S. Suction  
Pipe Leak Detection: Deferred

Tank Number: 2  
Tank ID: 11092  
Pipe ID: 2  
Pipe Status: Permanently Out of Use  
Type Of Closure: Closed  
Type Of Closure 2: Closed  
Pipe Material Construction: Copper  
Piping Type: U.S. Suction  
Pipe Leak Detection: Visual Interstitial Monitoring

**Tank Detail prior to 12/18/2019:**

Tank ID: 11091  
Tank Number: 1  
Tank Status: Permanently Out of Use  
Installation Date: 01/01/1970  
Tank Capacity: 1000  
Substance: Diesel  
Closure: Closed  
Removal Date: 07/11/1990  
Closure Date: 02/22/1994  
Tank Material: Asphalt Coated or Bare Steel  
Second Containment: None  
Tank Lead Detection: Deferred  
Overfill Protection: No  
Spill Prevention: No  
Owner Name: A T & T Communications Inc  
Owner Address: Southeast Region Tank Manager  
Owner City: Dallas  
Owner Telephone: (214)464-7046  
Status: Inactive  
Latitude: 34 57' 5.9800"  
Longitude: 89 47' 54.7300"  
Permanently Out of Use Tanks: 2  
Active Tanks: 0  
Reported Release: Yes

Tank ID: 11092  
Tank Number: 2  
Tank Status: Permanently Out of Use  
Installation Date: 08/30/1990  
Tank Capacity: 1000  
Substance: Diesel  
Closure: Closed  
Removal Date: 02/22/1994  
Closure Date: 02/22/1994  
Tank Material: Epoxy Coated Steel  
Second Containment: Double-Walled/Cathodically Protected  
Tank Lead Detection: Electronic Interstitial Monitoring  
Overfill Protection: Yes

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**OLIVE BRANCH RADIO RELAY STATION (Continued)**

**U001295284**

Spill Prevention: Yes  
Owner Name: A T & T Communications Inc  
Owner Address: Southeast Region Tank Manager  
Owner City: Dallas  
Owner Telephone: (214)464-7046  
Status: Inactive  
Latitude: 34 57' 5.9800"  
Longitude: 89 47' 54.7300"  
Permanently Out of Use Tanks: 2  
Active Tanks: 0  
Reported Release: Yes

**5**  
**North**  
**1/2-1**  
**0.679 mi.**  
**3583 ft.**

**AMERICAN HELMITIN TANK FARM**

**SHWS S103920152**  
**VCP N/A**

**OLIVE BRANCH, MS**

**Relative:**  
**Lower**

**Actual:**  
**410 ft.**

**SHWS:**  
Name: AMERICAN HELMITIN TANK FARM  
Address: Not reported  
City,State,Zip: OLIVE BRANCH, MS  
Lat/Long (dms): 34 58 46 / 89 47 33  
Site Size (acres): 3  
EPA ID: Not reported  
Project Manager: Not reported  
**Status:** **SNFA**  
State No Further Action Date: 06/30/2015  
Federal: Not reported  
Federal No Further Action Date: Not reported  
Soil Contamination: Yes  
Surface Water Contamination: No  
Ground Water Contamination: Yes  
Remediation Type: DPE  
Surface Water Remediation: Not reported  
GW Remediation Type: PT  
Maj. Contaminant: 1,1-Dichloroethene  
High Concentration: 2.02E+01  
High Concentration Units: mg/L  
Institutional Control: Not reported  
Engineering Control: Not reported  
Voluntary Cleanups: VEP

**VCP:**

Name: AMERICAN HELMITIN TANK FARM  
Address: Not reported  
City,State,Zip: OLIVE BRANCH, MS  
Voluntary Cleanup VEP or BF: VEP

Count: 0 records.

ORPHAN SUMMARY

City	EDR ID	Site Name	Site Address	Zip	Database(s)
NO SITES FOUND					

## GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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

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

### STANDARD ENVIRONMENTAL RECORDS

#### ***Federal NPL site list***

##### **NPL: National Priority List**

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

Date of Government Version: 07/29/2020	Source: EPA
Date Data Arrived at EDR: 08/03/2020	Telephone: N/A
Date Made Active in Reports: 08/25/2020	Last EDR Contact: 10/01/2020
Number of Days to Update: 22	Next Scheduled EDR Contact: 01/11/2021
	Data Release Frequency: Quarterly

##### **NPL Site Boundaries**

###### **Sources:**

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

EPA Region 1  
Telephone 617-918-1143

EPA Region 6  
Telephone: 214-655-6659

EPA Region 3  
Telephone 215-814-5418

EPA Region 7  
Telephone: 913-551-7247

EPA Region 4  
Telephone 404-562-8033

EPA Region 8  
Telephone: 303-312-6774

EPA Region 5  
Telephone 312-886-6686

EPA Region 9  
Telephone: 415-947-4246

EPA Region 10  
Telephone 206-553-8665

##### **Proposed NPL: Proposed National Priority List Sites**

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

Date of Government Version: 07/29/2020	Source: EPA
Date Data Arrived at EDR: 08/03/2020	Telephone: N/A
Date Made Active in Reports: 08/25/2020	Last EDR Contact: 10/02/2020
Number of Days to Update: 22	Next Scheduled EDR Contact: 01/11/2021
	Data Release Frequency: Quarterly

##### **NPL LIENS: Federal Superfund Liens**

Federal Superfund Liens. Under the authority granted the USEPA by CERCLA of 1980, the USEPA has the authority to file liens against real property in order to recover remedial action expenditures or when the property owner received notification of potential liability. USEPA compiles a listing of filed notices of Superfund Liens.

## GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 10/15/1991  
Date Data Arrived at EDR: 02/02/1994  
Date Made Active in Reports: 03/30/1994  
Number of Days to Update: 56

Source: EPA  
Telephone: 202-564-4267  
Last EDR Contact: 08/15/2011  
Next Scheduled EDR Contact: 11/28/2011  
Data Release Frequency: No Update Planned

### ***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: 07/29/2020  
Date Data Arrived at EDR: 08/03/2020  
Date Made Active in Reports: 08/25/2020  
Number of Days to Update: 22

Source: EPA  
Telephone: N/A  
Last EDR Contact: 10/01/2020  
Next Scheduled EDR Contact: 01/11/2021  
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: 04/03/2019  
Date Data Arrived at EDR: 04/05/2019  
Date Made Active in Reports: 05/14/2019  
Number of Days to Update: 39

Source: Environmental Protection Agency  
Telephone: 703-603-8704  
Last EDR Contact: 10/02/2020  
Next Scheduled EDR Contact: 01/11/2021  
Data Release Frequency: Varies

SEMS: Superfund Enterprise Management System

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

Date of Government Version: 07/29/2020  
Date Data Arrived at EDR: 08/03/2020  
Date Made Active in Reports: 08/25/2020  
Number of Days to Update: 22

Source: EPA  
Telephone: 800-424-9346  
Last EDR Contact: 10/02/2020  
Next Scheduled EDR Contact: 01/25/2021  
Data Release Frequency: Quarterly

### ***Federal CERCLIS NFRAP site list***

SEMS-ARCHIVE: Superfund Enterprise Management System Archive



## GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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

Date of Government Version: 07/29/2020  
Date Data Arrived at EDR: 08/03/2020  
Date Made Active in Reports: 08/25/2020  
Number of Days to Update: 22

Source: EPA  
Telephone: 800-424-9346  
Last EDR Contact: 10/06/2020  
Next Scheduled EDR Contact: 01/25/2021  
Data Release Frequency: Quarterly

### ***Federal RCRA CORRACTS facilities list***

CORRACTS: Corrective Action Report

CORRACTS identifies hazardous waste handlers with RCRA corrective action activity.

Date of Government Version: 06/15/2020  
Date Data Arrived at EDR: 06/22/2020  
Date Made Active in Reports: 09/17/2020  
Number of Days to Update: 87

Source: EPA  
Telephone: 800-424-9346  
Last EDR Contact: 09/22/2020  
Next Scheduled EDR Contact: 01/04/2021  
Data Release Frequency: Quarterly

### ***Federal RCRA non-CORRACTS TSD facilities list***

RCRA-TSDF: RCRA - Treatment, Storage and Disposal

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

Date of Government Version: 06/15/2020  
Date Data Arrived at EDR: 06/22/2020  
Date Made Active in Reports: 09/18/2020  
Number of Days to Update: 88

Source: Environmental Protection Agency  
Telephone: (404) 562-8651  
Last EDR Contact: 09/22/2020  
Next Scheduled EDR Contact: 01/04/2021  
Data Release Frequency: Quarterly

### ***Federal RCRA generators list***

RCRA-LQG: RCRA - Large Quantity Generators

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

Date of Government Version: 06/15/2020  
Date Data Arrived at EDR: 06/22/2020  
Date Made Active in Reports: 09/18/2020  
Number of Days to Update: 88

Source: Environmental Protection Agency  
Telephone: (404) 562-8651  
Last EDR Contact: 09/22/2020  
Next Scheduled EDR Contact: 01/04/2021  
Data Release Frequency: Quarterly

## GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

### RCRA-SQG: RCRA - Small Quantity Generators

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

Date of Government Version: 06/15/2020	Source: Environmental Protection Agency
Date Data Arrived at EDR: 06/22/2020	Telephone: (404) 562-8651
Date Made Active in Reports: 09/18/2020	Last EDR Contact: 09/22/2020
Number of Days to Update: 88	Next Scheduled EDR Contact: 01/04/2021
	Data Release Frequency: Quarterly

### RCRA-VSQG: RCRA - Very Small Quantity Generators (Formerly 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). Very small quantity generators (VSQGs) generate less than 100 kg of hazardous waste, or less than 1 kg of acutely hazardous waste per month.

Date of Government Version: 06/15/2020	Source: Environmental Protection Agency
Date Data Arrived at EDR: 06/22/2020	Telephone: (404) 562-8651
Date Made Active in Reports: 09/18/2020	Last EDR Contact: 09/22/2020
Number of Days to Update: 88	Next Scheduled EDR Contact: 01/04/2021
	Data Release Frequency: Quarterly

### *Federal institutional controls / engineering controls registries*

#### LUCIS: Land Use Control Information System

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

Date of Government Version: 05/15/2020	Source: Department of the Navy
Date Data Arrived at EDR: 05/19/2020	Telephone: 843-820-7326
Date Made Active in Reports: 06/18/2020	Last EDR Contact: 08/04/2020
Number of Days to Update: 30	Next Scheduled EDR Contact: 11/23/2020
	Data Release Frequency: Varies

#### US ENG CONTROLS: Engineering Controls Sites List

A listing of sites with engineering controls in place. Engineering controls include various forms of caps, building foundations, liners, and treatment methods to create pathway elimination for regulated substances to enter environmental media or effect human health.

Date of Government Version: 02/13/2020	Source: Environmental Protection Agency
Date Data Arrived at EDR: 02/20/2020	Telephone: 703-603-0695
Date Made Active in Reports: 05/15/2020	Last EDR Contact: 08/24/2020
Number of Days to Update: 85	Next Scheduled EDR Contact: 12/07/2020
	Data Release Frequency: Varies

#### US INST CONTROLS: Institutional Controls Sites List

A listing of sites with institutional controls in place. Institutional controls include administrative measures, such as groundwater use restrictions, construction restrictions, property use restrictions, and post remediation care requirements intended to prevent exposure to contaminants remaining on site. Deed restrictions are generally required as part of the institutional controls.

Date of Government Version: 02/13/2020	Source: Environmental Protection Agency
Date Data Arrived at EDR: 02/20/2020	Telephone: 703-603-0695
Date Made Active in Reports: 05/15/2020	Last EDR Contact: 08/24/2020
Number of Days to Update: 85	Next Scheduled EDR Contact: 12/07/2020
	Data Release Frequency: Varies

## GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

### ***Federal ERNS list***

ERNS: Emergency Response Notification System

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

Date of Government Version: 06/15/2020  
Date Data Arrived at EDR: 06/22/2020  
Date Made Active in Reports: 09/17/2020  
Number of Days to Update: 87

Source: National Response Center, United States Coast Guard  
Telephone: 202-267-2180  
Last EDR Contact: 09/22/2020  
Next Scheduled EDR Contact: 01/04/2021  
Data Release Frequency: Quarterly

### ***State- and tribal - equivalent CERCLIS***

SHWS: CERCLA/Uncontrolled Sites File List

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

Date of Government Version: 06/03/2020  
Date Data Arrived at EDR: 06/23/2020  
Date Made Active in Reports: 09/09/2020  
Number of Days to Update: 78

Source: Department of Environmental Quality  
Telephone: 601-961-5666  
Last EDR Contact: 09/23/2020  
Next Scheduled EDR Contact: 01/04/2021  
Data Release Frequency: Quarterly

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

SWF/LF: Solid Waste Landfills

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: 04/12/2018  
Date Data Arrived at EDR: 05/23/2018  
Date Made Active in Reports: 06/28/2018  
Number of Days to Update: 36

Source: Department of Environmental Quality  
Telephone: 601-961-5082  
Last EDR Contact: 08/21/2020  
Next Scheduled EDR Contact: 11/30/2020  
Data Release Frequency: Varies

DEBRIS: Debris Site Locations Listing

A listing of Hurricane Katrina debris disposal site locations. Not all of these sites were approved or utilized. Please note that the list includes a number of different types of sites including vegetative debris burn, chip, staging and disposal sites as well as structural debris staging and disposal sites.

Date of Government Version: 06/17/2008  
Date Data Arrived at EDR: 06/17/2008  
Date Made Active in Reports: 07/31/2008  
Number of Days to Update: 44

Source: Department of Environmental Quality  
Telephone: 601-961-5726  
Last EDR Contact: 08/11/2020  
Next Scheduled EDR Contact: 11/30/2020  
Data Release Frequency: Varies

### ***State and tribal leaking storage tank lists***

LUST: Leaking Underground Storage Tank Database

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: 12/18/2019  
Date Data Arrived at EDR: 12/19/2019  
Date Made Active in Reports: 03/02/2020  
Number of Days to Update: 74

Source: Department of Environmental Quality  
Telephone: 601-961-5058  
Last EDR Contact: 09/04/2020  
Next Scheduled EDR Contact: 01/04/2021  
Data Release Frequency: Quarterly

## GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

INDIAN LUST R10: Leaking Underground Storage Tanks on Indian Land  
LUSTs on Indian land in Alaska, Idaho, Oregon and Washington.

Date of Government Version: 04/14/2020	Source: EPA Region 10
Date Data Arrived at EDR: 05/20/2020	Telephone: 206-553-2857
Date Made Active in Reports: 08/12/2020	Last EDR Contact: 10/23/2020
Number of Days to Update: 84	Next Scheduled EDR Contact: 02/01/2021
	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: 04/14/2020	Source: EPA Region 8
Date Data Arrived at EDR: 05/20/2020	Telephone: 303-312-6271
Date Made Active in Reports: 08/12/2020	Last EDR Contact: 10/23/2020
Number of Days to Update: 84	Next Scheduled EDR Contact: 02/01/2021
	Data Release Frequency: Varies

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

Date of Government Version: 04/08/2020	Source: EPA Region 6
Date Data Arrived at EDR: 05/20/2020	Telephone: 214-665-6597
Date Made Active in Reports: 08/12/2020	Last EDR Contact: 10/23/2020
Number of Days to Update: 84	Next Scheduled EDR Contact: 02/01/2021
	Data Release Frequency: Varies

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

Date of Government Version: 04/29/2020	Source: EPA Region 1
Date Data Arrived at EDR: 05/20/2020	Telephone: 617-918-1313
Date Made Active in Reports: 08/12/2020	Last EDR Contact: 10/23/2020
Number of Days to Update: 84	Next Scheduled EDR Contact: 02/01/2021
	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: 04/14/2020	Source: EPA, Region 5
Date Data Arrived at EDR: 05/20/2020	Telephone: 312-886-7439
Date Made Active in Reports: 08/12/2020	Last EDR Contact: 10/23/2020
Number of Days to Update: 84	Next Scheduled EDR Contact: 02/01/2021
	Data Release Frequency: Varies

INDIAN LUST R9: Leaking Underground Storage Tanks on Indian Land  
LUSTs on Indian land in Arizona, California, New Mexico and Nevada

Date of Government Version: 04/08/2020	Source: Environmental Protection Agency
Date Data Arrived at EDR: 05/20/2020	Telephone: 415-972-3372
Date Made Active in Reports: 08/12/2020	Last EDR Contact: 10/23/2020
Number of Days to Update: 84	Next Scheduled EDR Contact: 02/01/2021
	Data Release Frequency: Varies

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

Date of Government Version: 04/14/2020	Source: EPA Region 4
Date Data Arrived at EDR: 05/26/2020	Telephone: 404-562-8677
Date Made Active in Reports: 08/12/2020	Last EDR Contact: 10/23/2020
Number of Days to Update: 78	Next Scheduled EDR Contact: 02/01/2021
	Data Release Frequency: Varies

## GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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

Date of Government Version: 04/15/2020	Source: EPA Region 7
Date Data Arrived at EDR: 05/20/2020	Telephone: 913-551-7003
Date Made Active in Reports: 08/12/2020	Last EDR Contact: 10/23/2020
Number of Days to Update: 84	Next Scheduled EDR Contact: 02/01/2021
	Data Release Frequency: Varies

### **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: 02/01/2020	Source: FEMA
Date Data Arrived at EDR: 03/19/2020	Telephone: 202-646-5797
Date Made Active in Reports: 06/09/2020	Last EDR Contact: 10/01/2020
Number of Days to Update: 82	Next Scheduled EDR Contact: 01/18/2021
	Data Release Frequency: Varies

UST: Underground Storage Tanks

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

Date of Government Version: 07/21/2020	Source: Department of Environmental Quality
Date Data Arrived at EDR: 07/22/2020	Telephone: 601-961-5058
Date Made Active in Reports: 09/11/2020	Last EDR Contact: 09/21/2020
Number of Days to Update: 51	Next Scheduled EDR Contact: 01/04/2021
	Data Release Frequency: Quarterly

AST: Aboveground Storage Tanks

Aboveground storage tanks regulated by the Department of Agriculture & Commerce. The tanks contents will be gasoline, diesel, racing fuel or kerosene.

Date of Government Version: 05/21/2020	Source: Department of Agriculture & Commerce
Date Data Arrived at EDR: 05/22/2020	Telephone: 601-359-1101
Date Made Active in Reports: 08/06/2020	Last EDR Contact: 08/11/2020
Number of Days to Update: 76	Next Scheduled EDR Contact: 11/30/2020
	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: 04/14/2020	Source: EPA Region 4
Date Data Arrived at EDR: 05/26/2020	Telephone: 404-562-9424
Date Made Active in Reports: 08/12/2020	Last EDR Contact: 10/23/2020
Number of Days to Update: 78	Next Scheduled EDR Contact: 02/01/2021
	Data Release Frequency: Varies

INDIAN UST R5: Underground Storage Tanks on Indian Land

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

Date of Government Version: 04/14/2020	Source: EPA Region 5
Date Data Arrived at EDR: 05/20/2020	Telephone: 312-886-6136
Date Made Active in Reports: 08/12/2020	Last EDR Contact: 10/23/2020
Number of Days to Update: 84	Next Scheduled EDR Contact: 02/01/2021
	Data Release Frequency: Varies

## GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

### INDIAN UST R10: Underground Storage Tanks on Indian Land

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

Date of Government Version: 04/14/2020	Source: EPA Region 10
Date Data Arrived at EDR: 05/20/2020	Telephone: 206-553-2857
Date Made Active in Reports: 08/12/2020	Last EDR Contact: 10/23/2020
Number of Days to Update: 84	Next Scheduled EDR Contact: 02/01/2021
	Data Release Frequency: Varies

### INDIAN UST R8: Underground Storage Tanks on Indian Land

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

Date of Government Version: 04/14/2020	Source: EPA Region 8
Date Data Arrived at EDR: 05/20/2020	Telephone: 303-312-6137
Date Made Active in Reports: 08/13/2020	Last EDR Contact: 10/23/2020
Number of Days to Update: 85	Next Scheduled EDR Contact: 02/01/2021
	Data Release Frequency: Varies

### INDIAN UST R9: Underground Storage Tanks on Indian Land

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

Date of Government Version: 04/08/2020	Source: EPA Region 9
Date Data Arrived at EDR: 05/20/2020	Telephone: 415-972-3368
Date Made Active in Reports: 08/12/2020	Last EDR Contact: 10/23/2020
Number of Days to Update: 84	Next Scheduled EDR Contact: 02/01/2021
	Data Release Frequency: Varies

### INDIAN UST R1: Underground Storage Tanks on Indian Land

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

Date of Government Version: 04/29/2020	Source: EPA, Region 1
Date Data Arrived at EDR: 05/20/2020	Telephone: 617-918-1313
Date Made Active in Reports: 08/12/2020	Last EDR Contact: 10/23/2020
Number of Days to Update: 84	Next Scheduled EDR Contact: 02/01/2021
	Data Release Frequency: Varies

### INDIAN UST R6: Underground Storage Tanks on Indian Land

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

Date of Government Version: 04/08/2020	Source: EPA Region 6
Date Data Arrived at EDR: 05/20/2020	Telephone: 214-665-7591
Date Made Active in Reports: 08/12/2020	Last EDR Contact: 10/23/2020
Number of Days to Update: 84	Next Scheduled EDR Contact: 02/01/2021
	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: 04/03/2020	Source: EPA Region 7
Date Data Arrived at EDR: 05/20/2020	Telephone: 913-551-7003
Date Made Active in Reports: 08/12/2020	Last EDR Contact: 10/23/2020
Number of Days to Update: 84	Next Scheduled EDR Contact: 02/01/2021
	Data Release Frequency: Varies



## GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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

#### **ENG CONTROLS:** Sites with Engineering Controls

Sites included on the CERCLA/Uncontrolled Sites File List that have Engineering Controls. Engineering Controls encompass a variety of engineered remedies to contain and/or reduce contamination, and/or physical barriers intended to limit access to property. ECs include fences, signs, guards, landfill caps, provision of potable water, slurry walls, sheet pile (vertical caps), pumping and treatment of groundwater, monitoring wells, and vapor extraction systems

Date of Government Version: 06/03/2020  
Date Data Arrived at EDR: 06/23/2020  
Date Made Active in Reports: 09/09/2020  
Number of Days to Update: 78

Source: Department of Environmental Quality  
Telephone: 601-961-5666  
Last EDR Contact: 09/23/2020  
Next Scheduled EDR Contact: 01/04/2021  
Data Release Frequency: Quarterly

#### **INST CONTROL:** Sites with Institutional Controls

Sites included on the CERCLA/Uncontrolled Sites File List that have Institutional Controls. Institutional Controls are non-engineered instruments, such as administrative and/or legal controls, that help minimize the potential for human exposure to contamination and/or protect the integrity of a remedy by limiting land or resource use

Date of Government Version: 06/03/2020  
Date Data Arrived at EDR: 06/23/2020  
Date Made Active in Reports: 09/09/2020  
Number of Days to Update: 78

Source: Department of Environmental Quality  
Telephone: 601-961-5666  
Last EDR Contact: 09/23/2020  
Next Scheduled EDR Contact: 01/04/2021  
Data Release Frequency: Quarterly

### ***State and tribal voluntary cleanup sites***

#### **VCP:** Voluntary Evaluation Program Sites

The Voluntary Evaluation Program allows accepted parties the opportunity to participate in a program that will expedite the evaluation of the site information.

Date of Government Version: 06/03/2020  
Date Data Arrived at EDR: 06/23/2020  
Date Made Active in Reports: 09/09/2020  
Number of Days to Update: 78

Source: Department of Environmental Quality  
Telephone: 601-961-5063  
Last EDR Contact: 09/23/2020  
Next Scheduled EDR Contact: 01/04/2021  
Data Release Frequency: Quarterly

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

Source: EPA, Region 1  
Telephone: 617-918-1102  
Last EDR Contact: 09/16/2020  
Next Scheduled EDR Contact: 01/04/2021  
Data Release Frequency: Varies

### ***State and tribal Brownfields sites***

#### **BROWNFIELDS:** Uncontrolled Sites List

A listing of sites from the Uncontrolled Sites List that are currently in the Mississippi Brownfields Program (which means that they are pursuing liability protection and paying for MDEQ oversight costs).

## GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 06/03/2020  
Date Data Arrived at EDR: 06/23/2020  
Date Made Active in Reports: 09/09/2020  
Number of Days to Update: 78

Source: Department of Environmental Quality  
Telephone: 601-961-5666  
Last EDR Contact: 09/23/2020  
Next Scheduled EDR Contact: 01/04/2021  
Data Release Frequency: Quarterly

### **ADDITIONAL ENVIRONMENTAL RECORDS**

#### ***Local Brownfield lists***

##### **US BROWNFIELDS: A Listing of Brownfields Sites**

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

Date of Government Version: 06/01/2020  
Date Data Arrived at EDR: 06/02/2020  
Date Made Active in Reports: 06/09/2020  
Number of Days to Update: 7

Source: Environmental Protection Agency  
Telephone: 202-566-2777  
Last EDR Contact: 09/15/2020  
Next Scheduled EDR Contact: 12/28/2020  
Data Release Frequency: Semi-Annually

#### ***Local Lists of Landfill / Solid Waste Disposal Sites***

##### **SWTIRE: Commercial Waste Tire Haulers**

A listing of commercial waste tire haulers.

Date of Government Version: 05/15/2020  
Date Data Arrived at EDR: 05/15/2020  
Date Made Active in Reports: 08/03/2020  
Number of Days to Update: 80

Source: Department of Environmental Quality  
Telephone: 601-961-5726  
Last EDR Contact: 10/28/2020  
Next Scheduled EDR Contact: 02/15/2021  
Data Release Frequency: Varies

##### **SWRCY: Mississippi Recycling Directory**

A listing of recycling facilities.

Date of Government Version: 08/29/2018  
Date Data Arrived at EDR: 11/19/2018  
Date Made Active in Reports: 12/19/2018  
Number of Days to Update: 30

Source: Department of Environmental Quality  
Telephone: 601-961-5005  
Last EDR Contact: 08/21/2020  
Next Scheduled EDR Contact: 11/30/2020  
Data Release Frequency: Varies

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

Location of open dumps on Indian land.

Date of Government Version: 12/31/1998  
Date Data Arrived at EDR: 12/03/2007  
Date Made Active in Reports: 01/24/2008  
Number of Days to Update: 52

Source: Environmental Protection Agency  
Telephone: 703-308-8245  
Last EDR Contact: 10/20/2020  
Next Scheduled EDR Contact: 02/08/2021  
Data Release Frequency: Varies

##### **ODI: Open Dump Inventory**

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

Date of Government Version: 06/30/1985  
Date Data Arrived at EDR: 08/09/2004  
Date Made Active in Reports: 09/17/2004  
Number of Days to Update: 39

Source: Environmental Protection Agency  
Telephone: 800-424-9346  
Last EDR Contact: 06/09/2004  
Next Scheduled EDR Contact: N/A  
Data Release Frequency: No Update Planned

## GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

### 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: 10/13/2020
Number of Days to Update: 137	Next Scheduled EDR Contact: 02/01/2021
	Data Release Frequency: No Update Planned

### IHS OPEN DUMPS: Open Dumps on Indian Land

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

Date of Government Version: 04/01/2014	Source: Department of Health & Human Services, Indian Health Service
Date Data Arrived at EDR: 08/06/2014	Telephone: 301-443-1452
Date Made Active in Reports: 01/29/2015	Last EDR Contact: 10/30/2020
Number of Days to Update: 176	Next Scheduled EDR Contact: 02/08/2021
	Data Release Frequency: Varies

### **Local Lists of Hazardous waste / Contaminated Sites**

#### US HIST CDL: National Clandestine Laboratory Register

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

Date of Government Version: 03/18/2020	Source: Drug Enforcement Administration
Date Data Arrived at EDR: 03/19/2020	Telephone: 202-307-1000
Date Made Active in Reports: 06/09/2020	Last EDR Contact: 08/19/2020
Number of Days to Update: 82	Next Scheduled EDR Contact: 12/07/2020
	Data Release Frequency: No Update Planned

#### 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: 03/18/2020	Source: Drug Enforcement Administration
Date Data Arrived at EDR: 03/19/2020	Telephone: 202-307-1000
Date Made Active in Reports: 06/09/2020	Last EDR Contact: 08/19/2020
Number of Days to Update: 82	Next Scheduled EDR Contact: 12/07/2020
	Data Release Frequency: Quarterly

### **Local Land Records**

#### LIENS 2: CERCLA Lien Information

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

Date of Government Version: 07/29/2020	Source: Environmental Protection Agency
Date Data Arrived at EDR: 08/03/2020	Telephone: 202-564-6023
Date Made Active in Reports: 08/25/2020	Last EDR Contact: 10/01/2020
Number of Days to Update: 22	Next Scheduled EDR Contact: 01/11/2021
	Data Release Frequency: Semi-Annually

### **Records of Emergency Release Reports**

## GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

### HMIRS: Hazardous Materials Information Reporting System

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

Date of Government Version: 06/22/2020	Source: U.S. Department of Transportation
Date Data Arrived at EDR: 06/23/2020	Telephone: 202-366-4555
Date Made Active in Reports: 09/17/2020	Last EDR Contact: 09/22/2020
Number of Days to Update: 86	Next Scheduled EDR Contact: 01/04/2021
	Data Release Frequency: Quarterly

### 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: 06/15/2020	Source: Environmental Protection Agency
Date Data Arrived at EDR: 06/22/2020	Telephone: (404) 562-8651
Date Made Active in Reports: 09/18/2020	Last EDR Contact: 09/22/2020
Number of Days to Update: 88	Next Scheduled EDR Contact: 01/04/2021
	Data Release Frequency: Quarterly

#### FUDS: Formerly Used Defense Sites

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

Date of Government Version: 08/05/2020	Source: U.S. Army Corps of Engineers
Date Data Arrived at EDR: 08/13/2020	Telephone: 202-528-4285
Date Made Active in Reports: 10/21/2020	Last EDR Contact: 08/13/2020
Number of Days to Update: 69	Next Scheduled EDR Contact: 11/30/2020
	Data Release Frequency: Varies

#### DOD: Department of Defense Sites

This data set consists of federally owned or administered lands, administered by the Department of Defense, that have any area equal to or greater than 640 acres of the United States, Puerto Rico, and the U.S. Virgin Islands.

Date of Government Version: 12/31/2005	Source: USGS
Date Data Arrived at EDR: 11/10/2006	Telephone: 888-275-8747
Date Made Active in Reports: 01/11/2007	Last EDR Contact: 10/13/2020
Number of Days to Update: 62	Next Scheduled EDR Contact: 01/25/2021
	Data Release Frequency: Semi-Annually

#### FEDLAND: Federal and Indian Lands

Federally and Indian administrated lands of the United States. Lands included are administrated by: Army Corps of Engineers, Bureau of Reclamation, National Wild and Scenic River, National Wildlife Refuge, Public Domain Land, Wilderness, Wilderness Study Area, Wildlife Management Area, Bureau of Indian Affairs, Bureau of Land Management, Department of Justice, Forest Service, Fish and Wildlife Service, National Park Service.

Date of Government Version: 04/02/2018	Source: U.S. Geological Survey
Date Data Arrived at EDR: 04/11/2018	Telephone: 888-275-8747
Date Made Active in Reports: 11/06/2019	Last EDR Contact: 10/08/2020
Number of Days to Update: 574	Next Scheduled EDR Contact: 01/18/2021
	Data Release Frequency: N/A

#### SCRD DRYCLEANERS: State Coalition for Remediation of Drycleaners Listing

The State Coalition for Remediation of Drycleaners was established in 1998, with support from the U.S. EPA Office of Superfund Remediation and Technology Innovation. It is comprised of representatives of states with established drycleaner remediation programs. Currently the member states are Alabama, Connecticut, Florida, Illinois, Kansas, Minnesota, Missouri, North Carolina, Oregon, South Carolina, Tennessee, Texas, and Wisconsin.

## GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 01/01/2017  
Date Data Arrived at EDR: 02/03/2017  
Date Made Active in Reports: 04/07/2017  
Number of Days to Update: 63

Source: Environmental Protection Agency  
Telephone: 615-532-8599  
Last EDR Contact: 08/05/2020  
Next Scheduled EDR Contact: 11/23/2020  
Data Release Frequency: Varies

### US FIN ASSUR: Financial Assurance Information

All owners and operators of facilities that treat, store, or dispose of hazardous waste are required to provide proof that they will have sufficient funds to pay for the clean up, closure, and post-closure care of their facilities.

Date of Government Version: 06/15/2020  
Date Data Arrived at EDR: 06/22/2020  
Date Made Active in Reports: 09/10/2020  
Number of Days to Update: 80

Source: Environmental Protection Agency  
Telephone: 202-566-1917  
Last EDR Contact: 09/22/2020  
Next Scheduled EDR Contact: 01/04/2021  
Data Release Frequency: Quarterly

### EPA WATCH LIST: EPA WATCH LIST

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

Date of Government Version: 08/30/2013  
Date Data Arrived at EDR: 03/21/2014  
Date Made Active in Reports: 06/17/2014  
Number of Days to Update: 88

Source: Environmental Protection Agency  
Telephone: 617-520-3000  
Last EDR Contact: 07/31/2020  
Next Scheduled EDR Contact: 11/16/2020  
Data Release Frequency: Quarterly

### 2020 COR ACTION: 2020 Corrective Action Program List

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

Date of Government Version: 09/30/2017  
Date Data Arrived at EDR: 05/08/2018  
Date Made Active in Reports: 07/20/2018  
Number of Days to Update: 73

Source: Environmental Protection Agency  
Telephone: 703-308-4044  
Last EDR Contact: 08/06/2020  
Next Scheduled EDR Contact: 11/16/2020  
Data Release Frequency: Varies

### TSCA: Toxic Substances Control Act

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

Date of Government Version: 12/31/2016  
Date Data Arrived at EDR: 06/17/2020  
Date Made Active in Reports: 09/10/2020  
Number of Days to Update: 85

Source: EPA  
Telephone: 202-260-5521  
Last EDR Contact: 09/18/2020  
Next Scheduled EDR Contact: 12/28/2020  
Data Release Frequency: Every 4 Years

### TRIS: Toxic Chemical Release Inventory System

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

## GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 12/31/2018  
Date Data Arrived at EDR: 02/05/2020  
Date Made Active in Reports: 04/24/2020  
Number of Days to Update: 79

Source: EPA  
Telephone: 202-566-0250  
Last EDR Contact: 08/14/2020  
Next Scheduled EDR Contact: 11/30/2020  
Data Release Frequency: Annually

### SSTS: Section 7 Tracking Systems

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

Date of Government Version: 07/20/2020  
Date Data Arrived at EDR: 07/21/2020  
Date Made Active in Reports: 10/08/2020  
Number of Days to Update: 79

Source: EPA  
Telephone: 202-564-4203  
Last EDR Contact: 10/19/2020  
Next Scheduled EDR Contact: 02/01/2021  
Data Release Frequency: Annually

### ROD: Records Of Decision

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

Date of Government Version: 07/29/2020  
Date Data Arrived at EDR: 08/03/2020  
Date Made Active in Reports: 08/25/2020  
Number of Days to Update: 22

Source: EPA  
Telephone: 703-416-0223  
Last EDR Contact: 10/01/2020  
Next Scheduled EDR Contact: 12/14/2020  
Data Release Frequency: Annually

### RMP: Risk Management Plans

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

Date of Government Version: 07/24/2020  
Date Data Arrived at EDR: 08/03/2020  
Date Made Active in Reports: 10/21/2020  
Number of Days to Update: 79

Source: Environmental Protection Agency  
Telephone: 202-564-8600  
Last EDR Contact: 10/14/2020  
Next Scheduled EDR Contact: 02/01/2021  
Data Release Frequency: Varies

### RAATS: RCRA Administrative Action Tracking System

RCRA Administration Action Tracking System. RAATS contains records based on enforcement actions issued under RCRA pertaining to major violators and includes administrative and civil actions brought by the EPA. For administration actions after September 30, 1995, data entry in the RAATS database was discontinued. EPA will retain a copy of the database for historical records. It was necessary to terminate RAATS because a decrease in agency resources made it impossible to continue to update the information contained in the database.

Date of Government Version: 04/17/1995  
Date Data Arrived at EDR: 07/03/1995  
Date Made Active in Reports: 08/07/1995  
Number of Days to Update: 35

Source: EPA  
Telephone: 202-564-4104  
Last EDR Contact: 06/02/2008  
Next Scheduled EDR Contact: 09/01/2008  
Data Release Frequency: No Update Planned



## GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

### PRP: Potentially Responsible Parties

A listing of verified Potentially Responsible Parties

Date of Government Version: 04/27/2020	Source: EPA
Date Data Arrived at EDR: 05/06/2020	Telephone: 202-564-6023
Date Made Active in Reports: 06/09/2020	Last EDR Contact: 10/01/2020
Number of Days to Update: 34	Next Scheduled EDR Contact: 11/16/2020
	Data Release Frequency: Quarterly

### PADS: PCB Activity Database System

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

Date of Government Version: 10/09/2019	Source: EPA
Date Data Arrived at EDR: 10/11/2019	Telephone: 202-566-0500
Date Made Active in Reports: 12/20/2019	Last EDR Contact: 10/02/2020
Number of Days to Update: 70	Next Scheduled EDR Contact: 01/18/2021
	Data Release Frequency: Annually

### ICIS: Integrated Compliance Information System

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

Date of Government Version: 11/18/2016	Source: Environmental Protection Agency
Date Data Arrived at EDR: 11/23/2016	Telephone: 202-564-2501
Date Made Active in Reports: 02/10/2017	Last EDR Contact: 10/01/2020
Number of Days to Update: 79	Next Scheduled EDR Contact: 01/18/2021
	Data Release Frequency: Quarterly

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

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

Date of Government Version: 04/09/2009	Source: EPA/Office of Prevention, Pesticides and Toxic Substances
Date Data Arrived at EDR: 04/16/2009	Telephone: 202-566-1667
Date Made Active in Reports: 05/11/2009	Last EDR Contact: 08/18/2017
Number of Days to Update: 25	Next Scheduled EDR Contact: 12/04/2017
	Data Release Frequency: No Update Planned

### FTTS INSP: FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act) A listing of FIFRA/TSCA Tracking System (FTTS) inspections and enforcements.

Date of Government Version: 04/09/2009	Source: EPA
Date Data Arrived at EDR: 04/16/2009	Telephone: 202-566-1667
Date Made Active in Reports: 05/11/2009	Last EDR Contact: 08/18/2017
Number of Days to Update: 25	Next Scheduled EDR Contact: 12/04/2017
	Data Release Frequency: No Update Planned

### MLTS: Material Licensing Tracking System

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

Date of Government Version: 08/05/2020	Source: Nuclear Regulatory Commission
Date Data Arrived at EDR: 08/10/2020	Telephone: 301-415-7169
Date Made Active in Reports: 10/08/2020	Last EDR Contact: 10/13/2020
Number of Days to Update: 59	Next Scheduled EDR Contact: 01/31/2021
	Data Release Frequency: Quarterly

## GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

### COAL ASH DOE: Steam-Electric Plant Operation Data

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

Date of Government Version: 12/31/2018	Source: Department of Energy
Date Data Arrived at EDR: 12/04/2019	Telephone: 202-586-8719
Date Made Active in Reports: 01/15/2020	Last EDR Contact: 09/04/2020
Number of Days to Update: 42	Next Scheduled EDR Contact: 12/14/2020
	Data Release Frequency: Varies

### COAL ASH EPA: Coal Combustion Residues Surface Impoundments List

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

Date of Government Version: 01/12/2017	Source: Environmental Protection Agency
Date Data Arrived at EDR: 03/05/2019	Telephone: N/A
Date Made Active in Reports: 11/11/2019	Last EDR Contact: 08/31/2020
Number of Days to Update: 251	Next Scheduled EDR Contact: 12/14/2020
	Data Release Frequency: Varies

### PCB TRANSFORMER: PCB Transformer Registration Database

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

Date of Government Version: 09/13/2019	Source: Environmental Protection Agency
Date Data Arrived at EDR: 11/06/2019	Telephone: 202-566-0517
Date Made Active in Reports: 02/10/2020	Last EDR Contact: 08/06/2020
Number of Days to Update: 96	Next Scheduled EDR Contact: 11/16/2020
	Data Release Frequency: Varies

### RADINFO: Radiation Information Database

The Radiation Information Database (RADINFO) contains information about facilities that are regulated by U.S. Environmental Protection Agency (EPA) regulations for radiation and radioactivity.

Date of Government Version: 07/01/2019	Source: Environmental Protection Agency
Date Data Arrived at EDR: 07/01/2019	Telephone: 202-343-9775
Date Made Active in Reports: 09/23/2019	Last EDR Contact: 09/24/2020
Number of Days to Update: 84	Next Scheduled EDR Contact: 01/11/2021
	Data Release Frequency: Quarterly

### HIST FTTS: FIFRA/TSCA Tracking System Administrative Case Listing

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

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

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

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

## GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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

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

### DOT OPS: Incident and Accident Data

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

Date of Government Version: 01/02/2020  
Date Data Arrived at EDR: 01/28/2020  
Date Made Active in Reports: 04/17/2020  
Number of Days to Update: 80

Source: Department of Transportation, Office of Pipeline Safety  
Telephone: 202-366-4595  
Last EDR Contact: 10/27/2020  
Next Scheduled EDR Contact: 02/08/2021  
Data Release Frequency: Quarterly

### CONSENT: Superfund (CERCLA) Consent Decrees

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

Date of Government Version: 06/30/2020  
Date Data Arrived at EDR: 07/15/2020  
Date Made Active in Reports: 07/21/2020  
Number of Days to Update: 6

Source: Department of Justice, Consent Decree Library  
Telephone: Varies  
Last EDR Contact: 10/01/2020  
Next Scheduled EDR Contact: 01/18/2021  
Data Release Frequency: Varies

### BRS: Biennial Reporting System

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

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

Source: EPA/NTIS  
Telephone: 800-424-9346  
Last EDR Contact: 09/22/2020  
Next Scheduled EDR Contact: 01/04/2021  
Data Release Frequency: Biennially

### INDIAN RESERV: Indian Reservations

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

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

Source: USGS  
Telephone: 202-208-3710  
Last EDR Contact: 10/06/2020  
Next Scheduled EDR Contact: 01/18/2021  
Data Release Frequency: Semi-Annually

### FUSRAP: Formerly Utilized Sites Remedial Action Program

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

Date of Government Version: 08/08/2017  
Date Data Arrived at EDR: 09/11/2018  
Date Made Active in Reports: 09/14/2018  
Number of Days to Update: 3

Source: Department of Energy  
Telephone: 202-586-3559  
Last EDR Contact: 07/28/2020  
Next Scheduled EDR Contact: 11/16/2020  
Data Release Frequency: Varies

### UMTRA: Uranium Mill Tailings Sites

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

## GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 08/30/2019  
Date Data Arrived at EDR: 11/15/2019  
Date Made Active in Reports: 01/28/2020  
Number of Days to Update: 74

Source: Department of Energy  
Telephone: 505-845-0011  
Last EDR Contact: 08/21/2020  
Next Scheduled EDR Contact: 11/30/2020  
Data Release Frequency: Varies

### LEAD SMELTER 1: Lead Smelter Sites

A listing of former lead smelter site locations.

Date of Government Version: 07/29/2020  
Date Data Arrived at EDR: 08/03/2020  
Date Made Active in Reports: 08/25/2020  
Number of Days to Update: 22

Source: Environmental Protection Agency  
Telephone: 703-603-8787  
Last EDR Contact: 10/01/2020  
Next Scheduled EDR Contact: 01/11/2021  
Data Release Frequency: Varies

### LEAD SMELTER 2: Lead Smelter Sites

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

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

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

### US AIRS (AFS): Aerometric Information Retrieval System Facility Subsystem (AFS)

The database is a sub-system of Aerometric Information Retrieval System (AIRS). AFS contains compliance data on air pollution point sources regulated by the U.S. EPA and/or state and local air regulatory agencies. This information comes from source reports by various stationary sources of air pollution, such as electric power plants, steel mills, factories, and universities, and provides information about the air pollutants they produce. Action, air program, air program pollutant, and general level plant data. It is used to track emissions and compliance data from industrial plants.

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

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

### US AIRS MINOR: Air Facility System Data

A listing of minor source facilities.

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

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

### US MINES: Mines Master Index File

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

Date of Government Version: 05/01/2020  
Date Data Arrived at EDR: 05/21/2020  
Date Made Active in Reports: 08/13/2020  
Number of Days to Update: 84

Source: Department of Labor, Mine Safety and Health Administration  
Telephone: 303-231-5959  
Last EDR Contact: 08/25/2020  
Next Scheduled EDR Contact: 12/07/2020  
Data Release Frequency: Semi-Annually

### MINES VIOLATIONS: MSHA Violation Assessment Data

Mines violation and assessment information. Department of Labor, Mine Safety & Health Administration.

## GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 05/28/2020  
Date Data Arrived at EDR: 05/28/2020  
Date Made Active in Reports: 08/13/2020  
Number of Days to Update: 77

Source: DOL, Mine Safety & Health Admin  
Telephone: 202-693-9424  
Last EDR Contact: 09/10/2020  
Next Scheduled EDR Contact: 12/14/2020  
Data Release Frequency: Quarterly

### 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: 05/06/2020  
Date Data Arrived at EDR: 05/27/2020  
Date Made Active in Reports: 08/13/2020  
Number of Days to Update: 78

Source: USGS  
Telephone: 703-648-7709  
Last EDR Contact: 08/28/2020  
Next Scheduled EDR Contact: 12/07/2020  
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: 08/28/2020  
Next Scheduled EDR Contact: 12/07/2020  
Data Release Frequency: Varies

### ABANDONED MINES: Abandoned Mines

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

Date of Government Version: 06/22/2020  
Date Data Arrived at EDR: 06/22/2020  
Date Made Active in Reports: 09/10/2020  
Number of Days to Update: 80

Source: Department of Interior  
Telephone: 202-208-2609  
Last EDR Contact: 09/16/2020  
Next Scheduled EDR Contact: 12/21/2020  
Data Release Frequency: Quarterly

### FINDS: Facility Index System/Facility Registry System

Facility Index System. FINDS contains both facility information and 'pointers' to other sources that contain more detail. EDR includes the following FINDS databases in this report: PCS (Permit Compliance System), AIRS (Aerometric Information Retrieval System), DOCKET (Enforcement Docket used to manage and track information on civil judicial enforcement cases for all environmental statutes), FURS (Federal Underground Injection Control), C-DOCKET (Criminal Docket System used to track criminal enforcement actions for all environmental statutes), FFIS (Federal Facilities Information System), STATE (State Environmental Laws and Statutes), and PADS (PCB Activity Data System).

Date of Government Version: 02/03/2020  
Date Data Arrived at EDR: 03/03/2020  
Date Made Active in Reports: 05/28/2020  
Number of Days to Update: 86

Source: EPA  
Telephone: (404) 562-9900  
Last EDR Contact: 09/15/2020  
Next Scheduled EDR Contact: 12/14/2020  
Data Release Frequency: Quarterly

### ECHO: Enforcement & Compliance History Information

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

Date of Government Version: 06/27/2020  
Date Data Arrived at EDR: 07/02/2020  
Date Made Active in Reports: 09/28/2020  
Number of Days to Update: 88

Source: Environmental Protection Agency  
Telephone: 202-564-2280  
Last EDR Contact: 10/06/2020  
Next Scheduled EDR Contact: 01/18/2021  
Data Release Frequency: Quarterly

## GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

### UXO: Unexploded Ordnance Sites

A listing of unexploded ordnance site locations

Date of Government Version: 12/31/2018  
Date Data Arrived at EDR: 07/02/2020  
Date Made Active in Reports: 09/17/2020  
Number of Days to Update: 77

Source: Department of Defense  
Telephone: 703-704-1564  
Last EDR Contact: 10/08/2020  
Next Scheduled EDR Contact: 01/25/2021  
Data Release Frequency: Varies

### DOCKET HWC: Hazardous Waste Compliance Docket Listing

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

Date of Government Version: 05/31/2018  
Date Data Arrived at EDR: 07/26/2018  
Date Made Active in Reports: 10/05/2018  
Number of Days to Update: 71

Source: Environmental Protection Agency  
Telephone: 202-564-0527  
Last EDR Contact: 08/19/2020  
Next Scheduled EDR Contact: 12/07/2020  
Data Release Frequency: Varies

### FUELS PROGRAM: EPA Fuels Program Registered Listing

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

Date of Government Version: 08/17/2020  
Date Data Arrived at EDR: 08/17/2020  
Date Made Active in Reports: 10/21/2020  
Number of Days to Update: 65

Source: EPA  
Telephone: 800-385-6164  
Last EDR Contact: 08/17/2020  
Next Scheduled EDR Contact: 11/30/2020  
Data Release Frequency: Quarterly

### AIRS: Air Quality Information Listing

Air emissions information.

Date of Government Version: 07/18/2020  
Date Data Arrived at EDR: 07/20/2020  
Date Made Active in Reports: 10/08/2020  
Number of Days to Update: 80

Source: Department of Environmental Quality  
Telephone: 601-961-5276  
Last EDR Contact: 10/02/2020  
Next Scheduled EDR Contact: 01/04/2021  
Data Release Frequency: Annually

### ASBESTOS: Asbestos Project Listing

A listing of Air Division Asbestos Branch projects.

Date of Government Version: 07/17/2020  
Date Data Arrived at EDR: 07/20/2020  
Date Made Active in Reports: 10/08/2020  
Number of Days to Update: 80

Source: Department of Environmental Quality  
Telephone: 601-961-5611  
Last EDR Contact: 09/16/2020  
Next Scheduled EDR Contact: 01/04/2021  
Data Release Frequency: Varies

### DRYCLEANERS: Drycleaner Facilities Listing

A listing of drycleaner facilities.

Date of Government Version: 03/04/2019  
Date Data Arrived at EDR: 03/15/2019  
Date Made Active in Reports: 06/14/2019  
Number of Days to Update: 91

Source: Department of Environmental Quality  
Telephone: 601-961-5670  
Last EDR Contact: 08/04/2020  
Next Scheduled EDR Contact: 11/23/2020  
Data Release Frequency: Varies

### NPDES: Industrial & Municipal NPDES Facilities

Water discharge permit data.

Date of Government Version: 07/18/2020  
Date Data Arrived at EDR: 07/20/2020  
Date Made Active in Reports: 10/08/2020  
Number of Days to Update: 80

Source: Department of Environmental Quality  
Telephone: 601-961-5666  
Last EDR Contact: 08/05/2020  
Next Scheduled EDR Contact: 11/23/2020  
Data Release Frequency: Varies



## GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

### PERMITS: Environmental Site Information System Listing

The purpose of this system is to support the permitting and compliance activities of the Office of Pollution Control. Regulatory programs that are supported by this database are the Surface Water National Pollutant Discharge Elimination System (NPDES) Program; the Air Title V, Construction and Operating Programs; and the Solid and Hazardous Waste Programs.

Date of Government Version: 07/18/2020  
Date Data Arrived at EDR: 07/20/2020  
Date Made Active in Reports: 10/08/2020  
Number of Days to Update: 80

Source: The Office of Pollution Control  
Telephone: 601-961-5670  
Last EDR Contact: 08/05/2020  
Next Scheduled EDR Contact: 11/23/2020  
Data Release Frequency: Varies

### UIC: UIC Information

A listing of underground injection control wells.

Date of Government Version: 06/03/2020  
Date Data Arrived at EDR: 06/03/2020  
Date Made Active in Reports: 06/10/2020  
Number of Days to Update: 7

Source: State Oil & Gas Board  
Telephone: 601-576-4923  
Last EDR Contact: 08/21/2020  
Next Scheduled EDR Contact: 11/30/2020  
Data Release Frequency: Semi-Annually

### PCS INACTIVE: Listing of Inactive PCS Permits

An inactive permit is a facility that has shut down or is no longer discharging.

Date of Government Version: 11/05/2014  
Date Data Arrived at EDR: 01/06/2015  
Date Made Active in Reports: 05/06/2015  
Number of Days to Update: 120

Source: EPA  
Telephone: 202-564-2496  
Last EDR Contact: 10/02/2020  
Next Scheduled EDR Contact: 01/18/2021  
Data Release Frequency: Semi-Annually

### MINES MRDS: Mineral Resources Data System

Mineral Resources Data System

Date of Government Version: 04/06/2018  
Date Data Arrived at EDR: 10/21/2019  
Date Made Active in Reports: 10/24/2019  
Number of Days to Update: 3

Source: USGS  
Telephone: 703-648-6533  
Last EDR Contact: 08/28/2020  
Next Scheduled EDR Contact: 12/07/2020  
Data Release Frequency: Varies

### PCS ENF: Enforcement data

No description is available for this data

Date of Government Version: 12/31/2014  
Date Data Arrived at EDR: 02/05/2015  
Date Made Active in Reports: 03/06/2015  
Number of Days to Update: 29

Source: EPA  
Telephone: 202-564-2497  
Last EDR Contact: 10/02/2020  
Next Scheduled EDR Contact: 01/18/2021  
Data Release Frequency: Varies

### PCS: Permit Compliance System

PCS is a computerized management information system that contains data on National Pollutant Discharge Elimination System (NPDES) permit holding facilities. PCS tracks the permit, compliance, and enforcement status of NPDES facilities.

Date of Government Version: 07/14/2011  
Date Data Arrived at EDR: 08/05/2011  
Date Made Active in Reports: 09/29/2011  
Number of Days to Update: 55

Source: EPA, Office of Water  
Telephone: 202-564-2496  
Last EDR Contact: 10/02/2020  
Next Scheduled EDR Contact: 01/18/2021  
Data Release Frequency: Semi-Annually

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## 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 Hist Auto: EDR Exclusive Historical Auto Stations**

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

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

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

#### **EDR Hist Cleaner: EDR Exclusive Historical Cleaners**

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

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

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

## EDR RECOVERED GOVERNMENT ARCHIVES

### ***Exclusive Recovered Govt. Archives***

#### **RGA HWS: Recovered Government Archive State Hazardous Waste Facilities List**

The EDR Recovered Government Archive State Hazardous Waste database provides a list of SHWS incidents derived from historical databases and includes many records that no longer appear in current government lists. Compiled from Records formerly available from the Department of Environmental Quality in Mississippi.

## GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: N/A  
Date Data Arrived at EDR: 07/01/2013  
Date Made Active in Reports: 01/08/2014  
Number of Days to Update: 191

Source: Department of Environmental Quality  
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 Environmental Quality in Mississippi.

Date of Government Version: N/A  
Date Data Arrived at EDR: 07/01/2013  
Date Made Active in Reports: 01/20/2014  
Number of Days to Update: 203

Source: Department of Environmental Quality  
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 Department of Environmental Quality in Mississippi.

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

Source: Department of Environmental Quality  
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.

### NY MANIFEST: Facility and Manifest Data

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

Date of Government Version: 01/01/2019  
Date Data Arrived at EDR: 04/29/2020  
Date Made Active in Reports: 07/10/2020  
Number of Days to Update: 72

Source: Department of Environmental Conservation  
Telephone: 518-402-8651  
Last EDR Contact: 10/30/2020  
Next Scheduled EDR Contact: 02/08/2021  
Data Release Frequency: Quarterly

### PA MANIFEST: Manifest Information

Hazardous waste manifest information.

Date of Government Version: 06/30/2018  
Date Data Arrived at EDR: 07/19/2019  
Date Made Active in Reports: 09/10/2019  
Number of Days to Update: 53

Source: Department of Environmental Protection  
Telephone: 717-783-8990  
Last EDR Contact: 10/07/2020  
Next Scheduled EDR Contact: 01/25/2021  
Data Release Frequency: Annually

### Oil/Gas Pipelines

Source: Endeavor Business Media

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 Endeavor Business Media. This information is provided on a best effort basis and Endeavor Business Media does not guarantee its accuracy nor warrant its fitness for any particular purpose. Such information has been reprinted with the permission of Endeavor Business Media.

### Electric Power Transmission Line Data

Source: Endeavor Business Media

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## GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

**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 Listing**

Source: Department of Health

Telephone: 601-576-7613

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

Source: FEMA

Telephone: 877-336-2627

Date of Government Version: 2003, 2015

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

**State Wetlands Data: Wetland Inventory**

Source: US Fish & Wildlife Service

Telephone: 703-358-2171

**Current USGS 7.5 Minute Topographic Map**

Source: U.S. Geological Survey

## GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

### STREET AND ADDRESS INFORMATION

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## **GEOCHECK® - PHYSICAL SETTING SOURCE ADDENDUM**

### **TARGET PROPERTY ADDRESS**

HACKS CROSS ROAD AND WOODS BOULEVARD  
HACKS CROSS ROAD AND WOODS BOULEVARD  
OLIVE BRANCH, MS 38654

### **TARGET PROPERTY COORDINATES**

Latitude (North):	34.969362 - 34° 58' 9.70"
Longitude (West):	89.79471 - 89° 47' 40.96"
Universal Transverse Mercator:	Zone 16
UTM X (Meters):	244842.2
UTM Y (Meters):	3873016.2
Elevation:	411 ft. above sea level

### **USGS TOPOGRAPHIC MAP**

Target Property Map:	5633937 OLIVE BRANCH, MS
Version Date:	2012

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 principle investigative components:

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

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



## GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

### GROUNDWATER FLOW DIRECTION INFORMATION

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

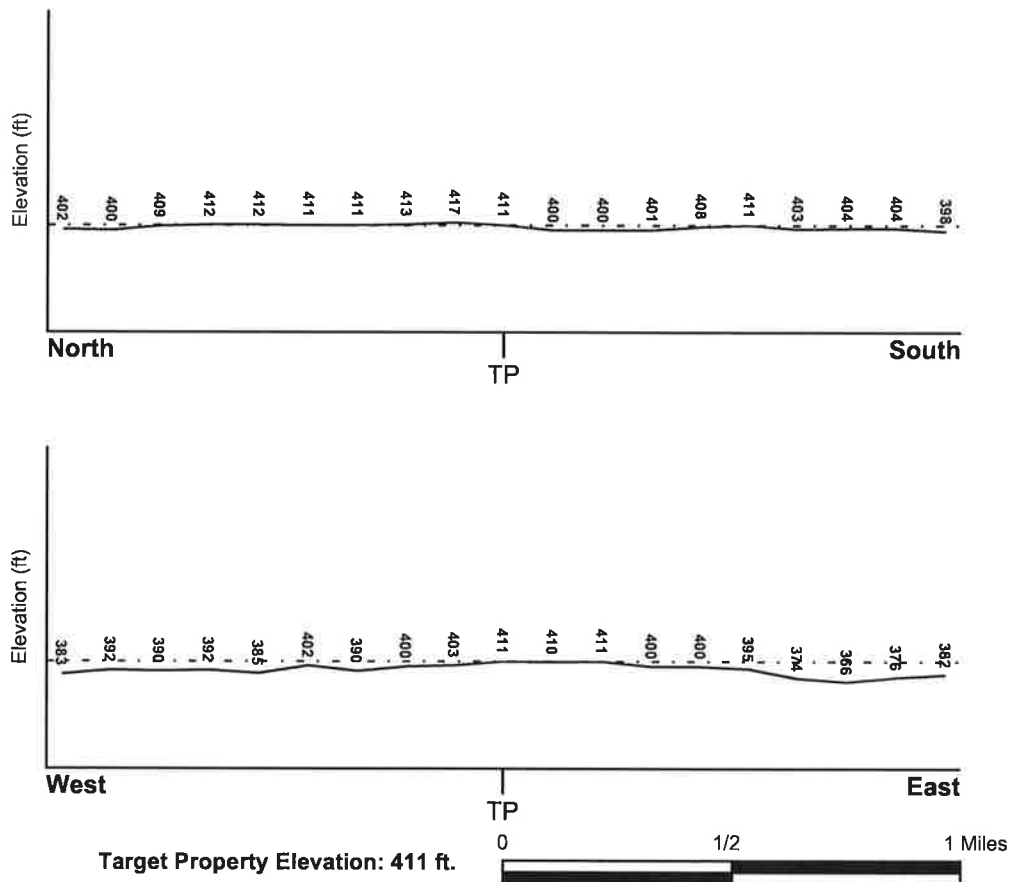
### TOPOGRAPHIC INFORMATION

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

### TARGET PROPERTY TOPOGRAPHY

General Topographic Gradient: General SW

### SURROUNDING TOPOGRAPHY: ELEVATION PROFILES



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

## GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

### HYDROLOGIC INFORMATION

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

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

### FEMA FLOOD ZONE

#### Flood Plain Panel at Target Property

47157C0610F

#### Additional Panels in search area:

Not Reported

#### FEMA Source Type

FEMA FIRM Flood data

#### FEMA Source Type

### NATIONAL WETLAND INVENTORY

#### NWI Quad at Target Property

OLIVE BRANCH

#### NWI Electronic

#### Data Coverage

YES - refer to the Overview Map and Detail Map

### HYDROGEOLOGIC INFORMATION

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

### AQUIFLOW®

Search Radius: 1.000 Mile.

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

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

## **GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY**

### **GROUNDWATER FLOW VELOCITY INFORMATION**

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

### **GEOLOGIC INFORMATION IN GENERAL AREA OF TARGET PROPERTY**

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

#### **ROCK STRATIGRAPHIC UNIT**

Era: Cenozoic  
System: Tertiary  
Series: Eocene Claiborne Group  
Code: Te2 (decoded above as Era, System & Series)

#### **GEOLOGIC AGE IDENTIFICATION**

Category: Stratified Sequence

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

### **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. Soil maps for STATSGO are compiled by generalizing more detailed (SSURGO) soil survey maps. The following information is based on Soil Conservation Service STATSGO data.

Soil Component Name: GRENADA  
Soil Surface Texture: silt 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: Moderately well drained. Soils have a layer of low hydraulic conductivity, wet state high in the profile. Depth to water table is 3 to 6 feet.

Hydric Status: Soil does not meet the requirements for a hydric soil.

Corrosion Potential - Uncoated Steel: MODERATE

Depth to Bedrock Min: > 60 inches

Depth to Bedrock Max: > 60 inches

## GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

Soil Layer Information							
Layer	Boundary		Soil Texture Class	Classification		Permeability Rate (in/hr)	Soil Reaction (pH)
	Upper	Lower		AASHTO Group	Unified Soil		
1	0 inches	5 inches	silt loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), silt.	Max: 2.00 Min: 0.60	Max: 6.00 Min: 4.50
2	5 inches	21 inches	silt loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Lean Clay	Max: 2.00 Min: 0.60	Max: 6.00 Min: 4.50
3	21 inches	24 inches	silt loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Lean Clay. FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), silt.	Max: 2.00 Min: 0.60	Max: 6.00 Min: 4.50
4	24 inches	42 inches	silt loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Lean Clay	Max: 0.20 Min: 0.06	Max: 6.00 Min: 4.50
5	42 inches	60 inches	silt loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Lean Clay	Max: 0.20 Min: 0.06	Max: 7.30 Min: 5.10

### OTHER SOIL TYPES IN AREA

Based on Soil Conservation Service STATSGO data, the following additional subordinant soil types may appear within the general area of target property.

Soil Surface Textures: No Other Soil Types

Surficial Soil Types: No Other Soil Types

Shallow Soil Types: silty clay loam

Deeper Soil Types: sandy loam

## GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

### LOCAL / REGIONAL WATER AGENCY RECORDS

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

### WELL SEARCH DISTANCE INFORMATION

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

### FEDERAL USGS WELL INFORMATION

<u>MAP ID</u>	<u>WELL ID</u>	<u>LOCATION FROM TP</u>
B11	USGS40000681108	1/4 - 1/2 Mile NW
B13	USGS40000681113	1/2 - 1 Mile NW
E18	USGS40000681041	1/2 - 1 Mile East
F21	USGS40000680934	1/2 - 1 Mile SW
D24	USGS40000680912	1/2 - 1 Mile SE
G25	USGS40000680935	1/2 - 1 Mile WSW
H29	USGS40000681011	1/2 - 1 Mile West
I32	USGS40000681052	1/2 - 1 Mile West
J35	USGS40000680993	1/2 - 1 Mile East
J37	USGS40000680985	1/2 - 1 Mile ESE
J40	USGS40000680980	1/2 - 1 Mile ESE
J44	USGS40000680992	1/2 - 1 Mile East
K46	USGS40000681042	1/2 - 1 Mile West
K50	USGS40000681048	1/2 - 1 Mile West

### FEDERAL FRDS PUBLIC WATER SUPPLY SYSTEM INFORMATION

<u>MAP ID</u>	<u>WELL ID</u>	<u>LOCATION FROM TP</u>
L51	MS0170023	1/2 - 1 Mile North

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

### STATE DATABASE WELL INFORMATION

<u>MAP ID</u>	<u>WELL ID</u>	<u>LOCATION FROM TP</u>
A1	MSC400000025168	1/4 - 1/2 Mile West
A2	MSC400000025167	1/4 - 1/2 Mile West
A3	MSC400000025178	1/4 - 1/2 Mile West
A4	MSC400000025188	1/4 - 1/2 Mile West
A5	MSC400000025179	1/4 - 1/2 Mile West
A6	MSC400000025154	1/4 - 1/2 Mile West
A7	MSC400000025157	1/4 - 1/2 Mile West

## GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

### STATE DATABASE WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
A8	MSC400000025163	1/4 - 1/2 Mile West
B9	MSC400000025017	1/4 - 1/2 Mile NW
B10	MSPR30000044777	1/4 - 1/2 Mile NW
B12	MSC400000025018	1/2 - 1 Mile NW
B14	MSPR30000044781	1/2 - 1 Mile NW
C15	MSC400000025171	1/2 - 1 Mile East
C16	MSC400000025195	1/2 - 1 Mile East
D17	MSC400000025065	1/2 - 1 Mile SE
E19	MSPR30000044736	1/2 - 1 Mile East
E20	MSC400000025020	1/2 - 1 Mile East
F22	MSPR30000044651	1/2 - 1 Mile SW
F23	MSC400000025052	1/2 - 1 Mile SW
G26	MSPR30000044650	1/2 - 1 Mile WSW
G27	MSC400000025034	1/2 - 1 Mile WSW
H28	MSC400000025047	1/2 - 1 Mile West
H30	MSPR30000044711	1/2 - 1 Mile West
I31	MSC400000025024	1/2 - 1 Mile West
I33	MSPR30000044743	1/2 - 1 Mile West
J34	MSPR30000044697	1/2 - 1 Mile East
J36	MSC400000025009	1/2 - 1 Mile East
J38	MSPR30000044691	1/2 - 1 Mile ESE
J39	MSC400000025005	1/2 - 1 Mile ESE
J41	MSPR30000044686	1/2 - 1 Mile ESE
J42	MSC400000025004	1/2 - 1 Mile ESE
J43	MSC400000025131	1/2 - 1 Mile East
K45	MSC400000025010	1/2 - 1 Mile West
K47	MSPR30000044734	1/2 - 1 Mile West
K48	MSC400000025011	1/2 - 1 Mile West
K49	MSPR30000044741	1/2 - 1 Mile West
L52	MSH300000002927	1/2 - 1 Mile North
53	MSH300000002928	1/2 - 1 Mile North
54	MSC400000025060	1/2 - 1 Mile East
55	MSP300000017684	1/2 - 1 Mile North

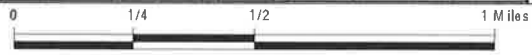


# PHYSICAL SETTING SOURCE MAP - 6249648.2s



- County Boundary
- Major Roads
- Contour Lines
- Airports
- Earthquake epicenter, Richter 5 or greater
- Water Wells
- Public Water Supply Wells
- Cluster of Multiple Icons

- Groundwater Flow Direction
- Indeterminate Groundwater Flow at Location
- Groundwater Flow Varies at Location
- Oil, gas or related wells



MS



SITE NAME: Hacks Cross Road and Woods Boulevard  
 ADDRESS: Hacks Cross Road and Woods Boulevard  
 Olive Branch MS 38654  
 LAT/LONG: 34.969362 / 89.79471

CLIENT: GEO Solutions, LLC  
 CONTACT: Barbara Lehman  
 INQUIRY #: 6249648.2s  
 DATE: November 02, 2020 11:15 am

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID  
Direction  
Distance  
Elevation

Database EDR ID Number

**A1**  
**West**  
**1/4 - 1/2 Mile**  
**Lower**

**MS WELLS MSC400000025168**

Database:	Water Wells Listing (DEQ)	Permit #:	Not Reported
Aquifer:	Not Reported	Use:	Domestic
Owner:	FOSTER, LEWIS	Date Drilled:	7/29/1982
Casing Diameter:	4	Casing Length:	62
Screen Length:	20	Well Depth:	82

**A2**  
**West**  
**1/4 - 1/2 Mile**  
**Lower**

**MS WELLS MSC400000025167**

Database:	Water Wells Listing (DEQ)	Permit #:	Not Reported
Aquifer:	Not Reported	Use:	Domestic
Owner:	BLACK, TOMMY	Date Drilled:	9/28/1981
Casing Diameter:	4	Casing Length:	110
Screen Length:	10	Well Depth:	120

**A3**  
**West**  
**1/4 - 1/2 Mile**  
**Lower**

**MS WELLS MSC400000025178**

Database:	Water Wells Listing (DEQ)	Permit #:	Not Reported
Aquifer:	Not Reported	Use:	Domestic
Owner:	HILL, KARL	Date Drilled:	2/4/1987
Casing Diameter:	4	Casing Length:	240
Screen Length:	10	Well Depth:	25

**A4**  
**West**  
**1/4 - 1/2 Mile**  
**Lower**

**MS WELLS MSC400000025188**

Database:	Water Wells Listing (DEQ)	Permit #:	Not Reported
Aquifer:	Not Reported	Use:	Domestic
Owner:	NEELEY, WINFRED	Date Drilled:	7/27/1989
Casing Diameter:	4	Casing Length:	230
Screen Length:	10	Well Depth:	240

**A5**  
**West**  
**1/4 - 1/2 Mile**  
**Lower**

**MS WELLS MSC400000025179**

Database:	Water Wells Listing (DEQ)	Permit #:	Not Reported
Aquifer:	Not Reported	Use:	Domestic
Owner:	ELLIS, W E	Date Drilled:	3/27/1987

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Casing Diameter: 4  
Screen Length: 10

Casing Length: 215  
Well Depth: 225

**A6**  
**West**  
**1/4 - 1/2 Mile**  
**Lower**

**MS WELLS MSC400000025154**

Database:	Water Wells Listing (DEQ)	Permit #:	Not Reported
Aquifer:	Not Reported	Use:	Public Water System
Owner:	OLIVE BRANCH COUNTRY CLUB RECREATION INC		
Date Drilled:	3/30/1978	Casing Diameter:	4
Casing Length:	168	Screen Length:	10
Well Depth:	178		

**A7**  
**West**  
**1/4 - 1/2 Mile**  
**Lower**

**MS WELLS MSC400000025157**

Database:	Water Wells Listing (DEQ)	Permit #:	Not Reported
Aquifer:	Not Reported	Use:	Domestic
Owner:	ABRAMONITY, EDWARD	Date Drilled:	5/1/1978
Casing Diameter:	4	Casing Length:	197
Screen Length:	10	Well Depth:	207

**A8**  
**West**  
**1/4 - 1/2 Mile**  
**Lower**

**MS WELLS MSC400000025163**

Database:	Water Wells Listing (DEQ)	Permit #:	Not Reported
Aquifer:	Not Reported	Use:	Domestic
Owner:	CONRAD, JIM	Date Drilled:	7/15/1980
Casing Diameter:	4	Casing Length:	210
Screen Length:	20	Well Depth:	230

**B9**  
**NW**  
**1/4 - 1/2 Mile**  
**Lower**

**MS WELLS MSC400000025017**

Database:	Water Wells Listing (DEQ)	Permit #:	Not Reported
Aquifer:	Sparta Aquifer System	Use:	Domestic
Owner:	WOODS, PAUL	Date Drilled:	1/1/1971
Casing Diameter:	4	Casing Length:	0
Screen Length:	0	Well Depth:	80

# GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID  
Direction  
Distance  
Elevation

Database EDR ID Number

**B10**  
**NW**  
**1/4 - 1/2 Mile**  
**Lower**

**MS WELLS MSPR30000044777**

Database: USGS Private Wells  
Primary Use: H  
Aquifer: 124SPRT

Local #: D024  
Depth: 80

**B11**  
**NW**  
**1/4 - 1/2 Mile**  
**Lower**

**FED USGS USGS40000681108**

Organization ID: USGS-MS  
Organization Name: USGS Mississippi Water Science Center  
Monitor Location: D0024 DE SOTO  
Description: Not Reported  
Drainage Area: Not Reported  
Contrib Drainage Area: Not Reported  
Aquifer: Mississippi embayment aquifer system  
Formation Type: Sparta Sand  
Construction Date: 19710101  
Well Depth Units: ft  
Well Hole Depth Units: Not Reported

Type: Well  
HUC: 08030204  
Drainage Area Units: Not Reported  
Contrib Drainage Area Units: Not Reported  
Aquifer Type: Not Reported  
Well Depth: 80  
Well Hole Depth: Not Reported

Ground water levels, Number of Measurements: 1  
Feet below surface: 50.00  
Note: Not Reported

Level reading date: 1971-03-01  
Feet to sea level: Not Reported

**B12**  
**NW**  
**1/2 - 1 Mile**  
**Lower**

**MS WELLS MSC400000025018**

Database: Water Wells Listing (DEQ)  
Aquifer: Sparta Aquifer System  
Owner: WOODS, BILLY  
Casing Diameter: 4  
Screen Length: 0

Permit #: Not Reported  
Use: Domestic  
Date Drilled: 1/1/1971  
Casing Length: 0  
Well Depth: 82

**B13**  
**NW**  
**1/2 - 1 Mile**  
**Lower**

**FED USGS USGS40000681113**

Organization ID: USGS-MS  
Organization Name: USGS Mississippi Water Science Center  
Monitor Location: D0025 DE SOTO  
Description: Not Reported  
Drainage Area: Not Reported  
Contrib Drainage Area: Not Reported  
Aquifer: Mississippi embayment aquifer system  
Formation Type: Sparta Sand

Type: Well  
HUC: 08030204  
Drainage Area Units: Not Reported  
Contrib Drainage Area Units: Not Reported  
Aquifer Type: Not Reported

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Construction Date: 19710101  
Well Depth Units: ft  
Well Hole Depth Units: Not Reported

Well Depth: 82  
Well Hole Depth: Not Reported

Ground water levels, Number of Measurements: 1  
Feet below surface: 50.00  
Note: Not Reported

Level reading date: 1971-04-01  
Feet to sea level: Not Reported

**B14**  
**NW**  
**1/2 - 1 Mile**  
**Lower**

**MS WELLS** **MSPR30000044781**

Database: USGS Private Wells  
Primary Use: H  
Aquifer: 124SPRT

Local #: D025  
Depth: 82

**C15**  
**East**  
**1/2 - 1 Mile**  
**Lower**

**MS WELLS** **MSC400000025171**

Database: Water Wells Listing (DEQ)  
Aquifer: Not Reported  
Owner: COOK, D  
Casing Diameter: 4  
Screen Length: 10

Permit #: Not Reported  
Use: Domestic  
Date Drilled: 5/24/1984  
Casing Length: 100  
Well Depth: 110

**C16**  
**East**  
**1/2 - 1 Mile**  
**Lower**

**MS WELLS** **MSC400000025195**

Database: Water Wells Listing (DEQ)  
Aquifer: Not Reported  
Owner: SANDY DOBBINS  
Casing Diameter: 4  
Screen Length: 10

Permit #: Not Reported  
Use: Domestic  
Date Drilled: 9/22/1992  
Casing Length: 230  
Well Depth: 240

**D17**  
**SE**  
**1/2 - 1 Mile**  
**Lower**

**MS WELLS** **MSC400000025065**

Database: Water Wells Listing (DEQ)  
Aquifer: Sparta Aquifer System  
Owner: FELCOR LODGING TRUST  
Casing Diameter: 6  
Screen Length: 40

Permit #: MS-GW-15985  
Use: Irrigation  
Date Drilled: 9/5/2003  
Casing Length: 200  
Well Depth: 240

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID  
Direction  
Distance  
Elevation

Database EDR ID Number

**E18**

**East**  
**1/2 - 1 Mile**  
**Lower**

**FED USGS USGS40000681041**

Organization ID:	USGS-MS		
Organization Name:	USGS Mississippi Water Science Center		
Monitor Location:	D0027 DE SOTO	Type:	Well
Description:	Not Reported	HUC:	08010211
Drainage Area:	Not Reported	Drainage Area Units:	Not Reported
Contrib Drainage Area:	Not Reported	Contrib Drainage Area Units:	Not Reported
Aquifer:	Mississippi embayment aquifer system		
Formation Type:	Sparta Sand	Aquifer Type:	Not Reported
Construction Date:	19710101	Well Depth:	200
Well Depth Units:	ft	Well Hole Depth:	Not Reported
Well Hole Depth Units:	Not Reported		

Ground water levels, Number of Measurements:	1	Level reading date:	1971-05-01
Feet below surface:	120.00	Feet to sea level:	Not Reported
Note:	Not Reported		

**E19**

**East**  
**1/2 - 1 Mile**  
**Lower**

**MS WELLS MSPR30000044736**

Database:	USGS Private Wells	Local #:	D027
Primary Use:	H	Depth:	200
Aquifer:	124SPRT		

**E20**

**East**  
**1/2 - 1 Mile**  
**Lower**

**MS WELLS MSC400000025020**

Database:	Water Wells Listing (DEQ)	Permit #:	Not Reported
Aquifer:	Sparta Aquifer System	Use:	Domestic
Owner:	MCKINNEY, OLIVER	Date Drilled:	1/1/1971
Casing Diameter:	4	Casing Length:	0
Screen Length:	0	Well Depth:	200

**F21**

**SW**  
**1/2 - 1 Mile**  
**Lower**

**FED USGS USGS40000680934**

Organization ID:	USGS-MS		
Organization Name:	USGS Mississippi Water Science Center		
Monitor Location:	D0062 DE SOTO	Type:	Well
Description:	Not Reported	HUC:	08030204
Drainage Area:	Not Reported	Drainage Area Units:	Not Reported
Contrib Drainage Area:	Not Reported	Contrib Drainage Area Units:	Not Reported
Aquifer:	Mississippi embayment aquifer system		
Formation Type:	Sparta Sand	Aquifer Type:	Not Reported



## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Construction Date:	19750101	Well Depth:	230
Well Depth Units:	ft	Well Hole Depth:	Not Reported
Well Hole Depth Units:	Not Reported		

**F22**  
**SW**  
**1/2 - 1 Mile**  
**Lower**

**MS WELLS      MSPR30000044651**

Database:	USGS Private Wells	Local #:	D062
Primary Use:	H	Depth:	230
Aquifer:	124SPRT		

**F23**  
**SW**  
**1/2 - 1 Mile**  
**Lower**

**MS WELLS      MSC40000025052**

Database:	Water Wells Listing (DEQ)	Permit #:	Not Reported
Aquifer:	Sparta Aquifer System	Use:	Domestic
Owner:	WOODS, JAMES	Date Drilled:	1/1/1975
Casing Diameter:	4	Casing Length:	0
Screen Length:	0	Well Depth:	230

**D24**  
**SE**  
**1/2 - 1 Mile**  
**Lower**

**FED USGS      USGS40000680912**

Organization ID:	USGS-MS		
Organization Name:	USGS Mississippi Water Science Center		
Monitor Location:	D0077 DE SOTO	Type:	Well
Description:	.5 MI E OF HACK CROSSRD GOODMAN		
HUC:	08030204	Drainage Area:	Not Reported
Drainage Area Units:	Not Reported	Contrib Drainage Area:	Not Reported
Contrib Drainage Area Units:	Not Reported		
Aquifer:	Mississippi embayment aquifer system		
Formation Type:	Sparta Sand	Aquifer Type:	Not Reported
Construction Date:	20030905	Well Depth:	240
Well Depth Units:	ft	Well Hole Depth:	240
Well Hole Depth Units:	ft		

Ground water levels, Number of Measurements:	1	Level reading date:	2003-09-05
Feet below surface:	126.	Feet to sea level:	Not Reported
Note:	Not Reported		

**G25**  
**WSW**  
**1/2 - 1 Mile**  
**Lower**

**FED USGS      USGS40000680935**

Organization ID:	USGS-MS		
Organization Name:	USGS Mississippi Water Science Center		
Monitor Location:	D0042 DE SOTO	Type:	Well

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Description:	Not Reported	HUC:	08030204
Drainage Area:	Not Reported	Drainage Area Units:	Not Reported
Contrib Drainage Area:	Not Reported	Contrib Drainage Area Units:	Not Reported
Aquifer:	Mississippi embayment aquifer system		
Formation Type:	Sparta Sand	Aquifer Type:	Not Reported
Construction Date:	19720101	Well Depth:	205
Well Depth Units:	ft	Well Hole Depth:	Not Reported
Well Hole Depth Units:	Not Reported		

Ground water levels, Number of Measurements:	1	Level reading date:	1972-12-01
Feet below surface:	105.00	Feet to sea level:	Not Reported
Note:	Not Reported		

**G26**  
**WSW**  
**1/2 - 1 Mile**  
**Lower**

**MS WELLS      MSPR30000044650**

Database:	USGS Private Wells	Local #:	D042
Primary Use:	H	Depth:	205
Aquifer:	124SPRT		

**G27**  
**WSW**  
**1/2 - 1 Mile**  
**Lower**

**MS WELLS      MSC40000025034**

Database:	Water Wells Listing (DEQ)	Permit #:	Not Reported
Aquifer:	Sparta Aquifer System	Use:	Domestic
Owner:	WILLIAMS, TOM	Date Drilled:	1/1/1972
Casing Diameter:	4	Casing Length:	0
Screen Length:	0	Well Depth:	205

**H28**  
**West**  
**1/2 - 1 Mile**  
**Lower**

**MS WELLS      MSC40000025047**

Database:	Water Wells Listing (DEQ)	Permit #:	Not Reported
Aquifer:	Sparta Aquifer System	Use:	Irrigation
Owner:	EUBANKS, ALAN	Date Drilled:	3/20/2003
Casing Diameter:	4	Casing Length:	135
Screen Length:	20	Well Depth:	155

**H29**  
**West**  
**1/2 - 1 Mile**  
**Lower**

**FED USGS      USGS40000681011**

Organization ID:	USGS-MS	Type:	Well
Organization Name:	USGS Mississippi Water Science Center	HUC:	08030204
Monitor Location:	D0056 DE SOTO	Drainage Area Units:	Not Reported
Description:	Not Reported		
Drainage Area:	Not Reported		

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Contrib Drainage Area:	Not Reported	Contrib Drainage Area Unts:	Not Reported
Aquifer:	Mississippi embayment aquifer system		
Formation Type:	Sparta Sand	Aquifer Type:	Not Reported
Construction Date:	19740101	Well Depth:	215
Well Depth Units:	ft	Well Hole Depth:	Not Reported
Well Hole Depth Units:	Not Reported		

Ground water levels, Number of Measurements:	1	Level reading date:	1974-03-01
Feet below surface:	140.00	Feet to sea level:	Not Reported
Note:	Not Reported		

**H30**  
**West**  
**1/2 - 1 Mile**  
**Lower**

**MS WELLS      MSPR30000044711**

Database:	USGS Private Wells	Local #:	D056
Primary Use:	H	Depth:	215
Aquifer:	124SPRT		

**I31**  
**West**  
**1/2 - 1 Mile**  
**Lower**

**MS WELLS      MSC400000025024**

Database:	Water Wells Listing (DEQ)	Permit #:	Not Reported
Aquifer:	Sparta Aquifer System	Use:	Domestic
Owner:	WHITE, MAUDE	Date Drilled:	1/1/1971
Casing Diameter:	4	Casing Length:	0
Screen Length:	0	Well Depth:	217

**I32**  
**West**  
**1/2 - 1 Mile**  
**Lower**

**FED USGS      USGS40000681052**

Organization ID:	USGS-MS		
Organization Name:	USGS Mississippi Water Science Center		
Monitor Location:	D0031 DE SOTO	Type:	Well
Description:	Not Reported	HUC:	08030204
Drainage Area:	Not Reported	Drainage Area Units:	Not Reported
Contrib Drainage Area:	Not Reported	Contrib Drainage Area Unts:	Not Reported
Aquifer:	Mississippi embayment aquifer system		
Formation Type:	Sparta Sand	Aquifer Type:	Not Reported
Construction Date:	19710101	Well Depth:	217
Well Depth Units:	ft	Well Hole Depth:	Not Reported
Well Hole Depth Units:	Not Reported		

Ground water levels, Number of Measurements:	1	Level reading date:	1971-10-01
Feet below surface:	130.00	Feet to sea level:	Not Reported
Note:	Not Reported		

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID  
Direction  
Distance  
Elevation

Database      EDR ID Number

**I33**

**West**  
**1/2 - 1 Mile**  
**Lower**

**MS WELLS      MSPR30000044743**

Database:	USGS Private Wells	Local #:	D031
Primary Use:	H	Depth:	217
Aquifer:	124SPRT		

**J34**

**East**  
**1/2 - 1 Mile**  
**Lower**

**MS WELLS      MSPR30000044697**

Database:	USGS Private Wells	Local #:	D016
Primary Use:	H	Depth:	245
Aquifer:	124SPRT		

**J35**

**East**  
**1/2 - 1 Mile**  
**Lower**

**FED USGS      USGS40000680993**

Organization ID:	USGS-MS		
Organization Name:	USGS Mississippi Water Science Center		
Monitor Location:	D0016 DE SOTO	Type:	Well
Description:	Not Reported	HUC:	08010211
Drainage Area:	Not Reported	Drainage Area Units:	Not Reported
Contrib Drainage Area:	Not Reported	Contrib Drainage Area Unts:	Not Reported
Aquifer:	Mississippi embayment aquifer system		
Formation Type:	Sparta Sand	Aquifer Type:	Not Reported
Construction Date:	19690101	Well Depth:	245
Well Depth Units:	ft	Well Hole Depth:	Not Reported
Well Hole Depth Units:	Not Reported		

Ground water levels, Number of Measurements:	1	Level reading date:	1969-11-01
Feet below surface:	105.00	Feet to sea level:	Not Reported
Note:	Not Reported		

**J36**

**East**  
**1/2 - 1 Mile**  
**Lower**

**MS WELLS      MSC400000025009**

Database:	Water Wells Listing (DEQ)	Permit #:	Not Reported
Aquifer:	Sparta Aquifer System	Use:	Domestic
Owner:	MARSMORE, R W	Date Drilled:	1/1/1969
Casing Diameter:	4	Casing Length:	0
Screen Length:	0	Well Depth:	245

# GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID  
Direction  
Distance  
Elevation

Database EDR ID Number

**J37**  
**ESE**  
**1/2 - 1 Mile**  
**Lower**

**FED USGS USGS40000680985**

Organization ID:	USGS-MS		
Organization Name:	USGS Mississippi Water Science Center		
Monitor Location:	D0011 DE SOTO	Type:	Well
Description:	Not Reported	HUC:	08010211
Drainage Area:	Not Reported	Drainage Area Units:	Not Reported
Contrib Drainage Area:	Not Reported	Contrib Drainage Area Units:	Not Reported
Aquifer:	Mississippi embayment aquifer system		
Formation Type:	Sparta Sand	Aquifer Type:	Not Reported
Construction Date:	19690101	Well Depth:	230
Well Depth Units:	ft	Well Hole Depth:	Not Reported
Well Hole Depth Units:	Not Reported		

Ground water levels, Number of Measurements:	1	Level reading date:	1969-07-01
Feet below surface:	105.00	Feet to sea level:	Not Reported
Note:	Not Reported		

**J38**  
**ESE**  
**1/2 - 1 Mile**  
**Lower**

**MS WELLS MSPR30000044691**

Database:	USGS Private Wells	Local #:	D011
Primary Use:	H	Depth:	230
Aquifer:	124SPRT		

**J39**  
**ESE**  
**1/2 - 1 Mile**  
**Lower**

**MS WELLS MSC400000025005**

Database:	Water Wells Listing (DEQ)	Permit #:	Not Reported
Aquifer:	Sparta Aquifer System	Use:	Domestic
Owner:	BARTON, J B	Date Drilled:	1/1/1969
Casing Diameter:	4	Casing Length:	0
Screen Length:	0	Well Depth:	230

**J40**  
**ESE**  
**1/2 - 1 Mile**  
**Lower**

**FED USGS USGS40000680980**

Organization ID:	USGS-MS		
Organization Name:	USGS Mississippi Water Science Center		
Monitor Location:	D0010 DE SOTO	Type:	Well
Description:	Not Reported	HUC:	08010211
Drainage Area:	Not Reported	Drainage Area Units:	Not Reported
Contrib Drainage Area:	Not Reported	Contrib Drainage Area Units:	Not Reported
Aquifer:	Mississippi embayment aquifer system		
Formation Type:	Sparta Sand	Aquifer Type:	Not Reported

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Construction Date: 19690101  
Well Depth Units: ft  
Well Hole Depth Units: Not Reported

Well Depth: 125  
Well Hole Depth: Not Reported

Ground water levels, Number of Measurements: 1  
Feet below surface: 100.00  
Note: Not Reported

Level reading date: 1969-05-01  
Feet to sea level: Not Reported

**J41**  
**ESE**  
**1/2 - 1 Mile**  
**Lower**

**MS WELLS MSPR30000044686**

Database: USGS Private Wells  
Primary Use: H  
Aquifer: 124SPRT

Local #: D010  
Depth: 125

**J42**  
**ESE**  
**1/2 - 1 Mile**  
**Lower**

**MS WELLS MSC400000025004**

Database: Water Wells Listing (DEQ)  
Aquifer: Sparta Aquifer System  
Owner: EPPS, ARNOLD  
Casing Diameter: 4  
Screen Length: 0

Permit #: Not Reported  
Use: Domestic  
Date Drilled: 1/1/1969  
Casing Length: 0  
Well Depth: 125

**J43**  
**East**  
**1/2 - 1 Mile**  
**Lower**

**MS WELLS MSC400000025131**

Database: Water Wells Listing (DEQ)  
Aquifer: Sparta Aquifer System  
Owner: OLIVE BRANCH, CITY OF  
Casing Diameter: 24  
Screen Length: 90

Permit #: MS-GW-16615  
Use: Public Water System  
Date Drilled: 10/31/2008  
Casing Length: 395  
Well Depth: 494

**J44**  
**East**  
**1/2 - 1 Mile**  
**Lower**

**FED USGS USGS40000680992**

Organization ID: USGS-MS  
Organization Name: USGS Mississippi Water Science Center  
Monitor Location: D0144 DESOTO  
Description: 1/2 MI S OF HWY 302  
Drainage Area: Not Reported  
Contrib Drainage Area: Not Reported  
Aquifer: Not Reported  
Aquifer Type: Not Reported  
Well Depth: 490  
Well Hole Depth: 530

Type: Well  
HUC: 08030204  
Drainage Area Units: Not Reported  
Contrib Drainage Area Units: Not Reported  
Formation Type: Tallahatta Formation  
Construction Date: 20081015  
Well Depth Units: ft  
Well Hole Depth Units: ft

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID  
Direction  
Distance  
Elevation

Database EDR ID Number

### K45

West  
1/2 - 1 Mile  
Lower

MS WELLS MSC400000025010

Database:	Water Wells Listing (DEQ)	Permit #:	Not Reported
Aquifer:	Sparta Aquifer System	Use:	Domestic
Owner:	AJAX COMPANY	Date Drilled:	1/1/1970
Casing Diameter:	4	Casing Length:	0
Screen Length:	0	Well Depth:	220

### K46

West  
1/2 - 1 Mile  
Lower

FED USGS USGS40000681042

Organization ID:	USGS-MS	Type:	Well
Organization Name:	USGS Mississippi Water Science Center	HUC:	08030204
Monitor Location:	D0017 DE SOTO	Drainage Area Units:	Not Reported
Description:	Not Reported	Contrib Drainage Area Units:	Not Reported
Drainage Area:	Not Reported	Aquifer:	Mississippi embayment aquifer system
Contrib Drainage Area:	Not Reported	Formation Type:	Sparta Sand
Aquifer:	Mississippi embayment aquifer system	Construction Date:	19700101
Formation Type:	Sparta Sand	Well Depth Units:	ft
Construction Date:	19700101	Well Hole Depth Units:	Not Reported
Well Depth Units:	ft		
Well Hole Depth Units:	Not Reported		

Ground water levels, Number of Measurements:	1	Level reading date:	1970-02-01
Feet below surface:	115.00	Feet to sea level:	Not Reported
Note:	Not Reported		

### K47

West  
1/2 - 1 Mile  
Lower

MS WELLS MSPR30000044734

Database:	USGS Private Wells	Local #:	D017
Primary Use:	H	Depth:	220
Aquifer:	124SPRT		

### K48

West  
1/2 - 1 Mile  
Lower

MS WELLS MSC400000025011

Database:	Water Wells Listing (DEQ)	Permit #:	Not Reported
Aquifer:	Sparta Aquifer System	Use:	Domestic
Owner:	AJAX COMPANY	Date Drilled:	1/1/1970
Casing Diameter:	4	Casing Length:	0
Screen Length:	0	Well Depth:	220



## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID  
Direction  
Distance  
Elevation

Database EDR ID Number

**K49**

**West**  
**1/2 - 1 Mile**  
**Lower**

**MS WELLS MSPR30000044741**

Database:	USGS Private Wells	Local #:	D018
Primary Use:	H	Depth:	220
Aquifer:	124SPRT		

**K50**

**West**  
**1/2 - 1 Mile**  
**Lower**

**FED USGS USGS40000681048**

Organization ID:	USGS-MS		
Organization Name:	USGS Mississippi Water Science Center		
Monitor Location:	D0018 DE SOTO	Type:	Well
Description:	Not Reported	HUC:	08030204
Drainage Area:	Not Reported	Drainage Area Units:	Not Reported
Contrib Drainage Area:	Not Reported	Contrib Drainage Area Unts:	Not Reported
Aquifer:	Mississippi embayment aquifer system		
Formation Type:	Sparta Sand	Aquifer Type:	Not Reported
Construction Date:	19700101	Well Depth:	220
Well Depth Units:	ft	Well Hole Depth:	Not Reported
Well Hole Depth Units:	Not Reported		

Ground water levels, Number of Measurements:	1	Level reading date:	1970-02-01
Feet below surface:	135.00	Feet to sea level:	Not Reported
Note:	Not Reported		

**L51**

**North**  
**1/2 - 1 Mile**  
**Higher**

**FRDS PWS MS0170023**

Epa region:	04	State:	MS
Pwsid:	MS0170023	Pwsname:	METRO DESOTO UTILITY COMPANY
Cityserved:	Not Reported	Stateserved:	MS
Zipserved:	Not Reported	Fipscounty:	28033
Status:	Closed	Retpopsrvd:	2700
Pwssvconn:	107	Psource longname:	Groundwater
Pwstype:	CWS	Owner:	Private
Contact:	RIKARD, SAMUEL P	Contactorgname:	RIKARD, SAMUEL P
Contactphone:	662-892-9350	Contactaddress1:	9200 PIGEON ROOST RD
Contactaddress2:	Not Reported	Contactcity:	OLIVE BRANCH
Contactstate:	MS	Contactzip:	38654
Pwsactivitycode:	I		

Pwsid:	MS0170023	Facid:	31272
Facname:	TREATMENT FACILITY TF080	Factype:	Treatment_plant
Facactivitycode:	A	Trtobjective:	corrosion control
Trtprocess:	lime - soda ash addition	Factypecode:	TP

Pwsid:	MS0170023	Facid:	31272
Facname:	TREATMENT FACILITY TF080	Factype:	Treatment_plant
Facactivitycode:	A	Trtobjective:	disinfection

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Triprocess: gaseous chlorination, post  
Factypecode: TP

PWS ID: MS0170023  
Address: 8276 HACKS CROSS RD.  
City: OLIVE BRANCH  
Zip: 38654  
Source code: Ground water

PWS name: METRO DESOTO UTILITY CO.  
Care of: G. P. CHANDLER, MGR.  
State: MS  
Owner: METRO DESOTO UTILITY CO.  
Population: 2500

PWS ID: MS0170023  
PWS name: METRO DESOTO UTILITY CO.  
PWS address: P. O. BOX 718  
PWS state: MS  
County: DESOTO  
Treatment Objective: DISINFECTION  
Population: 2500

PWS type: Operator  
PWS address: MARTIN ROSS  
PWS city: SENATOBIA  
PWS zip: 38668  
Source: Ground water  
Process: GASEOUS CHLORINATION, PRE

County: DESOTO  
Treatment Objective: ORGANICS REMOVAL  
Population: 2500

Source: Ground water  
Process: AERATION, PACKED TOWER

PWS ID: MS0170023  
Date system activated: 7401  
Retail population: 00002500  
System address: G. P. CHANDLER, MGR.  
System city: OLIVE BRANCH  
System zip: 38654

Activity status: Active  
Date system deactivated: Not Reported  
System name: METRO DESOTO UTILITY CO.  
System address: 8276 HACKS CROSS RD.  
System state: MS

County FIPS: 033

City served: OLIVE BRANCH

Population served: 1,001 - 2,500 Persons

Treatment: Treated

Latitude: 345855

Longitude: 0894732

Latitude: 345856

Longitude: 0894738

State: MS  
Latitude minutes: 58  
Longitude degrees: 89  
Longitude seconds: 32.0000

Latitude degrees: 34  
Latitude seconds: 55.0000  
Longitude minutes: 47

State: MS  
Latitude minutes: 58  
Longitude degrees: 89  
Longitude seconds: 38.0000

Latitude degrees: 34  
Latitude seconds: 56.0000  
Longitude minutes: 47

Violation id: 206  
State: MS  
Contamination code: 7000  
Violation code: 71  
Rule code: 420  
Violation measur: Not Reported  
State mcl: Not Reported  
Cmp edt: Not Reported

Orig code: S  
Violation Year: 2006  
Contamination Name: Consumer Confidence Rule  
Violation name: CCR Complete Failure to Report  
Rule name: CCR  
Unit of measure: Not Reported  
Cmp bdt: 07/01/2006

Violation ID: 206  
Enforcemnt FY: 2006  
Enforcement Detail: St Compliance achieved

Orig Code: S  
Enforcement Action: 07/17/2006  
Enforcement Category: Resolving

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID  
Direction  
Distance  
Elevation

Database EDR ID Number

**L52**

**North**  
**1/2 - 1 Mile**  
**Higher**

**MS WELLS MSH300000002927**

Database: Health Dept Wells  
Name: METRO DESOTO UTILITY CO.

Well ID: 170023-02  
Type: C

**53**

**North**  
**1/2 - 1 Mile**  
**Lower**

**MS WELLS MSH300000002928**

Database: Health Dept Wells  
Name: METRO DESOTO UTILITY CO.

Well ID: 170023-01  
Type: C

**54**

**East**  
**1/2 - 1 Mile**  
**Lower**

**MS WELLS MSC400000025060**

Database: Water Wells Listing (DEQ)  
Aquifer: Sparta Aquifer System  
Owner: OLIVE BRANCH, CITY OF  
Casing Diameter: 20  
Screen Length: 91

Permit #: MS-GW-15352  
Use: Public Water System  
Date Drilled: 4/12/1999  
Casing Length: 317  
Well Depth: 408

**55**

**North**  
**1/2 - 1 Mile**  
**Lower**

**MS WELLS MSP300000017684**

Database: Permitted Wells  
Owner: METRO DESOTO UTILITY CO.  
Source: SPARTA AQUIFER SYSTEM  
Aquifer: SPRT

Applicant: METRO DESOTO UTILITY CO.  
Primary Use: IN  
Depth: 354

# GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS RADON

## AREA RADON INFORMATION

State Database: MS Radon

### Radon Test Results

County	Num Sites	Avg Pci/L	Max Pci/L	Median Pci/L	% > 4 Pci/L	% > 20 Pci/L
DESOTO	19	1.1	3.4	0.9	0	0

Federal Area Radon Information for Zip Code: 38654

Number of sites tested: 2

Area	Average Activity	% <4 pCi/L	% 4-20 pCi/L	% >20 pCi/L
Living Area - 1st Floor	1.050 pCi/L	100%	0%	0%
Living Area - 2nd Floor	Not Reported	Not Reported	Not Reported	Not Reported
Basement	Not Reported	Not Reported	Not Reported	Not Reported

# PHYSICAL SETTING SOURCE RECORDS SEARCHED

## TOPOGRAPHIC INFORMATION

### USGS 7.5' Digital Elevation Model (DEM)

Source: United States Geologic Survey

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

### Current USGS 7.5 Minute Topographic Map

Source: U.S. Geological Survey

## HYDROLOGIC INFORMATION

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

Source: FEMA

Telephone: 877-336-2627

Date of Government Version: 2003, 2015

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

### State Wetlands Data: Wetland Inventory

Source: US Fish & Wildlife Service

Telephone: 703-358-2171

## HYDROGEOLOGIC INFORMATION

### AQUIFLOW<sup>R</sup> Information System

Source: EDR proprietary database of groundwater flow information

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

## GEOLOGIC INFORMATION

### Geologic Age and Rock Stratigraphic Unit

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

### STATSGO: State Soil Geographic Database

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

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

### SSURGO: Soil Survey Geographic Database

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

Telephone: 800-672-5559

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

# PHYSICAL SETTING SOURCE RECORDS SEARCHED

## LOCAL / REGIONAL WATER AGENCY RECORDS

### FEDERAL WATER WELLS

#### PWS: Public Water Systems

Source: EPA/Office of Drinking Water

Telephone: 202-564-3750

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

#### PWS ENF: Public Water Systems Violation and Enforcement Data

Source: EPA/Office of Drinking Water

Telephone: 202-564-3750

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

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

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

### STATE RECORDS

#### USGS Public Wells

Source: Mississippi Automated Resource Information System Technical Center (MARIS)

Telephone: 601-432-6149

Publicly owned water wells monitored by the USGS.

#### Permitted Wells

Source: Mississippi Automated Resource Information System Technical Center (MARIS)

Telephone: 601-432-6149

Water wells, 6-inches in diameter or larger that are permitted and monitored by the Office of Land and Water Resources.

#### USGS Private Wells

Source: Mississippi Automated Resource Information System Technical Center (MARIS)

Telephone: 601-432-6149

Privately owned water wells monitored by the USGS.

#### Health Department Wells

Source: Mississippi Automated Resource Information System Technical Center (MARIS)

Telephone: 601-432-6149

Public supply water wells monitored by the Environment Division of the Department of Health.

#### Water Wells Listing

Source: Department of Environmental Quality

Telephone: 601-961-5213

A listing of water well locations from the Office of Water Resources Management.

## OTHER STATE DATABASE INFORMATION

### Oil and Gas Well Location Listing

Source: Mississippi Oil and Gas Board

Telephone: 601-354-7119

### RADON

#### State Database: MS Radon

Source: Department of Health

Telephone: 601-987-6893

Radon Levels

## PHYSICAL SETTING SOURCE RECORDS SEARCHED

### 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 IRRAA directed EPA to list and identify areas of U.S. with the potential for elevated indoor radon levels.

### OTHER

Airport Landing Facilities: Private and public use landing facilities

Source: Federal Aviation Administration, 800-457-6656

Epicenters: World earthquake epicenters, Richter 5 or greater

Source: Department of Commerce, National Oceanic and Atmospheric Administration

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

### STREET AND ADDRESS INFORMATION

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**15.4 Regulatory Records Documentation**  
**15.4.2 EDR Vapor Encroachment Screen**

**Hacks Cross Road and Woods Boulevard**

Hacks Cross Road and Woods Boulevard

Olive Branch, MS 38654

Inquiry Number: 6249648.2s

November 3, 2020

## **EDR Vapor Encroachment Screen**

Prepared using EDR's Vapor Encroachment Worksheet

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

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## EXECUTIVE SUMMARY

A search of available environmental records was conducted by EDR. The report was designed to assist parties seeking to meet the search requirements of the ASTM Standard Practice for Assessment of Vapor Encroachment into Structures on Property Involved in Real Estate Transactions (E 2600).

<b>STANDARD ENVIRONMENTAL RECORDS</b>	<b>Default Area of Concern (Miles)*</b>	<b>property</b>	<b>1/10</b>	<b>&gt; 1/10</b>
Federal NPL site list	1.0	0	0	0
Federal Delisted NPL site list	1.0	0	0	0
Federal CERCLIS list	0.5	0	0	0
Federal CERCLIS NFRAP site list	0.5	0	0	0
Federal RCRA CORRACTS facilities list	1.0	0	0	0
Federal RCRA non-CORRACTS TSD facilities list	0.5	0	0	0
Federal RCRA generators list	0.25	0	0	0
Federal institutional controls / engineering controls registries	0.5	0	0	0
Federal ERNS list	0.001	0	0	-
State- and tribal - equivalent NPL	1.0	0	0	0
State- and tribal - equivalent CERCLIS	1.0	0	0	0
State and tribal landfill and/or solid waste disposal site lists	0.5	0	0	0
State and tribal leaking storage tank lists	0.5	0	0	0
State and tribal registered storage tank lists	0.25	0	0	0
State and tribal institutional control / engineering control registries	0.5	0	0	0
State and tribal voluntary cleanup sites	0.5	0	0	0
State and tribal Brownfields sites	0.5	0	0	0

### ADDITIONAL ENVIRONMENTAL RECORDS

Local Brownfield lists	0.5	0	0	0
Local Lists of Landfill / Solid Waste Disposal Sites	0.5	0	0	0
Local Lists of Hazardous waste / Contaminated Sites	0.001	0	0	-
Local Lists of Registered Storage Tanks	not searched	-	-	-
Local Land Records	0.001	0	0	-
Records of Emergency Release Reports	0.001	0	0	-
Other Ascertainable Records	1.0	0	0	0

### EDR HIGH RISK HISTORICAL RECORDS

EDR Exclusive Records	1.0	0	0	0
Exclusive Recovered Govt. Archives	0.001	0	0	-

## EXECUTIVE SUMMARY

### EDR RECOVERED GOVERNMENT ARCHIVES

EDR Exclusive Records	1.0	0	0	0
Exclusive Recovered Govt. Archives	0.001	0	0	-

\*The Default Area of Concern may be adjusted by the environmental professional using experience and professional judgement. Each category may include several databases, and each database may have a different distance. A list of individual databases is provided at the back of this report.

## EXECUTIVE SUMMARY

### TARGET PROPERTY INFORMATION

#### ADDRESS

HACKS CROSS ROAD AND WOODS BOULEVARD  
HACKS CROSS ROAD AND WOODS BOULEVARD  
OLIVE BRANCH, MS 38654

#### COORDINATES

Latitude (North):	34.969362 - 34° 58' 9.697266"
Longitude (West):	89.79471 - 89° 47' 40.949707"
Elevation:	411 ft. above sea level

## EXECUTIVE SUMMARY

### SEARCH RESULTS

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

### STANDARD ENVIRONMENTAL RECORDS

<u>Name</u>	<u>Address</u>	<u>Dist/Dir</u>	<u>Map ID</u>	<u>Page</u>
Not Reported				

### ADDITIONAL ENVIRONMENTAL RECORDS

<u>Name</u>	<u>Address</u>	<u>Dist/Dir</u>	<u>Map ID</u>	<u>Page</u>
Not Reported				

### EDR HIGH RISK HISTORICAL RECORDS

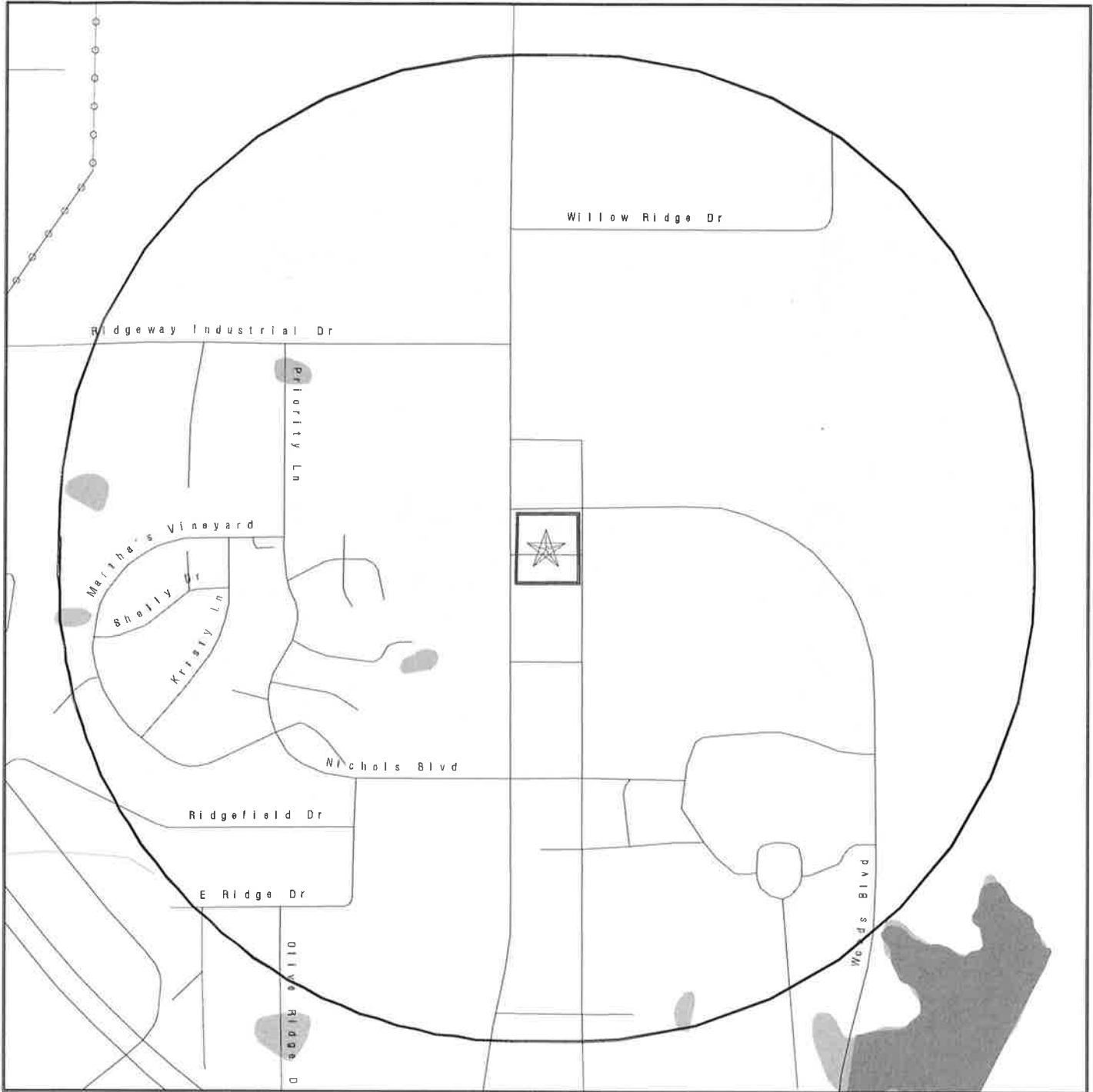
<u>Name</u>	<u>Address</u>	<u>Dist/Dir</u>	<u>Map ID</u>	<u>Page</u>
Not Reported				

### EDR RECOVERED GOVERNMENT ARCHIVES

<u>Name</u>	<u>Address</u>	<u>Dist/Dir</u>	<u>Map ID</u>	<u>Page</u>
Not Reported				



# PRIMARY MAP - 6249648.2S



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

- Indian Reservations BIA
- Power transmission lines
- Special Flood Hazard Area (1%)
- 0.2% Annual Chance Flood Hazard
- National Wetland Inventory
- State Wetlands

0 300 1/3 Miles

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

SITE NAME: Hacks Cross Road and Woods Boulevard  
 ADDRESS: Hacks Cross Road and Woods Boulevard  
 Olive Branch MS 38654  
 LAT/LONG: 34.969362 / 89.79471

CLIENT: GEO Solutions, LLC  
 CONTACT: Barbara Lehman  
 INQUIRY #: 6249648.2s  
 DATE: November 02, 2020 11:13 am

## SECONDARY MAP - 6249648.2S



Target Property

▲ Sites at elevations higher than or equal to the target property

◆ Sites at elevations lower than the target property

▲ Manufactured Gas Plants

■ National Priority List Sites

■ Dept. Defense Sites

0 1/3 1/2 1 Miles

Indian Reservations BIA

Power transmission lines

Special Flood Hazard Area (1%)

0.2% Annual Chance Flood Hazard

National Wetland Inventory

State Wetlands

Upgradient Area

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

SITE NAME: Hacks Cross Road and Woods Boulevard  
ADDRESS: Hacks Cross Road and Woods Boulevard  
Olive Branch MS 38654  
LAT/LONG: 34.969362 / 89.79471

CLIENT: GEO Solutions, LLC  
CONTACT: Barbara Lehman  
INQUIRY #: 6249648.2s  
DATE: November 02, 2020 11:11 am

# MAP FINDINGS

## LEGEND

FACILITY NAME FACILITY ADDRESS, CITY, ST, ZIP		EDR SITE ID NUMBER
◆ MAP ID#	Direction Distance Range (Distance feet / miles) Relative Elevation Feet Above Sea Level	ASTM 2600 Record Sources found in this report. Each database searched has been assigned to one or more categories. For detailed information about categorization, see the section of the report Records Searched and Currency.
<b>Worksheet:</b>  <b>Comments:</b> Comments may be added on the online Vapor Encroachment Worksheet.		

DATABASE ACRONYM: Applicable categories (A hoverbox with database description).

## GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

St	Acronym	Full Name	Government Agency	Gov Date	Arvl. Date	Active Date
<b>ENVIRONMENTAL RECORDS</b>						
<b>Federal NPL site list</b>						
US	NPL	National Priority List	EPA	07/29/2020	08/03/2020	08/25/2020
US	Proposed NPL	Proposed National Priority List Sites	EPA	07/29/2020	08/03/2020	08/25/2020
US	NPL LIENS	Federal Superfund Liens	EPA	10/15/1991	02/02/1994	03/30/1994
<b>Federal CERCLIS list</b>						
US	SEMS	Superfund Enterprise Management System	EPA	07/29/2020	08/03/2020	08/25/2020
<b>Federal RCRA CORRACTS facilities list</b>						
US	CORRACTS	Corrective Action Report	EPA	06/15/2020	06/22/2020	09/17/2020
<b>Federal RCRA TSD facilities list</b>						
US	RCRA-TSDF	RCRA - Treatment, Storage and Disposal	Environmental Protection Agency	06/15/2020	06/22/2020	09/18/2020
<b>Federal RCRA generators list</b>						
US	RCRA-LQG	RCRA - Large Quantity Generators	Environmental Protection Agency	06/15/2020	06/22/2020	09/18/2020
US	RCRA-SQG	RCRA - Small Quantity Generators	Environmental Protection Agency	06/15/2020	06/22/2020	09/18/2020
US	RCRA-VSQG	RCRA - Very Small Quantity Generators (Formerly Conditional	Environmental Protection Agency	06/15/2020	06/22/2020	09/18/2020
<b>Federal institutional controls / engineering controls registries</b>						
US	LUCIS	Land Use Control Information System	Department of the Navy	05/15/2020	05/19/2020	06/18/2020
US	US ENG CONTROLS	Engineering Controls Sites List	Environmental Protection Agency	02/13/2020	02/20/2020	05/15/2020
US	US INST CONTROLS	Institutional Controls Sites List	Environmental Protection Agency	02/13/2020	02/20/2020	05/15/2020
<b>Federal ERNS list</b>						
US	ERNS	Emergency Response Notification System	National Response Center, United States Coast	06/15/2020	06/22/2020	09/17/2020
<b>State and tribal - equivalent CERCLIS</b>						
MS	SHWS	CERCLA/Uncontrolled Sites File List	Department of Environmental Quality	06/03/2020	06/23/2020	09/09/2020
<b>State and tribal landfill / solid waste disposal</b>						
MS	SWF/LF	Solid Waste Landfills	Department of Environmental Quality	04/12/2018	05/23/2018	06/28/2018
MS	DEBRIS	Debris Site Locations Listing	Department of Environmental Quality	06/17/2008	06/17/2008	07/31/2008
<b>State and tribal leaking storage tank lists</b>						
MS	LUST	Leaking Underground Storage Tank Database	Department of Environmental Quality	12/18/2019	12/19/2019	03/02/2020
US	INDIAN LUST R10	Leaking Underground Storage Tanks on Indian Land	EPA Region 10	04/14/2020	05/20/2020	08/12/2020
US	INDIAN LUST R8	Leaking Underground Storage Tanks on Indian Land	EPA Region 8	04/14/2020	05/20/2020	08/12/2020
US	INDIAN LUST R6	Leaking Underground Storage Tanks on Indian Land	EPA Region 6	04/08/2020	05/20/2020	08/12/2020
US	INDIAN LUST R1	Leaking Underground Storage Tanks on Indian Land	EPA Region 1	04/29/2020	05/20/2020	08/12/2020
US	INDIAN LUST R5	Leaking Underground Storage Tanks on Indian Land	EPA, Region 5	04/14/2020	05/20/2020	08/12/2020
US	INDIAN LUST R9	Leaking Underground Storage Tanks on Indian Land	Environmental Protection Agency	04/08/2020	05/20/2020	08/12/2020
US	INDIAN LUST R4	Leaking Underground Storage Tanks on Indian Land	EPA Region 4	04/14/2020	05/26/2020	08/12/2020
US	INDIAN LUST R7	Leaking Underground Storage Tanks on Indian Land	EPA Region 7	04/15/2020	05/20/2020	08/12/2020

## GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

St	Acronym	Full Name	Government Agency	Gov Date	Arvl Date	Active Date
<b>State and tribal registered storage tank lists</b>						
MS	UST	Underground Storage Tanks	Department of Environmental Quality	07/21/2020	07/22/2020	09/11/2020
MS	AST	Aboveground Storage Tanks	Department of Agriculture & Commerce	05/21/2020	05/22/2020	08/06/2020
US	INDIAN UST R4	Underground Storage Tanks on Indian Land	EPA Region 4	04/14/2020	05/26/2020	08/12/2020
US	INDIAN UST R6	Underground Storage Tanks on Indian Land	EPA Region 6	04/08/2020	05/20/2020	08/12/2020
US	INDIAN UST R7	Underground Storage Tanks on Indian Land	EPA Region 7	04/03/2020	05/20/2020	08/12/2020
US	INDIAN UST R9	Underground Storage Tanks on Indian Land	EPA Region 9	04/08/2020	05/20/2020	08/12/2020
US	INDIAN UST R1	Underground Storage Tanks on Indian Land	EPA, Region 1	04/29/2020	05/20/2020	08/12/2020
US	INDIAN UST R10	Underground Storage Tanks on Indian Land	EPA Region 10	04/14/2020	05/20/2020	08/12/2020
US	INDIAN UST R5	Underground Storage Tanks on Indian Land	EPA Region 5	04/14/2020	05/20/2020	08/12/2020
US	INDIAN UST R8	Underground Storage Tanks on Indian Land	EPA Region 8	04/14/2020	05/20/2020	08/13/2020
US	FEMA UST	Underground Storage Tank Listing	FEMA	02/01/2020	03/19/2020	06/09/2020
<b>State and tribal institutional control / engineering control registries</b>						
MS	ENG CONTROLS	Sites with Engineering Controls	Department of Environmental Quality	06/03/2020	06/23/2020	09/09/2020
MS	INST CONTROL	Sites with Institutional Controls	Department of Environmental Quality	06/03/2020	06/23/2020	09/09/2020
<b>State and tribal voluntary cleanup sites</b>						
US	INDIAN VCP R7	Voluntary Cleanup Priority Listing	EPA, Region 7	03/20/2008	04/22/2008	05/19/2008
US	INDIAN VCP R1	Voluntary Cleanup Priority Listing	EPA, Region 1	07/27/2015	09/29/2015	02/18/2016
MS	VCP	Voluntary Evaluation Program Sites	Department of Environmental Quality	06/03/2020	06/23/2020	09/09/2020
<b>State and tribal Brownfields sites</b>						
MS	BROWNFIELDS	Uncontrolled Sites List	Department of Environmental Quality	06/03/2020	06/23/2020	09/09/2020
<b>Other Records</b>						
US	CONSENT	Superfund (CERCLA) Consent Decrees	Department of Justice, Consent Decree Library	06/30/2020	07/15/2020	07/21/2020
US	ROD	Records Of Decision	EPA	07/29/2020	08/03/2020	08/25/2020
US	LIENS 2	CERCLA Lien Information	Environmental Protection Agency	07/29/2020	08/03/2020	08/25/2020
US	DEBRIS REGION 9	Torres Martinez Reservation Illegal Dump Site Locations	EPA, Region 9	01/12/2009	05/07/2009	09/21/2009
MS	SWTIRE	Commercial Waste Tire Haulers	Department of Environmental Quality	05/15/2020	05/15/2020	08/03/2020
MS	SWRCY	Mississippi Recycling Directory	Department of Environmental Quality	08/29/2018	11/19/2018	12/19/2018
US	FUSRAP	Formerly Utilized Sites Remedial Action Program	Department of Energy	08/08/2017	09/11/2018	09/14/2018
US	EPA WATCH LIST	EPA WATCH LIST	Environmental Protection Agency	08/30/2013	03/21/2014	06/17/2014
US	SCRD DRYCLEANERS	State Coalition for Remediation of Drycleaners Listing	Environmental Protection Agency	01/01/2017	02/03/2017	04/07/2017
US	US AIRS (AFS)	Aerometric Information Retrieval System Facility Subsystem (	EPA	10/12/2016	10/26/2016	02/03/2017
US	US AIRS MINOR	Air Facility System Data	EPA	10/12/2016	10/26/2016	02/03/2017
US	US FIN ASSUR	Financial Assurance Information	Environmental Protection Agency	06/15/2020	06/22/2020	09/10/2020
US	COAL ASH EPA	Coal Combustion Residues Surface Impoundments List	Environmental Protection Agency	01/12/2017	03/05/2019	11/11/2019
US	US HIST CDL	National Clandestine Laboratory Register	Drug Enforcement Administration	03/18/2020	03/19/2020	06/09/2020
US	PCB TRANSFORMER	PCB Transformer Registration Database	Environmental Protection Agency	09/13/2019	11/06/2019	02/10/2020
US	LEAD SMELTER 1	Lead Smelter Sites	Environmental Protection Agency	07/29/2020	08/03/2020	08/25/2020
US	LEAD SMELTER 2	Lead Smelter Sites	American Journal of Public Health	04/05/2001	10/27/2010	12/02/2010
US	2020 COR ACTION	2020 Corrective Action Program List	Environmental Protection Agency	09/30/2017	05/08/2018	07/20/2018
US	COAL ASH DOE	Steam-Electric Plant Operation Data	Department of Energy	12/31/2018	12/04/2019	01/15/2020
US	Delisted NPL	National Priority List Deletions	EPA	07/29/2020	08/03/2020	08/25/2020

## GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

St	Acronym	Full Name	Government Agency	Gov Date	Arvl. Date	Active Date
US	SEMS-ARCHIVE	Superfund Enterprise Management System Archive	EPA	07/29/2020	08/03/2020	08/25/2020
US	RCRA NonGen / NLR	RCRA - Non Generators / No Longer Regulated	Environmental Protection Agency	06/15/2020	06/22/2020	09/18/2020
US	HMIRS	Hazardous Materials Information Reporting System	U.S. Department of Transportation	06/22/2020	06/23/2020	09/17/2020
US	DOT OPS	Incident and Accident Data	Department of Transportation, Office of Pipeline	01/02/2020	01/28/2020	04/17/2020
US	US CDL	Clandestine Drug Labs	Drug Enforcement Administration	03/18/2020	03/19/2020	06/09/2020
US	US BROWNFIELDS	A Listing of Brownfields Sites	Environmental Protection Agency	06/01/2020	06/02/2020	06/09/2020
US	DOD	Department of Defense Sites	USGS	12/31/2005	11/10/2006	01/11/2007
US	FEDLAND	Federal and Indian Lands	U.S. Geological Survey	04/02/2018	04/11/2018	11/06/2019
US	FUDS	Formerly Used Defense Sites	U.S. Army Corps of Engineers	08/05/2020	08/13/2020	10/21/2020
US	UMTRA	Uranium Mill Tailings Sites	Department of Energy	08/30/2019	11/15/2019	01/28/2020
US	ODI	Open Dump Inventory	Environmental Protection Agency	06/30/1985	08/09/2004	09/17/2004
US	US MINES	Mines Master Index File	Department of Labor, Mine Safety and Health A	05/01/2020	05/21/2020	08/13/2020
US	MINES VIOLATIONS	MSHA Violation Assessment Data	DOL, Mine Safety & Health Admini	05/28/2020	05/28/2020	08/13/2020
US	US MINES 2	Ferrous and Nonferrous Metal Mines Database Listing	USGS	05/06/2020	05/27/2020	08/13/2020
US	US MINES 3	Active Mines & Mineral Plants Database Listing	USGS	04/14/2011	06/08/2011	09/13/2011
US	PRP	Potentially Responsible Parties	EPA	04/27/2020	05/06/2020	06/09/2020
US	TRIS	Toxic Chemical Release Inventory System	EPA	12/31/2018	02/05/2020	04/24/2020
US	TSCA	Toxic Substances Control Act	EPA	12/31/2016	06/17/2020	09/10/2020
US	FTTS	FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fu	EPA/Office of Prevention, Pesticides and Toxi	04/09/2009	04/16/2009	05/11/2009
US	FTTS INSP	FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fu	EPA	04/09/2009	04/16/2009	05/11/2009
US	HIST FTTS	FIFRA/TSCA Tracking System Administrative Case Listing	Environmental Protection Agency	10/19/2006	03/01/2007	04/10/2007
US	HIST FTTS INSP	FIFRA/TSCA Tracking System Inspection & Enforcement Case Lis	Environmental Protection Agency	10/19/2006	03/01/2007	04/10/2007
US	SSTS	Section 7 Tracking Systems	EPA	07/20/2020	07/21/2020	10/08/2020
US	ICIS	Integrated Compliance Information System	Environmental Protection Agency	11/18/2016	11/23/2016	02/10/2017
US	PADS	PCB Activity Database System	EPA	10/09/2019	10/11/2019	12/20/2019
US	MLTS	Material Licensing Tracking System	Nuclear Regulatory Commission	08/05/2020	08/10/2020	10/08/2020
US	RADINFO	Radiation Information Database	Environmental Protection Agency	07/01/2019	07/01/2019	09/23/2019
US	FINDS	Facility Index System/Facility Registry System	EPA	02/03/2020	03/03/2020	05/28/2020
US	RAATS	RCRA Administrative Action Tracking System	EPA	04/17/1995	07/03/1995	08/07/1995
US	RMP	Risk Management Plans	Environmental Protection Agency	07/24/2020	08/03/2020	10/21/2020
US	BRS	Biennial Reporting System	EPA/NTIS	12/31/2015	02/22/2017	09/28/2017
US	PWS	Public Water System Data	EPA	12/17/2013	01/09/2014	10/15/2014
US	INDIAN RESERV	Indian Reservations	USGS	12/31/2014	07/14/2015	01/10/2017
US	INDIAN ODI	Report on the Status of Open Dumps on Indian Lands	Environmental Protection Agency	12/31/1998	12/03/2007	01/24/2008
US	IHS OPEN DUMPS	Open Dumps on Indian Land	Department of Health & Human Services, Indian	04/01/2014	08/06/2014	01/29/2015
US	ABANDONED MINES	Abandoned Mines	Department of Interior	06/22/2020	06/22/2020	09/10/2020
MS	AIRS	Air Quality Information Listing	Department of Environmental Quality	07/18/2020	07/20/2020	10/08/2020
MS	ASBESTOS	Asbestos Project Listing	Department of Environmental Quality	07/17/2020	07/20/2020	10/08/2020
MS	DRYCLEANERS	Drycleaner Facilities Listing	Department of Environmental Quality	03/04/2019	03/15/2019	06/14/2019
MS	NPDES	Industrial & Municipal NPDES Facilities	Department of Environmental Quality	07/18/2020	07/20/2020	10/08/2020
MS	PERMITS	Environmental Site Information System Listing	The Office of Pollution Control	07/18/2020	07/20/2020	10/08/2020
MS	UIC	UIC Information	State Oil & Gas Board	06/03/2020	06/03/2020	06/10/2020
US	ECHO	Enforcement & Compliance History Information	Environmental Protection Agency	06/27/2020	07/02/2020	09/28/2020
US	FUELS PROGRAM	EPA Fuels Program Registered Listing	EPA	08/17/2020	08/17/2020	10/21/2020
US	DOCKET HWC	Hazardous Waste Compliance Docket Listing	Environmental Protection Agency	05/31/2018	07/26/2018	10/05/2018
US	UXO	Unexploded Ordnance Sites	Department of Defense	12/31/2018	07/02/2020	09/17/2020
US	MINES MRDS	Mineral Resources Data System	USGS	04/06/2018	10/21/2019	10/24/2019

## GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

St	Acronym	Full Name	Government Agency	Gov Date	Arvl. Date	Active Date
<b>HISTORICAL USE RECORDS</b>						
US	EDR MGP	EDR Proprietary Manufactured Gas Plants	EDR, Inc.			
US	EDR Hist Auto	EDR Exclusive Historical Auto Stations	EDR, Inc.			
US	EDR Hist Cleaner	EDR Exclusive Historical Cleaners	EDR, Inc.			
MS	RGA HWS	Recovered Government Archive State Hazardous Waste Facilitie	Department of Environmental Quality	07/01/2013	01/08/2014	
MS	RGA LF	Recovered Government Archive Solid Waste Facilities List	Department of Environmental Quality	07/01/2013	01/20/2014	
MS	RGA LUST	Recovered Government Archive Leaking Underground Storage Tan	Department of Environmental Quality	07/01/2013	01/03/2014	

### STREET AND ADDRESS INFORMATION

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**15.4 Regulatory Records Documentation**  
**15.4.3 Federal Emergency Management Agency Flood Insurance Rate Map**

# National Flood Hazard Layer FIRMette



89°47'59"W 34°58'24"N

## Legend

SEE FIS REPORT FOR DETAILED LEGEND AND INDEX MAP FOR FIRM PANEL LAYOUT



The pin displayed on the map is an approximate point selected by the user and does not represent an authoritative property location.

This map complies with FEMA's standards for the use of digital flood maps if it is not void as described below. The basemap shown complies with FEMA's basemap accuracy standards.

The flood hazard information is derived directly from the authoritative NFHL web services provided by FEMA. This map was exported on 11/2/2020 at 11:13 AM and does not reflect changes or amendments subsequent to this date and time. The NFHL and effective information may change or become superseded by new data over time.

This map image is void if the one or more of the following map elements do not appear: basemap imagery, flood zone labels, legend, scale bar, map creation date, community identifiers, FIRM panel number, and FIRM effective date. Map images for unmapped and unmodernized areas cannot be used for regulatory purposes.



## **15.5 Interview Documentation**



### Phase I Environmental Site Assessment Questionnaire

Project: Proposed Jocks - Hucks Cross Road & Woods Blvd

Project No.: 20-1188

Interviewee: Spence Ray

- 1) When did you purchase the property and from whom? 2005 from Felcor Hotel Asset Company, LLC
- 2) How is the property currently being utilized?  
Undeveloped
- 3) How has the property been utilized in the past?  
Part of 250 Acres Frontage Along Hucks Cross Road for Whispering Woods Golf Course and Convention Center (Hotel)
- 4) Do you know of any environmental concerns associated with the subject property (chemicals present, spills or leaks, buried vessels, cleanup activities)? No
- 5) Based on your knowledge and experience related to the property, are there any obvious indicators that point to the presence or likely presence of releases on the property? No
- 6) Do you have any knowledge of any environmental documents that will aid in the preparation of this Phase I? Other Phase I's on adjoining properties. All clean
- 7) Are you aware of any Environmental Liens associated with the subject property? No
- 8) Are there any Land Use Restrictions on the property? No
- 9) Are you aware of any commonly known information regarding the property? No
- 10) Do you have any specialized knowledge of the property or nearby properties? No

Please provide any additional information that would be beneficial to the completion of this environmental assessment.

## **15.5 Resume**

## **SUMMARY OF QUALIFICATIONS**

Mr. Kennard has over 30 years of experience in the field of Geotechnical Engineering Consulting, Construction Materials Testing and Environmental Consulting services. Mr. Kennard's experience has included a wide variety of projects including interstate highways, bridges, dams, tunnels, retail shopping centers, commercial, heavy industrial, educational and residential developments. Mr. Kennard has served as the Geotechnical Engineer-of-Record on numerous projects with total construction costs exceeding several hundred million dollars. Geographically Mr. Kennard has worked on projects throughout the Southeast and in Southern California. Mr. Kennard has also served as an owner's consultant on projects in Mexico.

## **EDUCATION**

B.S. Engineering with a specialization in Mining Engineering, Southern Illinois University, 1984

## **REGISTRATIONS**

Professional Engineer, Alabama, Tennessee, Mississippi, Arkansas and California

## **PROFESSIONAL ORGANIZATIONS**

CSI- Construction Specifications Institute  
ASCE- American Society of Civil Engineers

## **WORK HISTORY**

1986 – 1993	Ninyo and Moore Geotechnical, San Diego, California
1993 – 1996	Bhate Engineering Company, Birmingham, Alabama
1996 – 2003	Ground Engineering and Testing, which became QORE Property Sciences
2003 – Present	GEO Solutions, L.L.C., Huntsville, Alabama

## **PROJECT EXPERIENCE**

### ***VON BRAUN CONVENTION CENTER RENOVATIONS – HUNTSVILLE, ALABAMA***

Served as Senior Environmental Engineer on the Von Braun Convention Center renovation project. The project included full renovation of the Arena, West Hall and East Hall. Our services included performing an asbestos survey and lead base paint survey before renovation commenced. The Arena included taking 31 samples of potential asbestos containing materials and one sample, from the cat walk, to test for lead base paint. The West Hall and East Hall included sampling nine locations for potential asbestos containing materials. Mr. Kennard's responsibilities included reviewing and overseeing GEO Solutions services.

### ***COUNCIL COURT ASBESTOS SURVEY AND PHASE I ESA - HUNTSVILLE, ALABAMA***

Served as the Senior Environmental Engineer on the Council Court Asbestos Survey and Environmental Site Assessment project for the Huntsville Housing Department. The project was a HUD funded project and included performing a limited Asbestos Survey and a Phase I Environmental Site assessment on the 11 acre site which contained 32 buildings. Mr. Kennard's responsibilities included overseeing and reviewing the sampling and reporting of numerous amounts of potential asbestos containing materials and reviewing the environmental site assessment Phase I.

### ***BURGUNDY SQUARE APARTMENT RENOVATIONS – HUNTSVILLE, ALABAMA***

Served as Senior Environmental Engineer for the Radon Testing and an Environmental Site Assessment Phase I on the Burgundy Square Apartments renovation project. This project included HUD money. Services consisted of performing three long term radon test at each building and an environmental site assessment of the complex. Mr. Kennard's responsibilities included reviewing and overseeing the radon kits, retrieving the kits 93 days later, reporting the results, and performing the environmental site assessment with report.



### **SUMMARY OF QUALIFICATIONS**

Ms. Lehman has over 15 years of experience in the field of Geotechnical Engineering, Environmental Engineering and Materials Testing. Ms. Lehman's experience has included a variety of projects including retail shopping centers, commercial, heavy industrial, educational and single family and multi-family residential developments.

### **EDUCATION**

B.S. Engineering w/ a specialization in Civil Engineering, The University of Alabama in Huntsville, 2003

### **PROFESSIONAL ORGANIZATIONS**

ASCE- American Society of Civil Engineers – served as Alabama Section Secretary/Treasurer, Vice President, President-Elect and President, as well as Governor for Region 5

ABC – Associated Builders and Contractors, Inc. – Vice Chairman of Green Future Committee

### **WORK HISTORY**

2001 – 2003 QORE, Inc.

2003 - Present GEO Solutions, L.L.C., Huntsville, Alabama

### **TRAINING AND CERTIFICATIONS**

Licensed to practice engineering in Alabama and Georgia

Due Diligence at Dawn Seminar, ASTM 1527-13 - Environmental Data Resources; Dec, 2013

Phase I Environmental Site Assessment Course – The Environmental Institute; Nov., 2008

Certified Asbestos Inspector – The University of Alabama Safe State; Current

Certified Lead Inspector: EPA – The Environmental Institute; Current

ASTM Technical & Professional Training-Environmental Site Assessments, April 2012.

### **PROJECT EXPERIENCE**

#### **VON BRAUN CONVENTION CENTER RENOVATIONS – HUNTSVILLE, ALABAMA**

Served as Environmental Engineer for the renovations on the Von Braun Center in Huntsville, Alabama. Services included and asbestos and lead-based paint survey prior to the renovations of the Arena, West Hall and East Hall.

#### **WALMART – MERIDIAN, MISSISSIPPI**

Served as Field Engineer for the geotechnical and environmental testing for a Super Wal-Mart in Meridian, Mississippi. Services included subsurface exploration and laboratory testing for foundation and pavement recommendations, as well as collection of environmental samples and historical research involving Phase I and Phase II Environmental Site Assessments. The development included the removal of an existing automobile salvage yard and the construction of a new retail center, including associated parking and access drives.

#### **ASHBURN PROPERTIES BORROW PIT – LACEY'S SPRINGS, ALABAMA**

Served as Project Engineer for the permitting of the Sand Farm/Whitesburg Borrow Site for Ashburn Properties. Services included evaluation and preparation of the National Pollutant Discharge Elimination System (NPDES) permit and Pollution Abatement/Prevention Plan (PAP) for a 450 acre borrow pit, as well as designing sediment ponds for the run-off.

#### **BURGUNDY SQUARE APARTMENTS/SPRING BRANCH - HUNTSVILLE, ALABAMA**

Served as Project Engineer for the Phase I Environmental Site Assessment and Radon Testing for the HUD project, Burgundy Square Apartments, prior to the renovations and renaming to Spring Branch Apartments. Services included performing a Phase I ESA with additional service required by the Housing Authority, as well as long term Radon Testing.