October 14, 2019

Environmental Due Diligence

# PHASE I ENVIRONMENTAL SITE ASSESSMENT

ASTM E1527-13, All Appropriate Inquiry (40 CFR 312)

# **Property Information:**

4215 Winwood Farm Loop Road Middleton, Hardeman County, Tennessee 38052

# **Project Information:**

AEI Project No. 412418

Client Reference No. 19-ARLAW.PHI.2176

Client Reference Name: OBA, LLC

# **Prepared For:**

Adams and Resse, LLP 424 Church Street, Suite 2700 Nashville, Tennessee 37219 c/o Outsourced Risk Management Solutions LLC 7 South Main Street Suite 209 West Hartford, Connecticut 06107

# **Prepared By:**

AEI Consultants 333 Camino Gardens Boulevard, Suite 202 Boca Raton, Florida 33432

**Building Assessments** 

Site Investigation & Remediation

Energy Performance & Benchmarking

Industrial Hygiene

Construction Risk Management

Zoning Analysis Reports & ALTA Surveys

**National Presence** 

**Regional Focus** 

**Local Solutions** 



October 14, 2019

Tony Keber
Outsourced Risk Management Solutions LLC
7 South Main Street Suite 209
West Hartford, Connecticut 06107

**Subject:** Phase I Environmental Site Assessment

4215 Winwood Farm Loop Road Middleton, Tennessee 38052 AEI Project No. 412418

Client Reference No. 19-ARLAW.PHI.2176

Client Reference Name: OBA, LLC

# Dear Tony Keber:

AEI Consultants is pleased to provide the *Phase I Environmental Site Assessment* of the above referenced property. This assessment was authorized and performed in accordance with the scope of services engaged.

We appreciate the opportunity to provide services to you. If you have any questions concerning this report, or if we can assist you in any other matter, please contact me at (561) 826-8696 or BHogan@aeiconsultants.com.

Sincerely,

Bryan Hogan Vice President AEI Consultants

# **PROJECT SUMMARY**

# 4215 Winwood Farm Loop Road, Middleton, Hardeman County, Tennessee 38052 AEI Project No. 412418

	Report Section	REC	CREC	HREC	OEC	Recommended Action
1.0	Introduction					None
2.0	Site and Vicinity Description					None
3.0	Historical Review of Site and Vicinity					None
4.0	Regulatory Agency Records Review					None
5.0	Regulatory Database Records Review					None
6.0	Interviews and User Provided Information					None
7.0	Site Reconnaissance					None
8.1	Asbestos-Containing Building Materials					None
8.2	Lead-Based Paint					None
8.3	Radon					None
8.4	Mold					None
8.5	Wetlands					
8.6	Drinking Water Sources and Lead in Drinking Water					None



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# **EXECUTIVE SUMMARY**

AEI Consultants (AEI) was retained by Outsourced Risk Management Solutions LLC to conduct a Phase I ESA in conformance with AEI's contract and the scope and limitations of ASTM Standard Practice E1527-13 and the EPA Standards and Practices for All Appropriate Inquiries (40 CFR Part 312) for the property located at 4215 Winwood Farm Loop Road, Middleton, Hardeman County, Tennessee (the "subject property"). Any exceptions to, or deletions from, this practice are described in Sections 1.4, 1.5, and 1.6 of this report.

Pertinent subject property information is noted below:

PROPERTY INFORMATION			
Site Address(es)	4215 Winwood Farm Loop Road, Middleton, Hardeman		
	County, Tennessee 38052		
Property ID (APN or Block/Lot)	192008.02000		
Location	East side of Winwood Farms Loop		
Property Type	Warehouse		
SITE AND BUILDING INFORMATION			
Approximate Site Acreage/Source	11.81/Assessor		
Number of Buildings	3		
<b>Building Construction Date(s)</b>	1993		
<b>Building Square Footage</b>	24,079/Appraisal		
(SF)/Source			
Number of Floors/Stories	One		
Basement or Subgrade Area(s)	None identified		
Number of Units	One		
Additional Improvements	Concrete-paved parking areas and associated landscaping		
On-site Occupant(s)	Vacant former Hardwood Sales & Planning Services (lumber)		
<b>Current On-site Operations/Use</b>	Vacant former lumber yard		
<b>Current Use of Hazardous</b>	None identified		
Substances			
REGULATORY INFORMATION			
Regulatory Database Listings	TN SWM Complaints		

Based on a review of historical sources, the subject property was identified to consist of a farmstead in 1947 with agricultural land until it was developed with the current structures by 1993.

The immediately surrounding properties consist of the following:

Direction from Site	Tenant/Use (Address)	Regulatory Database Listing(s)
North	Winwood Farms Loop followed by agricultural and wooded land	None identified
East	Agricultural farmstead with associated outbuildings (3785 Winwood Farms Loop)	None identified
South	EP Minerals/US Silica Company (145 and 200 TN-125)	LUST, VCP, SRP, AIRS, NPDES (145 TN-125)
West	Winwood Farms Loop followed by vacant land	None identified



If the surrounding properties are listed in the regulatory database, please refer to Section 5.1 for discussion.

#### **FINDINGS**

Recognized Environmental Condition (REC) is defined by the ASTM Standard Practice E1527-13 as the presence or likely presence of any hazardous substances or petroleum products in, on, or at a property: (1) due to release to the environment; (2) under conditions indicative of a release to the environment; or (3) under conditions that pose a material threat of a future release to the environment.

• AEI did not identify evidence of RECs during the course of this assessment.

<u>Controlled Recognized Environmental Condition (CREC)</u> is defined by the ASTM Standard Practice E1527-13 as a past release of hazardous substances or petroleum products that has been addressed to the satisfaction of the applicable regulatory authority, with hazardous substances or petroleum products allowed to remain in place subject to the implementation of required controls.

• AEI did not identify evidence of CRECs during the course of this assessment.

<u>Historical Recognized Environmental Condition (HREC)</u> is defined by the ASTM Standard Practice E1527-13 as a past release of any hazardous substances or petroleum products that has occurred in connection with the property and has been addressed to the satisfaction of the applicable regulatory authority or meeting unrestricted use criteria established by a regulatory authority, without subjecting the property to any required controls.

AEI did not identify evidence of HRECs during the course of this assessment.

Other Environmental Considerations (OEC) warrant discussion, but do not qualify as RECs as defined by the ASTM Standard Practice E1527-13. These include, but are not limited to, de minimis conditions and/or environmental considerations such as the presence of ACMs, LBP, radon, mold, and lead in drinking water, which can affect the liabilities and financial obligations of the client, the health and safety of site occupants, and the value and marketability of the subject property.

 AEI did not identify evidence of Other Environmental Considerations during the course of this assessment.

# CONCLUSIONS, OPINIONS, AND RECOMMENDATIONS

We have performed a Phase I ESA in conformance with the scope and limitations of ASTM Standard Practice E1527-13 and the EPA Standards and Practices for All Appropriate Inquiries (40 CFR Part 312) of 4215 Winwood Farm Loop Road, Middleton, Hardeman County, Tennessee, the *subject property*. Any exceptions to, or deletions from, this practice are described in Sections 1.4, 1.5, and 1.6 of this report.

AEI did not identify evidence of RECs or CRECs in connection with the subject property during the course of this assessment. AEI recommends no further investigation for the subject property at this time.



# 1.0 INTRODUCTION

This report documents the methods and findings of the Phase I ESA performed in conformance with AEI's contract and scope and limitations of ASTM Standard Practice E1527-13 and the EPA Standards and Practices for All Appropriate Inquiries (40 CFR Part 312) for the property located at 4215 Winwood Farm Loop Road, Middleton, Hardeman County, Tennessee (Appendix A: Figures and Appendix B: Property Photographs).

## 1.1 SCOPE OF WORK

The purpose of the Phase I ESA is to assist the client in identifying potential RECs, in accordance with ASTM E1527-13, associated with the presence of any hazardous substances or petroleum products, their use, storage, and disposal at and in the vicinity of the subject property. Property assessment activities focused on: 1) a review of federal, state, tribal, and local databases that identify and describe underground fuel tank sites, leaking underground fuel tank sites, hazardous waste generation sites, and hazardous waste storage and disposal facility sites within the ASTM approximate minimum search distance; 2) a property and surrounding site reconnaissance, and interviews with the past and present owners and current occupants and operators to identify potential environmental contamination; and 3) a review of historical sources to help ascertain previous land use at the site and in the surrounding area.

#### 1.2 ADDITIONAL SERVICES

Other Environmental Considerations such as ACMs, LBP, lead in drinking water, radon, mold, and wetlands can result in business environmental risks for property owners which may disrupt current or planned operations or cash flow and are generally beyond the scope of a Phase I assessment as defined by ASTM E1527-13. Based upon the agreed-on scope of services this ESA did not include subsurface or other invasive assessments, business environmental risks, or other services not specifically identified and discussed herein.

#### 1.3 SIGNIFICANT ASSUMPTIONS

The following assumptions are made by AEI in this report. AEI relied on information derived from secondary sources including governmental agencies, the client, designated representatives of the client, property contact, property owner, property owner representatives, computer databases, and personal interviews. AEI has reviewed and evaluated the thoroughness and reliability of the information derived from secondary sources including government agencies, the client, designated representatives of the client, property contact, property owner, property owner representatives, computer databases, or personal interviews. It appears that all information obtained from outside sources and reviewed for this assessment is thorough and reliable. However, AEI cannot quarantee the thoroughness or reliability of this information.

Groundwater flow, unless otherwise specified by on-site well data or well data from the subject property or nearby sites, is inferred from contour information depicted on the USGS topographic maps. AEI assumes the property has been correctly and accurately identified by the client, designated representative of the client, property contact, property owner, and property owner's representatives.



# 1.4 LIMITATIONS

Property conditions, as well as local, state, tribal, and federal regulations can change significantly over time. Therefore, the recommendations and conclusions presented as a result of this assessment apply strictly to the environmental regulations and property conditions existing at the time the assessment was performed. Available information has been analyzed using currently accepted assessment techniques and it is believed that the inferences made are reasonably representative of the property. AEI makes no warranty, expressed or implied, except that the services have been performed in accordance with generally accepted environmental property assessment practices applicable at the time and location of the assessment.

Considerations identified by ASTM as beyond the scope of a Phase I ESA that may affect business environmental risk at a given property include the following: ACMs, radon, LBP, lead in drinking water, wetlands, regulatory compliance, cultural and historical resources, industrial hygiene, health and safety, ecological resources, endangered species, indoor air quality, mold, and high voltage lines. These environmental issues or conditions may warrant assessment based on the type of the property transaction; however, they are considered non-scope issues under ASTM Standard Practice E1527-13.

If requested by the client, these non-scope issues are discussed herein. Otherwise, the purpose of this assessment is solely to satisfy one of the requirements for qualification of the innocent landowner defense, contiguous property owner or bona fide prospective purchaser under CERCLA. ASTM Standard Practice E1527-13 and the United States EPA Standards and Practices for All Appropriate Inquiries (40 CFR Part 312) constitute the "all appropriate inquiry into the previous ownership and uses of the property consistent with good commercial or customary practice" as defined in:

- 1. 42 U.S.C. § 9601(35)(B), referenced in the ASTM Standard Practice E1527-13.
- 2. Sections 101(35)(B) (ii) and (iii) of CERCLA and referenced in the EPA Standards and Practices for All Appropriate Inquiries (40 CFR Part 312).
- 3. 42 U.S.C. § 9601(40) and 42 U.S.C. § 9607(q).

The Phase I ESA is not, and should not be construed as, a warranty or guarantee about the presence or absence of environmental contaminants that may affect the property. Neither is the assessment intended to assure clear title to the property in question. The sole purpose of assessment into property title records is to ascertain a historical basis of prior land use. All findings, conclusions, and recommendations stated in this report are based upon facts, circumstances, and industry-accepted procedures for such services as they existed at the time this report was prepared (i.e., federal, state, and local laws, rules, regulations, market conditions, economic conditions, political climate, and other applicable matters). All findings, conclusions, and recommendations stated in this report are based on the data and information provided, current subject property use, and observations and conditions that existed on the date and time of the property reconnaissance.

Responses received from local, state, or federal agencies or other secondary sources of information after the issuance of this report may change certain facts, findings, conclusions, or circumstances to the report. A change in any fact, circumstance, or industry-accepted procedure upon which this report was based may adversely affect the findings, conclusions, and recommendations expressed in this report.



AEI's limited radon screening, if included, is intended to provide a preliminary screening to evaluate the potential presence of elevated radon concentrations at the site. The proposed scope is not intended to define the full extent of the presence of radon at the subject property. As such, the results should be used for lending purposes only. The recommendations and conclusions presented as a result of the limited preliminary radon screening apply strictly to the property conditions existing at the time the sampling was performed. The sample analytical results are only valid for the time, place, and condition of the site at the time of collection and AEI does not warrant that the results will be repeatable or are representative of past or future conditions.

# 1.5 LIMITING CONDITIONS/DEVIATIONS

The performance of this Phase I ESA was limited by the following:

- While additional assessments may have been conducted on the subject property, these
  documents must be provided for AEI's review in order for the information to be
  summarized/included in this Phase I ESA. Please refer to Section 6.3 for a summary of
  previous reports and other documentation provided to AEI during this assessment.
- The User did not complete the ASTM User Questionnaire or provide the User information to AEI. AEI assumes that qualification for the LLPs is being established by the User in documentation outside of this assessment.
- The subject property owner was not interviewed during this assessment. Based on information obtained from other sources, this limiting condition is not expected to alter the overall findings of this assessment.
- No Key Site Manager/escort was available for interview during this assessment. AEI
  was granted access by the real estate agent listed on the perimeter signage. Based on
  information obtained from other sources, this limiting condition is not expected to alter
  the overall findings of this assessment.

## 1.6 DATA FAILURE AND DATA GAPS

According to ASTM E1527-13, data gaps occur when the Environmental Professional is unable to obtain information required by the Standard, despite good faith efforts to gather such information. Pursuant to ASTM E1527-13, only significant data gaps, defined as those that affect the ability of the Environmental Professional to identify RECs, need to be documented.

Data failure is one type of data gap. According to ASTM E1527-13, data failure occurs when all of the standard historical sources that are reasonably ascertainable and likely to be useful have been reviewed and yet the objectives have not been met. Pursuant to ASTM E1527-13, historical sources are required to document property use back to the property's first developed use or back to 1940, whichever is earlier, or periods of five years or greater.



#### 1.6.1 DATA FAILURE

The following data failure was identified during the course of this assessment:

Data Failure	The earliest historical resource obtained during this assessment was aerial photograph from 1947 indicating that the subject property was developed as agricultural land. The lack of historical sources dating back to 1940 represents historical data source failure. However, as it is assumed that the subject property would have been previously used for agricultural purposes, if not undeveloped, this data failure is not expected to significantly alter the findings of this assessment.
Information/Sources	City directories, Sanborn fire insurance maps, aerial photographs, agency
Consulted	records, previous reports, interviews

#### 1.6.2 SIGNIFICANT DATA GAPS

AEI did not identify significant data gaps which affected our ability to identify RECs.

# 1.7 RELIANCE

This Report has been prepared for use and reliance by Outsourced Risk Management Solutions LLC, Adams and Resse, LLP, and each of its participants, successors, and assigns with specific application to a Phase I Environmental Site Assessment of the site located at 4215 Winwood Farm Loop Road, Middleton, Hardeman County, Tennessee (the "Property"). This report has been prepared in accordance with the care and skill generally exercised by reputable professionals under similar circumstances at this or similar localities. No other warranty, either expressed or implied, is made as to the professional advice presented herein. No other party, known or unknown to AEI Consultants, is intended as a beneficiary of this work product, its contents or information embedded herein. Third parties use this report at their own risk. AEI Consultants cannot reasonably be expected to be responsible for the accuracy of information obtained from, compiled or provided by third-party sources, such as regulatory agency listings.



# 2.0 SITE AND VICINITY DESCRIPTION

## 2.1 SITE LOCATION AND DESCRIPTION

DRODERTY INFORMATION				
PROPERTY INFORMATION				
Site Address(es)	4215 Winwood Farm Loop Road, Middleton, Hardeman			
	County, Tennessee 38052			
Property ID (APN or Block/Lot)	192008.02000			
Location	East side of Winwood Farms Loop			
Property Type	Warehouse			
SITE AND BUILDING INFORMATION				
Approximate Site Acreage/Source	11.81/Assessor			
Number of Buildings	3			
<b>Building Construction Date(s)</b>	1993			
<b>Building Square Footage</b>	24,079/Appraisal			
(SF)/Source				
Number of Floors/Stories	One			
Basement or Subgrade Area(s)	None identified			
Number of Units	One			
Additional Improvements	Concrete-paved parking areas and associated landscaping			
On-site Occupant(s)	Vacant former Hardwood Sales & Planning Services (lumber)			
<b>Current On-site Operations/Use</b>	Vacant former lumber yard			
<b>Current Use of Hazardous</b>	None identified			
Substances				
REGULATORY INFORMATION				
Regulatory Database Listings	TN SWM Complaints			

# 2.2 ON-SITE UTILITIES

Utility	Source/System Information
Heating System	Electricity
Cooling System	Electricity
Potable Water	City of Middleton
Sewage Disposal/Treatment	City of Middleton

Utility source/system information listed in the table above is provided by Coombs LP Gas Company, unless otherwise noted above.

# 2.3 SITE AND VICINITY CHARACTERISTICS

The subject property is located in an urban area of Middleton, Tennessee. The immediately surrounding properties consist of the following:

Direction from Site	Tenant/Use (Address)	Regulatory Database Listing(s)
North	Winwood Farms Loop followed by agricultural and wooded land	None identified
East	Agricultural farmstead with associated outbuildings (3785 Winwood Farms Loop)	None identified



Direction from Site	Tenant/Use (Address)	Regulatory Database Listing(s)
South	EP Minerals/US Silica Company (145 and 200	LUST, VCP, SRP, AIRS,
	TN-125)	NPDES (145 TN-125)
West	Winwood Farms Loop followed by vacant land	None identified

If the surrounding properties are listed in the regulatory database, please refer to Section 5.1 for discussion.

# 2.4 PHYSICAL SETTING

Geologic Unit: Description/Source	Claiborne and Wilcox Formation from the Tertiary age consisting of Irregularly bedded sand, locally interbedded with lenses and beds of gray to white clay, silty clay, lignitic clay, and lignite. Thickness more than 400 feet./USGS and United States Department of the Interior
Soil Series:	WcB3: Wilcox silty clay, 2 to 5 percent slopes, severely eroded, somewhat
Description/Source	poorly drained, and very low to moderately low permeability./USDA Soil Survey
<b>Groundwater Flow</b>	North/Topographic map interpretation
Direction/Source	
<b>Estimated Depth to</b>	50 feet bgs/USGS-NWIS
Groundwater/	
Source	
Surface waters on	None
the subject property	
or adjacent sites	
Additional notes	According to FEMA Flood Insurance Rate Map (FIRM) No. 47069C0375C, dated September 28, 2007, the subject property is located in Zone X, designated as an area outside the 100 and 500-year flood zones and the flood potential for the subject property is minimal.



# 3.0 HISTORICAL REVIEW OF SITE AND VICINITY

Reasonably ascertainable standard historical sources as outlined in ASTM Standard E1527-13 were used to determine previous uses and occupancies of the subject property that are likely to have led to RECs in connection with the subject property. A chronological summary of historical data found, including but not limited to aerial photographs, historical city directories, Sanborn fire insurance maps, and agency records, is as follows:

Date Range	Subject Property Description and Use (Historical Addresses)	Source(s)
Prior to 1947	Unknown use/Data failure; refer to Section 1.6.1	Aerial photographs,
		Topographic maps
1947-1975	Farmhouse with agricultural land	Aerial photographs,
		Topographic maps
1978-1993	Agricultural land	Aerial photographs,
		Topographic maps
1993-Present	Current building constructed for commercial retail use (4215	Aerial photographs,
	Winwood Farms Loop)	Topographic maps, City
		directories

Based on a review of historical sources, the subject property was identified to consist of a farmstead in 1947 with agricultural land until it was developed with the current structures by 1993.

Vernon Henderson of the Planning Department was interviewed regarding historic use of the subject property. Mr. Henderson stated that he was certain that operations have always consisted of either farm equipment and/or lumber wholesale dating back to John Holders ownership in the mid-1990s. However, he had no permits nor documentation to verify in writing. AEI also contacted Geneva Cossar of Hardeman County who confirmed the information Mr. Henderson indicated.

The subject property was historically used for agricultural purposes. There is a potential that agricultural chemicals, such as pesticides, herbicides and fertilizers, were used on site. The subject property is developed and used for commercial/light industrial purposes and thus no further action related to the former agricultural use of the subject property is warranted at this time.

AEI did not identify potential environmental concerns in association with the current or historical use of the subject property.

If available, copies of historical sources are provided in the report appendices.



#### 3.1 AERIAL PHOTOGRAPHS

AEI reviewed aerial photographs of the subject property and surrounding area. A search was made of the EDR collection of aerial photographs. Aerial photographs were reviewed for the following years:

Year(s)	Subject Property Description	Adjacent Site Descriptions
1947	Farmhouse at northern portion and	NORTH: Roadway followed by residence and
	agricultural land on remaining portions	agricultural land
		EAST: Agricultural land
		SOUTH: Agricultural land
		WEST: Roadway followed by agricultural land
1975,	No significant changes	NORTH: Roadway followed by wooded land
1978		EAST: Agricultural land
		SOUTH: Agricultural with a small structure
		WEST: Roadway followed by wooded land
1985	No significant changes	NORTH: No significant changes
		EAST: No significant changes
		SOUTH: Strip of vacant land followed by
		industrial facility
		WEST: No significant changes
1997	Appears developed with current commercial	NORTH: No significant changes
	improvements	EAST: Appears developed with current
		commercial improvements
		SOUTH: Appears developed with current
		commercial improvements
		WEST: No significant changes
2008,	Appears developed with current commercial	NORTH: No significant changes
2012,	improvements with additional buildings	EAST: No significant changes
2016		SOUTH: No significant changes
		WEST: No significant changes

Potential environmental concerns associated with this historic use of the property are discussed in Section 3.0.

#### 3.2 SANBORN FIRE INSURANCE MAPS

Sanborn Fire Insurance maps were developed in the late 1800s and early 1900s for use as an assessment tool for fire insurance rates in urbanized areas. A search was made of the EDR collection of Sanborn Fire Insurance maps.

Sanborn map coverage was not available for the subject property.



#### 3.3 CITY DIRECTORIES

A search of historical city directories was conducted for the subject property utilizing EDR. Please refer to the appendices for a complete list of historical subject property tenants identified by EDR. Directories were reviewed in approximate five-year increments from 1992 to 2014. The first listing for the subject property appeared in 2000. The following table summarizes the results of the city directory search.

Year(s) Address - Occupant Listed			
1992, 1995	4215 Winwood Farms Loop - No address listed		
2000	4215 Winwood Farms Loop - Holden John		
2005, 2010, 2014	4215 Winwood Farms Loop - Hardwood Sales & Planning Services		

AEI did not identify potential environmental concerns in association with the historical use of the subject property during the city directory review.

## 3.4 HISTORICAL TOPOGRAPHIC MAPS

In an attempt to close any data failure, AEI reviewed historical topographic maps at NETR's www.historicaerials.com. No additional historical information was obtained from available topographic maps.



# 4.0 REGULATORY AGENCY RECORDS REVIEW

Local and state agencies, such as environmental health departments, fire prevention bureaus, and building and planning departments are contacted to identify any current or previous reports of hazardous substance use, storage, and/or unauthorized releases that may have impacted the subject property. In addition, information pertaining to AULs, defined as legal or physical restrictions, or limitations on the use of, or access to, a site or facility, is requested.

# 4.1 LOCAL ENVIRONMENTAL HEALTH DEPARTMENT AND/OR STATE ENVIRONMENTAL AGENCY

Agency	Date Contacted	Method of Contact	Name & Title of Contact	Agency Response
Hardeman County Health	September	Telephone	Marlita White,	No hazardous materials
Department (HCHD)	30, 2019		Executive Directo	records on file

Agency	Date Contacted		Name & Title of Contact	Agency Response
Tennessee Department of	October 2,	Telephone	Mr. Michael	No hazardous
Environment and Conservation	2019	-	Cox	materials records on
(TDEC)				file

#### 4.2 FIRE DEPARTMENT

Agency	Date Contacted	Method of Contact	Name & Title of Contact	Agency Response
Middleton Fire	September	Telephone	Tommy Seever,	No hazardous materials
Department (MFD)	30, 2019		Fire Chief	records on file

## 4.3 BUILDING DEPARTMENT

Agency	Date Contacted	Method of Contact	Name & Title of Contact	Agency Response
Middleton Building Department (MBD)	September 30, 2019	Telephone	,	No environmentally significant records on file

## 4.4 PLANNING DEPARTMENT

Agency	Date Contacted	Method of Contact	Name & Title of Contact	Agency Response
Middleton Planning Department (MPD)	September 30, 2019	Telephone	Henderson,	No evidence indicating the existence of AULs on file for the subject property
			Chairman	



# 4.5 ASSESSOR'S OFFICE

Agency	Date Contacted	Method of Contact	Name & Title of Contact	Agency Response
Hardeman County	September	Telephone	l '	Information obtained is
Assessor's Office	30, 2019			discussed below

# Records Summary

APN	192008.02000
Acreage	11.81 acres
Construction	1993
Date	
Building	24,079 square feet
<b>Square Footage</b>	
<b>Current Owner</b>	Hardwood Sales and Planning Services Inc

# 4.6 OTHER AGENCIES SEARCHED

No other agencies were contacted during the course of this assessment.

# 4.7 OIL AND GAS WELLS

Agency	Date Referenced	Resource	Oil or gas wells located within 500 feet of the subject property
Tennessee Oil and Gas	September	TOGA Map	No
Association (TOGA)	30, 2019		

# 4.8 OIL AND GAS PIPELINES

Agency	Date Referenced	Resource	Pipelines located within 500 feet of the subject property
National Pipeline Mapping	September	NPMS Public	No
System (NPMS)	30, 2019	Map Viewer	



# 5.0 REGULATORY DATABASE RECORDS REVIEW

AEI contracted EDR to conduct a search of publicly available information from federal, state, tribal, and local databases containing known and suspected sites of environmental contamination and sites of potential environmental significance. Data gathered during the current regulatory database search is compiled by EDR into one regulatory database report. Location information for listed sites is designated using geocoded information provided by federal, state, or local agencies and commonly used mapping databases with the exception of "Orphan" sites. Due to poor or inadequate address information, Orphan sites are identified but not geocoded/mapped by EDR, rather, information is provided based upon vicinity zip codes, city name, and state. The number of listed sites identified within the approximate minimum search distance from the federal and state environmental records database listings specified in ASTM Standard E1527-13 is summarized in Section 5.1, along with the total number of Orphan sites. A copy of the regulatory database report, which includes detailed descriptions of the databases noted below, is included in Appendix C of this report.

In determining if a listed site is a potential environmental concern to the subject property, AEI generally applies the following criteria to classify the site as lower potential environmental concern: 1) the site only holds an operating permit (which does not imply a release), 2) the site's distance from, and/or topographic position relative to, the subject property, and/or 3) the site has recently been granted "No Further Action" by the appropriate regulatory agency.

#### **5.1 RECORDS SUMMARY**

Database	Search Distance (Miles)	Subject Property Listed	Number of Listings within Search Distance	REC or OEC (Yes or No)
NPL	1	No	0	
DELISTED NPL	0.5	No	0	
SEMS (formerly CERCLIS)	0.5	No	0	
SEMS-ARCHIVE (formerly CERCLIS NFRAP)	0.5	No	0	
RCRA CORRACTS	1	No	0	
RCRA-TSDF	0.5	No	0	
RCRA LQG, SQG, CESQGs, VGN, NLR	SP/ADJ	No	0	
US ENG CONTROLS	SP	No	0	
US INST CONTROLS	SP	No	0	
ERNS	SP	No	0	
STATE/TRIBAL HWS	1	No	0	
STATE/TRIBAL SWLF	0.5	No	0	
STATE/TRIBAL REGISTERED STORAGE TANKS	SP/ADJ	No	0	
STATE/TRIBAL LUST	0.5	No	1	No; however, see below for further discussion of the identified listing(s).



Database	Search Distance (Miles)	Subject Property Listed	Number of Listings within Search Distance	REC or OEC (Yes or No)
STATE/TRIBAL EC and IC	SP	No	0	
STATE/TRIBAL VCP	0.5	No	1	No; however, see below for further discussion of the identified listing(s).
STATE/TRIBAL BROWNFIELD	0.5	No	0	
ORPHAN	N/A	No	0	
ADDITIONAL ENVIRONMENTAL RECORD SOURCES	SP/ADJ	Yes	3	No; however, see below for further discussion of the identified listing(s).

<b>Facility Name</b>	Howell Property
Address	4215 Winwood Farms Lane
Distance &	Subject Property
Direction	
Hydrologic	N/A
Position	
<b>Databases Listed</b>	TN SWM Complaints
Comments	TN SWM COMPLAINTS database is a listing of reported complaints to Solid Waste Management division. The complaint was reported due to open burning concern on May 15, 2017. Additional information received indicated "Gate was locked and there was restricted access to property. From the road a large pile of wood debris that included wood pallets was observed to be stockpiled behind a pond on the property. No open burning or burial of waste could be observed from the distance. Air pollution control issued an open burning advisory letter."; On May 19, 2017 the site received a "Restricted Access" and "Completed" status. Based on these factors, the on-site listed property does not represent a recognized environmental condition associated with the subject property.

<b>Facility Name</b>	Moltan Co / EP Minerals, LLC FKA Molten Company
Address	220 Highway 125 South / 145 TN 125
Distance &	Adjacent to the south
Direction	
Hydrologic	Up-gradient
Position	
<b>Databases Listed</b>	LUST, VCP, SRP, AIRS, NPDES



#### **Comments**

The TN LUST database is a listing of fund eligible leaking underground storage tanks. According to the database, the tabulated site is listed in the LUST database with a status of "Completed Tank Closure". No additional information of significance was provided by the database concerning the former UST. According to an email provided to TDEC on December 22, 2019, the UST in question was used for water storage and removed in 1988 and its registration as a petroleum containing tank was an error. Susan Watts of TDEC dated issued an email response December 26, 2014 considering the abandoned UST case closed with no further action. Files provided by TDEC are attached within the appendices. Based on this information, the LUST is not a significant environmental concern.

The TN VCP database is the Voluntary Cleanup Oversight and Assistance Program (VOAP) offers people the opportunity to work proactively with state government to address necessary cleanup of a property to return it to productive use. In return for their efforts, participants can receive a No Further Action letter and a release of liability for areas where investigation and cleanup is conducted. The regulatory database does not offer many details concerning details of the VCP listing other than its "Closed" status. A Case Closed status is granted to those sites that do not exhibit levels of contamination requiring clean-up, have been remediated to the satisfaction of the lead regulatory agency, or are not suspected to represent a significant threat to human health or the environment. Supporting documentation requested by TDEC to support the closed case status is still pending. However, no further action is expected. Based on the case status, AEI does not consider the VCP listing to be a REC in connection with the subject property.

The State Remediation Program (SRP) listing cross references the VCP listing.

The AIRS 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. No violations are listed. This listing is not a significant environmental concern.

The NPDES listing is a list of facilities permitted for wastewater discharge. The tabulated site is permitted due to its industrial wastewater produced from processing of montmorillonite clay. The affected waterways listed are Colonel Fork Creek and Hersey Creek. Neither of the affected waterways have tributaries that cross the subject property. Therefore, this listing is not a significant environmental concern.

#### **5.2 VAPOR MIGRATION**

AEI reviewed reasonably ascertainable information for the subject and nearby properties, including a regulatory database, files for nearby release sites, and/or historical documentation, to determine if potential vapor-phase migration concerns may be present which could impact the subject property.

Based on a review of available resources as documented in this report, AEI did not identify significant on-site concerns and/or regulated listings from nearby sites which suggest that a vapor-phase migration concern currently exists at the subject property.



# 6.0 INTERVIEWS AND USER PROVIDED INFORMATION

## **6.1 Interviews**

Pursuant to ASTM E1527-13, the following interviews were performed during this assessment in order to obtain information indicating RECs in connection with the subject property.

## **6.1.1 OWNER AND KEY SITE MANAGER**

Relation to Property	Name	Date Interviewed	Method of Contact	Year First Associated w/ Property	Notes
Owner/Owner	Hardwood Sales and	N/A	N/A	2018	Not interviewed;
Representative	Planning Services Inc				refer to Section 1.5
Key Site	N/A	N/A	N/A	N/A	Not interviewed;
Manager					refer to Section 1.5

Interview Summary

Question	Owner (Representative) Response/ Comment	Key Site Manager Response/ Comment
Do you have any knowledge of USTs, clarifiers or oil/water separators, sumps, or other subsurface features?	N/A	N/A
Do you have any knowledge of previous environmental investigations conducted on site?	N/A	N/A
Do you have any knowledge of current or past industrial operations and/or other operations which would involve the use of hazardous substances and/or petroleum products?	N/A	N/A
Are you aware of any known plans for site redevelopment or change in site use?	N/A	N/A
Are you aware of any pending, threatened, or past litigation relevant to hazardous substances or petroleum products in, on, or from the property?	N/A	N/A
Are you aware of any pending, threatened or past administrative proceedings relevant to hazardous substances or petroleum products in, on, or from the property?	N/A	N/A
Are you aware of any notices from any governmental entity regarding any possible violation of environmental laws or possible liability relating to hazardous substances or petroleum products?	N/A	N/A
Are you aware of any incidents of flooding, leaks, or other water intrusion, and/or complaints related to indoor air quality?	N/A	N/A

# **6.1.2 PAST OWNERS, OPERATORS, AND OCCUPANTS**

AEI did not attempt to interview past owners, operators, and occupants of the subject property because information from these sources would likely be duplicative of information already obtained from other sources.



## **6.1.3 Interview with Others**

Information obtained during interviews with local government officials is incorporated into the appropriate segments of this report.

#### **6.2 USER PROVIDED INFORMATION**

User provided information is intended to help identify the possibility of RECs in connection with the subject property. According to ASTM E1527-13 and the EPA Standards and Practices for All Appropriate Inquiries (40 CFR Part 312), certain items should be researched by the prospective landowner or grantee, and the results of such inquiries may be provided to the Environmental Professional. The responsibility for qualifying for LLPs by conducting the inquiries ultimately rests with the User, and providing the information to the Environmental Professional would be prudent if such information is available.

The User did not complete the ASTM User Questionnaire or provide the User information to AEI. AEI assumes that qualification for the LLPs is being established by the User in documentation outside of this assessment.

Question	Response/ Comment
1. Environmental liens that are filed or recorded against the property (40 CFR 312.25)	Information not provided
Did a search of recorded land title records (or judicial records where appropriate) identify any environmental liens filed or recorded against the property under federal, tribal, state or local law?	provided
2. Activity and use limitations that are in place on the property or that have been filed or recorded against the property (40 CFR 312.26(a)(1)(v) and vi)).	Information not provided
Did a search of recorded land title records (or judicial records where appropriate) identify any AULs, such as engineering controls, land use restrictions or institutional controls that are in place at the property and/or have been filed or recorded against the property under federal, tribal, state or local law?	provided
3. Specialized knowledge or experience of the person seeking to qualify for the LLP (40 CFR 312.28).	Information not provided
Do you have any specialized knowledge or experience related to the property or nearby properties? For example, are you involved in the same line of business as the current or former occupants of the property or an adjoining property so that you would have specialized knowledge of the chemicals and processes used by this type of business?	provided
4. Relationship of the purchase price to the fair market value of the property if it were not contaminated (40 CFR 312.29).	Information not provided
Does the purchase price being paid for this property reasonably reflect the fair market value of the property? If you conclude that there is a difference, have you considered whether the lower purchase price is because contamination is known or believed to be present at the property?	p. 0.1.202



Question	Response/ Comment		
5. Commonly known or reasonably ascertainable information about the	Information		
property (40 CFR 312.30).	not		
Are you aware of commonly known or reasonably accortainable information about the	provided		
Are you aware of commonly known or reasonably ascertainable information about the			
property that would help the environmental professional to identify conditions indicative of releases or threatened releases? For example:			
(a) Do you know the past uses of the property?			
(b) Do you know of specific chemicals that are present or once were present at the			
property?			
(c) Do you know of spills or other chemical releases that have taken place at the property?			
(d) Do you know of any environmental cleanups that have taken place at the property?			
6. The degree of obviousness of the presence or likely presence of	Information		
contamination at the property, and the ability to detect the contamination by	not		
appropriate investigation (40 CFR 312.31).	provided		
Paged on your knowledge and experience related to the preparty, are there any obvious			
Based on your knowledge and experience related to the property, are there any obvious			
indicators that point to the presence or likely presence of contamination at the property?			

# **6.3 Previous Reports and Other Provided Documentation**

No prior reports or other relevant documentation in association with the subject property was made available to AEI during the course of this assessment.

## **6.4 Environmental Lien Search**

In accordance with our approved scope of services, an environmental lien search was not performed as part of this assessment.



# 7.0 SITE RECONNAISSANCE

Site Reconnaissance Date	October 2, 2019
AEI Site Assessor(s)	Neko Sharkey
Property Escort(s)/	No Key Site Manager/escort was available for interview during this
Relationship(s) to	assessment. AEI was granted access by the real estate agent listed
Property	on the perimeter signage. Based on information obtained from other sources, this limiting condition is not expected to alter the overall findings of this assessment.
Units/Areas Observed	Interior of the buildings as well as exterior areas
Area(s) not accessed and	None
reason(s)	
<b>Other Physical Constraints</b>	None

Reconnaissance Findings Summary

Feature	Observed on Subject Property (see Section 7.1)	Observed on Adjacent Property (see Section 7.2)
Regulated Hazardous Substances/Wastes and/or Petroleum Products in Connection with Property Use		
Aboveground/Underground Hazardous Substance or Petroleum Product Storage Tanks (ASTs/USTs)		
Hazardous Substance and Petroleum Product Containers Not in Connection with Property Use		
Unidentified Substance Containers		
Electrical or Mechanical Equipment Likely to Contain Fluids	✓	
Interior Stains or Corrosion	✓	
Strong, Pungent, or Noxious Odors		
Pools of Liquid		
Drains, Sumps, and Clarifiers	✓	
Pits, Ponds, and Lagoons		
Stained Soil or Pavement		
Stressed Vegetation		
Solid Waste Disposal or Evidence of Fill Materials		
Waste Water Discharges		
Wells		
Septic Systems		
Biomedical Wastes		
Other	✓	



#### 7.1 SUBJECT PROPERTY RECONNAISSANCE FINDINGS

# 7.1.1 REGULATED HAZARDOUS SUBSTANCES/WASTES AND/OR PETROLEUM PRODUCTS IN CONNECTION WITH PROPERTY USE

Substance/Waste (size/quantity)	Location	Operations Associated with Material	Disposal Method/ Frequency	Secondary Containment	Staining/ Spills
Waste oil (5-gallon bucket / 2	Warehouse	Presumed vehicle maintenance	Unknown	No	Minor staining on the concrete

Two open-top 5-gallon buckets of what appears to be used/waste oil were observed in the warehouse. Minor staining was observed in the area of the oil buckets. The small quantity of contained oil and minor staining on concrete is not a significant environmental concern.

# AST(s)

Size (gallons)	Contents	Installation Date	AST Condition	Location	Construction/ Secondary Containment	Product Piping (Aboveground/ Underground)	Staining/ Spills
Unknown	Propane	Unknown	Good	East exterior side of building	Double-walled	None	None

One abandoned propane AST was located adjacent to the building on the eastern portion of the subject property. Based on observations, the AST is no longer in service and is currently empty. Therefore, the AST is not expected to represent an environmental concern.

# 7.1.2 ELECTRICAL OR MECHANICAL EQUIPMENT LIKELY TO CONTAIN FLUIDS

Toxic PCBs were commonly used historically in electrical equipment such as transformers, fluorescent lamp ballasts, and capacitors. According to United States EPA regulation 40 CFR Part 761, there are three categories for classifying such equipment: <50 ppm of PCBs is considered "Non-PCB"; between 50 and 500 ppm is considered "PCB-Contaminated"; and >500 ppm is considered "PCB-Containing." Pursuant to 15 U.S.C. 2605(e)(2)(A), the manufacture, process, or distribution in commerce or use of any polychlorinated biphenyl in any manner other than in a totally enclosed manner was prohibited after January 1, 1977.

## **Transformers**

Туре	Quantity	Owner	Presumed Date of Installation	Spills or Stains Observed (Yes/No)	Non-PCB Label (Yes/ No)
Pole-Mounted	3	Utility provider	1997	No	No



The management of potential PCB-containing transformers is the responsibility of the local utility or the transformer owner. Actual material samples need to be collected to determine if transformers are PCB-containing.

Transformers installed prior to 1977 may be PCB containing while transformers installed after 1977 are unlikely to be PCB containing. Federal Regulations (40 CFR 761 Subpart G) require any release of material containing >50 ppm PCB and occurring after May 4, 1987, be cleaned up by the transformer owner following the United States EPA's PCB spill cleanup policy.

AEI did not observe evidence of spills, staining, or leaks on or around the transformers. Based on the good condition of the equipment, the transformers are not expected to represent a significant environmental concern.

#### 7.1.3 Interior Stains or Corrosion

Surficial staining was observed within what appeared to be a former stock room or dock area of the subject property building during AEI's on-site reconnaissance. The staining was located on the concrete slab, and no drains were observed in the vicinity. Based on the small size and surficial nature of the staining, it is not expected to represent a significant environmental concern.

## 7.1.4 Drains, Sumps, and Clarifiers

Storm drains were observed in the parking area of the subject property. AEI did not observe evidence of hazardous substances or petroleum products in the vicinity of the drains. Based on the use of the drains solely for storm water runoff, the presence of the drains is not expected to represent a significant environmental concern.

#### 7.1.5 STAINED SOIL AND PAVEMENT

Minor amounts of oily surface staining were observed at the garage of subject property. Absorbent had been scattered across the staining at the time of the site visit. The staining was located on concrete, and no drains were observed in the vicinity. Based on the small size and surficial nature of the staining, it is not expected to represent a significant environmental concern.

#### **7.1.6** OTHER

Cleaning supplies and detergents are stored. All chemicals were packaged in consumer quantities. Based on the nature of these materials, the presence of cleaning supplies at the subject property is not expected to represent a significant environmental concern.

#### 7.2 ADJACENT PROPERTY RECONNAISSANCE FINDINGS

During the off-site reconnaissance, AEI did not observe the items listed in the Reconnaissance Findings Summary table in Section 7.0.



# 8.0 NON-ASTM SERVICES

#### **8.1 Asbestos-Containing Building Materials**

Asbestos is the name for a group of naturally occurring silicate minerals that can be separated into fibers. The fibers are strong, durable, and resistant to heat and fire. They are also long, thin and flexible, so they can even be woven into cloth. Because of these qualities, asbestos has been used in thousands of consumer, industrial, maritime, automotive, scientific and building products. During the 20th century, some 30 million tons of asbestos have been used in industrial sites, homes, schools, shipyards and commercial buildings in the United States. Commercial use of ACM began in the early 1900s and peaked in the period between 1940 and into the 1970s. Common ACMs include pipe-covering, insulating cement, insulating block, refractory and boiler insulation materials, transite board, fireproofing spray, joint compound, vinyl floor tile, ceiling tile, mastics, roofing products, and duct insulation for HVAC applications. Inhalation of asbestos fibers can result in deleterious health effects.

The potential for ACM was evaluated based the United States EPA Guidance Document: Managing Asbestos in Place - A Building Owner's Guide to Operations and Maintenance Programs for Asbestos-Containing Materials (the Green Book). In 1973 the NESHAPS banned the use of most spray-applied surfacing ACM, specifically asbestos containing spray-on fireproofing and insulation. Subsequent revisions to this regulation in 1975 and 1978 effectively eliminated the use of friable pre-molded pipe, boiler, turbine, and duct insulation; and the spray application of friable asbestos-containing materials for all uses in buildings. In 1989 the EPA issued regulations to ban some asbestos-containing products and phase out most others over a multi-year period. The "Ban and Phase-Down" rule was challenged in court and the regulation remanded to the agency. As a result, any asbestos-containing products then "in commerce" would not be banned. Those not in commerce would be banned. Those materials "banned" could not be sold. It did not affect such materials already installed, or in use. Most US firms voluntarily ceased production of asbestos containing building materials not covered by the aforementioned Federal bans by the mid-1980s. In 1994, the OSHA determined that employers and building owners are required to treat installed thermal system installation and sprayed on and troweled-on surfacing materials, as well as vinyl or asphalt flooring material, as ACM in buildings constructed no later than 1980 until tested by laboratory analysis to prove otherwise.

The information below is for general informational purposes only and does not constitute an asbestos survey. In addition, the information is not intended to comply with federal, state or local regulations in regards to ACM.

Although the cutoff date of 1981 referenced in the OSHA regulations is generally accepted for estimating the likelihood that certain building materials may contain asbestos, building materials manufactured after 1981, while not expected to, may still contain asbestos. Typical materials that are known to still be manufactured with asbestos include but are not limited to: asphalt roofing products and building caulking materials and adhesives. A limited list of typical suspect ACMs is included in the following table:



Material Type	Location	
Plaster (acoustical and smooth)	Walls and ceilings	
Ceiling tile	Ceiling systems	
Thermal systems insulations, packings, and gaskets	Heating systems, cooling systems, domestic and heating and cooling piping, ductwork, and other equipment	
Floor tile and associate mastics, flooring felts, and papers (under hardwood/other)	Floors	
Vinyl sheet flooring and adhesives	Floors	
Cove base and associated mastics	Walls	
Ceramic tile adhesives and grouts	Walls, floors, and ceilings	
All adhesives	Mirrors, wall coverings, construction, etc.	
Grout and caulking	Windows and doors	
Gypsum board, tape, and joint compound	Wall and ceiling systems	
Insulation materials	Walls, ceilings, and attic spaces	
Roofing materials (felts, rolled, shingle, flashings, adhesives, tar, and insulations)	Roof and parapet wall systems	
Brick and block, mortars	Walls	

The observed suspect ACMs were in good condition and are not expected to pose a health and safety concern to the occupants of the subject property at this time. In the event that building renovation or demolition activities are planned, a thorough asbestos survey is required in accordance with the EPA NESHAP 40 CFR Part 61 prior to demolition or renovation activities that may disturb ACMs.

#### 8.2 LEAD-BASED PAINT

LBP is defined as any paint, varnish, stain, or other applied coating that has ≥1 mg/cm² (5,000 µg/g or 5,000 ppm) or more of lead by federal guidelines; state and local definitions may differ from the federal definitions in amounts ranging from 0.5 mg/cm² to 2.0 mg/cm². Section 1017 of the Housing and Urban Development (HUD) Guidelines, Residential Lead-Based Paint Hazard Reduction Act of 1992, otherwise known as "Title X", defines a LBP hazard as "any condition that causes exposure to lead that would result in adverse human health effects" resulting from lead-contaminated dust, bare, lead-contaminated soil, and/or lead-contaminated paint that is deteriorated or present on accessible, friction, or impact surfaces. Therefore, under Title X, intact LBP on most walls and ceilings would not be considered a "hazard", although the paint should be maintained and its condition monitored to ensure that it does not deteriorate and become a hazard. Additionally, Section 1018 of this law directed HUD and EPA to require the disclosure of known information on LBP and LBP hazards before the sale or lease of most housing built before 1978. Most private housing, public housing, or federally owned or subsidized housing is affected by this rule.

Under OSHA, LCP is defined as any paint with any detectable amount of lead present in it. Therefore, all LBP is considered LCP. Conversely, LCP may not meet the criteria to be considered LBP in accordance with HUD guidelines or some states' definition of LBP.

It is important to note that LCP may create a lead hazard when being removed. The condition of these materials must be monitored when they are being disturbed. In the event LCP is subject to abrading, sanding, torching, and/or cutting during demolition or renovation activities, there may be regulatory issues that must be addressed.



The information below is for general informational purposes only and does not constitute a lead hazard evaluation. In addition, the information is not intended to comply with federal, state, or local regulations in regards to LBP.

In buildings constructed after 1978, it is unlikely that LBP is present; however, some paints utilized after 1978 will be LCP under OSHA. Structures built prior to 1978 and especially prior to the 1960s should be expected to contain LBP.

Due to the age of the subject property buildings, it is unlikely that LBP is present; however, LCP may be present. Based on the good condition of the observed painted surfaces, potential LCP is not considered a significant environmental concern at this time.

## 8.3 RADON

Radon is a naturally-occurring, odorless, and invisible gas. Natural radon levels vary and are closely related to geologic formations. Radon may enter buildings through basement sumps or other openings.

The United States EPA has prepared a map to assist National, State, and local organizations to target their resources and to implement radon-resistant building codes. The map divides the country into three radon zones, with Zone 1 being those areas with the average predicted indoor radon concentration in residential dwellings exceeding the EPA Action Limit of 4.0 pCi/L. It is important to note that the EPA has found homes with elevated levels of radon in all three zones, and the EPA recommends site specific testing in order to determine radon levels at a specific location. However, the map does give a valuable indication of the propensity of radon gas accumulation in structures.

Radon sampling was not requested as part of this assessment. According to the US EPA, the radon zone level for the area is Zone 3, which has a predicted average indoor screening level less than 2 pCi/L, below the action level of 4 pCi/L set forth by the US EPA.

#### 8.4 Mold

Molds are simple microscopic organisms which can often be seen in the form of discoloration, frequently green, gray, white, brown, or black. When excessive moisture or water accumulates indoors, mold growth may occur, particularly if the moisture problem remains undiscovered or unaddressed. As such, interior areas of buildings characterized by poor ventilation and high humidity are the most common locations of mold growth. Building materials, including drywall, wallpaper, baseboards, wood framing, insulation, and carpeting, often play host to such growth. Mold spores primarily cause health problems through the inhalation of spores or the toxins they emit when they are present in large numbers. This can occur when there is active mold growth within places where people live or work.

Mold, if present, may or may not visually manifest itself. Neither the individual completing this inspection, nor AEI has any liability for the identification of mold-related concerns except as defined in applicable industry standards. In short, this Phase I ESA should not be construed as a mold survey or inspection.



This activity was not designed to discover all areas which may be affected by mold growth on the subject property. Rather, it is intended to give the client an indication if significant (based on observed areas) mold growth is present at the subject property. Potential areas of mold growth, such as in pipe chases, HVAC systems, and behind enclosed walls and ceilings, were not observed as part of this limited assessment.

AEI observed interior areas of the subject property buildings to identify the potential presence of mold. AEI did not note obvious visual or olfactory indications of the presence of mold, nor did AEI observe obvious indications of significant water damage. As such, no bulk sampling of suspect surfaces was conducted as part of this assessment and no additional action with respect to suspect mold appears to be warranted at this time.

#### 8.5 WETLANDS

A review of the US Fish and Wildlife Service National Wetlands Inventory (NWI) map showed that the subject property is not located within a federally designated wetlands area. In addition, no natural standing bodies of water or typically hydrophytic vegetation were observed on the subject property during the site reconnaissance.

#### 8.6 Drinking Water Sources and Lead in Drinking Water

The City of Middleton supplies potable water to the subject property. The most recent water quality report (2018) states that the 90th percentile value for lead levels are well within standards established by the United States EPA.



# 9.0 SIGNATURE OF ENVIRONMENTAL PROFESSIONALS

We declare that, to the best of our professional knowledge and belief, we meet the definition of Environmental Professional as defined in §312.10 of 40 CFR Part 312.

We have the specific qualifications based on education, training, and experience to assess a property of the nature, history and setting of the subject property. We have developed and performed the all appropriate inquiries in conformance with the standards and practices set forth in 40 CFR Part 312.

Prepared By:

Neko Sharkey Associate Consultant Reviewed By:

Shannon Lefebvre Senior Author

ann Tefebre

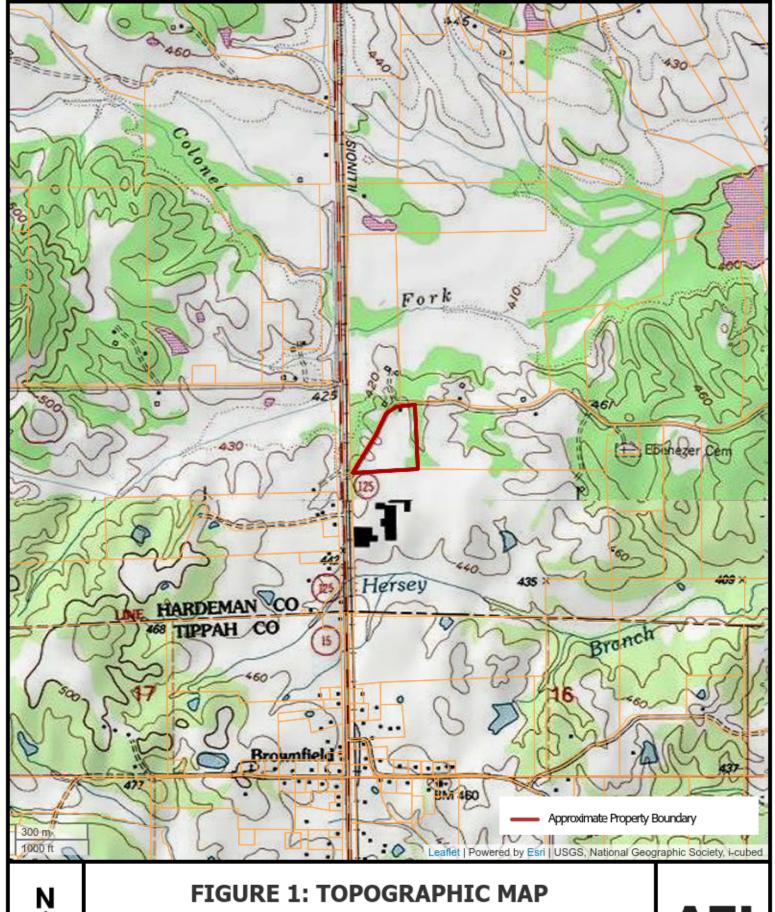
# 10.0 REFERENCES

Item	Date(s)	Source	
Soils Information	Accessed October 2018	USDA Web Soil Survey	
		http://websoilsurvey.nrcs.usda.gov/	
		app/WebSoilSurvey.aspx	
Topographic Map	2013	USGS, Middeton	
Depth to Groundwater Information	October 2018	USGS-NWIS	
Aerial Photographs	1947-2016 (non-inclusive)	EDR	
Sanborn Map Report/Search	No coverage	EDR	
City Directories	1992-2014 (non-inclusive)	EDR	
Historical Topographic Maps	1951-2016 (non-inclusive)	NETR Online	
		(www.historicaerials.com)	
Environmental Health Department/	September 30, 2019	Hardeman County Health	
State Environmental Agency		Department	
Fire Department	September 30, 2019	Middleton Fire Department	
Building Department	September 30, 2019	Middleton Building Department	
Planning Department	September 30, 2019	Middleton Planning Department	
Assessor's Information and Parcel	September 30, 2019	Hardeman County Assessor's Office	
Мар	•	-	
Oil and Gas Wells	September 30, 2019	Tennessee Oil and Gas Association	
Oil and Gas Pipelines	September 30, 2019	NPMS Public Map Viewer	
		https://www.npms.phmsa.dot.gov/	
		PublicViewer/composite.jsf	
Regulatory Database Report	September 24, 2019	EDR	
Interview with Key Site Manager	N/A	N/A	
Radon Zone Information	1993	US EPA Map of Radon Zones	
		https://www.epa.gov/radon	



# APPENDIX A FIGURES

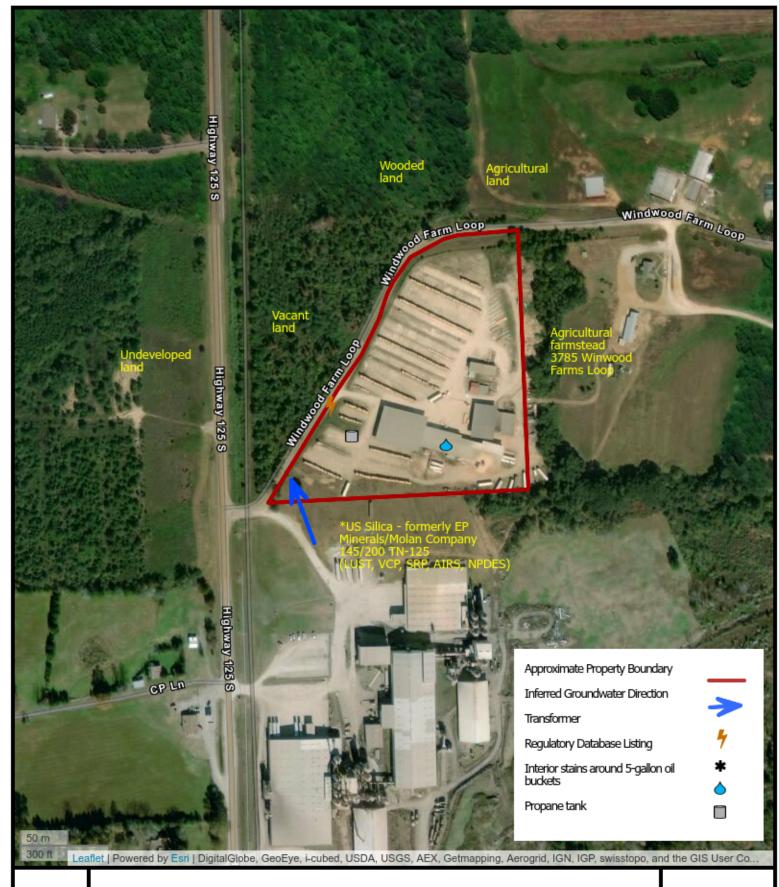






4215 Winwood Farm Loop Road, Middleton, Tennessee 38052 AEI Project Number: 412418







# **FIGURE 2: SITE MAP**

4215 Winwood Farm Loop Road, Middleton, Tennessee 38052 AEI Project Number: 412418



# APPENDIX B PROPERTY PHOTOGRAPHS





1. Site overview



2. North elevation





3. South elevation



4. East elevation





5. West elevation



6. Access drive from west





7. Transformers



8. Abandoned propane tank





9. Stained concrete and used oil containers



10. Empty 55-gallon drums





11. Northwest quadrant



12. Warehouse interior





13. Warehouse interior



14. Electrical panel





15. Adjacent north, Agricultural and wooded land



16. Adjacent east, Agricultural farmstead



17. Adjacent south, US Silica



18. Adjacent west, Vacant land



# APPENDIX C REGULATORY DATABASE



412418

4215 Winwood Farm Loop Road Middleton, TN 38052

Inquiry Number: 5801562.2s

September 24, 2019

# The EDR Radius Map™ Report with GeoCheck®



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

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with any questions or comments.

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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**

4215 WINWOOD FARM LOOP ROAD MIDDLETON, TN 38052

#### **COORDINATES**

Latitude (North): 35.0021060 - 35° 0' 7.58" Longitude (West): 88.8916000 - 88° 53' 29.76"

Universal Tranverse Mercator: Zone 16 UTM X (Meters): 327378.0 UTM Y (Meters): 3874714.0

Elevation: 444 ft. above sea level

#### USGS TOPOGRAPHIC MAP ASSOCIATED WITH TARGET PROPERTY

Target Property Map: 5943750 MIDDLETON, TN

Version Date: 2013

Northeast Map: 5943756 POCAHONTAS, TN

Version Date: 2013

Southeast Map: 5629929 CHALYBEATE, MS

Version Date: 2012

Southwest Map: 5620388 WALNUT, MS

Version Date: 2012

#### **AERIAL PHOTOGRAPHY IN THIS REPORT**

Portions of Photo from: 20140921, 20140925, 20140701

Source: USDA

#### MAPPED SITES SUMMARY

Target Property Address: 4215 WINWOOD FARM LOOP ROAD MIDDLETON, TN 38052

Click on Map ID to see full detail.

MAP				RELATIVE	DIST (ft. & mi.)
ID	SITE NAME	ADDRESS	DATABASE ACRONYMS	ELEVATION	DIRECTION
1	HOWELL PROPERTY	4215 WINWOOD FARMS L	TN SWM COMPLAINTS		TP
2	MOLTAN CO	145 TN 125	TN LUST	Higher	1212, 0.230, SSW
3	EP MINERALS, LLC FKA	220 HIGHWAY 125 SOUT	TN VCP, TN SRP, TN AIRS, TN NPDES	Higher	1217, 0.230, SE

#### TARGET PROPERTY SEARCH RESULTS

The target property was identified in the following records. For more information on this property see page 8 of the attached EDR Radius Map report:

Site Database(s) EPA ID

HOWELL PROPERTY 4215 WINWOOD FARMS L MIDDLETON, TN TN SWM COMPLAINTS

N/A

#### **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 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 US ENG CONTROLS..... Engineering Controls Sites List US INST CONTROL...... Sites with Institutional Controls

#### Federal ERNS list

ERNS..... Emergency Response Notification System

#### State- and tribal - equivalent NPL

TN SHWS..... List of Inactive Hazardous Substance Sites

#### State- and tribal - equivalent CERCLIS

MS SHWS..... CERCLA/Uncontrolled Sites File List

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

TN SWF/LF..... Solid Waste Disposal Facilities

MS SWF/LF..... Solid Waste Landfills

#### State and tribal leaking storage tank lists

MS LUST..... Leaking Underground Storage Tank Database
INDIAN LUST..... Leaking Underground Storage Tanks on Indian Land

TN LUST TRUST..... LUST TRUST Fund Database

TN HIST\_LUST CO..... Leaking Underground Storage Tanks Sites

#### State and tribal registered storage tank lists

FEMA UST....... Underground Storage Tank Listing
TN UST........ Facility and Tank Report
Linderground Storage Tanks

MS UST\_\_\_\_\_\_ Underground Storage Tanks
TN AST\_\_\_\_\_ Aboveground Storage Tanks
MS AST\_\_\_\_\_ Aboveground Storage Tanks

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

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

TN ENG CONTROLS...... Engineering Control Sites
MS ENG CONTROLS..... Sites with Engineering Controls
TN INST CONTROL..... Institutional Control Sites
MS INST CONTROL..... Sites with Institutional Controls

#### State and tribal voluntary cleanup sites

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

#### State and tribal Brownfields sites

TN BROWNFIELDS..... Superfund VOAP Listing

MS 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

TN SWRCY...... Recycling Facilities Listing MS SWRCY..... Mississippi Recycling Directory

INDIAN ODI...... Report on the Status of Open Dumps on Indian Lands DEBRIS REGION 9...... Torres Martinez Reservation Illegal Dump Site Locations

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

US HIST CDL..... Delisted National Clandestine Laboratory Register TN CDL..... Registry of Contaminated Properties TN PRIORITYCLEANERS.... DCERP Remediation Sites Listing TN DEL SHWS..... Deleted State Hazardous Waste Sites US CDL..... National Clandestine Laboratory Register TN PFAS..... PFAS Contamination Site Location Listing

#### Local Lists of Registered Storage Tanks

TN HIST UST..... Underground Storage Tank Database

#### Local Land Records

TN LIENS..... Liens Information LIENS 2..... CERCLA Lien Information

#### Records of Emergency Release Reports

HMIRS..... Hazardous Materials Information Reporting System TN SPILLS..... State Spills

#### 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

Act)/TSCA (Toxic Substances Control Act)

..... 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

UXO...... Unexploded Ordnance Sites

ECHO..... Enforcement & Compliance History Information DOCKET HWC..... Hazardous Waste Compliance Docket Listing

FUELS PROGRAM..... EPA Fuels Program Registered Listing

MS AIRS\_\_\_\_\_ Air Quality Information Listing TN DRYCLEANERS...... Registered Facilities List MS DRYCLEANERS...... Drycleaner Facilities Listing TN LEAD..... Lead Safe Housing Registry

MS NPDES...... Industrial & Municipal NPDES Facilities

TN VAPOR...... Vapor Intrusion

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

#### **EDR Exclusive Records**

EDR MGP..... EDR Proprietary Manufactured Gas Plants EDR Hist Auto\_\_\_\_\_ EDR Exclusive Historical Auto Stations EDR Hist Cleaner ..... EDR Exclusive Historical Cleaners

#### **EDR RECOVERED GOVERNMENT ARCHIVES**

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

MS RGA LF...... Recovered Government Archive Solid Waste Facilities List TN RGA LUST...... Recovered Government Archive Leaking Underground Storage Tank

MS RGA LUST...... Recovered Government Archive Leaking Underground Storage Tank

#### **SURROUNDING SITES: SEARCH RESULTS**

Surrounding sites were identified in the following databases.

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

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

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

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

#### STANDARD ENVIRONMENTAL RECORDS

#### State and tribal leaking storage tank lists

TN LUST: A listing of leaking underground storage tank site locations.

A review of the TN LUST list, as provided by EDR, and dated 08/01/2019 has revealed that there is 1 TN LUST site within approximately 0.5 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
MOLTAN CO Facility Id: 8350104	145 TN 125	SSW 1/8 - 1/4 (0.230 mi.)	2	8
Current Status: 1a Completed Tan	k Closure			

#### State and tribal voluntary cleanup sites

TN SRP: The State Remediation Program (SRP) was established in 1994 within the Division of Solid Waste Management for the purpose of providing owners, prospective purchasers and other interested parties the means to voluntarily investigate, clean up or monitor contaminated sites not regulated under RCRA, CERCLA or the Tennessee Division of Underground Tanks (UST).

A review of the TN SRP list, as provided by EDR, and dated 07/01/2019 has revealed that there is 1 TN SRP site within approximately 0.5 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
EP MINERALS, LLC FKA	220 HIGHWAY 125 SOUT	SE 1/8 - 1/4 (0.230 mi.)	3	8
State Remediation Program Site Number	er: SRS351275			
Active?: CLOSED				

TN VCP: The Voluntary Cleanup Oversight and Assistance Program (VOAP) offers people the opportunity to work proactively with state government to address necessary cleanup of a property to return it to productive use. In return for their efforts, participants can receive a No Further Action letter and a release of liability for areas where investigation and cleanup is conducted The program is open to everyone with an interest in addressing contamination at a site.

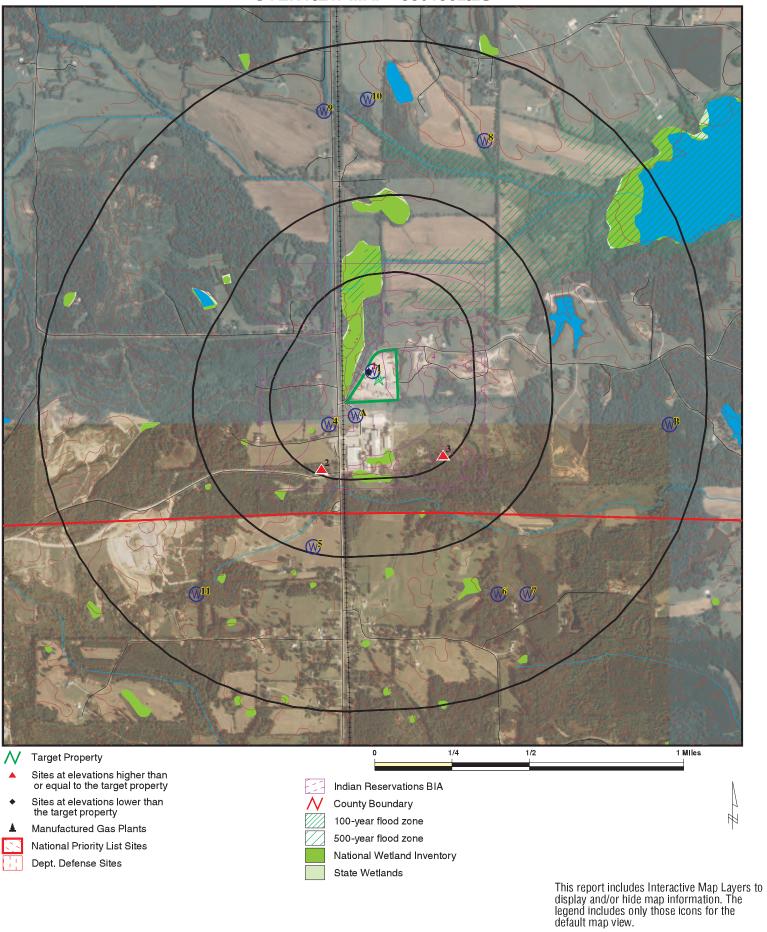
A review of the TN VCP list, as provided by EDR, and dated 07/01/2019 has revealed that there is 1 TN VCP site within approximately 0.5 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
EP MINERALS, LLC FKA	220 HIGHWAY 125 SOUT	SE 1/8 - 1/4 (0.230 mi.)	3	8

Facility Status: CLOSED Facility Id: SRS351275

There were no unmapped sites in this report.

### **OVERVIEW MAP - 5801562.2S**

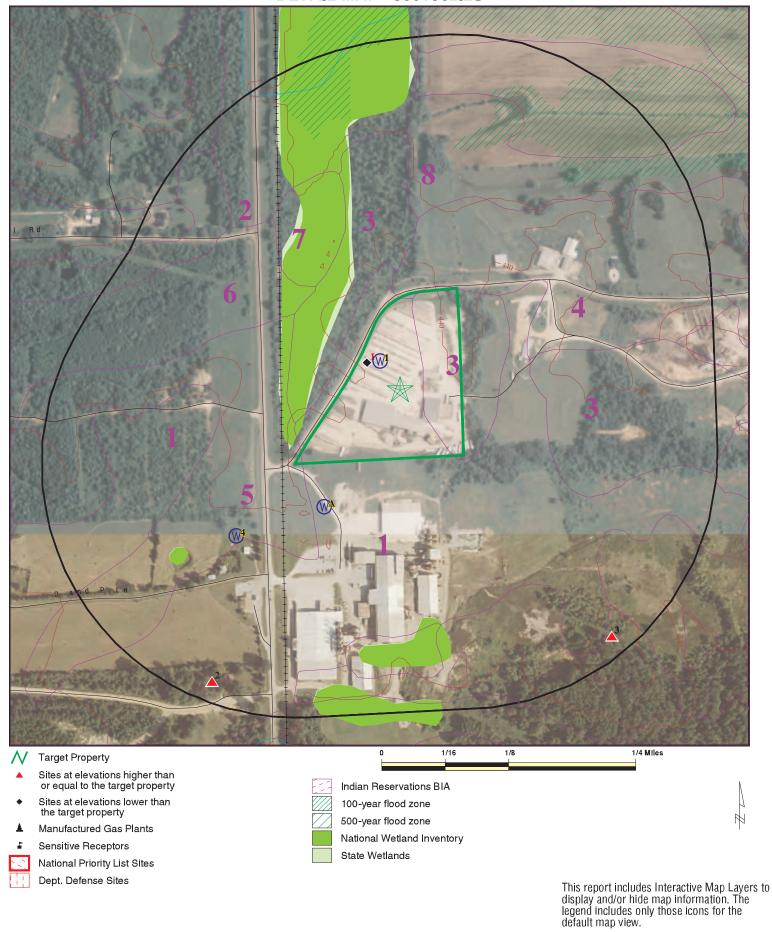


SITE NAME: 412418 ADDRESS: 4215 Winwood Farm Loop Road

Middleton TN 38052 LAT/LONG: 35.002106 / 88.8916 CLIENT: CONTACT: AEI Consultants Kailee Callaway INQUIRY#: 5801562.2s

DATE: September 24, 2019 1:32 pm

### **DETAIL MAP - 5801562.2S**



CLIENT: AEI Consultants CONTACT: Kailee Callaway INQUIRY#: 5801562.2s

DATE: September 24, 2019 1:36 pm

412418 4215 Winwood Farm Loop Road

Middleton TN 38052

35.002106 / 88.8916

SITE NAME: ADDRESS:

LAT/LONG:

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted	
STANDARD ENVIRONMENTAL RECORDS									
Federal NPL site list									
NPL Proposed NPL NPL LIENS	1.000 1.000 1.000		0 0 0	0 0 0	0 0 0	0 0 0	NR NR NR	0 0 0	
Federal Delisted NPL site	e list								
Delisted NPL	1.000		0	0	0	0	NR	0	
Federal CERCLIS list									
FEDERAL FACILITY SEMS	0.500 0.500		0 0	0 0	0 0	NR NR	NR NR	0 0	
Federal CERCLIS NFRAI	P site list								
SEMS-ARCHIVE	0.500		0	0	0	NR	NR	0	
Federal RCRA CORRAC	TS facilities li	st							
CORRACTS	1.000		0	0	0	0	NR	0	
Federal RCRA non-COR	RACTS TSD f	acilities list							
RCRA-TSDF	0.500		0	0	0	NR	NR	0	
Federal RCRA generator	s list								
RCRA-LQG RCRA-SQG RCRA-VSQG	0.250 0.250 0.250		0 0 0	0 0 0	NR NR NR	NR NR NR	NR NR NR	0 0 0	
Federal institutional con engineering controls reg									
LUCIS US ENG CONTROLS US INST CONTROL	0.500 0.500 0.500		0 0 0	0 0 0	0 0 0	NR NR NR	NR NR NR	0 0 0	
Federal ERNS list									
ERNS	TP		NR	NR	NR	NR	NR	0	
State- and tribal - equiva	lent NPL								
TN SHWS	1.000		0	0	0	0	NR	0	
State- and tribal - equiva	lent CERCLIS	8							
MS SHWS	1.000		0	0	0	0	NR	0	
State and tribal landfill a solid waste disposal site									
TN SWF/LF MS SWF/LF TN SWM COMPLAINTS	0.500 0.500 0.500	1	0 0 0	0 0 0	0 0 0	NR NR NR	NR NR NR	0 0 1	
State and tribal leaking s	storage tank l	ists							
TN LUST	0.500		0	1	0	NR	NR	1	

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
MS LUST INDIAN LUST TN LUST TRUST TN HIST_LUST CO	0.500 0.500 0.500 0.500		0 0 0	0 0 0 0	0 0 0	NR NR NR NR	NR NR NR NR	0 0 0
State and tribal registered	l storage tan	k lists						
FEMA UST TN UST MS UST TN AST MS AST INDIAN UST	0.250 0.250 0.250 0.250 0.250 0.250		0 0 0 0 0	0 0 0 0 0	NR NR NR NR NR NR	NR NR NR NR NR	NR NR NR NR NR	0 0 0 0 0
State and tribal institution control / engineering control		s						
TN ENG CONTROLS MS ENG CONTROLS TN INST CONTROL MS INST CONTROL	0.500 0.500 0.500 0.500		0 0 0 0	0 0 0 0	0 0 0 0	NR NR NR NR	NR NR NR NR	0 0 0 0
State and tribal voluntary	cleanup site	es						
TN SRP TN VCP INDIAN VCP MS VCP	0.500 0.500 0.500 0.500		0 0 0 0	1 1 0 0	0 0 0 0	NR NR NR NR	NR NR NR NR	1 1 0 0
State and tribal Brownfiel	ds sites							
TN BROWNFIELDS MS BROWNFIELDS	0.500 0.500		0 0	0 0	0 0	NR NR	NR NR	0 0
ADDITIONAL ENVIRONMENT	AL RECORDS	<u> </u>						
Local Brownfield lists								
US BROWNFIELDS	0.500		0	0	0	NR	NR	0
Local Lists of Landfill / So Waste Disposal Sites	olid							
TN SWRCY MS SWRCY INDIAN ODI DEBRIS REGION 9 ODI IHS OPEN DUMPS	0.500 0.500 0.500 0.500 0.500 0.500		0 0 0 0 0	0 0 0 0 0	0 0 0 0 0	NR NR NR NR NR	NR NR NR NR NR NR	0 0 0 0 0
Local Lists of Hazardous Contaminated Sites	waste /							
US HIST CDL TN CDL TN PRIORITYCLEANERS TN DEL SHWS	TP TP 0.500 1.000		NR NR 0 0	NR NR 0 0	NR NR 0 0	NR NR NR 0	NR NR NR NR	0 0 0 0

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
US CDL TN PFAS	TP 0.500		NR 0	NR 0	NR 0	NR NR	NR NR	0 0
Local Lists of Registered	d Storage Tai	nks						
TN HIST UST	0.250		0	0	NR	NR	NR	0
Local Land Records								
TN LIENS LIENS 2	TP TP		NR NR	NR NR	NR NR	NR NR	NR NR	0
Records of Emergency I	Release Repo	rts						
HMIRS	TP		NR	NR	NR	NR	NR	0
TN SPILLS	TP		NR	NR	NR	NR	NR	0
Other Ascertainable Rec	ords							
RCRA NonGen / NLR	0.250		0	0	NR	NR	NR	0
FUDS	1.000		0	0	0	0	NR	0
DOD SCRD DRYCLEANERS	1.000 0.500		0 0	0 0	0 0	0 NR	NR NR	0 0
US FIN ASSUR	TP		NR	NR	NR	NR	NR	0
EPA WATCH LIST	TP		NR	NR	NR	NR	NR	0
2020 COR ACTION	0.250		0	0	NR	NR	NR	0
TSCA	TP		NR	NR	NR	NR	NR	0
TRIS SSTS	TP TP		NR NR	NR NR	NR NR	NR NR	NR NR	0 0
ROD	1.000		0	0	0	0	NR	0
RMP	TP		NR	NR	NR	NR	NR	0
RAATS	TP		NR	NR	NR	NR	NR	0
PRP	TP		NR	NR	NR	NR	NR	0
PADS	TP		NR	NR	NR	NR	NR	0
ICIS	TP TD		NR	NR	NR	NR	NR	0
FTTS MLTS	TP TP		NR NR	NR NR	NR NR	NR NR	NR NR	0 0
COAL ASH DOE	TP		NR	NR	NR	NR	NR	0
COAL ASH EPA	0.500		0	0	0	NR	NR	Ö
PCB TRANSFORMER	TP		NR	NR	NR	NR	NR	0
RADINFO	TP		NR	NR	NR	NR	NR	0
HIST FTTS	TP		NR	NR	NR	NR	NR	0
DOT OPS CONSENT	TP 1.000		NR 0	NR 0	NR 0	NR 0	NR NR	0 0
INDIAN RESERV	1.000		0	0	0	0	NR	0
FUSRAP	1.000		Ö	Ö	Ö	Ö	NR	Ö
UMTRA	0.500		0	0	0	NR	NR	0
LEAD SMELTERS	TP		NR	NR	NR	NR	NR	0
US AIRS	TP		NR	NR	NR	NR	NR	0
US MINES	0.250		0 0	0 0	NR NB	NR NB	NR NB	0
ABANDONED MINES FINDS	0.250 TP		NR	NR	NR NR	NR NR	NR NR	0 0
UXO	1.000		0	0	0	0	NR	0
ECHO	TP		NR	NR	NR	NR	NR	Ö
DOCKET HWC	TP		NR	NR	NR	NR	NR	0

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted	
FUELS PROGRAM TN AIRS MS AIRS TN DRYCLEANERS MS DRYCLEANERS TN LEAD TN NPDES MS NPDES TN VAPOR	0.250 TP TP 0.250 0.250 TP TP TP 0.500		0 NR NR 0 0 NR NR NR	0 NR NR 0 0 NR NR NR	NR NR NR NR NR NR NR	NR NR NR NR NR NR NR NR	NR NR NR NR NR NR NR NR	0 0 0 0 0 0 0	
EDR HIGH RISK HISTORICAL RECORDS									
EDR Exclusive Records	5								
EDR MGP EDR Hist Auto EDR Hist Cleaner	1.000 0.125 0.125		0 0 0	0 NR NR	0 NR NR	0 NR NR	NR NR NR	0 0 0	
EDR RECOVERED GOVER	NMENT ARCHI	VES							
Exclusive Recovered G	ovt. Archives								
TN RGA LF MS RGA LF TN RGA LUST MS RGA LUST	TP TP TP TP		NR NR NR NR	NR NR NR NR	NR NR NR NR	NR NR NR NR	NR NR NR NR	0 0 0 0	
- Totals		1	0	3	0	0	0	4	

#### NOTES:

TP = Target Property

NR = Not Requested at this Search Distance

Sites may be listed in more than one database

Direction Distance

**EDR ID Number** Elevation Site Database(s) **EPA ID Number** 

**HOWELL PROPERTY** TN SWM COMPLAINTS S123318165 N/A

**4215 WINWOOD FARMS LOOP Target** 

**Property** MIDDLETON, TN

Actual: 440 ft.

2 **MOLTAN CO** TN LUST \$112209237 SSW 145 TN 125

N/A

MIDDLETON, TN 38052 1/8-1/4

0.230 mi. 1212 ft.

Relative: LUST: Higher Name: **MOLTAN CO** Address: 145 TN 125 Actual:

446 ft. City,State,Zip: MIDDLETON, TN 38052

Region: STATE Facility Id: 8350104

1a Completed Tank Closure **Current Status:** 

Product Released: Not reported Discovery Date: Not reported How Discovered: Not reported Cause: Not reported Case Manager: Not reported Case Description: Not reported Section: Not reported Priority: Not reported Company Name:

MOLTAN COMPANY Owner Address: 3555 Moltan Drive

Owner City: Memphis Owner State: ΤN Owner Zip Code: 38115 (901) 755-5666 Owner Telephone: Owner Address 2: Not reported

Not reported fadd2: Site Number:

Contact: Not reported Cac Contact: Roger Paulson Not reported Contact Title:

Consultant Address 1: 11628 South Choctaw Drive

Consultant Address 2: Not reported Contact City: Baton Rouge

Contact State: LA

Contact Phone: 2259242002 Contact zip: 70815 CAC Cac Type:

3 **EP MINERALS. LLC FKA MOLTAN COMPANY** SE 220 HIGHWAY 125 SOUTH MIDDLETON, TN 38052 1/8-1/4

0.230 mi. 1217 ft.

Relative: VCP:

Higher Name: MOLTAN COMPANY 220 HIGHWAY 125 SOUTH Address: Actual:

MIDDLETON, TN City,State,Zip: 464 ft. Facility ID: SRS351275

TC5801562.2s Page 8

S111314798

N/A

TN VCP

**TN SRP** 

**TN AIRS TN NPDES** 

Direction Distance

Elevation Site Database(s) EPA ID Number

#### EP MINERALS, LLC FKA MOLTAN COMPANY (Continued)

S111314798

**EDR ID Number** 

Facility Status: CLOSED

EFO: CENTRAL OFFICE Latitude: 34.998888 Longitude: -88.8925 Acres: 42.29

SRP:

Name: MOLTAN COMPANY
Address: 220 HIGHWAY 125 SOUTH

City, State, Zip: MIDDLETON, TN Site Control Number: Not reported State Remediation Program Site Number: SRS351275 Project Manager Initials: Justin Meredith Field Office: Not reported Contaminants Of Concern: Not reported CLOSED Active?: Number Of Days In System: Not reported Program: Voluntary SRP Subprogram: Latitude: 34.998888 -88.8925 Longitude: Acres: 42.29

AIRS:

Name: EP MINERALS, LLC FKA MOLTAN COMPANY

Address: 220 HIGHWAY 125 SOUTH

City,State,Zip: MIDDLETON, TN

edr\_flag: PERMIT
Facility Id: 35-0053
Permit Number: 467140

Type: Conditional Major(non-T5)

Permittee Name: EP Minerals, LLC

Status: Active
Issuance Date: DEC-09-2013
Expiration Date: DEC-08-2023
Region: West
EFO: Jackson

Activity Description: Conditional major operating permit issued after July 2012 testing by

facility, co will use natural gas to fire kilns and used oil/fuel in

very rare cases 884 APR-01-2013

SIC Code: 884

Application to NCO:

59982 Permit ID: Site ID: 6012 FIPS: Not reported Program System Code: Not reported Agency Facility ID: Not reported NAICS Code: Not reported NAICS Description: Not reported Facility Source Type: Not reported Pollutant Code: Not reported Not reported Pollutant Desc: Total Emissions: Not reported **Emissions Unit of Measure:** Not reported Not reported Latitude: Longitude: Not reported

Direction Distance Elevation

vation Site Database(s) EPA ID Number

#### **EP MINERALS, LLC FKA MOLTAN COMPANY (Continued)**

S111314798

**EDR ID Number** 

Contact:

Facid: 35-0053

Primary Name: EP Minerals, LLC

Category: CM

Contact Name: Mr. James Gregory
Contact Address: 220 Highway 125 South

Middleton Contact City: Contact State: TN Contact Zip: 38052 Contact Telephone: 731 376-8411 Contact Email: Not reported Contact Function1: Responsible Official Contact Function2: Not reported Contact Function3: Not reported

Facid: 35-0053

Primary Name: EP Minerals, LLC

Category: CM

Contact Name: Mr. Jim Loeppky
Contact Address: 220 Highway 125 South

Contact City: Middleton
Contact State: TN
Contact Zip: 38052
Contact Telephone: 731 376-8411

Contact Email: jim.loeppky@epminerals.com

Contact Function1: Not reported Contact Function2: Not reported Contact Function3: Not reported

Name: EP MINERALS, LLC FKA MOLTAN COMPANY

Address: 220 HIGHWAY 125 SOUTH

City, State, Zip: MIDDLETON, TN

edr\_flag: **PERMIT** Facility Id: 35-0053 Permit Number: 963842P Type: Construction Permittee Name: Moltan Company Status: Canceled Issuance Date: Not reported **Expiration Date:** Not reported Region: West EFO: Jackson

Activity Description: Minerals and Earths, Ground or Otherwise Treated

SIC Code: 3295 Application to NCO: JUL-09-2010 Permit ID: 54308 Site ID: 6012 FIPS: Not reported Program System Code: Not reported Agency Facility ID: Not reported NAICS Code: Not reported NAICS Description: Not reported Facility Source Type: Not reported Pollutant Code: Not reported Pollutant Desc: Not reported Total Emissions: Not reported

Direction Distance

Elevation Site Database(s) EPA ID Number

#### EP MINERALS, LLC FKA MOLTAN COMPANY (Continued)

S111314798

**EDR ID Number** 

Emissions Unit of Measure: Not reported Latitude: Not reported Longitude: Not reported

Contact:

Facid: 35-0053

Primary Name: EP Minerals, LLC

Category: CM

Contact Name: Mr. James Gregory
Contact Address: 220 Highway 125 South

Contact City: Middleton Contact State: TN Contact Zip: 38052 Contact Telephone: 731 376-8411 Contact Email: Not reported Contact Function1: Responsible Official Contact Function2: Not reported Contact Function3: Not reported

Facid: 35-0053
Primary Name: EP Minerals, LLC

Category: CM

Contact Name: Mr. Jim Loeppky
Contact Address: 220 Highway 125 South

Contact City: Middleton
Contact State: TN
Contact Zip: 38052
Contact Telephone: 731 376-8411

Contact Email: jim.loeppky@epminerals.com

Contact Function1: Not reported Contact Function2: Not reported Contact Function3: Not reported

Name: EP MINERALS, LLC FKA MOLTAN COMPANY

Address: 220 HIGHWAY 125 SOUTH

City, State, Zip: MIDDLETON, TN

edr\_flag: PERMIT
Facility Id: 35-0053
Permit Number: 466668

Type: Conditional Major
Permittee Name: Moltan Company LLC

Status: Canceled
Issuance Date: Not reported
Expiration Date: Not reported
Region: West
EFO: Jackson
Activity Description: Not reported
SIC Code: 884

Application to NCO: OCT-25-2012 Permit ID: 59251 Site ID: 6012 FIPS: Not reported Program System Code: Not reported Agency Facility ID: Not reported NAICS Code: Not reported NAICS Description: Not reported Facility Source Type: Not reported

Direction Distance

Elevation Site Database(s) EPA ID Number

#### EP MINERALS, LLC FKA MOLTAN COMPANY (Continued)

S111314798

**EDR ID Number** 

Pollutant Code:

Pollutant Desc:

Total Emissions:

Emissions Unit of Measure:

Latitude:

Longitude:

Not reported

Not reported

Not reported

Not reported

Not reported

Not reported

Contact:

Facid: 35-0053

Primary Name: EP Minerals, LLC

Category: CM

Contact Name: Mr. James Gregory
Contact Address: 220 Highway 125 South

Contact City: Middleton Contact State: TN Contact Zip: 38052 Contact Telephone: 731 376-8411 Contact Email: Not reported Contact Function1: Responsible Official Contact Function2: Not reported Contact Function3: Not reported

Facid: 35-0053

Primary Name: EP Minerals, LLC

Category: CM

Contact Name: Mr. Jim Loeppky
Contact Address: 220 Highway 125 South

Contact City: Middleton
Contact State: TN
Contact Zip: 38052
Contact Telephone: 731 376-8411

Contact Email: jim.loeppky@epminerals.com

Contact Function1: Not reported Contact Function2: Not reported Contact Function3: Not reported

NPDES:

Name: EP MINERALS, LLC FKA MOLTAN COMPANY

Address: 220 HIGHWAY 125 SOUTH City, State, Zip: MIDDLETON, TN 38052

Permit Number: TNR051140
Permit Type: TMSP
Permitting Action: Active

Permittee Name: EP Minerals, LLC
EFO Name: Memphis
Function1: Official Contact
Function2: Not reported

Name: Plant Manager Jim Loeppky

 Company:
 EP Minerals, LLC

 Address:
 220 Highway 125 South

 City/Zip:
 Middleton 38052

 Phone:
 376-8411

Email: jim.loeppky@epminerals.com

Mailing Addr 2: Not reported Issuance: 06/25/2015 Expiration: 04/14/2020

Direction Distance

**EDR ID Number** Elevation Site Database(s) **EPA ID Number** 

#### **EP MINERALS, LLC FKA MOLTAN COMPANY (Continued)**

S111314798

Effective: 06/25/2015 Rating: N/A NPDES Permit: Not reported Not reported 06/01/2015 App for Environemntal Field Office: App for NCO:

Activity Description: Plant for the processing of montmorillonite clay into oil absorbent

material and kitty litter+storm water from haul road associed with

offsite clay mines.

Effluent Description: Industrial Stormwater

SIC Code: 3295

Receiving Stream: unnamed tributaries of Colonel Fork Creek and Hersey Creek

Site ID: 6012 Discharge Code: SW

Count: 0 records. ORPHAN SUMMARY

City EDR ID Site Name Site Address Zip Database(s)

NO SITES FOUND

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: 07/19/2019 Source: EPA
Date Data Arrived at EDR: 07/30/2019 Telephone: N/A

Number of Days to Update: 35 Next Scheduled EDR Contact: 10/14/2019
Data Release Frequency: Quarterly

**NPL Site Boundaries** 

Sources

EPA's Environmental Photographic Interpretation Center (EPIC)

Telephone: 202-564-7333

EPA Region 1 EPA Region 6

Telephone 617-918-1143 Telephone: 214-655-6659

EPA Region 3 EPA Region 7

Telephone 215-814-5418 Telephone: 913-551-7247

EPA Region 4 EPA Region 8

Telephone 404-562-8033 Telephone: 303-312-6774

EPA Region 5 EPA Region 9

Telephone 312-886-6686 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: 07/19/2019
Date Data Arrived at EDR: 07/30/2019
Date Made Active in Percent: 09/03/2019

Date Made Active in Reports: 09/03/2019

Number of Days to Update: 35

Source: EPA Telephone: N/A

Last EDR Contact: 09/05/2019

Next Scheduled EDR Contact: 10/14/2019 Data Release Frequency: Quarterly

NPL LIENS: Federal Superfund Liens

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

Date of Government Version: 10/15/1991 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: 07/19/2019 Date Data Arrived at EDR: 07/30/2019 Date Made Active in Reports: 09/03/2019

Number of Days to Update: 35

Source: EPA Telephone: N/A

Last EDR Contact: 09/05/2019

Next Scheduled EDR Contact: 10/14/2019 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: 07/03/2019

Next Scheduled EDR Contact: 10/14/2019 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 know 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: 07/19/2019
Date Data Arrived at EDR: 07/30/2019
Date Made Active in Reports: 09/03/2019
Number of Days to Lindate: 35

Number of Days to Update: 35

Source: EPA Telephone: 800-424-9346 Last EDR Contact: 09/05/2019

Next Scheduled EDR Contact: 10/28/2019 Data Release Frequency: Quarterly

#### Federal CERCLIS NFRAP site list

SEMS-ARCHIVE: Superfund Enterprise Management System Archive

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: 07/19/2019 Date Data Arrived at EDR: 07/30/2019 Date Made Active in Reports: 09/03/2019

Number of Days to Update: 35

Source: EPA

Telephone: 800-424-9346 Last EDR Contact: 09/05/2019

Next Scheduled EDR Contact: 10/28/2019 Data Release Frequency: Quarterly

### Federal RCRA CORRACTS facilities list

CORRACTS: Corrective Action Report

CORRACTS identifies hazardous waste handlers with RCRA corrective action activity.

Date of Government Version: 03/25/2019 Date Data Arrived at EDR: 03/27/2019 Date Made Active in Reports: 04/17/2019

Number of Days to Update: 21

Source: EPA

Telephone: 800-424-9346 Last EDR Contact: 09/16/2019

Next Scheduled EDR Contact: 01/06/2020 Data Release Frequency: Quarterly

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

RCRA-TSDF: RCRA - Treatment, Storage and Disposal

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

Date of Government Version: 03/25/2019 Date Data Arrived at EDR: 03/27/2019 Date Made Active in Reports: 04/17/2019

Number of Days to Update: 21

Source: Environmental Protection Agency

Telephone: (404) 562-8651 Last EDR Contact: 09/16/2019

Next Scheduled EDR Contact: 01/06/2020 Data Release Frequency: Quarterly

### Federal RCRA generators list

RCRA-LQG: RCRA - Large Quantity Generators

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

Date of Government Version: 03/25/2019 Date Data Arrived at EDR: 03/27/2019 Date Made Active in Reports: 04/17/2019

Number of Days to Update: 21

Source: Environmental Protection Agency Telephone: (404) 562-8651

Last EDR Contact: 09/16/2019

Next Scheduled EDR Contact: 01/06/2020 Data Release Frequency: Quarterly

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

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

Date of Government Version: 03/25/2019 Date Data Arrived at EDR: 03/27/2019 Date Made Active in Reports: 04/17/2019

Number of Days to Update: 21

Source: Environmental Protection Agency

Telephone: (404) 562-8651 Last EDR Contact: 09/16/2019

Next Scheduled EDR Contact: 01/06/2020 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: 03/25/2019 Date Data Arrived at EDR: 03/27/2019 Date Made Active in Reports: 04/17/2019

Number of Days to Update: 21

Source: Environmental Protection Agency

Telephone: (404) 562-8651 Last EDR Contact: 09/16/2019

Next Scheduled EDR Contact: 01/06/2020 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: 08/13/2019 Date Data Arrived at EDR: 08/20/2019 Date Made Active in Reports: 08/26/2019

Number of Days to Update: 6

Source: Department of the Navy Telephone: 843-820-7326 Last EDR Contact: 08/07/2019

Next Scheduled EDR Contact: 11/25/2019 Data Release Frequency: Varies

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

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

Date of Government Version: 08/19/2019 Date Data Arrived at EDR: 08/20/2019 Date Made Active in Reports: 08/26/2019

Number of Days to Update: 6

Source: Environmental Protection Agency

Telephone: 703-603-0695 Last EDR Contact: 08/20/2019

Next Scheduled EDR Contact: 12/09/2019 Data Release Frequency: Varies

### US INST CONTROL: Sites with Institutional Controls

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

Date of Government Version: 08/19/2019 Date Data Arrived at EDR: 08/20/2019 Date Made Active in Reports: 08/26/2019

Number of Days to Update: 6

Source: Environmental Protection Agency

Telephone: 703-603-0695 Last EDR Contact: 08/20/2019

Next Scheduled EDR Contact: 12/09/2019 Data Release Frequency: Varies

#### Federal ERNS list

ERNS: Emergency Response Notification System

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

Date of Government Version: 09/09/2019 Date Data Arrived at EDR: 09/09/2019 Date Made Active in Reports: 09/23/2019

Number of Days to Update: 14

Source: National Response Center, United States Coast Guard

Telephone: 202-267-2180 Last EDR Contact: 09/09/2019

Next Scheduled EDR Contact: 01/06/2020 Data Release Frequency: Quarterly

### State- and tribal - equivalent NPL

### TN SHWS: Promulgated Sites

"Inactive hazardous substance sites that constitute an imminent, substantial danger" is an inactive hazardous substance site where there is a threat of danger to the public health, safety, or environment which is both real and presently existing. Such situations may include, but are not limited to one or more of the following: an immediate action is necessary to minimize an ongoing threat to the public health or pollution of the environment, an inactive hazardous substance site where there is an active release, where direct access to the hazardous substance is not controlled, or where incompatible hazardous substances are found in close proximity. Also known as Promulgated Sites List.

Date of Government Version: 07/01/2019 Date Data Arrived at EDR: 07/02/2019 Date Made Active in Reports: 09/18/2019

Number of Days to Update: 78

Source: Department of Environment & Conservation

Telephone: 615-532-0900 Last EDR Contact: 07/02/2019

Next Scheduled EDR Contact: 10/14/2019 Data Release Frequency: Semi-Annually

### State- and tribal - equivalent CERCLIS

### MS 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: 05/10/2019 Date Data Arrived at EDR: 06/26/2019 Date Made Active in Reports: 09/10/2019

Number of Days to Update: 76

Source: Department of Environmental Quality

Telephone: 601-961-5666 Last EDR Contact: 06/26/2019

Next Scheduled EDR Contact: 10/07/2019 Data Release Frequency: Quarterly

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

### TN SWF/LF: Solid Waste Disposal Facilities

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

Date of Government Version: 06/11/2019 Date Data Arrived at EDR: 06/12/2019 Date Made Active in Reports: 06/13/2019

Number of Days to Update: 1

Source: Department of Environment and Conservation

Telephone: 615-532-0804 Last EDR Contact: 09/10/2019

Next Scheduled EDR Contact: 12/23/2019 Data Release Frequency: Quarterly

### MS 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: 08/23/2019

Next Scheduled EDR Contact: 12/02/2019 Data Release Frequency: Varies

TN SWM COMPLAINTS: Solid Waste Management Complaints

A listing of reported complaints related to the Solid Waste Management division.

Date of Government Version: 03/12/2019 Date Data Arrived at EDR: 03/12/2019 Date Made Active in Reports: 04/29/2019

Number of Days to Update: 48

Source: Department of Environment & Conservation

Telephone: 615-532-0780 Last EDR Contact: 08/21/2019

Next Scheduled EDR Contact: 12/09/2019 Data Release Frequency: Varies

### State and tribal leaking storage tank lists

TN LUST: Fund Eligible Leaking Underground Storage Tank Sites A listing of leaking underground storage tank site locations.

Date of Government Version: 08/01/2019 Date Data Arrived at EDR: 08/14/2019 Date Made Active in Reports: 09/20/2019

Number of Days to Update: 37

Source: Department of Environment and Conservation

Telephone: 615-532-0945 Last EDR Contact: 08/14/2019

Next Scheduled EDR Contact: 11/25/2019 Data Release Frequency: Semi-Annually

MS 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: 06/24/2019 Date Data Arrived at EDR: 06/26/2019 Date Made Active in Reports: 09/11/2019

Number of Days to Update: 77

Source: Department of Environmental Quality

Telephone: 601-961-5058 Last EDR Contact: 06/26/2019

Next Scheduled EDR Contact: 10/07/2019 Data Release Frequency: Quarterly

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

Date of Government Version: 10/17/2018 Date Data Arrived at EDR: 03/07/2019 Date Made Active in Reports: 05/01/2019

Number of Days to Update: 55

Source: EPA Region 10 Telephone: 206-553-2857 Last EDR Contact: 07/29/2019

Next Scheduled EDR Contact: 11/04/2019 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: 10/10/2018 Date Data Arrived at EDR: 03/08/2019 Date Made Active in Reports: 05/01/2019

Number of Days to Update: 54

Source: Environmental Protection Agency

Telephone: 415-972-3372 Last EDR Contact: 07/29/2019

Next Scheduled EDR Contact: 11/04/2019 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: 10/16/2018 Date Data Arrived at EDR: 03/07/2019 Date Made Active in Reports: 05/01/2019

Number of Days to Update: 55

Source: EPA Region 8 Telephone: 303-312-6271 Last EDR Contact: 07/29/2019

Next Scheduled EDR Contact: 11/04/2019 Data Release Frequency: Varies

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

Date of Government Version: 02/19/2019 Date Data Arrived at EDR: 03/07/2019 Date Made Active in Reports: 05/01/2019

Number of Days to Update: 55

Source: EPA Region 7 Telephone: 913-551-7003 Last EDR Contact: 07/29/2019

Next Scheduled EDR Contact: 11/04/2019 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: 11/01/2018 Date Data Arrived at EDR: 03/07/2019 Date Made Active in Reports: 05/01/2019

Number of Days to Update: 55

Source: EPA Region 6 Telephone: 214-665-6597 Last EDR Contact: 07/29/2019

Next Scheduled EDR Contact: 11/04/2019 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: 09/24/2018 Date Data Arrived at EDR: 03/12/2019 Date Made Active in Reports: 05/01/2019

Number of Days to Update: 50

Source: EPA Region 4 Telephone: 404-562-8677 Last EDR Contact: 07/23/2019

Next Scheduled EDR Contact: 11/04/2019 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: 10/13/2018 Date Data Arrived at EDR: 03/07/2019 Date Made Active in Reports: 05/01/2019

Number of Days to Update: 55

Source: EPA Region 1 Telephone: 617-918-1313 Last EDR Contact: 07/29/2019

Next Scheduled EDR Contact: 11/04/2019 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: 10/12/2018 Date Data Arrived at EDR: 03/07/2019 Date Made Active in Reports: 05/01/2019

Number of Days to Update: 55

Source: EPA, Region 5 Telephone: 312-886-7439 Last EDR Contact: 07/29/2019

Next Scheduled EDR Contact: 11/04/2019 Data Release Frequency: Varies

TN LUST TRUST: LUST TRUST Fund Database

This list contains information on sites that had accidental releases of petroleum and are eligible for reimbursement from the TN Petroleum UST Fund.

Date of Government Version: 08/01/2019 Date Data Arrived at EDR: 08/14/2019 Date Made Active in Reports: 09/20/2019

Number of Days to Update: 37

Source: Department of Environment & Conservation

Telephone: 615-532-0971 Last EDR Contact: 08/14/2019

Next Scheduled EDR Contact: 11/25/2019 Data Release Frequency: Semi-Annually

TN HIST\_LUST CO: Leaking Underground Storage Tanks Sites

A listing of leaking underground storage tank site locations from the Columbia Field Office. The listing is no longer updated.

Date of Government Version: 10/18/1994 Date Data Arrived at EDR: 10/24/1994 Date Made Active in Reports: 12/30/1994

Number of Days to Update: 67

Source: Department of Environmental Conservation, Columbia Field Office

Telephone: 931-380-3371 Last EDR Contact: 06/29/2009

Next Scheduled EDR Contact: 09/28/2009 Data Release Frequency: No Update Planned

#### State and tribal registered storage tank lists

FEMA UST: Underground Storage Tank Listing

A listing of all FEMA owned underground storage tanks.

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

Number of Days to Update: 136

Source: FEMA

Telephone: 202-646-5797 Last EDR Contact: 08/26/2019

Next Scheduled EDR Contact: 10/21/2019 Data Release Frequency: Varies

TN UST: Facility and Tank Report

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: 08/01/2019 Date Data Arrived at EDR: 08/14/2019 Date Made Active in Reports: 09/20/2019

Number of Days to Update: 37

Source: Department of Environment and Conservation

Telephone: 615-532-0945 Last EDR Contact: 08/14/2019

Next Scheduled EDR Contact: 11/25/2019 Data Release Frequency: Semi-Annually

MS 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: 06/24/2019 Date Data Arrived at EDR: 06/26/2019 Date Made Active in Reports: 09/16/2019

Number of Days to Update: 82

Source: Department of Environmental Quality

Telephone: 601-961-5058 Last EDR Contact: 06/26/2019

Next Scheduled EDR Contact: 10/07/2019 Data Release Frequency: Quarterly

TN AST: Aboveground Storage Tanks
Registered Aboveground Storage Tanks.

Date of Government Version: 10/01/1999 Date Data Arrived at EDR: 10/12/1999 Date Made Active in Reports: 11/05/1999

Number of Days to Update: 24

Source: Department of Environment and Conservation

Telephone: 615-532-0965 Last EDR Contact: 04/22/2019

Next Scheduled EDR Contact: 08/05/2019
Data Release Frequency: No Update Planned

MS 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: 05/23/2019 Date Data Arrived at EDR: 06/14/2019 Date Made Active in Reports: 08/27/2019

Number of Days to Update: 74

Source: Department of Agriculture & Commerce

Telephone: 601-359-1101 Last EDR Contact: 08/19/2019

Next Scheduled EDR Contact: 12/02/2019 Data Release Frequency: Quarterly

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: 11/07/2018 Date Data Arrived at EDR: 03/07/2019 Date Made Active in Reports: 05/01/2019

Number of Days to Update: 55

Source: EPA Region 7 Telephone: 913-551-7003 Last EDR Contact: 07/29/2019

Next Scheduled EDR Contact: 11/04/2019 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: 11/01/2018 Date Data Arrived at EDR: 03/07/2019 Date Made Active in Reports: 05/01/2019

Number of Days to Update: 55

Source: EPA Region 6 Telephone: 214-665-7591 Last EDR Contact: 07/29/2019

Next Scheduled EDR Contact: 11/04/2019 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: 10/12/2018 Date Data Arrived at EDR: 03/07/2019 Date Made Active in Reports: 05/01/2019

Number of Days to Update: 55

Source: EPA Region 5 Telephone: 312-886-6136 Last EDR Contact: 07/29/2019

Next Scheduled EDR Contact: 11/05/2019 Data Release Frequency: Varies

INDIAN UST R4: Underground Storage Tanks on Indian Land

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

Date of Government Version: 09/24/2018 Date Data Arrived at EDR: 03/12/2019 Date Made Active in Reports: 05/01/2019

Number of Days to Update: 50

Source: EPA Region 4 Telephone: 404-562-9424 Last EDR Contact: 07/23/2019

Next Scheduled EDR Contact: 11/04/2019 Data Release Frequency: Varies

INDIAN UST R10: Underground Storage Tanks on Indian Land

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

Date of Government Version: 10/17/2018 Date Data Arrived at EDR: 03/07/2019 Date Made Active in Reports: 05/01/2019

Number of Days to Update: 55

Source: EPA Region 10 Telephone: 206-553-2857 Last EDR Contact: 07/29/2019

Next Scheduled EDR Contact: 11/04/2019 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: 10/10/2018 Date Data Arrived at EDR: 03/08/2019 Date Made Active in Reports: 05/01/2019

Number of Days to Update: 54

Source: EPA Region 9 Telephone: 415-972-3368 Last EDR Contact: 07/29/2019

Next Scheduled EDR Contact: 11/04/2019 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: 10/03/2018 Date Data Arrived at EDR: 03/07/2019 Date Made Active in Reports: 05/01/2019

Number of Days to Update: 55

Source: EPA, Region 1 Telephone: 617-918-1313 Last EDR Contact: 07/29/2019

Next Scheduled EDR Contact: 11/04/2019 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: 10/16/2018 Date Data Arrived at EDR: 03/07/2019 Date Made Active in Reports: 05/01/2019

Number of Days to Update: 55

Source: EPA Region 8 Telephone: 303-312-6137 Last EDR Contact: 08/05/2019

Next Scheduled EDR Contact: 11/04/2019 Data Release Frequency: Varies

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

TN ENG CONTROLS: Engineering Control Sites Sites that have engineering controls.

Date of Government Version: 08/12/2019 Date Data Arrived at EDR: 08/13/2019 Date Made Active in Reports: 09/20/2019

Number of Days to Update: 38

Source: Department of Environment & Conservation

Telephone: 615-532-0900 Last EDR Contact: 08/13/2019

Next Scheduled EDR Contact: 11/25/2019 Data Release Frequency: Semi-Annually

#### MS 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: 05/10/2019 Date Data Arrived at EDR: 06/26/2019 Date Made Active in Reports: 09/10/2019

Number of Days to Update: 76

Source: Department of Environmental Quality

Telephone: 601-961-5666 Last EDR Contact: 06/26/2019

Next Scheduled EDR Contact: 10/07/2019 Data Release Frequency: Quarterly

TN INST CONTROL: Institutional Control Sites Sites that have institutional controls.

Date of Government Version: 08/12/2019 Date Data Arrived at EDR: 08/13/2019 Date Made Active in Reports: 09/20/2019

Number of Days to Update: 38

Source: Department of Environment & Conservation

Telephone: 615-532-0900 Last EDR Contact: 08/13/2019

Next Scheduled EDR Contact: 11/25/2019 Data Release Frequency: Semi-Annually

### MS 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: 05/10/2019 Date Data Arrived at EDR: 06/26/2019 Date Made Active in Reports: 09/10/2019

Number of Days to Update: 76

Source: Department of Environmental Quality

Telephone: 601-961-5666 Last EDR Contact: 06/26/2019

Next Scheduled EDR Contact: 10/07/2019 Data Release Frequency: Quarterly

## State and tribal voluntary cleanup sites

#### TN VCP: Voluntary Cleanup, Oversight and Assistance Program Sites

The Voluntary Cleanup Oversight and Assistance Program (VOAP) offers people the opportunity to work proactively with state government to address necessary cleanup of a property to return it to productive use. In return for their efforts, participants can receive a No Further Action letter and a release of liability for areas where investigation and cleanup is conducted. The program is open to everyone with an interest in addressing contamination at a site.

Date of Government Version: 07/01/2019 Date Data Arrived at EDR: 07/02/2019 Date Made Active in Reports: 09/20/2019

Number of Days to Update: 80

Source: Department of Environmental & Conservation

Telephone: 615-532-0912 Last EDR Contact: 07/02/2019

Next Scheduled EDR Contact: 10/14/2019 Data Release Frequency: Semi-Annually

TN SRP: State Remediation Program List

The State Remediation Program (SRP) was established in 1994 within the Division of Solid Waste Management for the purpose of providing owners, prospective purchasers and other interested parties the means to voluntarily investigate, clean up or monitor contaminated sites not regulated under RCRA, CERCLA or the Tennessee Division of Underground Tanks (UST).

Date of Government Version: 07/01/2019 Date Data Arrived at EDR: 07/02/2019 Date Made Active in Reports: 09/20/2019

Number of Days to Update: 80

Source: Department of Environemtn & Conservation

Telephone: 615-532-0853 Last EDR Contact: 07/02/2019

Next Scheduled EDR Contact: 10/14/2019 Data Release Frequency: Semi-Annually

INDIAN VCP R7: Voluntary Cleanup Priority Lisitng

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: 09/19/2019

Next Scheduled EDR Contact: 01/06/2020 Data Release Frequency: Varies

MS 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: 05/10/2019 Date Data Arrived at EDR: 06/26/2019 Date Made Active in Reports: 09/10/2019

Number of Days to Update: 76

Source: Department of Environmental Quality

Telephone: 601-961-5063 Last EDR Contact: 06/26/2019

Next Scheduled EDR Contact: 10/07/2019
Data Release Frequency: Quarterly

### State and tribal Brownfields sites

TN BROWNFIELDS: Superfund VOAP Listing

Brownfields sites included on the Superfund Voluntary Cleanup, Oversight & Assistance Program listing.

Date of Government Version: 06/27/2016 Date Data Arrived at EDR: 07/08/2016 Date Made Active in Reports: 09/14/2016

Number of Days to Update: 68

Source: Department of Environment & Conservation

Telephone: 615-532-0912 Last EDR Contact: 06/26/2019

Next Scheduled EDR Contact: 10/14/2019 Data Release Frequency: Varies

MS 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).

Date of Government Version: 05/10/2019 Date Data Arrived at EDR: 06/26/2019 Date Made Active in Reports: 09/10/2019

Number of Days to Update: 76

Source: Department of Environmental Quality

Telephone: 601-961-5666 Last EDR Contact: 06/26/2019

Next Scheduled EDR Contact: 10/07/2019 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: 06/03/2019 Date Data Arrived at EDR: 06/04/2019 Date Made Active in Reports: 08/26/2019

Number of Days to Update: 83

Source: Environmental Protection Agency

Telephone: 202-566-2777 Last EDR Contact: 09/19/2019

Next Scheduled EDR Contact: 12/30/2019 Data Release Frequency: Semi-Annually

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

TN SWRCY: Recycling Facilities Listing A listing of recycling facility locations.

Date of Government Version: 06/11/2019 Date Data Arrived at EDR: 06/12/2019 Date Made Active in Reports: 06/13/2019

Number of Days to Update: 1

Source: Department of Environment & Conservation

Telephone: 615-532-8657 Last EDR Contact: 09/10/2019

Next Scheduled EDR Contact: 12/23/2019 Data Release Frequency: Varies

MS 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: 08/23/2019

Next Scheduled EDR Contact: 12/02/2019 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: 07/25/2019

Next Scheduled EDR Contact: 11/11/2019 Data Release Frequency: Varies

DEBRIS REGION 9: Torres Martinez Reservation Illegal Dump Site Locations

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

Date of Government Version: 01/12/2009 Date Data Arrived at EDR: 05/07/2009 Date Made Active in Reports: 09/21/2009

Number of Days to Update: 137

Source: EPA, Region 9 Telephone: 415-947-4219 Last EDR Contact: 07/19/2019

Next Scheduled EDR Contact: 11/04/2019
Data Release Frequency: No Update Planned

ODI: Open Dump Inventory

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

Subtitle D Criteria.

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

Number of Days to Update: 39

Source: Environmental Protection Agency

Telephone: 800-424-9346 Last EDR Contact: 06/09/2004 Next Scheduled EDR Contact: N/A

Data Release Frequency: No Update Planned

IHS OPEN DUMPS: Open Dumps on Indian Land

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

Date of Government Version: 04/01/2014 Date Data Arrived at EDR: 08/06/2014 Date Made Active in Reports: 01/29/2015

Number of Days to Update: 176

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

Telephone: 301-443-1452 Last EDR Contact: 08/02/2019

Next Scheduled EDR Contact: 11/11/2019 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

Date of Government Version: 06/11/2019 Date Data Arrived at EDR: 06/13/2019 Date Made Active in Reports: 09/03/2019

Number of Days to Update: 82

Source: Drug Enforcement Administration

Telephone: 202-307-1000 Last EDR Contact: 08/21/2019

Next Scheduled EDR Contact: 12/09/2019
Data Release Frequency: No Update Planned

### TN CDL: Registry of Contaminated Properties

Pursuant to TCA 68212509 the following properties have been quarantined because of methamphetamine production, but have not been cleaned and certified within the 60day time frame allotted by the statute. These properties are hereby registered by the Tennessee Department of Environment and Conservation as unremediated methamphetamine sites. This is not a comprehensive list of quarantined properties. These are properties that TDEC has been notified as being quarantined, but have not been cleaned within the 60 day grace period. Other properties where methamphetamine production residues are a concern may not have been quarantined, may not have been reported to TDEC, or may not have passed the 60day grace

Date of Government Version: 07/01/2019 Date Data Arrived at EDR: 07/31/2019 Date Made Active in Reports: 09/20/2019

Number of Days to Update: 51

Source: Department of Environment & Conservation

Telephone: 615-532-0900 Last EDR Contact: 07/31/2019

Next Scheduled EDR Contact: 11/11/2019 Data Release Frequency: Quarterly

TN PRIORITY CLEANERS: DCERP Remediation Sites Listing

Drycleaner Environmental Response Program remediation sites.

Date of Government Version: 07/16/2019 Date Data Arrived at EDR: 07/18/2019 Date Made Active in Reports: 09/20/2019

Number of Days to Update: 64

Source: Department of Environment & Conservation

Telephone: 615-253-3876 Last EDR Contact: 07/18/2019

Next Scheduled EDR Contact: 10/28/2019 Data Release Frequency: Annually

TN DEL SHWS: Deleted State Hazardous Waste Sites

A listing of sites removed from the Promulgated Sites Listing.

Date of Government Version: 07/01/2019 Date Data Arrived at EDR: 07/02/2019 Date Made Active in Reports: 09/18/2019

Number of Days to Update: 78

Source: Department of Environment & Conservation

Telephone: 615-532-0900 Last EDR Contact: 07/02/2019

Next Scheduled EDR Contact: 10/14/2019 Data Release Frequency: Semi-Annually

### US CDL: Clandestine Drug Labs

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

Date of Government Version: 06/11/2019 Date Data Arrived at EDR: 06/13/2019 Date Made Active in Reports: 09/03/2019

Number of Days to Update: 82

Source: Drug Enforcement Administration

Telephone: 202-307-1000 Last EDR Contact: 08/21/2019

Next Scheduled EDR Contact: 12/09/2019 Data Release Frequency: Quarterly

### TN PFAS: PFAS Contamination Site Location Listing

A listing of sites where PFAS has been detected to date.

Date of Government Version: 02/15/2019 Date Data Arrived at EDR: 02/19/2019 Date Made Active in Reports: 03/22/2019

Number of Days to Update: 31

Source: Department of Environment & Conservation

Telephone: 615-532-5281 Last EDR Contact: 09/06/2019

Next Scheduled EDR Contact: 12/02/2019 Data Release Frequency: Varies

### Local Lists of Registered Storage Tanks

### TN HIST UST: Underground Storage Tank Database

This database is no longer updated by the agency. It contains records and detail fields that the current UST database does not.

Date of Government Version: 08/01/2019 Date Data Arrived at EDR: 08/14/2019 Date Made Active in Reports: 09/20/2019

Number of Days to Update: 37

Source: Department of Environment & Conservation

Telephone: 615-532-0945 Last EDR Contact: 08/14/2019

Next Scheduled EDR Contact: 11/25/2019
Data Release Frequency: No Update Planned

### Local Land Records

### TN LIENS: Liens Information

A listing of sites with environmental liens information.

Date of Government Version: 03/10/2015 Date Data Arrived at EDR: 04/07/2015 Date Made Active in Reports: 04/30/2015

Number of Days to Update: 23

Source: Department of Environment & Conservation

Telephone: 615-532-0900 Last EDR Contact: 06/26/2019

Next Scheduled EDR Contact: 10/14/2019 Data Release Frequency: Varies

### 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: 07/30/2019 Date Data Arrived at EDR: 07/30/2019 Date Made Active in Reports: 09/03/2019

Number of Days to Update: 35

Source: Environmental Protection Agency

Telephone: 202-564-6023 Last EDR Contact: 09/05/2019

Next Scheduled EDR Contact: 10/14/2019 Data Release Frequency: Semi-Annually

### Records of Emergency Release Reports

HMIRS: Hazardous Materials Information Reporting System

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

Date of Government Version: 06/24/2019 Date Data Arrived at EDR: 06/26/2019 Date Made Active in Reports: 09/23/2019

Number of Days to Update: 89

Source: U.S. Department of Transportation

Telephone: 202-366-4555 Last EDR Contact: 06/26/2019

Next Scheduled EDR Contact: 10/07/2019 Data Release Frequency: Quarterly

TN SPILLS: State Spills
A listing of spills locations.

Date of Government Version: 01/05/2015 Date Data Arrived at EDR: 01/06/2015 Date Made Active in Reports: 02/10/2015

Number of Days to Update: 35

Source: Department of Environment & Conservation

Telephone: 615-532-0109 Last EDR Contact: 06/26/2019

Next Scheduled EDR Contact: 10/14/2019 Data Release Frequency: Varies

#### Other Ascertainable Records

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

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

Date of Government Version: 03/25/2019 Date Data Arrived at EDR: 03/27/2019 Date Made Active in Reports: 04/17/2019

Number of Days to Update: 21

Source: Environmental Protection Agency

Telephone: (404) 562-8651 Last EDR Contact: 09/16/2019

Next Scheduled EDR Contact: 01/06/2020 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: 05/15/2019 Date Data Arrived at EDR: 05/21/2019 Date Made Active in Reports: 08/08/2019

Number of Days to Update: 79

Source: U.S. Army Corps of Engineers

Telephone: 202-528-4285 Last EDR Contact: 08/23/2019

Next Scheduled EDR Contact: 12/02/2019
Data Release Frequency: Varies

DOD: Department of Defense Sites

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

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

Number of Days to Update: 62

Source: USGS

Telephone: 888-275-8747 Last EDR Contact: 07/09/2019

Next Scheduled EDR Contact: 10/21/2019 Data Release Frequency: Semi-Annually

FEDLAND: Federal and Indian Lands

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

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

Number of Days to Update: 339

Source: U.S. Geological Survey Telephone: 888-275-8747 Last EDR Contact: 07/10/2019

Next Scheduled EDR Contact: 10/21/2019

Data Release Frequency: N/A

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

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

Date of Government Version: 01/01/2017 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: 08/16/2019

Next Scheduled EDR Contact: 11/25/2019

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: 06/24/2019 Date Data Arrived at EDR: 06/26/2019 Date Made Active in Reports: 09/23/2019

Number of Days to Update: 89

Source: Environmental Protection Agency

Telephone: 202-566-1917 Last EDR Contact: 06/26/2019

Next Scheduled EDR Contact: 10/07/2019 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: 08/05/2019

Next Scheduled EDR Contact: 11/18/2019 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: 08/09/2019

Next Scheduled EDR Contact: 11/18/2019 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: 06/21/2017 Date Made Active in Reports: 01/05/2018

Number of Days to Update: 198

Source: EPA

Telephone: 202-260-5521 Last EDR Contact: 09/19/2019

Next Scheduled EDR Contact: 12/30/2019 Data Release Frequency: Every 4 Years

### TRIS: Toxic Chemical Release Inventory System

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

Date of Government Version: 12/31/2016
Date Data Arrived at EDR: 01/10/2018
Date Made Active in Reports: 01/12/2018

Number of Days to Update: 2

Source: EPA

Telephone: 202-566-0250 Last EDR Contact: 08/23/2019

Next Scheduled EDR Contact: 12/02/2019 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: 09/30/2018
Date Data Arrived at EDR: 04/24/2019
Date Made Active in Reports: 08/08/2019

Number of Days to Update: 106

Source: EPA

Telephone: 202-564-4203 Last EDR Contact: 07/26/2019

Next Scheduled EDR Contact: 11/04/2019 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: 07/19/2019 Date Data Arrived at EDR: 07/30/2019 Date Made Active in Reports: 09/03/2019

Number of Days to Update: 35

Source: EPA

Telephone: 703-416-0223 Last EDR Contact: 09/05/2019

Next Scheduled EDR Contact: 12/16/2019 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: 04/25/2019
Date Data Arrived at EDR: 05/02/2019
Date Made Active in Reports: 05/23/2019

Number of Days to Update: 21

Source: Environmental Protection Agency

Telephone: 202-564-8600 Last EDR Contact: 07/22/2019

Next Scheduled EDR Contact: 11/04/2019 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

PRP: Potentially Responsible Parties

A listing of verified Potentially Responsible Parties

Date of Government Version: 08/20/2019 Date Data Arrived at EDR: 09/05/2019 Date Made Active in Reports: 09/23/2019

Number of Days to Update: 18

Source: EPA

Telephone: 202-564-6023 Last EDR Contact: 09/05/2019

Next Scheduled EDR Contact: 11/18/2019 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: 03/20/2019 Date Data Arrived at EDR: 04/10/2019 Date Made Active in Reports: 05/14/2019

Number of Days to Update: 34

Source: EPA

Telephone: 202-566-0500 Last EDR Contact: 07/12/2019

Next Scheduled EDR Contact: 10/21/2019 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 Date Data Arrived at EDR: 11/23/2016 Date Made Active in Reports: 02/10/2017

Number of Days to Update: 79

Source: Environmental Protection Agency

Telephone: 202-564-2501 Last EDR Contact: 07/03/2019

Next Scheduled EDR Contact: 10/21/2019 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 Date Data Arrived at EDR: 04/16/2009 Date Made Active in Reports: 05/11/2009

Number of Days to Update: 25

Source: EPA/Office of Prevention, Pesticides and Toxic Substances

Telephone: 202-566-1667 Last EDR Contact: 08/18/2017

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 Date Data Arrived at EDR: 04/16/2009 Date Made Active in Reports: 05/11/2009

Number of Days to Update: 25

Source: EPA

Telephone: 202-566-1667 Last EDR Contact: 08/18/2017

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: 06/20/2019 Date Data Arrived at EDR: 06/20/2019 Date Made Active in Reports: 08/08/2019

Number of Days to Update: 49

Source: Nuclear Regulatory Commission

Telephone: 301-415-7169 Last EDR Contact: 09/04/2019

Next Scheduled EDR Contact: 11/04/2019 Data Release Frequency: Quarterly

COAL ASH DOE: Steam-Electric Plant Operation Data

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

Date of Government Version: 12/31/2005 Date Data Arrived at EDR: 08/07/2009 Date Made Active in Reports: 10/22/2009

Number of Days to Update: 76

Source: Department of Energy Telephone: 202-586-8719 Last EDR Contact: 09/06/2019

Next Scheduled EDR Contact: 12/16/2019 Data Release Frequency: Varies

COAL ASH EPA: Coal Combustion Residues Surface Impoundments List

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

Date of Government Version: 07/01/2014 Date Data Arrived at EDR: 09/10/2014 Date Made Active in Reports: 10/20/2014

Number of Days to Update: 40

Telephone: N/A

Last EDR Contact: 09/03/2019

Next Scheduled EDR Contact: 12/16/2019 Data Release Frequency: Varies

Source: Environmental Protection Agency

PCB TRANSFORMER: PCB Transformer Registration Database

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

Date of Government Version: 05/24/2017 Date Data Arrived at EDR: 11/30/2017 Date Made Active in Reports: 12/15/2017

Number of Days to Update: 15

Source: Environmental Protection Agency

Telephone: 202-566-0517 Last EDR Contact: 08/09/2019

Next Scheduled EDR Contact: 11/04/2019 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 Date Data Arrived at EDR: 07/01/2019 Date Made Active in Reports: 09/23/2019

Number of Days to Update: 84

Source: Environmental Protection Agency

Telephone: 202-343-9775 Last EDR Contact: 07/01/2019

Next Scheduled EDR Contact: 10/14/2019 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 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: 12/17/2007

Next Scheduled EDR Contact: 03/17/2008 Data Release Frequency: No Update Planned

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

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

Date of Government Version: 10/19/2006 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 Transporation, Office of Pipeline Safety Incident and Accident data.

Date of Government Version: 04/01/2019 Date Data Arrived at EDR: 04/30/2019 Date Made Active in Reports: 08/08/2019

Number of Days to Update: 100

Source: Department of Transporation, Office of Pipeline Safety

Telephone: 202-366-4595 Last EDR Contact: 07/31/2019

Next Scheduled EDR Contact: 11/11/2019 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: 03/31/2019 Date Data Arrived at EDR: 04/23/2019 Date Made Active in Reports: 05/23/2019

Number of Days to Update: 30

Source: Department of Justice, Consent Decree Library

Telephone: Varies

Last EDR Contact: 07/08/2019

Next Scheduled EDR Contact: 10/21/2019

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: 09/16/2019

Next Scheduled EDR Contact: 01/06/2020 Data Release Frequency: Biennially

INDIAN RESERV: Indian Reservations

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

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

Number of Days to Update: 546

Source: USGS

Telephone: 202-208-3710 Last EDR Contact: 07/10/2019

Next Scheduled EDR Contact: 10/21/2019 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: 07/30/2019

Next Scheduled EDR Contact: 11/18/2019 Data Release Frequency: Varies

UMTRA: Uranium Mill Tailings Sites

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

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

Number of Days to Update: 23

Source: Department of Energy Telephone: 505-845-0011 Last EDR Contact: 08/21/2019

Next Scheduled EDR Contact: 12/02/2019 Data Release Frequency: Varies

LEAD SMELTER 1: Lead Smelter Sites

A listing of former lead smelter site locations.

Date of Government Version: 07/19/2019 Date Data Arrived at EDR: 07/30/2019 Date Made Active in Reports: 09/03/2019

Number of Days to Update: 35

Source: Environmental Protection Agency

Telephone: 703-603-8787 Last EDR Contact: 09/05/2019

Next Scheduled EDR Contact: 10/14/2019 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 1931and 1964. These sites

may pose a threat to public health through ingestion or inhalation of contaminated soil or dust

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

Number of Days to Update: 36

Source: American Journal of Public Health Telephone: 703-305-6451

Last EDR Contact: 12/02/2009
Next Scheduled EDR Contact: N/A

Data Release Frequency: No Update Planned

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

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

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

Number of Days to Update: 100

Source: EPA

Telephone: 202-564-2496 Last EDR Contact: 09/26/2017

Next Scheduled EDR Contact: 01/08/2018 Data Release Frequency: Annually

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

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

Number of Days to Update: 100

Source: EPA

Telephone: 202-564-2496 Last EDR Contact: 09/26/2017

Next Scheduled EDR Contact: 01/08/2018 Data Release Frequency: Annually

US MINES: Mines Master Index File

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

Date of Government Version: 05/03/2019 Date Data Arrived at EDR: 05/29/2019 Date Made Active in Reports: 08/08/2019

Number of Days to Update: 71

Source: Department of Labor, Mine Safety and Health Administration

Telephone: 303-231-5959 Last EDR Contact: 08/27/2019

Next Scheduled EDR Contact: 12/09/2019 Data Release Frequency: Semi-Annually

US MINES 2: Ferrous and Nonferrous Metal Mines Database Listing

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

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

Number of Days to Update: 49

Source: USGS

Telephone: 703-648-7709 Last EDR Contact: 08/30/2019

Next Scheduled EDR Contact: 12/09/2019 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: 08/30/2019

Next Scheduled EDR Contact: 12/09/2019 Data Release Frequency: Varies

## ABANDONED MINES: Abandoned Mines

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

Date of Government Version: 03/27/2019 Date Data Arrived at EDR: 03/28/2019 Date Made Active in Reports: 05/01/2019

Number of Days to Update: 34

Source: Department of Interior Telephone: 202-208-2609 Last EDR Contact: 09/10/2019

Next Scheduled EDR Contact: 12/23/2019 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: 05/03/2019 Date Data Arrived at EDR: 06/05/2019 Date Made Active in Reports: 09/03/2019

Number of Days to Update: 90

Source: EPA

Telephone: (404) 562-9900 Last EDR Contact: 09/04/2019

Next Scheduled EDR Contact: 12/16/2019 Data Release Frequency: Quarterly

### UXO: Unexploded Ordnance Sites

A listing of unexploded ordnance site locations

Date of Government Version: 12/31/2017 Date Data Arrived at EDR: 01/17/2019 Date Made Active in Reports: 04/01/2019

Number of Days to Update: 74

Source: Department of Defense Telephone: 703-704-1564 Last EDR Contact: 07/15/2019

Next Scheduled EDR Contact: 10/28/2019 Data Release Frequency: Varies

### ECHO: Enforcement & Compliance History Information

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

Date of Government Version: 04/07/2019 Date Data Arrived at EDR: 04/09/2019 Date Made Active in Reports: 05/23/2019

Number of Days to Update: 44

Source: Environmental Protection Agency

Telephone: 202-564-2280 Last EDR Contact: 07/09/2019

Next Scheduled EDR Contact: 10/21/2019 Data Release Frequency: Quarterly

DOCKET HWC: Hazardous Waste Compliance Docket Listing

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

Date of Government Version: 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: 08/21/2019

Next Scheduled EDR Contact: 12/09/2019 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: 05/20/2019 Date Data Arrived at EDR: 05/21/2019 Date Made Active in Reports: 08/08/2019

Number of Days to Update: 79

Source: EPA

Telephone: 800-385-6164 Last EDR Contact: 08/20/2019

Next Scheduled EDR Contact: 12/02/2019 Data Release Frequency: Quarterly

TN AIRS: Listing of Permitted Sources

A listing of permitted sources issued by the Division of Air Pollution Control.

Date of Government Version: 07/29/2019 Date Data Arrived at EDR: 07/31/2019 Date Made Active in Reports: 09/20/2019

Number of Days to Update: 51

Source: Department of Environment & Conservation

Telephone: 615-532-0545 Last EDR Contact: 07/31/2019

Next Scheduled EDR Contact: 11/11/2019

Data Release Frequency: Varies

MS AIRS: Air Quality Information Listing Air emissions information.

Date of Government Version: 07/10/2019 Date Data Arrived at EDR: 07/11/2019 Date Made Active in Reports: 09/10/2019

Number of Days to Update: 61

Source: Department of Environmental Quality

Telephone: 601-961-5276 Last EDR Contact: 09/19/2019

Next Scheduled EDR Contact: 01/06/2020 Data Release Frequency: Annually

TN DRYCLEANERS: Registered Facilities List

A list of all active registered drycleaner facilities, There may be some inactive facilities included.

Date of Government Version: 05/01/2019 Date Data Arrived at EDR: 07/18/2019 Date Made Active in Reports: 09/20/2019

Number of Days to Update: 64

Source: Dept. of Environment & Conservation

Telephone: 615-532-0900 Last EDR Contact: 07/18/2019

Next Scheduled EDR Contact: 10/28/2019 Data Release Frequency: Annually

MS 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: 08/07/2019

Next Scheduled EDR Contact: 11/25/2019 Data Release Frequency: Varies

TN LEAD CERT: Lead Safe Housing Registry

A listing of Tennessee properties that have achieved a lead safe designation.

Date of Government Version: 02/25/2019 Date Data Arrived at EDR: 02/26/2019 Date Made Active in Reports: 06/13/2019

Number of Days to Update: 107

Source: Department of Environment & Conservation

Telephone: 615-532-8011 Last EDR Contact: 08/30/2019

Next Scheduled EDR Contact: 12/16/2019

Data Release Frequency: Varies

TN NPDES: Permitted Facility Listing

A listing of permitted wastewater facilities.

Date of Government Version: 05/21/2019 Date Data Arrived at EDR: 05/23/2019 Date Made Active in Reports: 07/01/2019

Number of Days to Update: 39

Source: Department of Environment & Conservation

Telephone: 615-253-2245 Last EDR Contact: 08/21/2019

Next Scheduled EDR Contact: 12/02/2019 Data Release Frequency: Quarterly

MS NPDES: Industrial & Municipal NPDES Facilities

Water discharge permit data.

Date of Government Version: 06/18/2019 Date Data Arrived at EDR: 06/18/2019 Date Made Active in Reports: 06/19/2019

Number of Days to Update: 1

Source: Department of Environmental Quality

Telephone: 601-961-5666 Last EDR Contact: 08/07/2019

Next Scheduled EDR Contact: 11/25/2019

Data Release Frequency: Varies

TN VAPOR: Vapor Intrusion

A listing of sites that have a potential for vapor intrusion

Date of Government Version: 07/13/2018 Date Data Arrived at EDR: 07/20/2018 Date Made Active in Reports: 09/19/2018

Number of Days to Update: 61

Source: Department of Environment & Conservation

Telephone: 615-532-0930 Last EDR Contact: 07/08/2019

Next Scheduled EDR Contact: 10/21/2019

Data Release Frequency: Varies

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

#### **EDR Exclusive Records**

EDR MGP: EDR Proprietary Manufactured Gas Plants

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

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

Number of Days to Update: N/A

Source: EDR, Inc. Telephone: N/A Last EDR Contact: N/A

Next Scheduled EDR Contact: N/A

Data Release Frequency: No Update Planned

EDR 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 Source: EDR, Inc.
Date Data Arrived at EDR: N/A Telephone: N/A
Date Made Active in Reports: N/A Last EDR Contact: N/A

Number of Days to Update: N/A Next Scheduled EDR Contact: N/A Data Release Frequency: Varies

### **EDR RECOVERED GOVERNMENT ARCHIVES**

#### Exclusive Recovered Govt. Archives

#### TN RGA LF: Recovered Government Archive Solid Waste Facilities List

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

Date of Government Version: N/A
Date Data Arrived at EDR: 07/01/2013
Date Made Active in Reports: 01/15/2014
Number of Days to Update: 198

Telephone: N/A Last EDR Contact: 06/01/2012

Source: Department of Environment and Conservation

Next Scheduled EDR Contact: N/A
Data Release Frequency: Varies

### MS 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

### TN RGA LUST: Recovered Government Archive Leaking Underground Storage Tank

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

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 Environment and Conservation

Telephone: N/A

Last EDR Contact: 06/01/2012 Next Scheduled EDR Contact: N/A Data Release Frequency: Varies

## MS 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.

CT MANIFEST: Hazardous Waste Manifest Data

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

Date of Government Version: 05/14/2019 Date Data Arrived at EDR: 05/14/2019 Date Made Active in Reports: 08/05/2019

Number of Days to Update: 83

Source: Department of Energy & Environmental Protection

Telephone: 860-424-3375 Last EDR Contact: 08/07/2019

Next Scheduled EDR Contact: 11/25/2019
Data Release Frequency: No Update Planned

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: 05/01/2019

Date Made Active in Reports: 06/21/2019

Number of Days to Update: 51

Source: Department of Environmental Conservation

Telephone: 518-402-8651 Last EDR Contact: 07/29/2019

Next Scheduled EDR Contact: 11/11/2019
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: 07/15/2019

Next Scheduled EDR Contact: 10/28/2019
Data Release Frequency: Annually

RI MANIFEST: Manifest information
Hazardous waste manifest information

Date of Government Version: 12/31/2017 Date Data Arrived at EDR: 02/23/2018 Date Made Active in Reports: 04/09/2018

Number of Days to Update: 45

Source: Department of Environmental Management

Telephone: 401-222-2797 Last EDR Contact: 08/16/2019

Next Scheduled EDR Contact: 12/02/2019 Data Release Frequency: Annually

VT MANIFEST: Hazardous Waste Manifest Data Hazardous waste manifest information.

Date of Government Version: 04/22/2019 Date Data Arrived at EDR: 04/23/2019 Date Made Active in Reports: 06/25/2019

Number of Days to Update: 63

Source: Department of Environmental Conservation

Telephone: 802-241-3443 Last EDR Contact: 07/15/2019

Next Scheduled EDR Contact: 10/28/2019 Data Release Frequency: Annually

WI MANIFEST: Manifest Information

Hazardous waste manifest information.

Date of Government Version: 05/31/2018 Date Data Arrived at EDR: 06/19/2019 Date Made Active in Reports: 09/03/2019

Number of Days to Update: 76

Source: Department of Natural Resources

Telephone: N/A

Last EDR Contact: 09/06/2019

Next Scheduled EDR Contact: 12/23/2019 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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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 Human Services

Telephone: 615-313-4778

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: Department of Environment & Conservation

Telephone: 651-532-0052

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

## STREET AND ADDRESS INFORMATION

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## GEOCHECK®- PHYSICAL SETTING SOURCE ADDENDUM

### **TARGET PROPERTY ADDRESS**

412418 4215 WINWOOD FARM LOOP ROAD MIDDLETON, TN 38052

### TARGET PROPERTY COORDINATES

Latitude (North): 35.002106 - 35° 0' 7.58" Longitude (West): 88.8916 - 88° 53' 29.76"

Universal Tranverse Mercator: Zone 16 UTM X (Meters): 327378.0 UTM Y (Meters): 3874714.0

Elevation: 444 ft. above sea level

### **USGS TOPOGRAPHIC MAP**

Target Property Map: 5943750 MIDDLETON, TN

Version Date: 2013

Northeast Map: 5943756 POCAHONTAS, TN

Version Date: 2013

Southeast Map: 5629929 CHALYBEATE, MS

Version Date: 2012

Southwest Map: 5620388 WALNUT, 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.

## **GROUNDWATER FLOW DIRECTION INFORMATION**

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

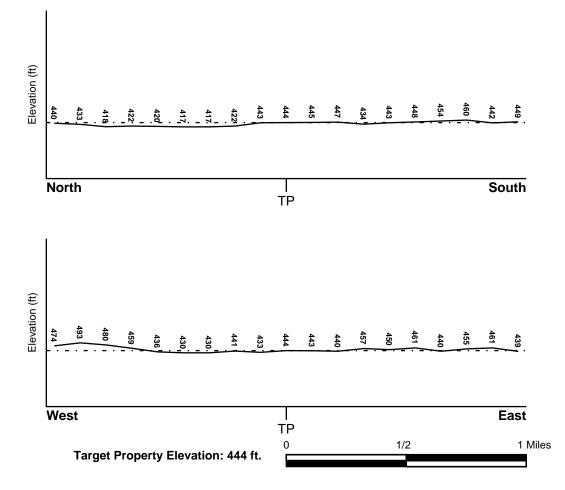
### **TOPOGRAPHIC INFORMATION**

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

### TARGET PROPERTY TOPOGRAPHY

General Topographic Gradient: General NNW

#### SURROUNDING TOPOGRAPHY: ELEVATION PROFILES



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

### **HYDROLOGIC INFORMATION**

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

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

### **FEMA FLOOD ZONE**

Flood Plain Panel at Target Property FEMA Source Type

47069C0375C FEMA FIRM Flood data

Additional Panels in search area: FEMA Source Type

47069C0400CFEMA FIRM Flood data28139C0035DFEMA FIRM Flood data47069C0500CFEMA FIRM Flood data

**NATIONAL WETLAND INVENTORY** 

NWI Quad at Target Property Data Coverage

MIDDLETON 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.

LOCATION GENERAL DIRECTION

MAP ID FROM TP GROUNDWATER FLOW

Not Reported

## **GROUNDWATER FLOW VELOCITY INFORMATION**

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

## GEOLOGIC INFORMATION IN GENERAL AREA OF TARGET PROPERTY

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

### **ROCK STRATIGRAPHIC UNIT**

## **GEOLOGIC AGE IDENTIFICATION**

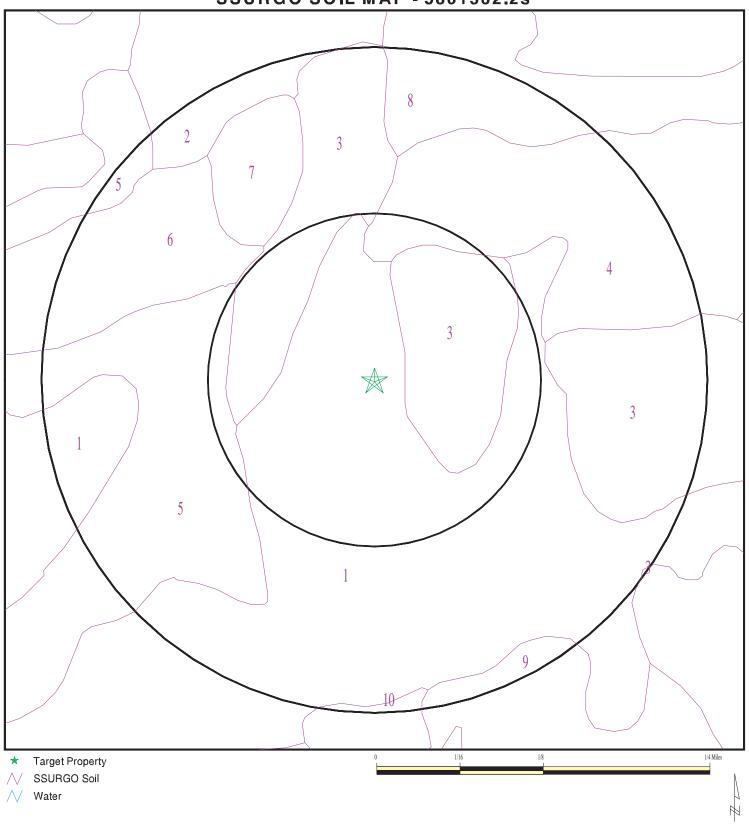
Era: Mesozoic Category: Stratified Sequence

System: Cretaceous Series: Navarro Group

Code: uK4 (decoded above as Era, System & Series)

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

# **SSURGO SOIL MAP - 5801562.2s**



SITE NAME: 412418 ADDRESS: 4215 Winwood Farm Loop Road

Middleton TN 38052 35.002106 / 88.8916 LAT/LONG:

CLIENT: AEI Consultants CONTACT: Kailee Callaway INQUIRY#: 5801562.2s

DATE: September 24, 2019 1:37 pm

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## DOMINANT SOIL COMPOSITION IN GENERAL AREA OF TARGET PROPERTY

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

Soil Map ID: 1

Soil Component Name: WILCOX

Soil Surface Texture: silty clay

Hydrologic Group: Class D - Very slow infiltration rates. Soils are clayey, have a high

water table, or are shallow to an impervious layer.

Soil Drainage Class: Somewhat poorly drained

Hydric Status: Not hydric

Corrosion Potential - Uncoated Steel: High

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 69 inches

Layer	Boundary			Classification		Saturated hydraulic	
	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil	conductivity micro m/sec	Soil Reaction (pH)
1	0 inches	5 inches	silty clay	Not reported	Not reported	Max: 0.42 Min: 0	Max: Min:
2	5 inches	16 inches	silty clay	Not reported	Not reported	Max: 0.42 Min: 0	Max: Min:
3	16 inches	46 inches	clay	Not reported	Not reported	Max: 0.42 Min: 0	Max: Min:
4	46 inches	59 inches	weathered bedrock	Not reported	Not reported	Max: 0.42 Min: 0	Max: Min:

### Soil Map ID: 2

Soil Component Name: URBO

Soil Surface Texture: silt loam

Hydrologic Group: Class D - Very slow infiltration rates. Soils are clayey, have a high

water table, or are shallow to an impervious layer.

Soil Drainage Class: Somewhat poorly drained

Hydric Status: All hydric

Corrosion Potential - Uncoated Steel: High

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 46 inches

	Soil Layer Information								
	Boundary			Classification		Saturated hydraulic			
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil		Soil Reaction (pH)		
1	0 inches	5 inches	silt loam	Not reported	Not reported	Max: 0.42 Min: 0	Max: 5.5 Min: 4.5		
2	5 inches	59 inches	silty clay	Not reported	Not reported	Max: 0.42 Min: 0	Max: 5.5 Min: 4.5		

Soil Map ID: 3

Soil Component Name: CHICKASAW

Soil Surface Texture: silty clay

Hydrologic Group: Class C - Slow infiltration rates. Soils with layers impeding downward

movement of water, or soils with moderately fine or fine textures.

Soil Drainage Class: Well drained

Hydric Status: Not hydric

Corrosion Potential - Uncoated Steel: High

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

Soil Layer Information								
	Boundary			Classification		Saturated hydraulic		
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil		Soil Reaction (pH)	
1	0 inches	3 inches	silty clay	Not reported	Not reported	Max: 1.41 Min: 0	Max: Min:	
2	3 inches	35 inches	clay	Not reported	Not reported	Max: 1.41 Min: 0	Max: Min:	
3	35 inches	48 inches	clay	Not reported	Not reported	Max: 1.41 Min: 0	Max: Min:	

	Soil Layer Information								
Boundary Classification Saturated hydraulic									
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil		Soil Reaction (pH)		
4	48 inches	59 inches	weathered bedrock	Not reported	Not reported	Max: 1.41 Min: 0	Max: Min:		

Soil Map ID: 4

Soil Component Name: LUVERNE
Soil Surface Texture: clay loam

Hydrologic Group: Class C - Slow infiltration rates. Soils with layers impeding downward

movement of water, or soils with moderately fine or fine textures.

Soil Drainage Class: Well drained

Hydric Status: Not hydric

Corrosion Potential - Uncoated Steel: High

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

Soil Layer Information									
Layer	Boundary			Classification		Saturated hydraulic			
	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil	conductivity micro m/sec	Soil Reaction (pH)		
1	0 inches	3 inches	clay loam	Not reported	Not reported	Max: 4.23 Min: 1.41	Max: 5.5 Min: 3.6		
2	3 inches	18 inches	clay	Not reported	Not reported	Max: 4.23 Min: 1.41	Max: 5.5 Min: 3.6		
3	18 inches	29 inches	sandy clay loam	Not reported	Not reported	Max: 4.23 Min: 1.41	Max: 5.5 Min: 3.6		
4	29 inches	59 inches	sr to loamy sand to sandy clay loam	Not reported	Not reported	Max: 4.23 Min: 1.41	Max: 5.5 Min: 3.6		

## Soil Map ID: 5

Soil Component Name: WILCOX
Soil Surface Texture: silty clay

Hydrologic Group: Class D - Very slow infiltration rates. Soils are clayey, have a high

water table, or are shallow to an impervious layer.

Soil Drainage Class: Somewhat poorly drained

Hydric Status: Not hydric

Corrosion Potential - Uncoated Steel: High

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 69 inches

Soil Layer Information								
	Bou	Boundary		Classi	fication	Saturated hydraulic		
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil	conductivity micro m/sec	Soil Reaction (pH)	
1	0 inches	5 inches	silty clay	Not reported	Not reported	Max: 0.42 Min: 0	Max: Min:	
2	5 inches	16 inches	silty clay	Not reported	Not reported	Max: 0.42 Min: 0	Max: Min:	
3	16 inches	46 inches	clay	Not reported	Not reported	Max: 0.42 Min: 0	Max: Min:	
4	46 inches	59 inches	weathered bedrock	Not reported	Not reported	Max: 0.42 Min: 0	Max: Min:	

Soil Map ID: 6

Soil Component Name: URBO

Soil Surface Texture: silt loam

Hydrologic Group: Class D - Very slow infiltration rates. Soils are clayey, have a high

water table, or are shallow to an impervious layer.

Soil Drainage Class: Somewhat poorly drained

Hydric Status: Partially hydric

Corrosion Potential - Uncoated Steel: High

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 46 inches

Soil Layer Information								
	Bou	ndary		Classif	ication	Saturated hydraulic		
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil		Soil Reaction (pH)	
1	0 inches	5 inches	silt loam	Not reported	Not reported	Max: 0.42 Min: 0	Max: 5.5 Min: 4.5	

Soil Layer Information								
	Bou	ndary		Classif	ication	Saturated hydraulic		
Layer	Upper	Lower	Soil Texture Class	AASHTO Group Unified Soil			Soil Reaction (pH)	
2	5 inches	59 inches	silty clay	Not reported	Not reported	Max: 0.42 Min: 0	Max: 5.5 Min: 4.5	

Soil Map ID: 7

Soil Component Name: ROSEBLOOM
Soil Surface Texture: silty clay loam

Hydrologic Group: Class D - Very slow infiltration rates. Soils are clayey, have a high

water table, or are shallow to an impervious layer.

Soil Drainage Class: Poorly drained

Hydric Status: All hydric

Corrosion Potential - Uncoated Steel: High

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 15 inches

Soil Layer Information								
	Bou	ndary		Classification		Saturated hydraulic		
Layer	Upper	Lower	Soil Texture Class	AASHTO Group Unified Soil				
1	0 inches	7 inches	silty clay loam	Not reported	Not reported	Max: 14.11 Min: 4.23	Max: 5.5 Min: 4.5	
2	7 inches	59 inches	silty clay loam	Not reported	Not reported	Max: 14.11 Min: 4.23	Max: 5.5 Min: 4.5	

### Soil Map ID: 8

Soil Component Name: CHENNEBY

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: Somewhat poorly drained

Hydric Status: Not hydric

Corrosion Potential - Uncoated Steel: High

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 53 inches

	Soil Layer Information								
	Bou	ndary		Classif	ication	Saturated hydraulic			
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil		Soil Reaction (pH)		
1	5 inches	59 inches	silt loam	Not reported	Not reported	Max: 14.11 Min: 4.23	Max: 6 Min: 4.5		
2	0 inches	5 inches	silt loam	Not reported	Not reported	Max: 14.11 Min: 4.23	Max: 6 Min: 4.5		

Soil Map ID: 9

Soil Component Name: WILCOX

Soil Surface Texture: silty clay

Hydrologic Group: Class D - Very slow infiltration rates. Soils are clayey, have a high

water table, or are shallow to an impervious layer.

Soil Drainage Class: Somewhat poorly drained

Hydric Status: Not hydric

Corrosion Potential - Uncoated Steel: High

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 69 inches

Soil Layer Information								
	Boundary Upper Lower Soil Texture Class		Classification		Saturated hydraulic			
Layer			Soil Texture Class	AASHTO Group	Unified Soil		Soil Reaction (pH)	
1	0 inches	5 inches	silty clay	Not reported	Not reported	Max: 0.42 Min: 0	Max: Min:	
2	5 inches	16 inches	silty clay	Not reported	Not reported	Max: 0.42 Min: 0	Max: Min:	
3	16 inches	46 inches	clay	Not reported	Not reported	Max: 0.42 Min: 0	Max: Min:	

Soil Layer Information							
	Bou	ndary		Classification		Saturated hydraulic	
Layer	Upper	Lower	Soil Texture Class	AASHTO Group Unified Soil			Soil Reaction (pH)
4	46 inches	59 inches	weathered bedrock	Not reported	Not reported	Max: 0.42 Min: 0	Max: Min:

Soil Map ID: 10

Soil Surface Texture:

Soil Component Name: WATER

Hydrologic Group: Class D - Very slow infiltration rates. Soils are clayey, have a high

silty clay

water table, or are shallow to an impervious layer.

Soil Drainage Class: Hydric Status: Unknown

Corrosion Potential - Uncoated Steel: Not Reported

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

No Layer Information available.

### **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

DATABASE SEARCH DISTANCE (miles)

Federal USGS 1.000

Federal FRDS PWS Nearest PWS within 1 mile

State Database 1.000

FEDERAL USGS WELL INFORMATION

MAP ID WELL ID LOCATION FROM TP

### **GEOCHECK<sup>®</sup> - PHYSICAL SETTING SOURCE SUMMARY**

### FEDERAL USGS WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
5	USGS40000681371	1/2 - 1 Mile SSW
6	USGS40000681338	1/2 - 1 Mile SSE
7	USGS40000681337	1/2 - 1 Mile SE
11	USGS40000681339	1/2 - 1 Mile SW

### FEDERAL FRDS PUBLIC WATER SUPPLY SYSTEM INFORMATION

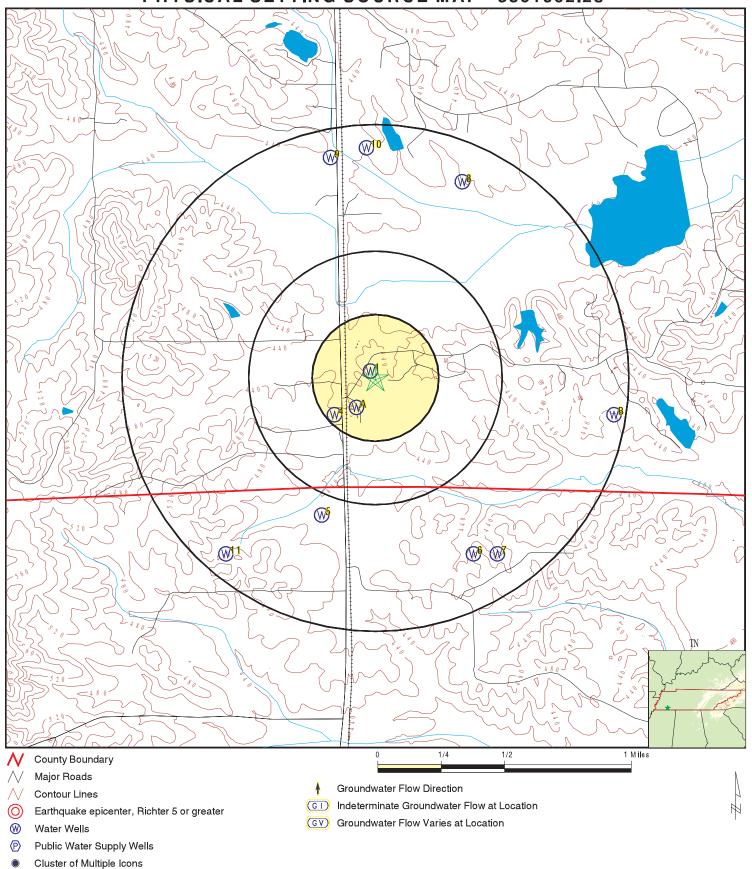
MAP ID	WELL ID	LOCATION FROM TP
No PWS System Found		

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

### STATE DATABASE WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
1	TN7000000209881	0 - 1/8 Mile NW
A2	TN7000000207864	1/8 - 1/4 Mile SW
A3	TN700000207691	1/8 - 1/4 Mile SSW
4	TN700000209387	1/8 - 1/4 Mile SW
8	TN700000207707	1/2 - 1 Mile NNE
9	TN700000206924	1/2 - 1 Mile NNW
10	TN700000208171	1/2 - 1 Mile North
B12	TN700000208460	1/2 - 1 Mile East
B13	TN700000208444	1/2 - 1 Mile East
B14	TN7000000208238	1/2 - 1 Mile East
B15	TN7000000208205	1/2 - 1 Mile East
B16	TN700000208061	1/2 - 1 Mile East
B17	TN7000000208301	1/2 - 1 Mile East
B18	TN700000208407	1/2 - 1 Mile East
B19	TN7000000208380	1/2 - 1 Mile East
B20	TN7000000208373	1/2 - 1 Mile East

### PHYSICAL SETTING SOURCE MAP - 5801562.2s



SITE NAME: 412418 ADDRESS: 4215 Winwood Farm Loop Road

Middleton TN 38052 LAT/LONG: 35.002106 / 88.8916 CLIENT: AEI Consultants CONTACT: Kailee Callaway INQUIRY#: 5801562.2s

DATE: September 24, 2019 1:37 pm

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Map ID Direction Distance Elevation

ŇW **TN WELLS** TN7000000209881

0 - 1/8 Mile Lower

> Well #: 96001827 License Code: 703 Total Depth: Est Yield: 140

0440SW9 Quad #: Driller Tag #: D0019109

Casing Depth: Depth to Water: 130

Intended Well Use: Commercial

1/8 - 1/4 Mile

Lower

Well #: 6901473 License Code: 52 Total Depth: 190 Est Yield:

0440SW9 Quad #: Driller Tag #: Not Reported

180 Depth to Water: Casing Depth:

Intended Well Use: Industrial

SSW **TN WELLS** TN7000000207691

1/8 - 1/4 Mile Lower

> Well #: 6901300 License Code: 52 Total Depth: 165 Est Yield: 0

Quad #: 0440SW9 Driller Tag #: Not Reported

Casing Depth: Depth to Water: 155

Intended Well Use: Industrial

4 SW **TN WELLS** TN7000000209387

1/8 - 1/4 Mile Lower

> Well #: 20152076 License Code: 982 Total Depth: 200 Est Yield: 0

0440SW3 D0105176 Quad #: Driller Tag #: Casing Depth: 180 Depth to Water: 160

Intended Well Use: Residential

**FED USGS** USGS40000681371

SSW 1/2 - 1 Mile Higher

> Organization ID: **USGS-MS**

Organization Name: USGS Mississippi Water Science Center B0001 TIPPAH Monitor Location: Well Type:

Database

**TN WELLS** 

EDR ID Number

TN7000000207864

Description:Not ReportedHUC:08010207Drainage Area:Not ReportedDrainage Area Units:Not ReportedContrib Drainage Area:Not ReportedContrib Drainage Area Units:Not Reported

Aquifer: Southeastern Coastal Plain aquifer system

Formation Type: Ripley Formation Aquifer Type: Not Reported

Construction Date: 19560101 Well Depth: 170

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: 1956-01-01 Feet below surface: 50.00 Feet to sea level: Not Reported

Note: Not Reported

SSE FED USGS USGS40000681338

1/2 - 1 Mile Higher

Organization ID: USGS-MS

Organization Name: USGS Mississippi Water Science Center Monitor Location: B0014 TIPPAH Type: Well Not Reported HUC: Description: 08010207 Drainage Area: Not Reported Drainage Area Units: Not Reported Contrib Drainage Area: Not Reported Contrib Drainage Area Unts: Not Reported Aquifer: Not Reported Formation Type: Not Reported Aquifer Type: Construction Date: Not Reported 19710101

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: 1971-04-01 Feet below surface: 100.00 Feet to sea level: Not Reported

Note: Not Reported

7 SE FED USGS USGS40000681337

1/2 - 1 Mile Lower

Organization ID: USGS-MS

Organization Name: USGS Mississippi Water Science Center Monitor Location: B0015 TIPPAH Well Type: Description: Not Reported HUC: 08010207 Drainage Area: Not Reported Drainage Area Units: Not Reported Contrib Drainage Area: Contrib Drainage Area Unts: Not Reported Not Reported Aquifer: Not Reported Formation Type: Not Reported Aquifer Type: Not Reported Construction Date: 19600101

Well Depth: 224 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: 1960-07-01 Feet below surface: 40.00 Feet to sea level: Not Reported

Note: Not Reported

Map ID Direction Distance

Elevation Database EDR ID Number **TN WELLS** TN7000000207707

NNE 1/2 - 1 Mile

Lower

Well #: 6901316 License Code: 52 Total Depth: Est Yield: 0 140

0440SW9 Quad #: Driller Tag #: Not Reported

Casing Depth: Depth to Water: 130

Intended Well Use: Residential

**TN WELLS** TN7000000206924

NNW 1/2 - 1 Mile Lower

> Well #: 6900530 License Code: 52 Total Depth: 158 Est Yield:

0440SW9 Quad #: Driller Tag #: Not Reported

Depth to Water: Casing Depth: 154 120

Intended Well Use: Residential

**TN WELLS** TN7000000208171 North

1/2 - 1 Mile Lower

> 6901781 License Code: Well #: 52 Total Depth: 148 Est Yield: 12

Quad #: 0440SW9 Driller Tag #: Not Reported

Casing Depth: Depth to Water: 138

Intended Well Use: Residential

11 SW **FED USGS** USGS40000681339

1/2 - 1 Mile Higher

> Organization ID: **USGS-MS**

Organization Name: USGS Mississippi Water Science Center

Monitor Location: B0002 TIPPAH Well Type: Description: Not Reported HUC: 08010207 Drainage Area Units: Drainage Area: Not Reported Not Reported Contrib Drainage Area: Not Reported Contrib Drainage Area Unts: Not Reported

Aquifer: Southeastern Coastal Plain aquifer system

Formation Type: Ripley Formation Not Reported Aquifer Type:

Construction Date: 19550101 Well Depth: 147

Well Depth Units: ft Well Hole Depth: Not Reported

Well Hole Depth Units: Not Reported

1955-01-01 Ground water levels, Number of Measurements: 1 Level reading date: 50.00 Feet below surface: Feet to sea level: Not Reported

Note: Not Reported

Map ID Direction Distance Elevation

**B12 TN WELLS** TN7000000208460

1/2 - 1 Mile Lower

> Well #: 6902074 License Code: 570 Total Depth: 300 Est Yield: 10

Quad #: 0440SW9 Driller Tag #: Not Reported

Casing Depth: 290 Depth to Water: 260

Intended Well Use: Residential

B13 **TN WELLS** TN7000000208444

East 1/2 - 1 Mile Lower

> Well #: 6902057 License Code: 565 Total Depth: 140 Est Yield: 10

Quad #: 0440SW9 Driller Tag #: Not Reported

Depth to Water: Casing Depth: 130

Intended Well Use: Residential

**B14 TN WELLS** TN7000000208238 **East** 

1/2 - 1 Mile Lower

> 6901848 Well #: License Code: 119 Total Depth: 140 Est Yield: 20

Quad #: 0440SW9 Driller Tag #: Not Reported

Casing Depth: Depth to Water: 140

Intended Well Use: Residential

**B15 TN WELLS** TN7000000208205 East

1/2 - 1 Mile Lower

> Well #: 6901815 License Code: 52 Total Depth: Est Yield: 162 10

0440SW9 Quad #: Driller Tag #: Not Reported

Casing Depth: 152 Depth to Water:

Intended Well Use: Residential

**B16** East 1/2 - 1 Mile **TN WELLS** TN7000000208061

Lower

Well #: 6901671 License Code: 570 Total Depth: 295 Est Yield: 0

0440SW9 Driller Tag #: Not Reported Quad #:

Database

EDR ID Number

Casing Depth: 285 Depth to Water: 0

Intended Well Use: Residential

East **TN WELLS** TN7000000208301

1/2 - 1 Mile Lower

> Well #: 6901911 License Code: 570 Total Depth: 130 Est Yield:

Quad #: 0440SW9 Driller Tag #: Not Reported

Casing Depth: 120 Depth to Water: 110 Intended Well Use: Residential

**B18** East 1/2 - 1 Mile **TN WELLS** TN7000000208407

Lower

6902017 570 Well #: License Code:

Total Depth: Est Yield: 140 10

Quad #: 0440SW9 Driller Tag #: Not Reported Depth to Water: 110

Casing Depth: 130 Intended Well Use: Commercial

B19

East 1/2 - 1 Mile Lower

> Well #: 6901990 License Code: 570 Total Depth: Est Yield: 125 0

Quad #: 0440SW9 Driller Tag #: Not Reported

Depth to Water: Casing Depth: 115 95

Intended Well Use: Residential

**B20 TN WELLS** TN7000000208373 **East** 1/2 - 1 Mile

Lower

Well #: 6901983 License Code: 570 Total Depth: Est Yield: 132 0

0440SW9 Driller Tag #: Quad #: Not Reported

Casing Depth: Depth to Water: 122 110

Intended Well Use: Residential **TN WELLS** 

TN7000000208380

### **AREA RADON INFORMATION**

State Database: TN Radon

Radon Test Results

County	Total Sites	Avg	Max	<4 pCi/L	4-10 pCi/L	10-20 pCi/L	20-50 pCi/L	50-100 pCi/L	>100 pCi/L
		_	_						
HARDEMAN	1	0.5	0.5	1	0	0	0	0	0

### Federal EPA Radon Zone for HARDEMAN County: 3

Note: Zone 1 indoor average level > 4 pCi/L.

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

: Zone 3 indoor average level < 2 pCi/L.

Federal Area Radon Information for Zip Code: 38052

Number of sites tested: 2

Area Average Activity % <4 pCi/L % 4-20 pCi/L % >20 pCi/L Living Area - 1st Floor 0.550 pCi/L 100% 0% 0% Living Area - 2nd Floor Not Reported Not Reported Not Reported Not Reported Not Reported Basement 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: Department of Environment & Conservation

Telephone: 651-532-0052

### 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

County Water Wells in Tennessee

Source: Department of Environment and Conservation

Telephone: 615-532-0160

Water well locations for the entire state.

### OTHER STATE DATABASE INFORMATION

#### **RADON**

State Database: TN Radon

Source: Department of Environment & Conservation

Telephone: 615-299-9725 Radon Test Results

Area Radon Information Source: USGS

Telephone: 703-356-4020

The National Radon Database has been developed by the U.S. Environmental Protection Agency

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

EPA Radon Zones Source: EPA

Telephone: 703-356-4020

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

radon levels.

### **OTHER**

Airport Landing Facilities: Private and public use landing facilities

Source: Federal Aviation Administration, 800-457-6656

Epicenters: World earthquake epicenters, Richter 5 or greater

Source: Department of Commerce, National Oceanic and Atmospheric Administration

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

### PHYSICAL SETTING SOURCE RECORDS SEARCHED

### STREET AND ADDRESS INFORMATION

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# APPENDIX D HISTORICAL SOURCES



### 412418

4215 Winwood Farm Loop Road Middleton, TN 38052

Inquiry Number: 5801562.5

September 24, 2019

# The EDR Aerial Photo Decade Package



### **EDR Aerial Photo Decade Package**

09/24/19

Site Name: Client Name:

412418 4215 Winwood Farm Loop Roa Middleton, TN 38052 EDR Inquiry # 5801562.5 AEI Consultants 2500 Camino Diablo Walnut Creek, CA 94597 Contact: Kailee Callaway



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>Scale</u>	<u>Details</u>	Source
1"=500'	Flight Year: 2016	USDA/NAIP
1"=500'	Flight Year: 2012	USDA/NAIP
1"=500'	Flight Year: 2008	USDA/NAIP
1"=500'	Acquisition Date: February 01, 1997	USGS/DOQQ
1"=1000'	Flight Date: March 19, 1985	USGS
1"=500'	Flight Date: April 07, 1978	USGS
1"=500'	Flight Date: February 14, 1975	USGS
1"=500'	Flight Date: April 06, 1947	USGS
	1"=500' 1"=500' 1"=500' 1"=500' 1"=1000' 1"=500'	1"=500' Flight Year: 2016 1"=500' Flight Year: 2012 1"=500' Flight Year: 2008 1"=500' Acquisition Date: February 01, 1997 1"=1000' Flight Date: March 19, 1985 1"=500' Flight Date: April 07, 1978 1"=500' Flight Date: February 14, 1975

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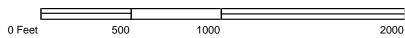
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**Aerial Photograph** 







# **AERIAL PHOTOGRAPH - 2016**

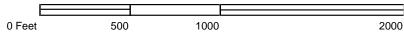
4215 Winwood Farm Loop Road, Middleton, TN 38052











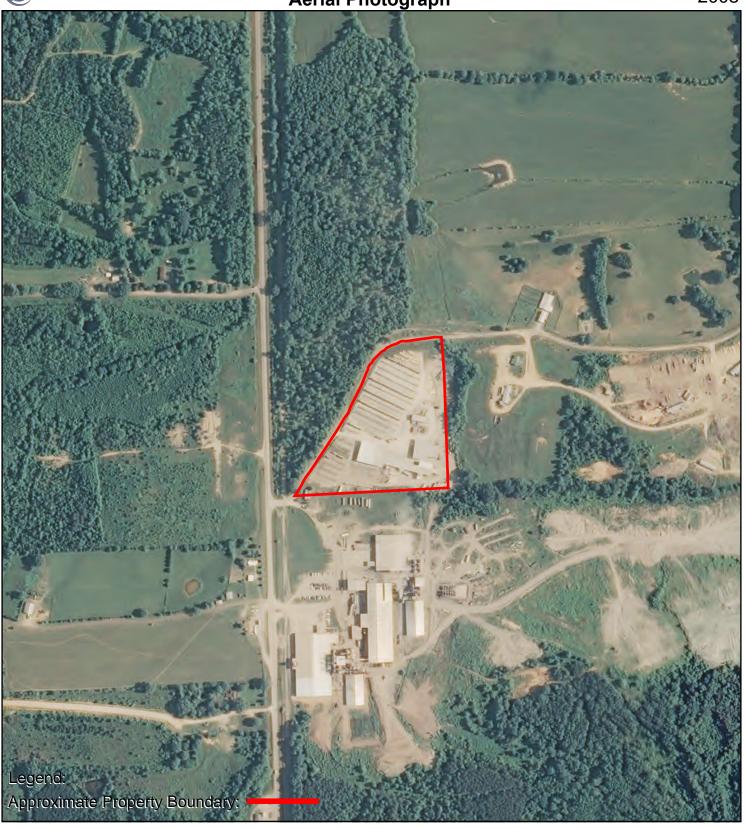


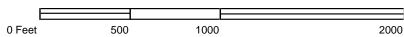
4215 Winwood Farm Loop Road, Middleton, TN 38052













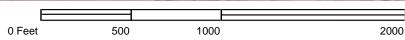
4215 Winwood Farm Loop Road, Middleton, TN 38052













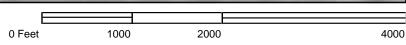
4215 Winwood Farm Loop Road, Middleton, TN 38052













4215 Winwood Farm Loop Road, Middleton, TN 38052









0 Feet

4215 Winwood Farm Loop Road, Middleton, TN 38052

Project Number: 412418



1000

500

2000



**Aerial Photograph** 





# **AERIAL PHOTOGRAPH - 1975**

0 Feet

4215 Winwood Farm Loop Road, Middleton, TN 38052

Project Number: 412418



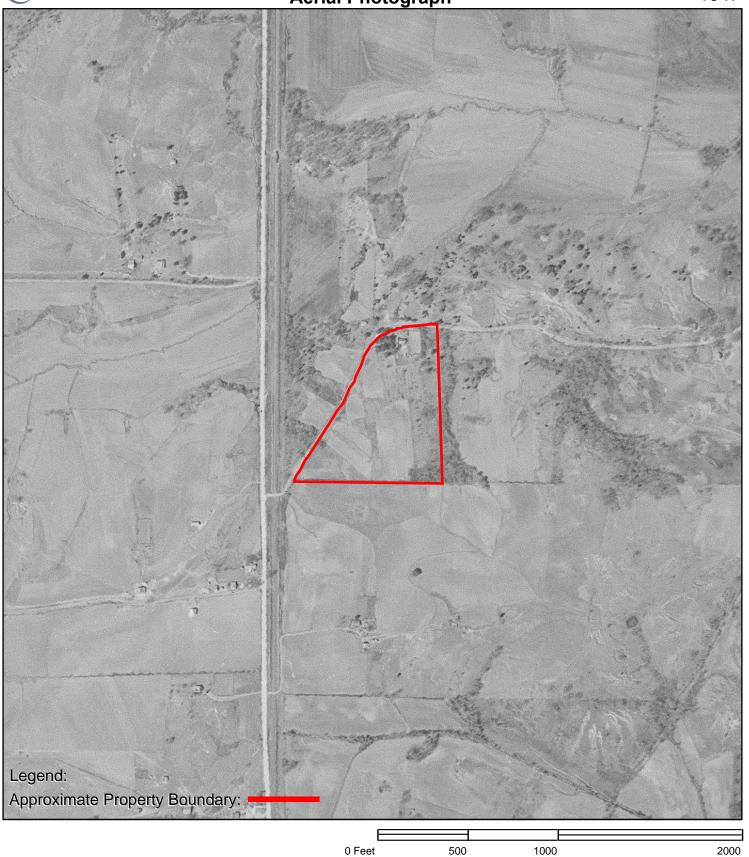
1000

500

2000









4215 Winwood Farm Loop Road, Middleton, TN 38052



### 412418

4215 Winwood Farm Loop Road Middleton, TN 38052

Inquiry Number: 5801562.6 September 26, 2019

# The EDR-City Directory Image Report



### **TABLE OF CONTENTS**

### **SECTION**

**Executive Summary** 

**Findings** 

**City Directory Images** 

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

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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>	Cross Street	<u>Source</u>
2014	$\overline{\checkmark}$	$\overline{\checkmark}$	<b>EDR Digital Archive</b>
2010	$\overline{\checkmark}$	$\overline{\checkmark}$	EDR Digital Archive
2005	$\overline{\checkmark}$	$\overline{\checkmark}$	EDR Digital Archive
2000	$\overline{\checkmark}$	$\overline{\checkmark}$	EDR Digital Archive
1995		$\overline{\mathbf{V}}$	<b>EDR Digital Archive</b>
1992			EDR Digital Archive

### **FINDINGS**

### TARGET PROPERTY STREET

4215 Winwood Farm Loop Road Middleton, TN 38052

Year CD Image Source

### **WINDWOD FARM**

1995 pg A18 EDR Digital Archive

### **WINWOOD FARMS LOOP**

2014	pg A5	EDR Digital Archive
2010	pg A9	<b>EDR Digital Archive</b>
2005	pg A12	<b>EDR Digital Archive</b>
2000	pg A15	<b>EDR Digital Archive</b>
1995	pg A19	<b>EDR Digital Archive</b>
1992	-	EDR Digital Archive

Street not listed in Source

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### **FINDINGS**

### **CROSS STREETS**

1995

pg. A16

<u>Year</u>	CD Image	<u>Source</u>	
HIGHWAY	<u>′ 125 S</u>		
2014	pg. A2	EDR Digital Archive	
2010	pg. A6	EDR Digital Archive	
2005	pg. A10	EDR Digital Archive	
2000	pg. A13	EDR Digital Archive	
1995	-	EDR Digital Archive	Street not listed in Source
1992	-	EDR Digital Archive	Street not listed in Source
S HWY 12	<u>5</u>		

**EDR Digital Archive** 

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# HIGHWAY 125 S 2014

_	_	OCCUPANT UNIVARIONAN
	5	OCCUPANT UNKNOWN,
	145	CAROTHERS, ANN S
2	220	EP MINERALS LLC
,	205	TRINITY TRANSPORTATION INC
	225	CARDWELLS STATE LINE
	285	BURNETTE, FRANK L
	1070	SIMPSON, RUTH H
	1165	CUMBERLAND, DAVID
	1311	AMOS W SIDES SIDES, PEARL C
4	1015	,
	1315	PITTMAN, CHERYL M
	1505	SIDES, ALTON P
	1585 1665	WRIGHT, STUART N
	1915	GREENE, GREG M COX, LARRY W
	2175	TOWNSEND, JIMMY L
	2175	TURNER, DONALD N
	2205 2415	RAINEY, ETTA F
	2415	OCCUPANT UNKNOWN,
	2560	EL PASO LLC
2	2560	MIDDLETON CITY OF
		SMITH ALAN B
		TENNESSEE GAS PIPELINE CO LLC
-	5930	OCCUPANT UNKNOWN,
	5960	STEWART, JOHN G
	6125	WEST, JAMES E
	6140	MUNN, FAYE
	5225	PIPKIN, KENNETH
	345	WATSON, CECIL T
	355	HUNT, ROSEMARY B
	6430	WEST, SAMUEL O
	6435	OCCUPANT UNKNOWN,
	6445	MCCARTER, MAURINE
	6470	GILLON, MICKIE K
	6495	ROBERSON, DANIELLE
	5520	COSSAR, KENNETH R
	6635	LAMBRETH, CONNIE
6	6660	MCCARTER PLUMBING & ELEC CO
		MCCARTER, LESTER G
6	6685	OCCUPANT UNKNOWN,
6	850	FIELDS, HOPE
6	855	SAIN, BILL M
6	0888	KURODA, SHERRY K
8	3080	WYMAN, ANITA
8	3165	HOBBS BARNEY THOMAS III
		HOBBS, BARNEY T
8	3200	SMALLEY, LARRY T
8	3273	RICKETTS, JOSEPH W
8	3275	OCCUPANT UNKNOWN,
8	3305	WILLIAMS, J C

### HIGHWAY 125 S

2014 (Cont'd)

8390	KIRK, JAMES D
0000	KIRKS SUPERMARKET
0/15	
8415	DOYLE, JERRY A
8450	MCCOMMON BOBBY J
8475	HAMMONS, SHANE S
8485	HOPPER, DONALD L
8490	MCCOMMON, BOBBY J
8565	ADAMS, WILLIAM K
8735	LAKE, JOCELYN M
8780	COX, RICKY G
8880	WYMAN, DALE L
9185	MAXWELL, CHRISTOPHER A
9320	CROWLEY, WILLIE
9325	BIZZELL, DAVID
9465	OCCUPANT UNKNOWN,
9575	HALL, JAMES M
9580	GRAVES SHIRLEY
3300	MCALPIN, MICHAEL T
9710	HOWELL JOHN T
37 10	OCCUPANT UNKNOWN,
0765	·
9765	TRANUM, TRAVIS D
9790	RIGGS, TOMMY W
9850	MCALPHIN, MICHAEL
9930	OCCUPANT UNKNOWN,
10035	OCCUPANT UNKNOWN,
10110	CUNNINGHAM, FRED
10165	OCCUPANT UNKNOWN,
10330	SMALLEY, DENESE D
10435	HAYBERT, WALT R
10625	SISCO, BOBBY J
10660	HOWELL, MARY C
10690	MURPHY, CONNIE
10720	OCCUPANT UNKNOWN,
10725	COX, LYNN E
10735	WEAVER, JAMES E
10770	SIPES
	SIPES, TROY L
10785	COX, CLEAVEREN
10860	BRYANT, ASHLEY N
11070	MCGUIRE, SAM
11190	OCCUPANT UNKNOWN,
11210	MOUNT OLIVE MBC
	WOODY, SAMMY J
11310	·
11335	OCCUPANT UNKNOWN,
11385	WHITE, THOMAS L
11400	ACRED, GARY
11455	JACKSON, BILLY H
11470	JACKSON PARNELL
	JACKSON, BURNELL
11800	VOYLES, LOTTIE F

Target Street Cross Street Source

- ✓ EDR Digital Archive

HIGHWAY 125 S 2014 (Cont'd)

		•	•	
11850	OCCUPANT UNKNOWN,			
11885 12670	OCCUPANT UNKNOWN, OCCUPANT UNKNOWN,			

Target Street Cross Street Source

→ EDR Digital Archive

## WINWOOD FARMS LOOP 2014

385	EDMONDS, MELANIA S
430	HALL, JAMES R
600	GOAD, KENNETH W
665	CADIEU, VLASTA
680	WOODS, DENNIS S
765	DOLES, DAVID W
770	MUDD, JASON T
780	OCCUPANT UNKNOWN,
840	WERNER, HELMUT B
935	DUNN, TOMMY L
950	ADAMS, DAVID W
1090	EVANO, CHARLES A
1190	HOBBS, JEREMY L
1255	BOX, JIM F
1270	CADIEU, STUART A
1370	KERSH, RONALD C
1385	BODIFORD, TEDDY D
1505	ASHLEY, SCOTT
1820	MILHORN ROOFING
	MILHORN, KERRIANN
2330	STEELE, REGINALD M
2415	RHODES, BOYD
2750	COBB, DERRELL W
2975	MOORE, GREG A
3140	FOWLER, ARTIE L
3680	BATES, CHARLES E
3785	MILLER & COMPANY INC
4215	HARDWOOD SLS PLANING SVCS INC
4315	JANES, DEBORAH
4325	YOUNG, WILLIAM D

# HIGHWAY 125 S 2010

145	CADOTHEDS ANN S
155	CAROTHERS, ANN S SCOTT, MIKE S
220	MOLTAN COMPANY LP
220	TRINITY TRANSPORTATION INC
225	CARDWELLS STATE LINE
285	BURNETTE, FRANK L
265 1165	FRAZIER, KEVIN
1311	
1311	SIDES, PEARL C
1505	PITTMAN, CHERYL M
	PICKERING, JANICE
1585 1665	WRIGHT, STUART N
1000	GREEN, JAKE
1015	LAKEWOOD ANGUS
1915	COX LARRY W
1075	COX, LARRY W
1975	PANNELL, RUTHIE TIPPAH ELECTRIC POWER ASSOCIAT
2045	
2175	TOWNSEND JIMMY L TOWNSEND, JIMMY L
2265	,
2265	TURNER, DONALD N
2415	RAINEY, HOWARD T
2560	EL PASO CORPORATION
	MIDDLETON CITY OF TENNESSEE GAS PIPELINE COMPANY
5930	SAIN, MORGAN S
5960	STEWART, JOHN G
6020	WALDEN LINDA
6125	WEST, JAMES E
6140	MUNN, FAYE
6225	PIPKIN, JASON N
6345	WATSON, CECIL
6430	WEST, JANET M
6435	MATHIS, JOYCE A
6445	MCCARTER, MAURINE
6495	ROBERSON, DANIELLE
6520	COSSAR, KENNETH R
6570	SCOTT, SHANE M
6635	LAMBRETH, CONNIE
6660	MCCARTER PLUMBING & ELEC CO
	MCCARTER, LESTER G
6665	MCDONALD HEATING
6685	CARDENAS, JENNIFER
6855	SAIN, MAYO
6880	KURODA, SHERRY K
8165	HOBBS, BARNEY T
8200	SMALLEY, LARRY T
8273	RICKETTS, JOSEPH W
8305	WILLIAMS, LOLA D
8390	KIRK, JAMES D
8415	DOYLE, JERRY A
•	- ,

2010

(Cont'd)

# **HIGHWAY 125 S**

8450 MCCOMMON BOBBY J 8485 HOPPER, DONALD L 8490 MCCOMMON, BOBBY J 8565 WOODY, SAMMY J 8735 MCTIZIC, JERMAINE 8780 COX, RICKY G 9325 SERRANO, JANIE 9465 MCBRIDE, BOBBY J 9575 GARNIER CATHERINE A HALL, JAMES M 9580 MCALPIN, MICHAEL T 9710 HOWELL JOHN T HOWELL, HAROLD N 9765 TRANUM, PHYLLIS H 9790 RIGGS, TOMMY W 9850 MCALPHIN, MICHAEL 10035 MORRIS, MACKENZIE B 10037 PARSONS, ZACHARY W 10110 RUSHING, BRYAN 10165 D & R CLEANING HENSLEY, ROBERT W 10330 SMALLEY, SARA D 10435 DOW, EUGENE W 10625 MCALPIN, ERIC W SISCO MELISSA 10660 HOWELL, MARY C 10690 MURPHY CONNIE MURPHY, MICHAEL T 10720 HARRIS, JASON D 10725 COX, LYNN E 10770 **SIPES** SIPES, TROY L 10785 COX, CLEAVEREN 10860 BRYANT, RONALD T 11060 NORWOOD, PRESTON 11070 MCGUIRE, DEDRICK K 11190 **GARCIA ANGELICA** TURNER, JOHN W 11210 MOUNT OLIVE MBC 11335 MOORE, LAURA L 11385 WHITE, TOM L 11400 DANIEL, CLINT A 11455 JACKSON, MARY N 11470 **JACKSON PARNELL** JACKSON, BURNELL 11800 **BAKER PAM BAKER TONY** VOYLES, LOTTIE F

ORMAN S AIR CONDITIONING & HTG

ORMAN, JIM C

11850

**Target Street Cross Street Source EDR** Digital Archive

> HIGHWAY 125 S 2010

(Cont'd) NORWOOD, CHARLES P 11885 12635 MELVIN, JAMES

Target Street Cross Street Source

- EDR Digital Archive

# WINWOOD FARMS LOOP 2010

130	CARTWRIGHT, EDWARD E
385	MALOY, TONY C
303	MIDDLETON FIRE DEPT
430	HALL, JAMES R
600	GOAD, K W
680	WOODS FELICIA
000	WOODS, DENNIS S
765	DOLES, DAVID W
770	MUDD, JASON T
780	VELEZ, DONALD A
840	MEMPHIS FIRE SERVICE
0.10	WERNER, HELMUT B
935	DUNN, TOMMY L
950	SCOTT JAMES HOWARD
	SCOTT, JAMES H
1190	HOBBS, DARA R
1255	BOX CONSTRUCTION
	BOX, JIM F
1370	KERSH, RONALD C
1385	BODIFORD PATSY JO
	BODIFORD, TEDDY D
1820	MILHORN, SCOTT E
1830	COLLINS, ANGELA
2525	DAHLER, LEROY J
2750	COBB, DERRELL W
2975	MEN AT WORK CONTRACTORS
	MOORE, GREG A
3135	ALL AMERICAN YARD BARNS
3140	FOWLER NORMAN
	FOWLER, ARTIE L
3355	DEVORE DONNIE SR
3785	MILLER & COMPANY SOUTH
4215	HARDWOOD SLS PLANING SVCS INC
4315	JANES, DEBORAH

# HIGHWAY 125 S 2005

3	MASON, TAYLOR
ა 145	CAROTHERS, ANN S
220	TRINITY TRANSPORTATION INC
225	CARDWELLS STATE LINE
285	
727	BURNETTE, FRANK TIGERS DEN
1311	SIDES, AMOS W
1315	PITTMAN, CHERYL
1505	PICKERING, JANICE
1665	GREEN, JAKE
1915	COX LARRY W
2045	COX, LARRY W TIPPAH ELECTRIC POWER ASSOCIAT
2045	GRACE BAPTIST CHURCH
2095 2175	TOWNSEND, JIMMY L
	TURNER, DONALD N
2265	
2415 2435	RAINEY, HOWARD T CARTWRIGHT, AMANDA
2560	EL PASO CORPORATION
2500	SHAW E AND I
	TENNESSEE GAS PIPELINE COMPANY
5930	SAIN, PATTY
5960	STEWART, JOHN G
6125	WEST, JAMES E
6140	MUNN, BILLIE
6225	PATTERSON, KRISTY
6345	BAILEY, EDWARD E
6355	MCALPIN, AMY
6430	WEST, JANET M
6435	MATHIS, JAMES D
6445	MCCARTER, MAURINE
6470	CHESSOR, KENNY D
6495	ROBERSON, DANIELLE
6520	COSSAR, KENNETH R
6635	DAVIS, CARL G
6660	MCCARTER PLUMBING & ELEC CO
	MCCARTER, LESTER G
6850	FIELDS, VERNON L
6855	SAIN, MAYO
6880	KURODA, SHERRY B
8040	WHALEY, RACHEL
8165	BLACKARD BOBBY G
	HOWELL, TINA
8275	RICKETTS, JOSEPH W
8305	WILLIAMS, LOLA D
8390	KIRK, JAMES D
8415	DOYLE, JERRY A
8450	MCCOMMON BOBBY J
8475	ROGERS, DANIEL W
8485	HOPPER, DONALD L

<u>Target Street</u> <u>Cross Street</u>

<u>Source</u>

**EDR** Digital Archive

HIGHWAY 125 S

2005

(Cont'd)

8490	MCCOMMON, BOBBY J
8565	WOODY, SAMMY J
8735	DAVIS, SHELIA
8780	COX, RICKY G
8880	WYMAN, DALE L
9185	HOWELL, ANDREA D
9465	MCBRIDE, BOBBY J
9575	HALL, JAMES M
9710	HOWELL JOHN T
	HOWELL, JOHN T
9765	TRANUM, PHYLLIS H
9790	RIGGS, TOMMY W
9850	MCALPHIN, MICHAEL
10037	PARSONS, ZACHARY W
10110	HOGAN, TOMMY
10165	D & R CLEANING
	HENSLEY, ROBERT W
10330	SMALLEY, SARAH D
10435	HAYBERT, WALT R
10625	STAMEY, J C
10665	STANEY, LORRIE A
10690	MURPHY CONNIE
	MURPHY, LLOYD E
10720	HARRIS, JASON D
10725	FLUKER, SHIRLEY
10735	WEAVER, JAMES E
10770	SIPES
	SIPES, TROY L
10785	COX, CLEAVEREN
10860	BRYANT, RON T
11060	NORWOOD, PRESTON
11070	MCGUIRE, DEDRICK K
11190	TOMLIN, PATRICIA T
11200	CRISP, BRIDGETT
11210	MOUNT OLIVE MBC
11310	MOORE, HERBERT E
11335	MOORE, WOODY H
11385	WHITE, TOM L
11400	HAMMONS, SHANE S
11455	JACKSON, BILLY H
11470	JACKSON PARNELL
	JACKSON, BURNELL
11800	BAKER TONY
11850	ORMAN S AIR CONDITIONING & HTG
	ORMAN, JIM C
11885	NORWOOD, CHARLES P
12670	HARRIS, WILLIAM R
.2070	to assist, tracer and the

Target Street Cross Street Source

- EDR Digital Archive

# WINWOOD FARMS LOOP 2005

130	CARTWRIGHT, BARRY M	
385	MALOY, TONY C	
430	HALL, JAMES R	
600	WASHINGTON, GEORGE P	
665	MILLS, GEORGE	
680	WOODS, DENNIS	
765	DOLES, DAVID W	
770	GRAVES, DANNY L	
780	DONALD, V	
840	WERNER, HELMUT B	
935	DUNN, TOMMY L	
950	SCOTT, J	
1255	CALDWELL, THOMAS	
1370	ARGO, DERRILL	
1385	BODIFORD PATSY JO	
	BODIFORD, TEDDY D	
1830	COLLINS, KENNETH	
2330	LANGLEY, STACEY E	
2525	DAHLER, LEROY J	
2750	COBB, DERRELL W	
2975	MEN AT WORK CONTRACTORS	
3355	DEVORE DONNIE SR	
	DEVORE, FLOYD	
3785	MILLER & COMPANY SOUTH	
4215	HARDWOOD SALES & PLANING SVCS	
4325	LAKE, ANNETTE	

# HIGHWAY 125 S 2000

1	TENNESSEE GAS PIPELINE CO
5	SIPES, MARTHA
115	SCOTT, DONNA
145	CAROTHERS, J B
225	CARDWELLS STATE LINE
285	BURNETTE, FRANK
856	REID, LARRY
1070	SIMPSON, RUTH H
1165	BURKEEN, M B
1585	WILLIAMS, HORTON
1915	COX, LARRY W
1975	BOUNDS, KAREN
2095	GRACE BAPTIST CHURCH
2175	BALDWIN, VADEN
2265	TURNER, DONALD
2415	RAINEY, HOWARD
2435	LANGLEY, JESSICA
5960	STEWART, JOHN
6125	WEST, JAMES E
6225	PIPKIN, JASON
6345	BAILEY, EDWARD
6355	KING, LINDA
6430	WEST, JANET
6435	MATHIS, JAMES
6445	MCCARTER, MAURINE
6470	GILLON, MICKIE
6495	MCCARTER, SONNY
6520	GILLON, TAMMY
6565	SWITZER, M
6635	DAVIS, CARL G
6660	MCCARTER PLUMBING & ELEC CO
6850	FIELDS, VERNON L
6855	SAIN, W M
6880	KURODA, LAUREN
8040	WHALEY, RACHEL
8165	COX, JOE N
8200	SMALLEY, MILLARD
8273	RICKETTS, MARY S
8275	RICKETTS, JOSEPH
8305	WILLIAMS, J C
8390	KIRK, JAMES
8415	DOYLE, JERRY
8450	MCCOMMON BOBBY J
8475	HOPPER, DONALD L
8485	BISHOP, TONY
8490	MCCOMMON, BOBBY J
8780	COX, RICKY
9185	MAXWELL, NEWTON L
9465	MCBRIDE, BOBBY J
	•

9575

HALL, JAMES M

Target Street Cross Street Source
- Source EDR Digital Archive

HIGHWAY 125 S 2000 (Cont'd)

9765	TRANUM, P H
9790	RIGGS, TOMMY
9850	MCALPHIN, MICHAEL
9930	DONALDSON, JAMES
10035	BASS, JESSIE
10037	PARSONS, ZACHARY W
10110	HOGAN, JOHN
	HOGAN, TOMMY
10165	HENSLEY, ROBERT
10330	SMALLEY, S D
10435	HAYBERT, J M
10625	STAMEY, J C
10660	HOWELL, SAM
10665	STAMEY, TOMMY
10690	MURPHY, MICHAEL
10720	HARRIS, JASON S
10725	FLUKER, SHIRLEY
10735	WEAVER, JAMES E
10770	SIPES, TROY L
10860	BRYANT, TOMMY
10864	VANDIVER, RUSSELL
11060	NORWOOD, PRESTON
11070	MCGUIRE, RUTHIE
11200	CRISP, B
11210	MOUNT OLIVE MBC
11310	MOORE, HERBERT
11335	MOORE, WOODY H
11385	BAKER, RUSTY
	WHITE, TOM
11400	HAMMONS, SHANE
11455	JACKSON, BILLY
11470	MARCUM, DWANA
11850	ORMAN S AIR CONDITIONING & HTG
	ORMAN, JIM
11885	NORWOOD, CHARLES
12995	GOMEZ, ERICA

Target Street Cross Street Source

- EDR Digital Archive

# WINWOOD FARMS LOOP 2000

385	MALOY, TONY
430	HALL, JAMES
600	WASHINGTON, GEORGE
665	DOLES, DAVID
680	HOWELL, WILLIAM H
770	GRAVES, M L
780	BODIFORD, BO
785	EATON, M
1190	GOWDY, GLENN
1255	TUBBS, CAROL
1385	BODIFORD, TEDDY
2330	MCCOURT, JEFF
2750	COBB, DERRELL
3190	CORNELIUS, BILL
3355	DEVORE, DONNIE
4215	HOLDEN JOHN
4325	YOUNG, WILLIAM

# S HWY 125 1995

145	CAROTHERS, J B
285	BURNETTE, FRANK
475	SMITH, TAMARA
1070	SIMPSON, RUTH H
1145	JACKSON, BILLY
1315	CRUM, RICKY
1585	WILLIAMS, HORTON
1915	COX, LARRY W
1975	WELLS, PAUL
2175	ROGERS, JAKE
2265	TURNER, DONALD
2415	PULSE, ETTA F
	RAINEY, HOWARD
2435	PULSE, ALEX C
5930	SIMPSON, RITA
5960	STEWART, JOHN
6125	WEST, JAMES E
6140	COSTON, C J
6345	BAILEY, EDWARD
6430	WEST, JANET
6435	DAVIS, BUSTER
6495	MCCARTER, SONNY
0505	STEWART, ONA
6565	SWITZER, M
6570	PULSE, SCOTTY
6635	DAVIS, CARL G
6685	SAIN, W M
8165	COX, JOE N
8200	SMALLEY, MILLARD
8220	COLLINS, D M
8305	WILLIAMS, J C KIRK, JAMES
8390 8415	DOYLE, JERRY
8475	ANTHONY, JEFF
8490	MCCOMMON, JOE F
8780	PEEVYHOUSE, JIMMY
9315	MAXWELL, DICKIE
9320	CROWLEY, HUGH
9465	MCBRIDE, BOBBY J
J-100	TRANUM, P H
9575	HALL, JAMES M
9790	RIGGS, TOMMY
10035	BASS, JESSIE
10165	HENSLEY, ROBERT
10330	SMALLEY, RUBY L
10455	FUSSELL, JIM
10625	STAMEY, J C
10660	HOWELL, SAM
10720	HARRIS, JERRY D
10725	FLUKER, SHIRLEY
	- ,

Target Street Cross Street Source
- Source EDR Digital Archive

S HWY 125 1995 (Cont'd)

10750	SIPES, TROY L
10860	BRYANT, TOMMY
11060	NORWOOD, PRESTON
11200	CRISP, RICKY
11310	MOORE, HERBERT
11335	MOORE, WOODY H
11385	WHITE, TOM
11470	JACKSON, BURNELL
11800	VOYLES, ROY
11850	ORMAN, JIM
11885	NORWOOD, CHARLES
12635	DOYLE, OLA M
12670	HARRIS, PAULINE
12825	SMITH, TAMMY
80040	WHALEY, RACHEL

Target Street Cross Street Source

- EDR Digital Archive

# WINDWOD FARM 1995

	WINDWOD FARW	1990
385 680 1255 1385 1505 2750 4325	MALOY, TONY HOWELL, WILLIAM H ROBERTSON, LENARD BODIFORD, TEDDY CARMACK, RAYMOND HOWELL, CRAIG YOUNG, WILLIAM	

Target Street Cross Street Source

- EDR Digital Archive

# **WINWOOD FARMS LOOP 1995**

730	HALL, JAMES

412418 4215 Winwood Farm Loop Road Middleton, TN 38052

Inquiry Number: 5801562.3

September 24, 2019

# **Certified Sanborn® Map Report**



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

# **Certified Sanborn® Map Report**

09/24/19

Site Name: Client Name:

412418 AEI Consultants
4215 Winwood Farm Loop Roa 2500 Camino Diablo
Middleton, TN 38052 Walnut Creek, CA 94597
EDR Inquiry # 5801562.3 Contact: Kailee Callaway



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

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

#### Certified Sanborn Results:

Certification # 5590-437C-ABEF

PO # 207357 Project 412418

#### **UNMAPPED PROPERTY**

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



Sanborn® Library search results

Certification #: 5590-437C-ABEF

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

✓ Library of Congress

University Publications of America

▼ EDR Private Collection

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# APPENDIX E REGULATORY AGENCY RECORDS



Home About New Search Return to List

County Number: 035 County Name: HARDEMAN Tax Year: 2020

## **Property Owner and Mailing Address**

Jan 1 Owner:
HARDWOOD SALES AND PLANNING
SERVICES INC
PO BOX 305
4215 WINWOOD FARMS LOOP RD
MIDDLETON, TN 38052

# **Property Location**

Address: WINWOOD FARMS LOOP 4215

Map: 192 Grp: Ctrl Map: 192 Parcel: 008.02 PI: S/I: 000

#### **Value Information**

Reappraisal Year: 2018

 Land Mkt Value:
 \$22,400

 Improvement Value:
 \$214,500

 Total Market Appraisal:
 \$236,900

 Assessment %:
 40

 Assessment:
 \$94,760

#### **General Information**

Class: 08 - COMMERCIAL

 City #:
 000
 City:
 O/S CITIES

 SSD1:
 000
 SSD2:
 000

 District:
 05
 Mkt Area:
 E01

 # Bldgs:
 1
 # Mobile Homes:
 0

Utilities - Water / Sewer: 11 - INDIVIDUAL / INDIVIDUAL Utilities - Electricity: 01 - PUBLIC

Utilities - Gas / Gas Type: 00 - NONE Zoning:

#### **Subdivision Data**

Subdivision:

Plat Bk: Plat Pg: Block: Lot:

#### **Additional Description**

# **Building Information**

Building # 1

Improvement Type: 07 - RENTAL Stories: 1

Living/Business Sq. Ft.: 576

Foundation: 02 - CONTINUOUS FOOTING Floor System: 01 - SLAB ON GRADE

Exterior Wall: 04 - SIDING AVERAGE Structural Frame: 00 - NONE

**Roof Framing**: 02 - GABLE/HIP **Roof Cover/Deck**: 13 - PREFIN METAL CRIMPED

Cabinet/Millwork:02 - BELOW AVERAGEFloor Finish:01 - CONCRETE FINISHInterior Finish:11 - PANELING BELOW AVGPaint/Decor:02 - BELOW AVERAGE

Heat and A/C: 02 - WALL/FLOOR FURNACE Plumbing Fixtures: 2

Bath Tile: 00 - NONE Electrical: 03 - AVERAGE

Shape: 00 - SQUARE DESIGN Quality: 00 - BELOW AVERAGE

Act Yr Built: 1997 Condition: A - AVERAGE

**Building Areas:** 

 Area: BAS
 Sq Ft: 576

 Area: OPU
 Sq Ft: 192

## **Extra Features**

Bldg/Card#	Туре	Description	Units
1	OPEN SHED	78X80	6,240
1	CARPORT UNFINISHED DETACHED		1
1	OPEN SHED	120X151	18,840
1	SHED	24X27	648
1	IMPLEMENT SHED	70X125	8,750
1	SHED	61X75	4,575
1	IMPLEMENT SHED	40X75	3,000
1	IMPLEMENT SHED	31X84	2,604
1	IMPLEMENT SHED	IRR	3,334
1	FARM SHOP	26X36	936
1	SLAB	10X25	1,250
1	CARPORT UNFINISHED DETACHED	12X20	1

#### **Sale Information**

Sale Date	Price	Book	Page	Vac/Imp	Type Instrument	Qualification
06/26/2018		95	274	•	QC	
03/15/2002	\$250,000	P17	299	IMPROVED	WD	Р
03/13/1997	\$1,000	C16	74	IMPROVED	WD	Р
09/29/1995	\$1,000	S15	128	VACANT	WD	М
03/28/1994	\$20,000	H15	647	VACANT	WD	Α
02/19/1993	\$0	Z14	740			
01/21/1993	\$0	Z14	238			
06/06/1991	\$0	D14	305			
06/30/1986	\$0	R10	110			

#### **Land Information**

Deed Acres: 11.81 Calc Acres: 0.00 Total Land Units: 11.81

Land Type: 11 - COM RURAL Soil Class: Units: 11.81

New Search Return to List View GIS Map for this Parcel

Glossary of Terms How to Search Fact Sheet

Division of Property Assessments Comptroller of the Treasury State of Tennessee

Home Page Home Page Home Page

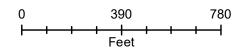
# Tax Map





# HARDEMAN COUNTY, TENNESSEE

DISCLAIMER: THIS MAP IS FOR PROPERTY TAX ASSESSMENT PURPOSES ONLY. IT WAS CONSTRUCTED FROM PROPERTY INFORMATION RECORDED IN THE OFFICE OF THE REGISTER OF DEEDS AND IS NOT CONCLUSIVE AS TO LOCATION OF PROPERTY OR LEGAL OWNERSHIP.



# RDA 2297 Set 5

# FACILITY ID 350104

# Alan D. Dodge

From: Susan Watts

Sent: Friday, December 26, 2014 10:06 AM

To: Alan D. Dodge
Cc: Ronda Johnson
Subject: RE: UST EP Minerals

Alan.

After careful review and a discussion with Rhonda Key. The Moltan facility #8-350104 abandoned facility case can be closed. The requirements sent to the property owner can be rescinded. Yay!!

#### Susan E. Watts

Division of Underground Storage Tank William R. Snodgrass Tennessee Tower 312 Rosa L. Parks Avenue, 12th Floor Nashville, TN 37243

Office: (615) 532-0958 Email: susan.watts@TN.gov



Sign-up for the TDEC E-Newsletter.

Take a minute and tell us how we are doing. https://www.surveymonkev.com/s/TDECSurvey

From: Alan D. Dodge

Sent: Monday, December 22, 2014 1:36 PM

To: Susan Watts

Subject: FW: UST EP Minerals

Importance: High

Hey Susan:

I just got this email from the environmental guy at EP Mineral (Moltan). I'm going to print it and put it in the file.

Can you answer him as far as the last line? I told him that it was listed as a 200 gallon "other" tank.

There are actually 3 different ID #'s that come up when you put Moltan in the database as "name". The 9791050 shows a 200 gallon other as being removed in 1988. 8350104, which is the one we are working, shows the same 200 gallon other installed the same year (1983) but never removed. Could be another case of duplicate ID #'s.

They are more than willing to comply, just not sure where the tank was or is.

Thanks

Alan

**From:** Todd, Billy [mailto:billy.todd@epminerals.com]

Sent: Monday, December 22, 2014 1:15 PM

**To:** Alan D. Dodge **Cc:** Humphreys, Lita **Subject:** UST EP Minerals

Importance: High

\*\*\* This is an EXTERNAL email. Please exercise caution. DO NOT open attachments or click links from unknown senders or unexpected email - OIR-Security. \*\*\*

# Mr. Alan Dodge

EP Minerals has reviewed your December 17, 2014 letter inquiring about an underground storage tank (UST) at our Middleton facility. My personal inquiry of long-time employees at the facility did not produce any recollection by anyone of any UST's being on site or ever having been on site. A review of a "Phase 1 Environmental Site Assessment" conducted in 2012 in connection with the sale of Moltan Company to EP Minerals makes a brief mention of one at Middleton:

"The EDR report listed the site as having a former 200-gallon UST. According to the TDEC Division of Underground Storage Tanks, the UST was installed in 1983 and was used for the storage of water. The UST was removed from the site in 1988."

A review of TDEC's UST on-line database reveals no mention of any UST's being registered to Moltan or EP Minerals at the Middleton facility. The only entry appears on the UST "environmental activities" spreadsheet and appears to relate to your current inquiry. I believe that any registration of this water UST was likely made in error since only UST's storing petroleum products are required to be registered.

We request that you provide us any information regarding the UST referenced in your inquiry letter if it differs from what we have described here.

## Bill Todd

EHS Manager (Middleton Site)
Office - 1-731-376-8411 ext. 111
Cell - 1-731-518-8520



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# **Billy Todd**



220 Highway 125 S Middleton, TN 38052 (p) 731-376-8411 x105 | (m) 731-518-8520 | (f)

email: <u>billy.todd@epminerals.com</u> website: <u>www.epminerals.com</u>

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# Älan D. Dodge

From:

Todd, Billy <billy.todd@epminerals.com>

Sent:

Monday, December 22, 2014 1:15 PM

To: Cc:

Alan D. Dodge

Humphreys, Lita

Subject:

**UST EP Minerals** 

Importance:

High

\*\*\* This is an EXTERNAL email. Please exercise caution. DO NOT open attachments or click links from unknown senders or unexpected email - OIR-Security. \*\*\*

#### Mr. Alan Dodge

EP Minerals has reviewed your December 17, 2014 letter inquiring about an underground storage tank (UST) at our Middleton facility. My personal inquiry of long-time employees at the facility did not produce any recollection by anyone of any UST's being on site or ever having been on site. A review of a "Phase 1 Environmental Site Assessment" conducted in 2012 in connection with the sale of Moltan Company to EP Minerals makes a brief mention of one at Middleton:

"The EDR report listed the site as having a former 200-gallon UST. According to the TDEC Division of Underground Storage Tanks, the UST was installed in 1983 and was used for the storage of water. The UST was removed from the site in 1988."

A review of TDEC's UST on-line database reveals no mention of any UST's being registered to Moltan or EP Minerals at the Middleton facility. The only entry appears on the UST "environmental activities" spreadsheet and appears to relate to your current inquiry. I believe that any registration of this water UST was likely made in error since only UST's storing petroleum products are required to be registered.

We request that you provide us any information regarding the UST referenced in your inquiry letter if it differs from what we have described here.

# Bill Todd

EHS Manager (Middleton Site) Office - 1-731-376-8411 ext. 111 Cell - 1-731-518-8520



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#### **Billy Todd**



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# COMPLETE THIS SECTION ON DELIVERY **SENDER: COMPLETE THIS SECTION** ms 1, 2, and 3. Also complete stricted Delivery is desired. ☐ Addressee Print your name and address on the reverse so that we can return the card to you. C. Date of Delivery Received by (Printed Name) Attach this card to the back of the mailpiece, Evaine McChure or on the front if space permits. D. Is delivery address different from item 1? 1. Article Addressed to: If YES, enter delivery address below: ☐ No Mr. Jim Loeppky, Manager E.P. Minerals 220 Highway 125 South 3. Service Type Middleton, TN 38052 Certified Mail® ☐ Priority Mail Express™ Registered Return Receipt for Merchandise Insured Mail ☐ Collect on Delivery 4. Restricted Delivery? (Extra Fee) 2. Article Number 7010 2780 (Transfer from service label) PS Form 3811, July 2013 Domestic Return Receipt UNITED STATES POSTAL SERVICE First-Class Mail THE THEO Postage & Fees Paid IS DEC '14 Permit No. G-10 Sender: Please print your name, address, and ZIP+4® in this box Tennessee Dept. of Environment & Conservation 1625 Hollywood Drive DEC 23 2014 Jackson, TN 38305-4316 JACKSON E.A.C. 7155 ոլիերինիրիներիններին գործունի իրկիրինի

8350104

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'n	Total Postage & Fees	\$	
7010	Ser Mr. Jim Loepp Sire E.P. Minerals or F 220 Highway 1 City Middleton, TN	25 South	
	PS Form 3800, August 2	006	See Reverse for Instructions



# TENNESSEE DEPARTMENT OF ENVIRONMENT AND CONSERVATION JACKSON ENVIRONMENTAL FIELD OFFICE 1625 HOLLYWOOD DRIVE JACKSON, TENNESSEE 38305-4316 PHONE (731) 512-1300 STATEWIDE 1-888-891-8332 FAX (731) 661-6283

December 17, 2014

CERTIFIED MAIL # 7010 2780 0002 4005 0949

Mr. Jim Loeppky Mgr. E. P. Minerals 220 Highway 125 South Middleton, TN 38052

RE: Underground Storage Tanks

Molton Company

220 Highway 125 South

Middleton, Hardeman County, TN

Facility I.D. # 8-350104

Dear Mr. Loeppky:

The Division of Underground Storage Tanks is assigned the responsibility for underground storage tank (UST) systems at petroleum sites across the State of Tennessee. Recently, the Division performed a survey of potentially abandoned USTs where the registered tank owner has not communicated with the Division for an extended period of time, and it will be seeking to have the USTs identified in the survey permanently closed.

Based on previously submitted notification documents, an underground storage tank (UST) was registered at the above referenced site. On or about October 11, 2012, Division representatives conducted an inspection at the above referenced site but did not identify any evidence of the registered UST. In accordance with Tennessee Code Annotated (T.C.A.) § 68-215-114(a), regulated USTs shall be permanently closed in accordance with Rule 0400-18-01-.07, however, the Division has not received the required documentation of such.

The Division has also obtained information that indicates that EP Minerals is the current owner of the petroleum site, and according to the Tennessee Petroleum Underground Storage Tank Act in 68-215-103(17)(A), the petroleum site owner is a responsible party. The Division very much wishes to work cooperatively with all responsible parties identified during the survey and is offering you the

opportunity to perform the work required to properly document the permanent closure of the USTs following Rule 0400-18-01-.07.

If the USTs are still located in the ground, the Permanent Closure Application shall be submitted within 30 days of receipt of this letter and the Permanent Closure Report shall be submitted within 90 days of receipt of this letter to the applicable field office. Please see the field office map at <a href="http://www.tn.gov/environment/ust/docs/USTFOMap.pdf">http://www.tn.gov/environment/ust/docs/USTFOMap.pdf</a>.

If the USTs were removed, a Permanent Closure Report shall be submitted within 90 days of receipt of this letter to the applicable field office.

The required Permanent Closure Application and Guidelines can be viewed at <a href="http://www.state.tn.us/environment/ust/close.shtml">http://www.state.tn.us/environment/ust/close.shtml</a>.

If you feel you are not financially able to undertake and complete the remedial activities at this site, including the removal of the USTs, the Division has limited funds available to conduct this work. In order to utilize these funds, you must first complete the enclosed financial assistance application and provide the following documentation supporting your claim of financial inability:

- 1) Copies of your last three (3) years of federal income tax returns. Please include copies of all applicable schedules and attachments with your income tax returns.
- 2) Obtain and submit a current credit report from a Credit Bureau.
- 3) Description of the type of ownership of all businesses (i.e. sole owner, joint owner, etc.)
- 4) Signed Grant of Access
- 5) Any other information supporting your claim

Please submit the above documentation marked "Confidential" no later than February 9, 2015 to:

Susan Watts Division of Underground Storage Tanks 4th Floor L & C Tower, 401 Church Street Nashville, Tennessee 37243

If you have any questions pertaining to the financial assistance application or supporting documentation, please call Susan Watts at (615) 532-0958.

If you have any questions, please do not hesitate to call me at 731-512-1346.

Sincerely.

Alan Dodge

Division of Underground Storage Tanks

Financial Assistance Application Enclosures:

Grant of Access Form

Permanent Closure Guidelines Permanent Closure Application
Permanent Closure Report

Application for Fund Eligibility

Mr. Bill Todd, Environmental Specialist, EP Minerals cc:

Technical File #8-350104

# **Division of Underground Storage Tanks**

# **Telephone Conversation Record**

Date:December 16, 2014	
Time:10:10	
Facility ID# 8350104	
Facility Name:Moltan	
From:Bill Todd	
Phone Number731-376-8428	_
Subject:Lost tank	
asked Mr. Todd if he can get with the engineering defacility that might have the 200 gallon tank on them can find out and call me back again.  Mr. Loeppke told me previously that no one working	. He is going to do some research and see what he
	1
Case Manager: Colon Dodg	

# **Susan Watts**

From:

Mike Larrivee <mlarrivee@semsinc.net>

Sent:

Monday, November 12, 2012 10:44 AM

To:

Roger Paulson; Susan Watts

Cc:

LukeHall (jhall@semsinc.net); Gloria Buehler

Subject:

Re: FW: AFR - #8-350104 Moltan Company

**Attachments:** 

Moltan Co..pdf

#### Please see responses in red below. Thanks!

On Fri, 9 Nov 2012 22:52:28 +0000, Susan Watts < Susan. Watts@tn.gov> wrote:

Response?

From: Susan Watts

Sent: Wednesday, October 31, 2012 4:09 PM

To: Roger Paulson

Subject: AFR - #8-350104 Moltan Company

Roger,

This report has a couple of problems.

- 1. The latitude and longitude have a few too many numbers. Please provide me with a correct latitude and longitude. 34°59'56.75"N 88°53'32.03"W
- 2. Page 6 #1c: You state that a municipal water well is located 0.1 to 0.25 miles SSW of the facility, but this well is not plotted on the topo. Do you know its location? If so, please provide me with a new topo with the municipal well plotted. Entered in error. Municipal well is located just outside the .5 mile radius to the SSW. WPA map attached for reference.

Please provide your responses by 11/8/12. Call me if you have any questions.

## Susan E Watts

Tennessee Department of Environment & Conservation

Division of Underground Storage Tanks

40,1 Church Street, 4th Floor L & C Tower

Nashville, Tennessee 37243

(615) 532-0958

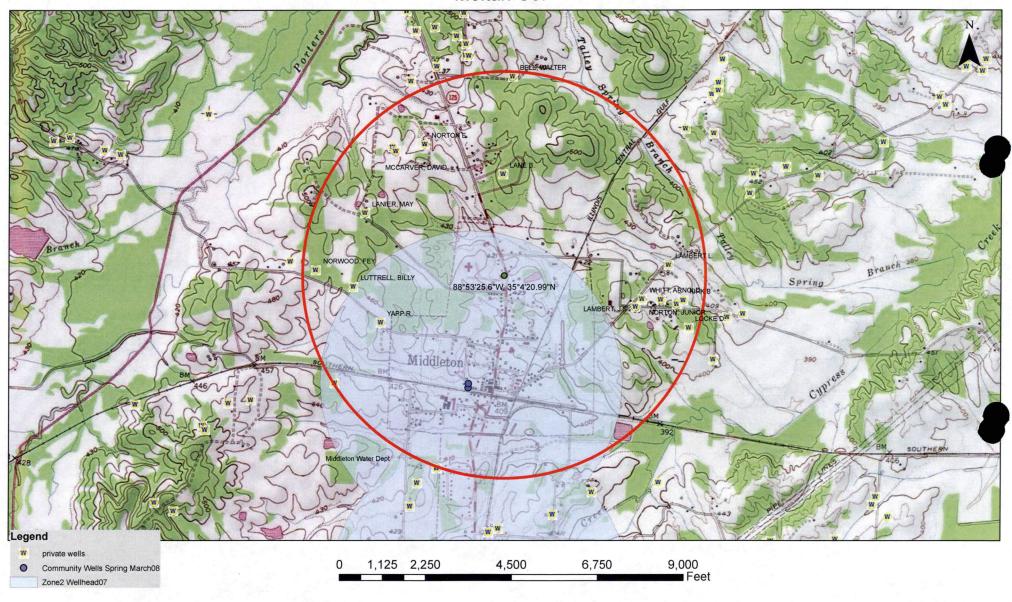
Susan.Watts@tn.gov

Environmental Scientist SEMS Inc. office: 901 381-5225

mobile: 901 383-3549 fax: 901 381-5224

•

# Moltan Co.





From:

Susan Watts

Sent:

Wednesday, October 31, 2012 4:09 PM

To:

Roger Paulson

Subject:

AFR - #8-350104 Moltan Company

Roger,

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- 1. The latitude and longitude have a few too many numbers. Please provide me with a correct latitude and longitude.
- 2. Page 6 #1c: You state that a municipal water well is located 0.1 to 0.25 miles SSW of the facility, but this well is not plotted on the topo. Do you know its location? If so, please provide me with a new topo with the municipal well plotted.

Please provide your responses by 11/8/12. Call me if you have any questions.

## Susan E Watts

Tennessee Department of Environment & Conservation Division of Underground Storage Tanks 401 Church Street, 4th Floor L & C Tower Nashville, Tennessee 37243 (615) 532-0958 Susan.Watts@tn.gov

# Field Work Notification LT/SL Cases SEMS

Date	UST Contractor	Facility ID#	Facility Name	Field Activity	Employee(s)	Comments (Time on site, etc.
10/10/2012	SEMS, Inc	8-350011	Bolivar Amoco	Quarterly O&M	Melvin Fields	9:30
10/9/2012	SEMS, Inc	7-030030	Pafford's	Site Recon	Luke Hall	8:00
10/9/2012	SEMS, Inc	7-030035	Old Depot Grocery	Site Recon	Luke Hall	10:00
10/9/2012	SEMS, Inc	7-090009	Bogle Motors	Site Recon	Luke Hall	12:00
10/9/2012	SEMS, Inc	7-090028	Harris	Site Recon	Luke Hall	14:00
10/9/2012	SEMS, Inc	7-090033	Houston	Site Recon	Luke Hall	16:00
10/9/2012	SEMS, Inc	7-090062	Westport Grocery	Site Recon	Luke Hall	18:00
10/10/2012	SEMS, Inc	7-090066	Sue's Market	Site Recon	Luke Hall	14:00
10/10/2012	SEMS, Inc	7-090078	Traywick	Site Recon	Luke Hall	16:00
10/10/2012	SEMS, Inc	7-090082	Walker's	Site Recon	Luke Hall	18:00
10/11/2012	SEMS, Inc	7-230103	Mcneer Grocery	Site Recon	Luke Hall	8:00
10/11/2012	SEMS, Inc	7-270045	Dycus Grocery	Site Recon	Luke Hall	10:00
10/11/2012	SEMS, Inc	7-270098	Northside Quick Stop	Site Recon	Luke Hall	12:00
10/10/2012	SEMS, Inc	7-400046	Hills	Site Recon	Luke Hall	8:00
10/10/2012	SEMS, Inc	7-400098	Tecumseh Prod Inc	Site Recon	Luke Hall	10:00
10/10/2012	SEMS, Inc	7-400106	W.L. Wilson	Site Recon	Luke Hall	12:00
10/11/2012	SEMS, Inc	7-480015	Gratio Grocery	Site Recon	Luke Hall	14:00
10/11/2012	SEMS, Inc	7-660116	Dunn & Faulkner Auto Sales	Site Recon	Luke Hall	16:00
10/11/2012	SEMS, Inc	7-920024	Goodyear Tire & Rubber	Site Recon	Luke Hall	18:00
10/12/2012	SEMS, Inc	8-200038	Oscar Gibson & Co	Site Recon	Mike Larrivee	14:00
10/12/2012	SEMS, Inc	8-200047	Super Serv	Site Recon	Mike Larrivee	16:00
10/12/2012	SEMS, Inc	8-200058	Readey's Grocery	Site Recon	Mike Larrivee	18:00
10/11/2012	SEMS, Inc	8-350020	DH Grocery	Site Recon	Mike Larrivee	8:00
10/11/2012	SEMS, Inc	8-350074	Redfearn Grocery	Site Recon	Mike Larrivee	10:00
10/11/2012	SEMS, Inc	8-350098	Whitehurst Exxon	Site Recon	Mike Larrivee	12:00
10/11/2012	SEMS, Inc	8-350104	Moltan Co	Site Recon	Mike Larrivee	14:00
10/11/2012	SEMS, Inc	8-350108	Yopp's Pit Stop	Site Recon	Mike Larrivee	16:00
10/12/2012	SEMS, Inc	8-360078	Willis Exxon	Site Recon	Mike Larrivee	8:00
10/12/2012	SEMS, Inc	8-360089	64 Fast Stop	Site Recon	Mike Larrivee	10:00
10/12/2012	SEMS, Inc	8-360134	Tenn Tuckey One Stop	Site Recon	Mike Larrivee	12:00
10/9/2012	SEMS, Inc	8-390016	Dale Rogers	Site Recon	Mike Larrivee	10:00
10/9/2012	SEMS, Inc	8-390019	Derryberry Feeder Pig	Site Recon	Mike Larrivee	12:00
10/9/2012	SEMS, Inc	8-390028	Hayes Grocery	Site Recon	Mike Larrivee	14:00
10/9/2012	SEMS, Inc	8-390136	B and L Grocery	Site Recon	Mike Larrivee	8:00
10/9/2012	SEMS, Inc	8-550080	Barnett's Grocery	Site Recon	Mike Larrivee	16:00
10/9/2012	SEMS, Inc	8-550115	Stateline Shell	Site Recon	Mike Larrivee	18:00
10/10/2012	SEMS, Inc	8-570144	(Fmr EL Morgan) Harts Bridge	Tank Closure	Mike Larrivee	9:00

TECHNICAL FILE



1683 N. Shelby Oaks Drive, Suite 1 Memphis, TN 38134

Phone: 901-381-5225 Fax: 901-381-5224 www.semsinc.net

Received

OCT 19 2012

Ms. Geina Skinner TDEC-DUST, Technical Development Section 401 Church Street

4<sup>th</sup> Floor L&C Tower

October 18, 2012

Nashville, Tennessee 37243

Division of Underground Storage Tanks

#### ABANDONED FACILITY REPORT

Jackson Region (Region 7/8)

Moltan Co.
145 Hwy. 125 S

Middleton, Tennessee 38052

TDEC Facility #8-350104

NTP #12-09-02

Dear Ms. Skinner:

Southern Environmental Management & Specialties Inc. (SEMS) is submitting the enclosed Tennessee Department of Environment and Conservation, Division of Underground Storage Tanks (TDEC-DUST), Abandoned Facility Report for the above-referenced site.

Should you require additional information, please contact me at (901) 381-5225.

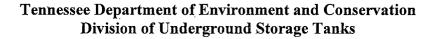
Sincerely, **SEMS**, Inc.

H5698

#5698

#5698

Luke Hall, P.G. #5698 Geologist



### **UST CONTRACT SECTION**

### ABANDONED FACILITY REPORT Effective Date: July 1, 2012

The Abandoned Facility Report (AFR) shall contain all data gathered during field activities.

Each section of the AFR shall be prepared and assembled in the order presented within these guidelines. All maps and tables shall be in the appropriate sections, not in appendices. All maps shall be on  $8.5 \times 11$  or  $11 \times 17$  inch paper and contain, at a minimum, a north arrow, legend, scale bar and figure number. These guidelines are intended to provide a structured outline. Any information that is not specifically requested but is relevant to the project shall also be included. The preparer shall assemble the required information in each section so as to provide a comprehensive document. All pages of the report, including the tables and figures, shall be consecutively numbered. Each section and subsection heading shall be clearly printed in the report. A table of contents shall be provided listing the location of all sections, maps, tables, and appendices.

All correspondence, reports, laboratory analysis sheets, etc. shall contain the TN UST Facility ID number. Photostatic copies of the laboratory analysis sheets are not acceptable.

### UST CORRECTIVE ACTION SECTION

### ABANDONED FACILITY REPORT

IF THE PHYSICAL LOCATION OF THE FACILITY CAN NOT BE DETERMINED BASED ON THE FILE REVIEWS AND THE IN-PERSON MEETING WITH DIVISION STAFF, DO NOT COMPLETE THIS REPORT.

A. Facility and General Information

	Date of Report:	18 Oct 2012
	Facility ID #:	8-350104
	Facility Name:	Moltan Co.
	Facility Address:	145 TN 125
		Middleton, TN 38052
		of UST system (if located): e: _34_ ° _59 ' _952_"; Longitude: _88_ ° _53_ ' _627_"
,	surrounding the facility,	of the facility which: a) identifies the facility, b) shows the properties and c) is an appropriate scale so that the facility can easily be identified de the link for the Google® location map below:
	9859&sspn=0.003992,0.00 e+38052&z=18 Owner/Operator Name:	18256&oq=145+tn+&t=h&hnear=145+Tennessee+125,+Middleton,+Ten  Moltan Co. Jim Loeppke - 731-376-8411
nessee		731-376-8411
	Owner/Operator Address	
	•	Middleton, TN 38052
	The current property ow	ner shall be contacted at least a week prior to visiting the facility.
	Property Owner Name:	Gurley Companies LP E.P. Minards LLC
	Property Owner Address	s: 7125 Riverdale Bend Rd.
		Memphis, TN 38125
	Property Owner Phone #	
· 29	=======================================	

	1)	A copy of the tax records shall be obtained for the subject property and att Please note that the tax records shall be obtained from the appropriate loca and include a:		
			Attached	
		a) Copy of the tax map, with the UST facility identified on the map	Yes Yes	☐ No
		b) Copy of the tax card for the UST property	Yes	☐ No
		c) Copy of the deed for the UST property	Yes v	☐ No
٠.	٠	All tax record information shall be obtained from the local government assessors website is not an adequate resource for tax record information.	ent agency as	the state
	2)	Based on the tax records, what is the current use of the UST property (che Residential Commercial	ck all that app	ly)?
		☐ Vacant – zoned residential ☐ Vacant – zoned comm	nercial	•
		Other		
В.	US	Based on the tax records, what type of structural foundation(s) are noted of Basement Crawl Space Slab-on-grades Statement Crawl Space Slab-on-grades Statement Crawl Space Slab-on-grades Statement Crawl Space Slab-on-grades Slab-on-g	e	
	1)	What is the current use of the UST property (check all that apply) based on the field?	n observation	made in
,		Residential Commercial	• •	
,		☐ Vacant – zoned residential ☐ Vacant – zoned comm	mercial	
		Other		_
	٠.			t.
_	2)	Were the USTs identified/located on the UST property?	Yes	No
		(If the location of the tank(s) is not obvious a metal detector is approved.)		
		If no, was there any evidence that the tanks may still be on site (i.e. vent li	nes, obvious p	avement
	4	variations, etc.) No	· · ·	
				*
			·	<del></del>

If tanks are located on the property and accessible, then LEL readings from each tank shall first be collected and noted in the table below. After the LEL readings are collected, the fluid in each tank shall be measured to 1/8-inch with a stick and discriminating paste and documented below.

Assumed		Tank Height and Assumed	Type product	Type product as	LEL Reading (% LEL)	Measured Thickness (inches)		
Tank Number	Red Tag Number	Capacity based on tank chart* (inches)	listed on notification form	determined by evidence onsite		Product	Water	
						- A		

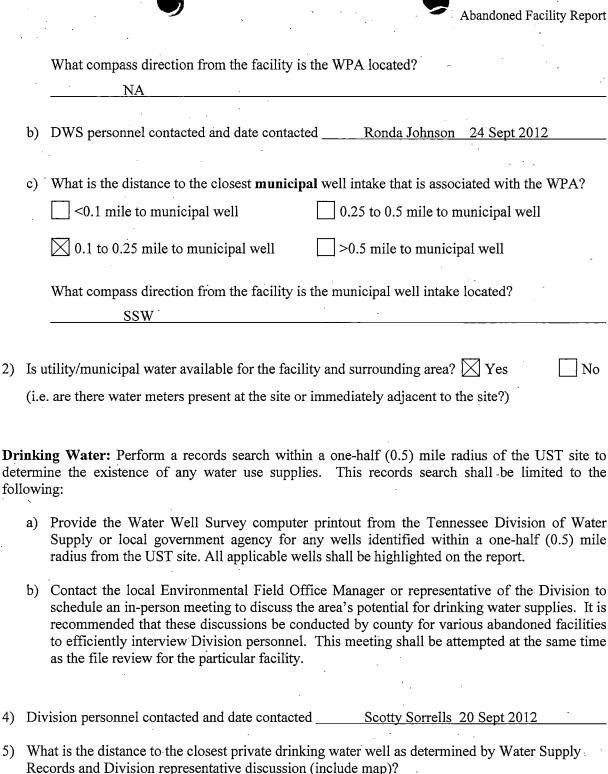
3)	Were red tags present on the tanks?	NA	Yes	☐ No
	If red tags were present and had to be c below the number on the red tag(s) that a)		e the UST, please doo	cument
	b)	e)		
	c)	f)		_
4)	Are the dispensers still present?		Yes	No No
	If yes, please list the product type denote	ted on the dispenser(s):		
	a)	d)		
	.b)	e)		
	c)	f)		_
5)	Were observation/monitoring wells obs	erved onsite?	Yes	No No

well shal benzene, bared to t untered do t in Appen he concent	Il be collected total xylenes the applicable onot collect andix C) trations exceed that the collection is trationally trations exceed that the collection is trationally trati	d and submit, MTBE, and ISLs as a grab sample d the ISLs?	tted for laborated naphthalene. screening mech	rab sample (i.e. ory analysis of The analytical hanism only. analysis. (attach	benzene, tolu l results shall If free produc
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nge and m	ructures, over onitoring well	rhead utilities	of the tank(s), property, observable und	roduct and vent lerground utilitie	line(s), dispenes (without a m
igs, and m	omtoring wen	15.			* *
MPLETE	THE WATER	R USE AND F	RECEPTOR SUI	RVEY SHEETS	٠.
ment agen fellhead Pr inessee Di conclusion	ncy shall be rotection Area vision of Wat ns derived reg	contacted to (WPA). Prov ter Supply an	determine if to wide documentat ad/or the authori	he UST site is ion stating the in ized local govern	located with dividual containment agency.
T property	within a Wel	lhead Protecti	ion Area (WPA)	? X	Yes
r	omplete rotection A ment ager Vellhead Pr nnessee Di conclusion rea (WPA)	rotection Area: The Tendent agency shall be Vellhead Protection Area anessee Division of Walconclusions derived regrea (WPA).	omplete the Water Use and I rotection Area: The Tennessee Divisument agency shall be contacted to Vellhead Protection Area (WPA). Promessee Division of Water Supply and conclusions derived regarding the lorea (WPA).	omplete the Water USE AND RECEPTOR SUrotection Area: The Tennessee Division of Water Sument agency shall be contacted to determine if the Vellhead Protection Area (WPA). Provide documentations are Division of Water Supply and/or the author conclusions derived regarding the location of the US rea (WPA).	OMPLETE THE WATER USE AND RECEPTOR SURVEY SHEETS rotection Area: The Tennessee Division of Water Supply (DWS) and ment agency shall be contacted to determine if the UST site is Vellhead Protection Area (WPA). Provide documentation stating the intenessee Division of Water Supply and/or the authorized local gover conclusions derived regarding the location of the UST site to any detera (WPA).

>0.5 mile to WPA

0.1 to 0.25 mile to WPA

a) If observation/monitoring well(s) are present, then OVD readings shall first be taken and



What compass direction from the facility is the private well located? \_\_\_\_\_North

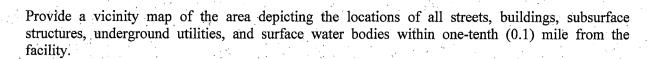
< 0.1 mile to private well

0.1 to 0.25 mile to private well

0.25 to 0.5 mile to private well

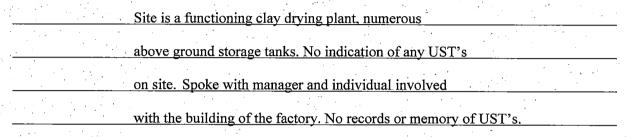
> >0.5 mile to private well

4) What is the distance and use of the closest surface	water as determined b	y topographic	e map
(include map)?			•
<0.1 mile to surface water			
0.1 to 0.25 mile to surface water			
20.25 to 0.5 mile to surface water			
What compass direction from the facility is the	surface water located	d?	
ENE			
map shall depict the facility location and the one-quart UST facility. If drinking water supplies are adjacent to showing the locations. A legend shall be provided deta	the UST facility, then	n provide a vi	cinity map
Karst: (A karst survey shall be conducted in areas with	carbonate bedrock)		
Examine the appropriate portions of the 7.5 minute US to determine if the site and area located within a one region. This examination shall include the identificat and/or caves identified on the topographic and/or geological	e-half (0.5) mile radi ion of all springs, si	ius of the site	is a karsti
1) Is the UST property located in a karstic region?	·	Yes	No No
			·
Property Use:		•	
The adjacent properties shall be noted for their use by the completion of the water use and receptor surveys sl	-	^	erviews for
2) What is the distance to the closest residence (include	de map)?		
<pre>&lt;100 ft to residence</pre>			
100 to 250 feet to residence		~	
250 ft to 0.1 mile to residence			
no residence within 0.1 mile			
	•		



### Other Information:

Photographic documentation shall be collected during the facility visit and provided in Appendix E. The documentation shall be attached and include, but not limited to, documentation of: the facility itself, the tankhold area, the dispenser area, soil boring evidence or monitoring wells onsite, obstructions either overhead, above ground or below ground, canopy, and any significant areas of concern. Please discuss below any structures that may be prohibitive or problematic for removal of the tank system. If applicable please explicitly describe below.



Please provide any additional information that was noted for the facility, including all field notes in Appendix F.



Appendix A – Tax records for UST property

Appendix B – Tank chart(s)

Appendix C – Laboratory analysis reports (if applicable)

Appendix D – All water usage documentation

Appendix E – Photographic documentation of facility

Appendix F – Field notes

### E. Signature Page

A signature page, as shown below shall be attached to the AFR. The page shall be signed by a registered professional geologist under the Tennessee Geologist Act (*T.C.A. §62-36-101 et seq.*), or a registered professional engineer under the Tennessee Architects, Engineers, Landscape Architects, and Interior Designers Law and Rules (*T.C.A. §62-2-101 et seq.*).

I, the undersigned, certify under penalty of law, including but not limited to penalties for perjury, that the information contained in this report form and on any attachments, is true, accurate and complete to the best of our knowledge, information, and belief. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for intentional violations.

John Luke Hall
P.E. or P.G. (Print name)

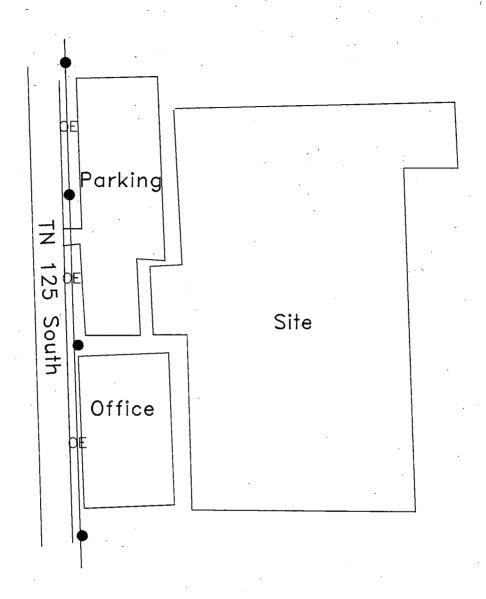
Signature

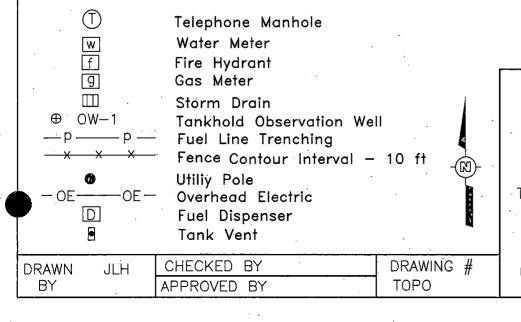
Date

Tennessee Registration #



Note: The above signature shall be not	용하게 된다면 보고 있다. 그런 보고 있는데 그리고 있다면 사람들이 있다면 그렇게 되었다면 그렇게 되었다면 보고 있다면 보고 있다면 보고 있다면 보고 있다면 보고 있다면 보고 있다. 그리고 있다면 보고
STATE OF Tennessee	COUNTY OF Shelby
Sworn to and subscribed before me by _	John Luke Hall on this date
10/18/12	My commission expires6/30/12
Yvette S. Murphy Notary Public (Print name)	Signature S. Murphy 10/18/12 Date
Electron My	



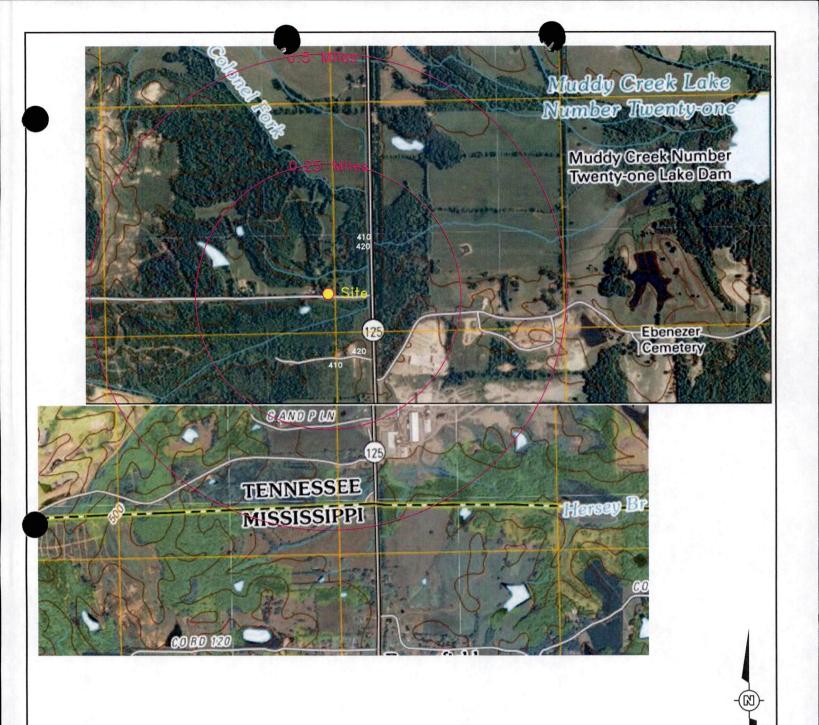


Approximate Scale in Feet
0 80 160

### SITE MAP

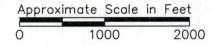
Moltan Co. 145 Hwy 125 South Middleton, Tennessee TDEC FACILITY ID #8-350104

SEMS, Inc.)





Private Water Well and Owner Site Contour Elevation



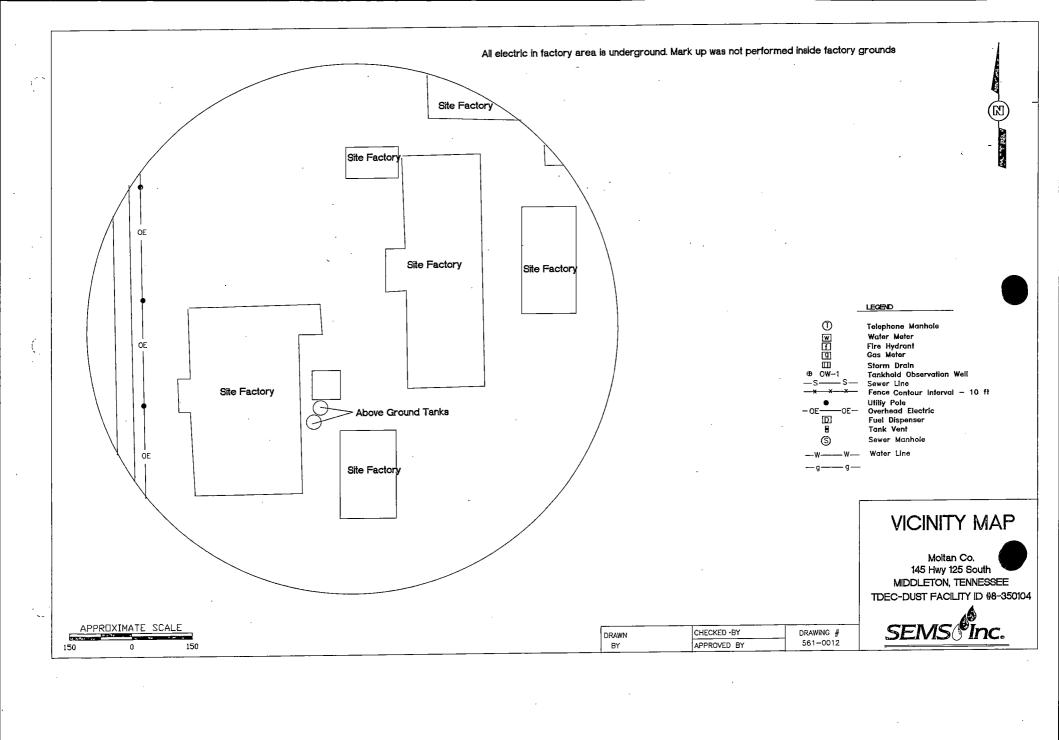
Contour Interval - 10 ft

## SITE TOPOGRAPHIC MAP

Moltan Co. 145 TN 125 MIDDLETON, TENNESSEE TDEC FACILITY ID #8-350104

DRAWN JLH CHECKED BY DRAWING #
BY APPROVED BY TOPO

SEMS, Inc.



Property Type: 09 Industrial	ASS	SESSOR	OF PRI	OPERTY - PRO	PERIYRE	GORD CARD				
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Property Type: 09 Industrial	AS	SSESS	SOR OF P	ROPERTY -	PROPERTY RE	CORD CARD							
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Property Type: 09 Industrial

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Property Type: 09 Industrial

220 HWY 125 S

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ASSESSOR OF PROPERTY - PROPERTY RECORD CARD

192

035

TAX YEAR 2013 HARDEMAN

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Subdivision

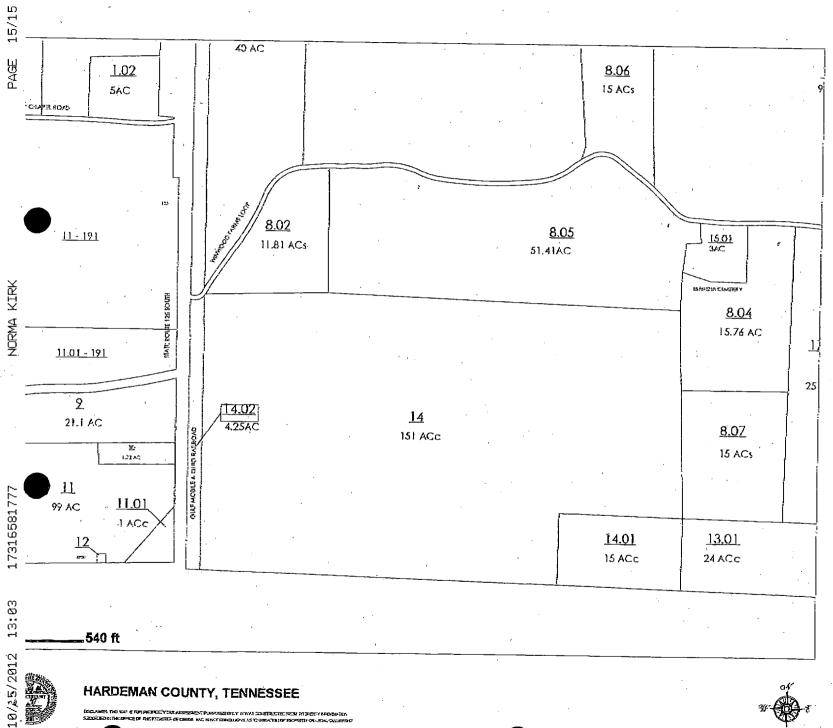
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OWNERSHIP And Making Address  GURLEY COMPANIES LP THE  7125 RIVERDALE BEND RD  MEMPHIS TN 38125	All Subdiv											RCEL PI
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Property Type: 09 Industrial	ASSESSOR OF PROPERTY - PROPERTY RECORD CARD	
220 HWY 125 S  Property Address  Ownership and Mailing Address  GURLEY COMPANIES LP THE 7125 RIVERDALE BEND RD  MEMPHIS TN 38125	Subdivision BK PG BLOCK LOT TRACT At Subdiv BK PG BLOCK LOT TRACT Additional Description Dimensions	TAX YEAR 2013   G35   192   O14.00   O01     HARDEMAN   JUR   CONTROL MAP   GROUP   PARCEL   PI   S/I     City   Map   192   Updated   10/02/2012     SSD1   Dist   G5   Printed   10/15/2012     SSD2   Card: 6 of 6   Card: 6 of 6
Daite Book Page Price Adj: Price V/I 10/27/1977 Y6 78 03/13/1975 V6 392 01/03/1900 D6 96	Instr A/R Owner CARD 2: THIS BLDG CARD 2: CORRECT CARD 3: MILL BLDG CARD 4: SHOP	Calculated Acres 20 Page: 12 of 12  NOTES  HAS SEVERE ACID PROBLEM WHICH REQUIRES CONSTANT ION & DETERIORATES BLDG
	CARD 5: WHSE #2 CARD 6: MILL BLDO	. 1



TEXT 

TEXT\_PARCEL

LEADERLINES

PARCELS





of Shelby County, Tennessee, under Cape No. C-8300, Grantor, and

THE GURLEY COMPANIES, L.P., a Tennessee limited partnership, Grantee.

WITNESSETH: That for and in consideration of Ten Dollars (\$10.00) cash in hand paid, and other good and valuable consideration, the receipt of all of which is hereby acknowledged; the Grantor and Trustee of the aforesaid estate does hereby bargain, quitclaim, convey, and confirm unto the said The Gurley Companies, L.P., its successors and assigns, the following described real estate, situated and being in the County of <a href="https://handle.ps...handl

WITNESS the signature of the said party of the first part the day and year first above written.

ÓŠÍ.

ESTATE OF BETTY J. GURLEY, Deceased

Cheryl Jane Followell, Juste Cheryl Jane Followell, Trustee of the Residual Marital Trust under the Last Will and Testament of Betty J. Gurley, recorded in Will Book 354, pages 353 through 373, Probate Court of Shelby County, Tennessee, under Cause No. C-8300

STATE OF TENNESSEE, COUNTY OF SHELBY

Before me, a notary public of the state and county aforesaid, personally appeared CHERYL JANE FOLLOWELL (a.k.a. Cheryl Followell), Trustee with full powers, with whom I am personally acquainted (or proved to me on the basis of satisfactory evidence), and who, upon oath, acknowledged herself to be the Trustee of the Residual Marital Trust under the Last Will and Testament of Betty J. Gurley, recorded in Will Book 354, pages 353 through 373, Probate Court of Shelby County, Tennessee, under Cause No. C-8300, the within named bargainor, and that she as such Trustee executed and delivered the foregoing instrument for the purpose therein contained, by signing her pages 353.

WITNESS my hand and seal, this 25 day of

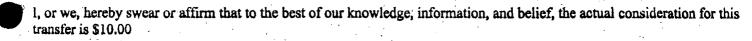
Notary Public

My-Commission Expires: Oct. 30, 2006

Tennessee 38425

Mail Tax Notice to:

7125 Riverda Bend Road, Memphis, Tennessee 3812



Cheryl Jane Followell, Trustle
Affiant Subscribed and sworn to before me this the 55 day of OC

Notary Public

My Commission Expires: Oct. 30, 2006

FIGHMAN COUNTY ALLEL

PL 14.00 000 + 001

OMM RES.

FORMS.

Tract # 1 is bounded on the north by J. N. Cox; south by Barkley; east by C. L. Glover and west by GMO Railroad.

Tract # 2 is bounded on the north by J. N. Cox; south by Barkley; east by Hersey Place and west by R. M. Rogers.

Tract # 3 is bounded on the north by Tracts 1 and 2 described above; on the west by GMC Railroad; east by Thornton and the south being the dividing line between the States of Tennessee and Mississippi; it being the intention to convey only that part of Tract # 3 lying north of the Mississippi line that belonged to Norman Roberson and wife Ruth R. Roberson.

The property described herein is the same property conveyed to the B. J. Gurley by Quitclaim in Deed Book Q-12, Page 403, in the Register's Office of Hardeman County, Tennessee from William M. Gurley and Betty Gurley dated April 28th, 1989.

Lily D. Barnes, Remister Hardeman County

Rec #: 42082
Rec'd: 15.00 Instrument #: 67291
State: 0.00 Recorded
Clerk: 0.00 11/8/2005 at 9:55 AM
EDP: 2.00 in Deed Book
Total: 17.00 Ps 331-333

### Standard Tank Sizes

### Horizontal/Aboveground/Single Wall/U.L.

<b>CAPACITY</b> (gals)	<b>DIMENSIONS</b> (dia x length)	GAUGE	APPROX WT (lbs)
150	30" x 4'-0"	12 ga shell and heads	190
300	38" x 5'-0"	12 ga shell and heads	242
550	48" x 6'-0"	12 ga shell and heads	480
1,100	48" x 12'-0"	10 ga shell and heads	940
1,000	64" x 6'-0"	10 ga shell and heads	875
1,500	64" x 9'-0"	7 ga shell and heads	1590
2,000	64" x 12'-0"	7 ga shell and heads	1980
2,500	64" x 15'-0"	7 ga shell and heads	2373
3,000	64" x 18'-0"	7 ga shell and heads	2765
4,000	· 64" x 24'-0"	7 ga shell and heads	3560
5,000	96" x 13'-4"	1/4" shell and heads	5170
6,000	96" x 16'-0"	1/4" shell and heads	5370
8,000	96" x 21'-4"	1/4" shell and heads	6685
10,000	96" x 27'-0"	1/4" shell and heads	8360
12,000	96" x 32'-0"	1/4" shell and heads	9830 .
15,000	126" x 23'-2"	1/4" shell and heads	10250
20,000	126" x 31'-0"	1/4" shell and heads	12315
30,000	126" x 46'-6"	1/4" shell and heads	18900
Other tank siz	es are available, ca	all for details	The state of the s

Chart from: <a href="http://southerntank.net/standard-sizes-horizontal.htm">http://southerntank.net/standard-sizes-horizontal.htm</a>



1683 N. Shenby Oaks Drive, Suite 1 Memphis, TN 38134

Phone: 901-381-5225 Fax: 901-381-5224 www.semsinc.net

October 2, 2012

N 35 04 20.99 W 88 53 25.60

Mr. Clint Durgin TDEC Division of Water Supply 6th Floor, L&C Tower 401 Church Street Nashville, TN 37243 35 04 45 41 38 52 T6 03 35 03 56 61 38 53 55 24

# REQUEST FOR WATER WELL SURVEY MIDDLETON QUADRANGLE

Moulton Co. 220 Hwy. 125 South Middleton, Tennessee TDEC Facility #8-350104

Dear Mr. Durgin:

SEMS, Inc. (SEMS) is requesting a water well survey for the above-referenced site. The site is located on the MIDDLETON, TN quadrangle map. Enclosed is a check for \$25.00. Could we also have the electronic data sent to jhall@semsinc.net.

Should you require additional information, please contact me at (901) 381-5225.

Sincerely, **SEMS**, Inc.



Luke Hall, P.G. #5698 Geologist

QUAD / NTH COUNTY	WELL NUM REG NUM	OWNER'S NAME LOCATION ROAD	COMP DATE	TOT DEPTH AQ DEPTH	TOT YIELD STAT LEVEL	CSE DEPTH CSE TYPE	WELL	FINISH	WAT QUAL INSP NUMBER	LATITUDE LONGITUDE	A/C LOG	DRILLER USE
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0440SW 6 HARDEMAN	06900387	PULSE F	08/13/1967	285 235	50 180	285 Plastic		- ,	Good	350346 885451 X	S No	367 Other
04 V 6 HARDEMAN	06900474	CITY OF MIDDLETON	02/02/1969	253 201	488 42		201	- 253	Good	350305 885326 X	S No	30 Municipal
0440SW 6 HARDEMAN	06900578	DAVIS D	06/11/1970	144 125	125	140 Plastic	140	- 144	Good	350320 885308	S No	52 Residential
0440SW 6 HARDEMAN	06900581	LUTRELL C	06/16/1970	159 140	120	155 Plastic	155	- 159	Good	350235 X 885235	S No	52
0440SW 6 HARDEMAN	06900583	ROGERS B	06/12/1970	148 130	130	144 Plastic	144	- 148	Good	350232 885306	S No	52 Residential
0440SW 6	06900588	YAPP R	07/14/1970	260 236	100	255 Plastic	255	- 260	Good	350408 885404	S No	52 Residential
0440SW 6 HARDEMAN	06900596	COLE O	08/25/1970	150 140		146 Plastic	146	- 150	Good	350240 X 885235	S No	52 Residential
04 V 6 HARDEMAN	06900716	BLACK C	06/23/1971	155 140	25	151 Plastic	151	- 155	Good	350331 885345	S No	52 Residential
0440SW 6 HARDEMAN	06900765	YEPP J	04/18/1972	204 165	30	196 Plastic	196	- 204	Good	350352 885418 X	S No	52 Residential
0440SW 6 HARDEMAN	06900772	SIMS J	06/08/1972	160 30	40	156 Plastic	156	- 160	Good	350236 885246	S No	52 Residential
0440SW 6 HARDEMAN	06900807	PULSE F C	11/24/1972	282 270		274 Plastic	274	- 282	Good	350346 X 885451	S No	52 Residential
0440SW 6 HARDEMAN	06900823	NORTON E	10/26/1972	223 182	40	213 Plastic	213	- 223	Good	350454 885352	S No	.52

QUAD / NTH COUNTY	WELL NUM REG NUM	OWNER'S NAME LOCATION ROAD	COMP DATE	TOT DEPTH AQ DEPTH	TOT YIELD STAT LEVEL	CSE DEPTH CSE TYPE	WELL F	_	WAT QUAL INSP NUMBER	LATITUDE LONGITUDE	A/C LOG	DRILLER USE
0440SW 6 HARDEMAN	06900844	TOMLINSON B.	08/10/1973	347 280	100	337 Plastic	337 -	- 347	Good	350339 885458	S No	52 Residential
0440SW 6 HARDEMAN	06900921	BELL B.C.	06/18/1973	158 135	60	150 Plastic	150 -	- 158		350239 885243	S No	52 Residential
04 V 6 HARDEMAN	06900951	DAVIS D.	06/05/1974	148 144		144 Plastic	144 -	· 148	Good	350315 880315	S No	52 Residential
0440SW 6 HARDEMAN	06900983	O'DANIEL J.M.	07/10/1974	177 145	50	167 Plastic	167 -	. 177	Good	350321 885353	S No	52 Residential
0440SW 6 HARDEMAN	06901006	DAVIS R.	09/30/1974	179 146		171 Plastic	171 -	· 179	Good	350327 885351	S No	52 Residential
0440SW 6 HARDEMAN	06901048	PATTERSON R.		214 188	80	200 Plastic			Unknown	350232 885425	s No	119 Residential
0440SW 6 HARDEMAN	06901072	GRONES C.A.	08/19/1975	168 146	45	158 Plastic	158 -	168	Good		No	52 Residential
0440SW 6 HARDEMAN	06901132	MORLEY E.	08/30/1976	128 35	60	115 Plastic	11,5 -	128	Good	350309 885250	S No	52 Residential
04 V 6 HARDEMAN	06901136	DAVIS C.	05/21/1976	133		123 Plastic	123 -	133	Good	350308 885250 X	S No	52 Residential
0440SW 6 HARDEMAN	06901253	WHITT, ARNOLD	05/11/1978	117 150	10 50	167 Plastic	167 -	. 177	Good	350416 885242 X	S No	52 Residential
0440SW 6 HARDEMAN	06901398	WITTA	06/27/1979	165 60	58	155 Plastic	155 -	165	Good	350416 885236	S No	52 Residential
0440SW 6 HARDEMAN	06901526	STEWART D	02/25/1981	245 225	80	235 Plastic	235 -	245	Unknown	350517 885340 X	S No	570 Residential
0440SW 6 HARDEMAN	06901558	LANE B.	08/10/1981	215	100	Plastic			Unknown	350447 885327	S No-	119 Residential

QUAD / NTH COUNTY	WELL NUM REG NUM	OWNER'S NAME LOCATION ROAD	COMP DATE	TOT DEPTH AQ DEPTH	TOT YIELD STAT LEVEL	CSE DEPTH	WELL FINISH INTERVAL	WAT QUAL INSP NUMBER	LATITUDE LONGITUDE	A/C LOG	DRILLER USE
0440SW 6 HARDEMAN	06901634	STREET TONY B.	09/17/1982	79	9 60	Plastic	69 - 79	Good	350340 885459 X	S No	119 Residential
0440SW 6 HARDEMAN	06901710	NORWOOD, FEY MOCKINGBIRD DR	10/27/1983 10/18/1984	220 180	90	210 Plastic	Slotted 210 - 220	Good	350421 885425	S No	570 Residential
04 V 6 HARDEMAN	06901788	LUTTRELL, BILLY MOCKINGBIRD	02/14/1984 09/04/1986	292 190	10 90	282 Plastic	Slotted 282 - 292	Good	350417 885413	S No	570 Residential
0440SW 6 HARDEMAN	06901806	RUSSELL, ROBERT	06/07/1985	195	50	185 Plastic	Screen 185 - 199	Good .	350230 X	No	52 Residential
0440SW 6 HARDEMAN	06901860	HODGE, LARRY PULSE	03/05/1986	136 95	10 60	126 Plastic	Screen 126 - 136	Good	350230 X 885230	No	570 Residential
0440SW 6 HARDEMAN	06901861	HODGE, SHIELA PULSE	03/10/1986	135 95	10 60	125 Plastic	Screen 125 - 135	Good	350230 885230 X	No	570 Residential
0440SW 6 HARDEMAN	06901980	SWEET, Q R	03/14/1988	192 160	10 80	182 Plastic	Screen 182 - 192	Good	350230 X	No	570 Residential
0440SW 6 HARDEMAN	06902015	ZACHARY, T W REDBIRD LANE	04/27/1988	265	10 95	155 Plastic	Screen 155 - 169	Good	350230 885230 X	No	565 Residential
04 V 6 HARDEMAN	06902023	DICKERSON, JOSEPH	08/03/1988	320 180	10 100	310 Plastic	Screen 310 - 320	Good	350230 885230	No	570 Residential
0440SW 6 HARDEMAN	06902031	ZACHARY, T W RED BAND LANE	04/27/1988	250	10 95	240 Plastic	Screen 240 - 250	Good	350230 885230	No	565 Residential
0440SW 6 HARDEMAN	06902075	BUMPAS, LUTHER	06/26/1989	175 140	10 70	165 Plastic	Screen 165 - 175	Good	350230 885230 X	No	570 Residential
0440SW 6 HARDEMAN	06902082	FIRST UNITED PE HWY 57	05/04/1989	156 130	10 85	146 Plastic	Screen 146 - 156	Good	350230 885230	No	570 Residential
0440SW 6 HARDEMAN	20005600 D0048342	GRAVITT, LUCILLE MOCKINGBIRD RD	09/06/2000	275	85	255 Plastic	Screen 255 - 275	Clear		Yes	570 Residential

QUAD / NTH COUNTY	WELL NUM REG NUM	OWNER'S NAME LOCATION ROAD	COMP DATE	TOT DEPTH AQ DEPTH	TOT YIELD STAT LEVEL	CSE DEPTH CSE TYPE	WELL FINISH INTERVAL	WAT QUAL INSP NUMBER	LATITUDE LONGITUDE	A/C LOG	DRILLER USE
0440SW 6 HARDEMAN	20010175 D0046225	HOWELL, TERRY 555 MOTT RD	10/28/2000 10/09/2001	250	90	230 Plastic	Screen 230 - 250	Clear 0 040423	350256 885358	F Yes	570 Residential
0440SW 6 HARDEMAN	20010795 D0051626	ROBINSON, CECIL PULSE RD	12/06/2000 10/09/2001	160	105	150 Plastic	Screen 150 - 160	Clear 0 040420	350230 885241	F Yes	570 Residential
04 V 6 HARDEMAN	20013023 D0051736	WATKINS, JERRY MOTT RD	04/26/2001 10/09/2001	250	95	230	Screen 230 - 250	Clear 0 040424	350249 885354	F Yes	570 Residential
0440SW 6 HARDEMAN	20013271 D0051459	LANIER, MAY RED BIRD LN	06/06/2001 01/24/2002	245	12 80	225 Plastic	Screen 225 - 24	Clear 5 040593	350436 885410	F Yes	703 Residential
0440SW 6 HARDEMAN	20014273 D0054140	DAWKINS, JEREMY BISHOP RD	09/14/2001	210	105	200 Plastic	Screen 200 - 210	Clear		Yes	570 Residential
0440SW 6 HARDEMAN	20022826 D0056496	ENGLAND, CONNIE HWY 57	08/10/2002	300	12 150	280 Plastic	Screen 280 - 300	Clear		Yes	703 Residential
0440SW 6 HARDEMAN	20030061 D0059832	PULSE, LANCE 16285 HWY 57	12/03/2002	330	170	310 Plastic	Screen 310 - 330	Clear		Yes	570 Residential
0440SW 6 HARDEMAN	20030062 D0059833	KENNEDY, DAVID 16165 HWY 57	12/03/2002	76	52	Plastic	Screen 66 - 76	Clear		Yes	570 Residential
04 V 6 HARDEMAN	20031942 D0062334	LAMBERT, HENRY 105 BUSTER KING RD	06/30/2003	170	57	170 Plastic	Screen 170 - 160	Clear	<del></del> ,	Yes	119 Residential
0440SW 6 HARDEMAN	20043017 D0068358	RAMSEY, JIM 95 KIRK RD.	08/14/2004	155	80	145 Plastic	Screen 145 - 155	Clear		Yes	570 Residential
0440SW 6 HARDEMAN	20043054 D0068319	RAMSEY, J. M. 95 KIRK RD.	07/13/2004	180	80	170 Plastic	Screen 170 - 180	Clear		Yes	570 Residential
0440SW 6 HARDEMAN	20050440 D0067528	MCCOUGHLIN, PHILLIP 300 SASSER RD.	11/04/2004 12/15/2005	200		200 Plastic	200 - 190	Clear 0 046115	350232 885422	F Yes	119 Residential
0440SW 6 HARDEMAN	20064127 D0078209	DICKERSON, JOHN 3980 BISHOP RD	09/19/2006	232	87	222 Plastic	Screen 22 - 232	Clear		Yes	570 Residential

#### TENNESSEE DEPARTMENT OF ENVIRONMENT AND CONSERVATION - DIVISION OF WATER SUPPLY

#### RECORDS OF WATER WELLS ON THE MIDDLETON QUADRANGLE 0440SW TN

QUAD / NTH	WELL NUM	OWNER'S NAME LOCATION ROAD	COMP DATE	TOT DEPTH AQ DEPTH	TOT YIELD STAT LEVEL	CSE DEPTH	WELL FINISH INTERVAL	WAT QUAL INSP NUMBER	LATITUDE LONGITUDE	A/C LOG	DRILLER USE
0440SW 6 HARDEMAN	20081766 D0085926	PULSE, LANCE 16285 HWY 57	05/23/2008	295	120	275 Plastic	Screen 275 - 295	Clear		Yes	570 Residential
0440SW 6 HARDEMAN	20083346 D0086959	MCKEE, B.W. 985 SASSAR	09/15/2008	180	12 . 80	170 Plastic	Screen 165 - 175	Clear		Yes	565 Residential
04 V 6 HARDEMAN	20100373 D0091411	SIMPSON, GERALD 755 SASSER-ROAD	02/25/2010	205	12 66	195 Plastic	Screen 195 - 205	Clear		Yes	119 Residential
0440SW 6 HARDEMAN	20110107 D0093098	COLLINS, KENNETH 1630 HORTON ROAD	12/22/2010	240	12 70	230 Plastic	Screen 230 - 240	Clear		Yes	565 Residential
0440SW 6 HARDEMAN	20120366 GEO2244	HIGH SCHOOL 138 FLORIDA AVE	03/01/2012	260			-			Yes	894
0440SW 6 HARDEMAN	90002224	SASSER, JOHN SASSON	05/30/1990	242 140	0 9	232 Plastic	Screen 232 - 242	Good		No	570 Residential
0440SW 6 HARDEMAN	90003022	MORRIS HOMES SASSER RD	09/26/1990	170	10 80	160 Plastic	Screen 160 - 170	Good		No	565 Residential
0440SW 6 HARDEMAN	90003285	YORK JR, JAMES E DAVIS	09/04/1990	150 120	10 80	140 Plastic	Screen 140 - 150	Good		No	570 Residential
04 V 6 HARDEMAN	91000275	MILLS, GERALD WILLOW	12/14/1990	175 155	85	165 Plastic	Screen 165 - 175	Good		No	570 Residential
0440SW 6 HARDEMAN	91001099	WALDON, BILL PULSE RD	05/18/1990	120	80	120 Plastic	Screen 110 - 120	Good		No	119 Residential
0440SW 6 HARDEMAN	92002155	SULLIVAN, JEAN OLD EVAN RD	10/31/1991	280	100	270 Plastic	Screen 270 - 280	Good		No	119 Residential
0440SW 6 HARDEMAN	93000827	HICKS, GENE RHODES RD	08/11/1992	220	- 78	210 Plastic	Screen 210 - 220	Good		No	119 Residential
0440SW 6 HARDEMAN	94000139	JAMES, JERRY PALSE DR	03/24/1993 06/02/1994	200	60	60 Plastic	Screen - 200	Good 012221	350316 885325	F No	119 Residential

#### TENNESSEE DEPARTMENT OF ENVIRONMENT AND CONSERVATION - DIVISION OF WATER SUPPLY

#### RECORDS OF WATER WELLS ON THE MIDDLETON QUADRANGLE 0440SW TN

QUAD / NTH COUNTY	WELL NUM REG NUM	OWNER'S NAME LOCATION ROAD	COMP DATE	TOT DEPTH AQ DEPTH	TOT YIELD STAT LEVEL	CSE DEPTH	WELL FINISH	WAT QUAL INSP NUMBER	LATITUDE LONGITUDE	A/C LOG	DRILLER USE
0440SW 6	94002297	SPIGHT, JOHN	06/28/1994	240	18	230	Screen	Good	350347	F	565
HARDEMAN	D0004025	OLD ENAR	09/15/1994		85	Plastic	230 - 24	0 012456	885444	No	Residential
0440SW 6	94002589	WYNN, DAVID	07/13/1994	295	10	285	Screen	Fair	350423	F	570
HARDEMAN	D0004247	NORTON RD 1360	09/15/1994	220	80	Plastic	285 - 29	5 012455	885433	No	Residential
04 6	95002804	NORTON, JUNIOR	06/08/1995	125	10	115	Screen	Good	350415	F	570
HARDEMAN	D0012374	BUSTER KING 315	12/06/1995	100	30	Plastic	115 - 12	5 015682	885231	No	Residential
0440SW 6	95004724	KELLER, JOHN	09/04/1995	250	10	240	240 - 25	Good	350249	F	570
HARDEMAN	D0015329	SASSER	12/06/1995	220	100	Plastic		0 015687	885436	No	Residential
0440SW 6	95004962	DOYLE, WILLIAM	10/17/1995	147	10	137	Screen	Good	350326	F	570
HARDEMAN	D0015354	ALEE LN 140	02/08/1996	120	50	Plastic	137 - 14	7 011768	885256	No	Residential
0440SW 6	95005743	TACKER, CHRIS	11/24/1995	240	18	230	Screen	Good	350249	F	570
HARDEMAN	D0015386	SASSER RD	12/06/1995	200	80	Plastic	230 - 24	0 015686	885450 X	No	Residential
0440SW 6	96001824	ED ANTHONY CONSTRUCT	05/09/1996	155	10	145	Screen	Good	350315	F	703
HARDEMAN	D0019106	CORDOVA AVE	07/17/1996		60	Plastic	145 - 15	5 017143	885328 X	No	Residential
0440SW 6 HARDEMAN	96002409 D0019113	LAMBERT, J S BUSTER 190	06/06/1996 07/17/1996	160	10 90	150 Plastic	Screen - 16	Good 0 017144	350414 885244	F No	703 Residential
04 V 6	96003636	YOPP, JEROME	08/08/1996	162	25	152	Screen	Good	350234	F	570
HARDEMAN	D0021078	TOWE RD	10/29/1996	120	55	Plastic	152 - 16	2 017576	885302 X	No	Residential
0440SW 6 HARDEMAN	98001319 D0024479	STEWART, BOB PLUS RD KIRK	04/01/1998	140	60	140 Plastic	Screen 130 - 14	Fair O		No	119 Residential
0440SW 6	98002366	NEAL, MARK	06/18/1998	205	10	195	Screen	Good	350303	F	570
HARDEMAN	D0035076	SASSER RD	08/25/1998	180	70	Plastic	195 - 20	5 021734	885417	No	Residential



ASTs



View of Site from 125 South

#### **Geina Skinner**

Yvette Murphy <ymurphy@semsinc.net> From:

Friday, October 05, 2012 11:54 AM Sent:

Cindy Greene; Geina Skinner; Susan Watts; Jerry Loftin To: Cc:

Ronda Johnson; Shirley A. Russell; rpaulson@semsinc.net

SEMS Memphis field notice 10-08-12 Subject:

**Attachments:** 10-08-12 SEMS-Memphis.xlsx

Attached is the field work notification for SEMS-Memphis for the week of 10-08-12.

Have a nice weekend.

**Yvette Murphy** SEMS, Inc. 1683 N. Shelby Oaks Drive Suite 1 Memphis, TN 38134 901-381-5225



#### DEPARTMENT OF ENVIRONMENT AND CONSERVATION

Division of Underground Storage Tanks 401 Church Street, 4th Floor, L & C Tower Nashville, Tennessee 37243

September 6, 2012

Mr. Roger Paulson SEMS, Inc. 1683 Shelby Oaks Drive, Suite 1 Memphis, Tennessee 38134

Re:

Notice to Proceed (NTP) #12-09-02, Abandoned Facility Project and Report

Jackson Region (Region 7/8) Facility ID # (See attached list)

Dear Mr. Paulson:

The Tennessee Department of Environment and Conservation - Division of Underground Storage Tanks requires SEMS, Inc. to conduct the task listed below as a part of the Abandoned Facilities Project (AFP) and Reporting (AFR) for the facilities listed in the attached spreadsheet.

## <u>Task 1</u> **Abandoned Facilities Project**

Subtask (see tasks listed below)

SEMS shall complete an Abandoned Facility Report (AFR) in accordance with the provided AFR Guidelines and Cost provided for each facility listed in the attached spreadsheet. An AFR shall be submitted for each facility and the Decision Matrix – Excel® spreadsheet with all facilities combined in one (1) workbook and submitted by October 19, 2012.

As previously discussed the cost associated with each facility shall be limited to the following cost:

3.1.a	AFP Initial Project Setup	\$ 335.00
3.1.b	AFP Site Reconnaissance	\$ 380.00
3.5.b	AFP Water Use Survey	\$ 350.00
	AF Report	\$ 1,060.00
3.4.a	Groundwater Sampling (\$125/1 <sup>st</sup> well & \$75 for each add'1 well)	(site dependent)
3.4.e	AFP Laboratory Services (\$90 per sample)	(site dependent)
Travel	Time and Cost for applicable Tasks	(site dependent)

As noted in the AFR, the file review at the Environmental Field Office shall coincide with the meeting with the EFOM or said designated representative. Additionally, tax records for multiple sites within the same county shall be obtained during one (1) visit to the applicable county office.

SEMS shall submit a hard copy of the AFR for each site as well as an electronic copy of the Excel® document labeled Decision Matrix to Geina Skinner by October 19, 2012.

Please note that if a facility location cannot be determined by any information in either the central office files, field office files, or by questioning the EFOM, then this should be included in the Matrix Decision spreadsheet with a comment stating such. An AFR shall not be completed and the only task allowed for reimbursement for these sites is 3.1.a AFP Initial Project Setup.

The Division must be notified the Friday before any field work activity (all field work activity notifications shall be submitted each Friday by 12:00 PM CST for the following week). Please provide field activity notification to the case manager, Geina Skinner, Cindy Greene, Corrective Action Program Manager and the Jackson Environmental Field Office Manager, Ronda Johnson. Please note that SEMS is also responsible for notifying the property owner(s) and/or tenants prior to any field activity, which should be at least three (3) days prior to scheduled field activities.

If you have any questions, please contact me at (615) 532-0981.

Sincerely,

Geina Skinner

Technical Section

Division of Underground Storage Tanks

cc: JEFO – Ronda Johnson (e-copy only)

	Facility ID	Facility Name	Facility Address 1	Facility City	Tank ID	Tank Capacity	Substance
1	7030030	Pafford's	175 Forrest Ave.	Camden	1	8000	Gasoline
	7030035	Old Depot Groc.	193 Natchez Trace Rd.	Camden	1	500	Gasoline
2	7030035	Old Depot Groc.	193 Natchez Trace Rd.	Camden	2	1000	Gasoline
	7030035	Old Depot Groc.	193 Natchez Trace Rd.	Camden	3	500	Kerosene
	7090009	Bogle Motors	Box 410	Bruceton	1	1000	Gasoline
1	7090009	Bogle Motors	Box 410	Bruceton	2	1000	Gasoline
3	7090009	Bogle Motors	Box 410	Bruceton	3	1000	Gasoline
	7090009	Bogle Motors	Box 410	Bruceton	4	550	Gasoline
	7090009	Bogle Motors	Box 410	Bruceton	5	550	Gasoline
,	7090028	Harris	148 North Main	Mc Kenzie	1	550	Gasoline
4	7090028	Harris	148 North Main	Mc Kenzie	2	1000	Gasoline
	7090028	Harris	148 North Main	Mc Kenzie	3	1000	Gasoline
	7090033	Houston	Elm St.	Mc Kenzie	1	10000	Gasoline
5	7090033	Houston	Elm St.	Mc Kenzie	2	10000	Gasoline
	7090033	Houston	Elm St.	Mc Kenzie	3	2000	Kerosene
6	7090062	Westport Grocery	Westport Rd.	Westport	1	1000	Gasoline
	7090062	Westport Grocery	Westport Rd.	Westport	. 2	550	Gasoline
7	7090066	Sue's Market	Austin Peay Hwy.	Atwood	1	8000	Gasoline
	7090066	Sue's Market	Austin Peay Hwy.	Atwood	2	8000	Gasoline
8	7090078	Traywick	Hwy. 79 East	Trezevant	1	500	Gasoline
	7090078	Traywick	Hwy. 79 East	Trezevant	. 2	550	Other
	7090082	Walker's	30520 BRd. St.	Bruceton	1	3000	Gasoline
9	7090082	Walker's	30520 BRd. St.	Bruceton	2	3000	Gasoline
	7090082	Walker's	30520 BRd. St.	Bruceton	3	3000	Gasoline
10	7170007	Crockett Co. Junior H.s.	Conley Rd.	Alamo	1	6000	Gasoline
11	7230036	Dover Corp Holmes Div	Hwy. 77	Dyersburg	2	2560	Mixture

							<u>:                                      </u>
	Facility II	Pacility Name	Facility Address 1	Facility City	Tank ID	Tank Capacity	Substance
	7230069	Gulf N	3168 Hwy. 51	Dyersburg	1	3000	Gasoline
1	7230069	Gulf N	3168 Hwy. 51	Dyersburg	2	3000	Gasoline
	7230069	Gulf N	3168 Hwy. 51	Dyersburg	3	3000	Gasoline
	7230069	Gulf N	3168 Hwy. 51	Dyersburg	4	3000	Diesel
13	7230103	Mcneer Grocery	Hwy. 20	Dyersburg	1	1000	Gasoline
"	7230103	Mcneer Grocery	Hwy. 20	Dyersburg	2	560	Gasoline
14	7230217	Four Seasons	1625 Sylvan Rd.	Dyersburg	1	120	Diesel
15	7270008	Baker Gas And Grocery	1010 High St.	Trenton	3	1000	Gasoline
16	7270045	Dycus Grocery	Giibson Rd.	Humboldt	3	550	Kerosene
	7270098	Northside Quick Stop	77 Trezcant Hwy.	Bradford	1	10000	Gasoline
17	7270098	Northside Quick Stop	77 Trezcant Hwy.	Bradford	2	10000	Gasoline
	7270098	Northside Quick Stop	77 Trezcant Hwy.	Bradford	3	2000	Diesel
18	7400046	Hills	Hwy. 69 South	Paris	1	550	Gasoline
10	7400046	Hills	Hwy. 69 South	Paris	- 2	550	Gasoline
						, ,,,	
19	7400098	Tecumseh Prod Inc	2700 West Wood St.	Paris	1	1300	Other
20	7400106	W. L. Wilson	1121 Mineral Wells	Paris	1	550	Gasoline
	7400106	W. L. Wilson	1121 Mineral Wells	Paris	2	550	Gasoline
21	7480015	Gratio Grocery	Rt.1	Ridgely	. 1	1100	Gasoline
	7480015	Gratio Grocery	Rt.1	Ridgely	2	520	Gasoline
22	7480032	Reelfoot Alfalfa Mill	Hwy. 78 South	Tiptonville	1	1000	Gasoline
	7480032	Reelfoot Alfalfa Mill	Hwy. 78 South	Tiptonville	2	1000	Gasoline
23	7480041	Vaughn Farms Inc(slabfield Farm)	1414 Church St.	Tiptonville	1	3000	Diesel
	7660011	Blue Bird Quick Stop	R R 4 Ken-tenn Hwy.	Union City	1	2000	Not Listed
24	7660011	Blue Bird Quick Stop	R R 4 Ken-tenn Hwy.	Union City	2.	2000	Not Listed
	7660011	Blue Bird Quick Stop	R R 4 Ken-tenn Hwy.	Union City	3	1000	Not Listed
3.5	7660044	Hayes In-n-out		Samburg	1	1000	Gasoline
25	7660044	Hayes In-n-out		Samburg	2	1000	Gasoline
25	7660045	Hayes Superette		Samburg	1	999999	Gasoline
26		Hayes Superette	<del> </del>	Samburg	2	999999	Gasoline
	7660061	Lee's Corner	······································	Samburg	1	4000	Gasoline
27	7660061	Lee's Corner	<del> </del>	Samburg	2	4000	Gasoline
			<u> </u>		<u>-</u> L		7230,1110

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	Facility ID	Facility Name	Facility Address 1	Facility City	Tank ID	Tank Capacity	Substance
	7660116	Dunn And Faulkner Auto Sales	202 East Jackson St.	Union City	1	12000	Not Listed
28	7660116	Dunn And Faulkner: Auto Sales	202 East Jackson St.	Union City	2	8000	Not Listed
1	7660116	Dunn And Faulkner Auto Sales	202 East Jackson St.	Union City	3	5000	Not Listed
29	7920024	Goodyear Tire and Rubber Co.	P.O. Box 49	Martin	1	500	Used Oil
	8200038	Oscar Gibson And Co.	Hwy. 69	Parsons	2	500	Gasoline
30	8200038	Oscar Gibson And Co.	Hwy. 69	Parsons	3	1000	Gasoline
	8200038	Oscar Gibson And Co.	Hwy. 69	Parsons	4	1000	Gasoline
	8200047	Super Serv	Hwy. 20 And 69	Parsons	1	2000	Gasoline
31	8200047	Super Serv	Hwy. 20 And 69	Parsons	2	2000	Gasoline
	8200047	Super Serv	Hwy. 20 And 69	Parsons	3	2000	Gasoline
	8200058	Readey's Grocery	219 West Main St.	Parsons	1	2000	Gasoline
32	8200058	Readey's Grocery	219 West Main St.	Parsons	3	1000	Gasoline
	8200058	Readey's Grocery	219 West Main St.	Parsons	4	1000	Gasoline
	8350020	D H Grocery	Hwy. 125	Bolivar	1	2000	Gasoline
33	8350020	D H Grocery	Hwy. 125	Bolivar	2	1000	Gasoline
ľ	8350020	D H Grocery	Hwy. 125	Bolivar	3	500	Gasoline
24	8350074	Redfearn Grocery	Main St.	Saulsbury	1	1000	Gasoline
34	8350074	Redfearn Grocery	Main St.	Saulsbury	2	1000	Gasoline
35	8350098	Whitehurst Exxon	Rt. 1	Hornsby	2	550	Gasoline
36	8350104	Moltan Co	Hwy. 125 South	Middleton	1	200	Other
٠.,	8350108	Yopp's Pit Stop	P O Box 217	Middleton	1	8000	Gasoline
37	8350108	Yopp's Pit Stop	P O Box 217	Middleton	2	4000	Gasoline
	8350108	Yopp's Pit Stop	P O Box 217	Middleton	3	4000	Gasoline
	8360078	Willis Exxon	Rt. 1 Box 10 A	Saltillo	1	2000	Gasoline
38	8360078	Willis Exxon	Rt. 1 Box 10 A	Saltillo	-2	2000	Gasoline
	8360078	Willis Exxon	Rt. 1 Box 10 A	Saltillo	3	1000	Gasoline
39	8360089	64 Fast Stop	Wayne Rd.	Savannah	1	999999	Gasoline
	8360134	Tenn Tuckey One Stop	Hwy. 128 South	Savannah	1	2000	Gasoline
	8360134	Tenn Tuckey One Stop	Hwy. 128 South	Savannah	2	2000	Gasoline
39	8360134	Tenn Tuckey One Stop	Hwy. 128 South	Savannah	3 ·	1000	Gasoline
	8360134	Tenn Tuckey One Stop	Hwy. 128 South	Savannah	4	8000	Gasoline
	8360134	Tenn Tuckey One Stop	Hwy. 128 South	Savannah	5	6000	Gasoline
ļ,	8360134	Tenn Tuckey One Stop	Hwy: 128 South	Savannah	6	2000	Diesel
40	8380007	Crawfords Store	Hwy. 76 And Hwy. 179	Stanton	1	560	Gasoline
40	8380007	Crawfords Store	Hwy. 76 And Hwy. 179	Stanton	2	560	Gasoline
41	8390002	A And W Construction Co	196 Church St.	Lexington	1	2000	Diesel
41	8390002	A And W Construction Co	196 Church St.	Lexington	2	2000	Gasoline
42	8390016	Dale Rogers	100 Hwy.	Scotts Hill	. 1	1000	Gasoline
43	8390019	Derryberry Feeder Pig	Hwy. 20 East	Zip Code Unknown	1	4000	Gasoline
44		Hayes Grocery	Sardis Rd.	Lexington	1	500	Gasoline
45	8390044	Lexington Food Mill	287 South Main	Lexington	1	8000	Diesel
46	8390045	Lexington Feed Mill	287 Main St.	Lexington	1	500	Gasoline

	Facility ID	Facility Name	Facility Address 1	Facility City	Tank ID	Tank Capacity	Substance
	8390069	Pauline Anderson Store	Hwy. 412 West	Lexington	1	1000	Gasoline
47	8390069	Pauline Anderson Store	Hwy. 412 West	Lexington	2	1000	Gasoline
40	8390088	Stanfill Liquid Fertilizer Co	Hwy. 22 South	Lexington	1	1000	Diesel
48	8390088	Stanfill Liquid Fertilizer Co	Hwy. 22 South	Lexington	2	550	Gasoline
49	8390103	Willie Miller Store	Luray St.	Huron	1	500	Gasoline
49	8390103	Willie Miller Store	Luray St.	Huron	2	500	Gasoline
C0	8390106	Anderson Bait	Hwy. 412	Lexington	1	500	Gasoline
50	8390106	Anderson Bait	Hwy. 412	Lexington	2	500	Gasoline
54	8390136	B And L Grocery	Unknown	Sardis	1	500	Gasoline
51	8390136	B And L Grocery	Unknown	Sardis	2	500	Gasoline
52	8490013	City Of Henning	Main St.	Henning	1	1000	Gasoline
53	8490065	Pugh Farms	Double Bridges	Halls	1.	2000	Diesel
	8550080	Barnett's Grocery	Hwy. 22	Michie	1	3000	Gasoline
- 54	8550080	Barnett's Grocery	Hwy. 22	Michie	2	3000	Gasoline
	8550080	Barnett's Grocery	Hwy. 22	Michie	3	3000	Gasoline
	8550115	Stateline Shell	Hwy. 45 South	Selmer	1	8000	Gasoline
55	8550115	Stateline Shell	Hwy. 45 South	Selmer	2	6000	Gasoline
	8550115	Stateline Shell	Hwy. 45 South	Selmer	3	4000	Gasoline
56	8570140	Madison Millwork	132 Miller Dr. Po Box 2207	Jackson	1	2000	Gasoline
	8570193	McKenzie's Market	2857 Airways Blvd.	Jackson	1	1000	Gasoline
57	8570193	McKenzie's Market	2857 Airways Blvd.	Jackson	2	550	Gasoline
	8570244	Q'mart Food Store	1585 North Parkway	Jackson	1	10000	Gasoline
58	8570244	Q'mart Food Store	1585 North Parkway	Jackson	2	8000	Gasoline
	8570244	Q'mart Food Store	1585 North Parkway	Jackson	3	4000	Gasoline
	8570436	Ferrell's One Stop	Box 1990 Hwy. 70 East	Jackson	1	4000	Gasoline
<b>E</b> 0	8570436	Ferrell's One Stop	Box 1990 Hwy. 70 East	Jackson	2	4000	Gasoline
59	8570436	Ferrell's One Stop	Box 1990 Hwy. 70 East	Jackson	3	2000	Diesel
	8570436	Ferrell's One Stop	Box 1990 Hwy. 70 East	Jackson	4	2000	Gasoline
			··				

#### Alan D. Dodge

From:

Todd, Billy <br/>
<br/>billy.todd@epminerals.com>

Sent:

Monday, December 22, 2014 1:15 PM

To:

Alan D. Dodge

Cc: Subject: Humphreys, Lita UST EP Minerals

Importance:

High

\*\*\* This is an EXTERNAL email. Please exercise caution. DO NOT open attachments or click links from unknown senders or unexpected email - OIR-Security. \*\*\*

#### Mr. Alan Dodge

EP Minerals has reviewed your December 17, 2014 letter inquiring about an underground storage tank (UST) at our Middleton facility. My personal inquiry of long-time employees at the facility did not produce any recollection by anyone of any UST's being on site or ever having been on site. A review of a "Phase 1 Environmental Site Assessment" conducted in 2012 in connection with the sale of Moltan Company to EP Minerals makes a brief mention of one at Middleton:

"The EDR report listed the site as having a former 200-gallon UST. According to the TDEC Division of Underground Storage Tanks, the UST was installed in 1983 and was used for the storage of water. The UST was removed from the site in 1988."

A review of TDEC's UST on-line database reveals no mention of any UST's being registered to Moltan or EP Minerals at the Middleton facility. The only entry appears on the UST "environmental activities" spreadsheet and appears to relate to your current inquiry. I believe that any registration of this water UST was likely made in error since only UST's storing petroleum products are required to be registered.

We request that you provide us any information regarding the UST referenced in your inquiry letter if it differs from what we have described here.

#### Bill Todd

EHS Manager (Middleton Site)
Office - 1-731-376-8411 ext. 111
Cell - 1-731-518-8520



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#### **Billy Todd**

### Ep Minerals

220 Highway 125 S Middleton, TN 38052 (p) 731-376-8411 x105 | (m) 731-518-8520 | (f)

email: <u>billy.todd@epminerals.com</u> website: <u>www.epminerals.com</u>

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## TENNESSEE DEPARTMENT OF ENVIRONMENT AND CONSERVATION JACKSON ENVIRONMENTAL FIELD OFFICE 1625 HOLLYWOOD DRIVE JACKSON, TENNESSEE 38305-4316

PHONE (731) 512-1300 STATEWIDE 1-888-891-8332 FAX (731) 661-6283

December 17, 2014

CERTIFIED MAIL # 7010 2780 0002 4005 0949

Mr. Jim Loeppky Mgr. E. P. Minerals 220 Highway 125 South Middleton, TN 38052

RE:

Underground Storage Tanks

Molton Company

220 Highway 125 South

Middleton, Hardeman County, TN

Facility I.D. # 8-350104

Dear Mr. Loeppky:

The Division of Underground Storage Tanks is assigned the responsibility for underground storage tank (UST) systems at petroleum sites across the State of Tennessee. Recently, the Division performed a survey of potentially abandoned USTs where the registered tank owner has not communicated with the Division for an extended period of time, and it will be seeking to have the USTs identified in the survey permanently closed.

Based on previously submitted notification documents, an underground storage tank (UST) was registered at the above referenced site. On or about October 11, 2012, Division representatives conducted an inspection at the above referenced site but did not identify any evidence of the registered UST. In accordance with Tennessee Code Annotated (T.C.A.) § 68-215-114(a), regulated USTs shall be permanently closed in accordance with Rule 0400-18-01-.07, however, the Division has not received the required documentation of such.

The Division has also obtained information that indicates that EP Minerals is the current owner of the petroleum site, and according to the Tennessee Petroleum Underground Storage Tank Act in 68-215-103(17)(A), the petroleum site owner is a responsible party. The Division very much wishes to work cooperatively with all responsible parties identified during the survey and is offering you the

opportunity to perform the work required to properly document the permanent closure of the USTs following Rule 0400-18-01-.07.

If the USTs are still located in the ground, the Permanent Closure Application shall be submitted within 30 days of receipt of this letter and the Permanent Closure Report shall be submitted within 90 days of receipt of this letter to the applicable field office. Please see the field office map at <a href="http://www.tn.gov/environment/ust/docs/USTFOMap.pdf">http://www.tn.gov/environment/ust/docs/USTFOMap.pdf</a>.

If the USTs were removed, a Permanent Closure Report shall be submitted within 90 days of receipt of this letter to the applicable field office.

The required Permanent Closure Application and Guidelines can be viewed at <a href="http://www.state.tn.us/environment/ust/close.shtml">http://www.state.tn.us/environment/ust/close.shtml</a>.

If you feel you are not financially able to undertake and complete the remedial activities at this site, including the removal of the USTs, the Division has limited funds available to conduct this work. In order to utilize these funds, you must first complete the enclosed financial assistance application and provide the following documentation supporting your claim of financial inability:

- 1) Copies of your last three (3) years of federal income tax returns. Please include copies of all applicable schedules and attachments with your income tax returns.
- 2) Obtain and submit a current credit report from a Credit Bureau.
- 3) Description of the type of ownership of all businesses (i.e. sole owner, joint owner, etc.)
- 4) Signed Grant of Access
- 5) Any other information supporting your claim

Please submit the above documentation marked "Confidential" no later than February 9, 2015 to:

Susan Watts Division of Underground Storage Tanks 4th Floor L & C Tower, 401 Church Street Nashville, Tennessee 37243

If you have any questions pertaining to the financial assistance application or supporting documentation, please call Susan Watts at (615) 532-0958.

If you have any questions, please do not hesitate to call me at 731-512-1346.

Sincerely,

Alan Dodge

Division of Underground Storage Tanks

alan Dodg

Enclosures: Financial Assistance Application

Grant of Access Form

Permanent Closure Guidelines Permanent Closure Application Permanent Closure Report Application for Fund Eligibility

cc:

Mr. Bill Todd, Environmental Specialist, EP Minerals

Technical File # 8-350104

<ul> <li>Complete items 1, 2, and 3. Also complete item 4 if Restricted Delivery is desired.</li> <li>Print your name and address on the reverse so that we can return the card to you.</li> <li>Attach this card to the back of the mailpiece, or on the front if space permits.</li> </ul>	A. Signature — Agent — Agent — Addressee  B. Received by (Printed Name) — C. Date of Delivery  Elaine McChare — Printed Pagent — Printed Name)
1. Article Addressed to:	D. Is delivery address different from item 1? /□ Yes if YES, enter delivery address below: □ No
Mr. Jim Loeppky, Manager E.P. Minerals 220 Highway 125 South	r
Middleton, TN 38052	3. Service Type  ☐ Certified Mail® ☐ Priority Mail Express™ ☐ Registered ☐ Return Receipt for Merchandise ☐ Insured Mail ☐ Collect on Delivery
2. Article Number (Transfer from service label) 70/0 2180 PS Form 3811, July 2013 Domestic Re	4. Restricted Delivery? (Extra Fee) ☐ Yes  1. 0002. 4005. 0949  turn Receipt
UNITED STATES POSTAL SERVICE  * Sender: Please print your name, add	First-Class Mail Postage & Fees Paid USPS Permit No. G-10
Tennessee Dept. of Environment 1625 Hollywood Drive Jackson, TN 38305-4316	DEC 2 3 2014  JACKSON E.A.C.
CE (Dom For de AJ	Postal Service TM  RTIFIED MAIL TM RECEIPT  estic Mail Only; No Insurance Coverage Provided)  livery information visit our website at www.usps.com  1. 12 -11-14, 8-350104
Restricte (Endorse)  Total Po	Postage \$ Certified Fee   Postmark   Here   Postmark   Here   Here    Postmark   Here   Here    Postmark   Here   Here    Postmark   Here   P

SENDER: COMPLETE THIS SECTION

COMPLETE THIS SECTION ON DELIVERY

## **Division of Underground Storage Tanks**

## **Telephone Conversation Record**

Date:December 16, 2014	
Time:10:10	
Facility ID# 8350104	
Facility Name:Moltan	
From:Bill Todd	
Phone Number731-376-8428	
Subject:Lost tank	
Comments:I received a phone call this morning for E.P. Minerals. (Formerly Moltan) He was returning asked Mr. Todd if he can get with the engineering dept facility that might have the 200 gallon tank on them. H can find out and call me back again.  Mr. Loeppke told me previously that no one working the are maintenance workers there that have worked there it.	my call to Mr. Jim Loeppke plant manager for EP.  and see if there are any old drawings for the is going to do some research and see what he here now knows anything about this tank. There
Case Manager: Olen Dodg	



Neko Sharkey <enviroadvantage@gmail.com>

#### **UST File Request 10.14.19**

Catrice N. Sharkey <cnsharkey@eagrouptn.com> To: Nicole Beers < Nicole.Beers@tn.gov>

Mon, Oct 14, 2019 at 3:31 PM

Hey Nicole,

We would like to request any and all electronic UST files you may have on the following property:

• Facility ID: 8-350104 Moltan Co, 145 TN 125, Middleton, Tennessee 38052

Catrice N. Sharkey **Chief Administrator Environmental Advantage Group, Inc** 

Tel: 901.414.0207 Fax: 901.654.7535

## **Public Records Request**

The Tennessee Public Records Act (TPRA) grants Tennessee citizens the right to access records made or received pursuant to law or ordinance or in connection with the transaction of official business by any governmental entity that exist at the time of the request. The TPRA does not require records custodians to compile information or create or recreate records that do not exist.

Please check TDEC's online dataviewers before submitting a request as new documents are uploaded daily. Also, many septic tank records are now available online through a new search page.

Requestor's Name	
------------------	--

**Catrice** 

**First Name** 

**Sharkey** 

**Last Name** 

**Phone** 

(901) 826-0420

Requestor's E-mail

info@eagrouptn.com

**Confirm Requestor's E-mail\*** 

info@eagrouptn.com

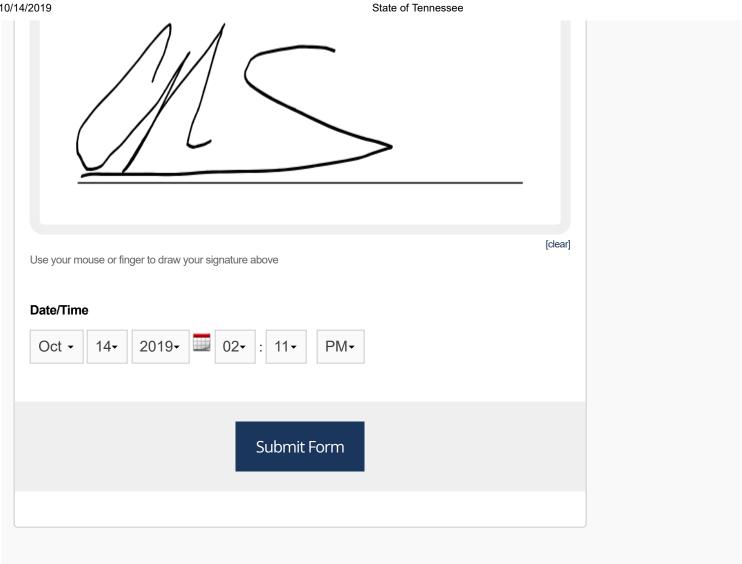
Is the requestor a Tennessee citizen?\*

Yes

○ No	
he agency can request proof of Tennessee citizenship before records are released.	
Request:	
Records Inspection	
Copy/Duplicate	
costs for copies are assessed, the requestor has a right to receive an estimate. Do rish to waive your right to an estimate and agree to pay copying and production cos mount not to exceed the amount entered by the requestor below?	
Yes	
○ No	
se your mouse or finger to draw your initials above	[clear]
ollar amount to not exceed	
25	
delivery Preference:	
On-Site Pick Up	
○ Electronic	

10/14/2019 State of Tennesse

2019 State of Termessee	
USPS First-Class Mail	
Other:	
Email to info@eagrouptn.com	
Provide a detailed description of the record(s) requested, including: (1) type of record timeframe or dates for the records sought; and (3) subject matter or key words related to the records. Under the TPRA, record requests must be sufficiently detailed to enagovernmental entity to identify the specific records sought. As such, your record remust provide enough detail to enable the records custodian responding to the requito identify the specific records you are seeking.	able a quest
All subsurface reports and closure documents related to SRS251275	
If site specific, choose the county	
Hardeman County -	
If needed, upload any supporting documents or maps.	
Choose File No File Chosen File uploads may not work on some mobile devices.	
Signature of Requestor	





SWM Permits SWM Complaints SWM Inspections SWM Forms HWM Facilities

Parent Site Name	Site Location	County	EFO	Latitude	Longitude
Howell Property	4215 Winwood Farms Loop	Hardeman	Jackson	35.002286	-88.891082

COMPLAINT

Back to Previous Page

Help

Complaint Number 43595

Division SWM

Date Received MAY-15-

How Received Phone

Concerning Open Burning

Concerning (Other)

Assigned Date  ${}^{\mathrm{MAY-15}}_{2017}$ 

Site ID 114261X
Facility ID

 Site ID
 114261

 Site
 Howell Property

 Location
 4215 Winwood Farms Loop

 City
 Middleton

 Description
 Old Sawmill - Possible Dump

 County
 Hardeman

Investigation Results

EFO Name

Site Owner

Date Investigated MAY-18-2017

Status Referred to other Agency/Section

Gate was locked and there was restricted access to property. From the road a large pile of wood debris that included wood pallets was **Status Detail** observed to be stockpiled behind a pond on the property. No open burning or burial of waste could be observed from the distance. Air pollution control issued an open burning advisory letter.

Responsible Party Ricky Howell

Resp Party Phone

Date Completed MAY-18-2017

Referred To

Date Referred

Photos

Last updated MAY-08-2018 . by .  $\mathsf{BG}35107$ 



TN Department of Environment & Conservation

Jackson Ricky Howell

If you have any questions or comments, Email ask.tdec@tn.gov or call at (888) 891-TDEC (8332).

## APPENDIX F OTHER SUPPORTING DOCUMENTATION





#### **National Water Information System: Web Interface**

**USGS Water Resources** 

Data Category:		Geographic Area:		
Groundwater	 <b>V</b>	United States	lacktriangledown	GO

#### Click to hideNews Bulletins

- Introducing The Next Generation of USGS Water Data for the Nation
- Full News

Groundwater levels for the Nation

#### Search Results -- 1 sites found

site\_no list =

• 345939088534301

#### Minimum number of levels = 1

Save file of selected sites to local disk for future upload

#### USGS 345939088534301 B0001 TIPPAH

Available data for this site Groundwater: Field measurements TGO

Tippah County, Mississippi

Hydrologic Unit Code 08010207

Latitude 34°59'39", Longitude 88°53'43" NAD27

Land-surface elevation 460.00 feet above NGVD29

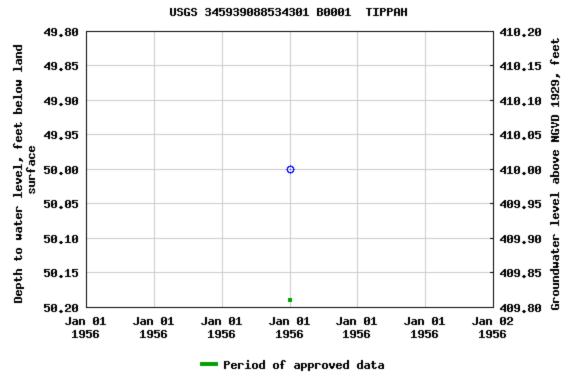
The depth of the well is 170 feet below land surface.

This well is completed in the Southeastern Coastal Plain aquifer system (S100SECSLP) national aquifer.

This well is completed in the Ripley Formation (211RPLY) local aquifer.

#### **Output formats**

Output formats
Table of data
Tab-separated data
Graph of data
Reselect period



Breaks in the plot represent a gap of at least one year between field measurements. <u>Download a presentation-quality graph</u>

Questions about sites/data? Feedback on this web site Automated retrievals Help Data Tips **Explanation of terms** Subscribe for system changes News

Accessibility Plug-Ins Policies and Notices FOIA Privacy U.S. Department of the Interior | U.S. Geological Survey

**Title: Groundwater for USA: Water Levels** 

URL: https://nwis.waterdata.usgs.gov/nwis/gwlevels?

Page Contact Information: USGS Water Data Support Team

Page Last Modified: 2019-10-03 16:54:20 EDT

1.03 0.93 nadww01





## **Middleton Water Utility**

#### 2018 Water Quality Report

We're pleased to present this year's City of Middleton Water Quality Report. This report is designed to inform you about the quality of water we deliver to you every day. Our constant goal is to provide you with a safe and dependable supply of drinking water. We want you to understand the efforts we make to continually improve the water treatment process and protect our water resources. We are committed to ensuring the quality of your water.

#### **Source of Water**

Middleton draws its water from six sandstone wells, ranging in depth from 330 feet to 856 feet. These wells penetrate the Franconia, Galesville, Eau Claire and Mount Simon formations. The City has provided the Wisconsin Department of Natural Resources with inventory data on these wells that was used to prepare a source water assessment plan.

#### This report shows our water quality and what it means

If you have any questions with this report, please contact the **Middleton Water Utility at (608) 821-8370,** Monday-Friday 7:30-4:00. We want our valued customers to be informed about their water utility. If you want to learn more, please attend any of our regularly scheduled meetings. They are held at the City of Middleton, 7426 Hubbard Avenue at 6:30 pm on the 2<sup>nd</sup> and 4<sup>th</sup> Mondays of each month. Copies of this report are available in English or Spanish at City Hall, or on the City's Web Site at <u>cityofmiddleton.us</u>. **Copias de este informe están disponibles en Español en las oficinas de la ciudad, o en el sitio Web cityofmiddleton.us**.

The Middleton Water Utility routinely monitors for constituents in our drinking water according to Federal and State laws. The table shows the most recent results of our monitoring.

#### **Wellhead Protection**

The City of Middleton has adopted a Wellhead Protection Plan and Ordinance. The purpose of these land use controls is to help protect the source of our drinking water. Copies of the plan are available for inspection at City Hall.

#### **Cross Connection Control Program**

A cross connection is a direct or potential connection between any part of the public water supply system and a source of contamination or pollution. The most common form of cross connection is a garden hose, which is easily connected to the public water supply system and can be used to apply a variety of potentially dangerous substances, including chemicals and fertilizer. Other common cross connections include dishwashers, toilets, pressure washers, boilers, pools, and lawn sprinkler systems.

In order to reduce overall costs for compliance with DNR Regulation NR810.15, the City of Middleton Water Utility has implemented a comprehensive cross connection survey program. There is no cost for the survey and each on-site survey takes less than 45 minutes on average for a business and less than 15 minutes for a home survey when conducted at the time of new water meter installation.

The City will send postal notices to perform surveys of residential, commercial, and industrial buildings throughout the community. This is to detect actual & potential cross connections and make recommendations for the installation of backflow prevention devices or assemblies where necessary. This will help ensure that contaminated or polluted water cannot backflow into clean drinking water.

<b>Definition of Ten</b>	Definition of Terms								
Term	Definition								
AL	Action Level: The concentration of a contaminant which, if exceeded, triggers treatment or other requirements which a water system must follow.								
MCL	Maximum Contaminant Level: The highest level of a contaminant that is allowed in drinking water. MCLs are set as close to the MCLGs as feasible using the best available treatment technology.								
MCLG	Maximum Contaminant Level Goal: The level of a contaminant in drinking water below which there is no known or expected risk to health. MCLGs allow for a margin of safety.								
nd	No detect								
pCi/l	picocuries per liter (a measure of radioactivity)								
ppm	parts per million, or milligrams per liter (mg/l)								
ppb	parts per billion, or micrograms per liter (ug/l)								
TCR	Total Coliform Rule								

**Detected Contaminants:** Your water was tested for many contaminants last year. We are allowed to monitor for some contaminants less frequently than once a year. The following tables list only those contaminants which were detected in your water. If a contaminant was detected last year, it will appear in the following tables without a sample date. If the contaminant was not monitored last year, but was detected within the last 5 years, it will appear in the tables below along with the sample date.

#### **Test Results**

	Inorganic Contaminants											
Contaminant (units)	MCL	MCLG	Level Found	Range	Sample Date (if prior to 2018)	Violation	Typical Source of Contaminant					
ARSENIC (ppb)	10	n/a	1	0 - 1	6/5/2017	NO	Erosion of natural deposits; Runoff from orchards; Runoff from glass and electronics production wastes					
BARIUM (ppm)	2	2	.078	.004078	6/5/2017	NO	Discharge of drilling wastes; Discharge from metal refineries; Erosion of natural deposits					
CHROMIUM (ppb)	100	100	2	0 - 2	6/19/2017	NO	Discharge from steel and pulp mills; Erosion of natural deposits					
COPPER (ppm)	AL=1.3	1.3	90 <sup>th</sup> Percentile: .17	1 of 33 results was above the action level	7/25/2017	NO	Corrosion of household plumbing systems; Erosion of natural deposits; Leaching from wood preservatives					
FLUORIDE (ppm)	4	4	0.8	0.1-0.8	5/4/2017	NO	Erosion of natural deposits; Water additive which promotes strong teeth; Discharge from fertilizer and aluminum factories					
LEAD (ppb)	AL=15	0	90 <sup>th</sup> Percentile: 3.70	1 of 33 results was above the action level.	7/27/2017	NO	Corrosion of household plumbing systems; Erosion of natural deposits					
NICKEL (ppb)	100		2.0000	1.0000- 2.0000	6/19/2017	NO	Nickel occurs naturally in soils, groundwater and surface waters and is often used in electroplating, stainless steel and alloy products.					

NITRATE (N03-N) (ppm)	10	10	3.50	0.00-3.50		NO	Runoff from fertilizer use; Leaching from septic tanks, sewage; Erosion of natural deposits
SODIUM (ppm)	n/a	n/a	46.00	3.00-46.00	6/19/2017	NO	n/a
THALLIUM TOTAL (ppb)	2	0.5	.2	0.02	5/17/2017	NO	Leaching from ore-processing sites; Discharge from electronics, glass, and drug factories

Lead in drinking water is primarily from materials and components associated with service lines and home plumbing. Middleton Waterworks is responsible for providing high quality drinking water, but cannot control the variety of materials used in plumbing components. When your water has been sitting for several hours, you can minimize the potential for lead exposure by flushing your tap for 30 seconds to 2 minutes before using water for drinking or cooking. If you are concerned about lead in your water, you may wish to have your water tested. Information on lead in drinking water, testing methods, and steps you can take to minimize exposure is available from the Safe Drinking Water Hotline, 1-800-426-4791, or at www.epa.gov/safewater/lead. Infants and children who drink water containing lead in excess of the action level could experience delays in their physical or mental development. Children could show slight deficits in attention span and learning abilities. Adults who drink this water over many years could develop kidney problems or high blood pressure.

Radioactive Contaminants											
Contaminant (units)	MCL	MCLG	Level Found	Range	Sample Date (if prior to 2018)	Violation	Typical Source of Contaminant				
RADIUM, (226+228)(pCi/l)	5	0	4.6	1.0- 4.6	5/17/2017	NO	Erosion of natural deposits				
Gross Alpha, Excl. R&U(pCi/l)	15	0	4.1	0.0-4.1	5/17/2017	NO	Erosion of natural deposits				
Gross Alpha, Incl. R&U (n/a)	n/a	n/a	4.1	0.0- 4.1	5/17/2017	NO	Erosion of natural deposits				

Disinfection Byproduc	Disinfection Byproducts - Trihalomethanes and Halo Acidic Acids											
Contaminant (units)- Site	MCL	MCLG	Level Found	Range	Sample Date (if prior to 2018)	Violation	Typical Source of Contaminant					
Total THM (ppb)- D1	80	0	10.7	3.2-10.1		NO	By-product of Drinking Water Chlorination					
Total THM (ppb)- D2	80	0	2.6	0.0-6.3		NO	By-product of Drinking Water Chlorination					
HAA5 (ppb)- D1	60	60	5	2-6		NO	By-product of Drinking Water Chlorination					
HAA5 (ppb)- D2	60	60	2	0-4		NO	By-product of Drinking Water Chlorination					

Some people who drink water containing trihalomethanes (THM) in excess of the MCL over many years may experience problems with their liver, kidneys, or central nervous system, and may have an increased risk of getting cancer.

<b>Unregulated Contaminants</b>							
Contaminant (units)	MCL	MCLG	Level Found	Range	Sample Date (if prior to 2018)	Violation	Typical Source of Contaminant
SULFATE (ppm)	n/a	n/a	20.00	0.0-20.00	6/19/2017	NO	n/a

Synthetic Organic Contaminants including Pesticides and Herbicides											
Contaminant (units)	MCL	MCLG	Level Found	Range	Sample Date (if prior to 2018)	Violation	Typical Source of Contaminant				
ATRAZINE (ppb)	3	3	0.0	0.0-0.0	6/19/2017	NO	Runoff from herbicide used on row crops				

#### **Explanation of Test Results**

We're proud that your drinking water meets or exceeds all Federal and State requirements. We have learned through our monitoring and testing that some constituents have been detected. The EPA has determined that your water IS SAFE at these levels. All sources of drinking water are subject to potential contamination by constituents that are naturally occurring or man made. Those constituents can be microbes, organic or inorganic chemicals, or radioactive materials. Unregulated contaminants are those for which EPA has not established drinking water standards. The purpose of unregulated contaminant monitoring is to assist EPA in determining the occurrence of unregulated contaminants in drinking water and whether future regulation is warranted. EPA required us to participate in this monitoring.

All drinking water, including bottled water, may reasonably be expected to contain at least small amounts of some contaminants. The presence of contaminants does not necessarily indicate that the water poses a health risk. More information about contaminants and potential health effects can be obtained by calling the Environmental Protection Agency's Safe Drinking Water Hotline at 1-800-426-4791.

Maximum Contaminant Levels (MCL's) are set at very stringent levels. To understand the possible health effects described for many regulated constituents, a person would have to drink 2 liters of water every day at the MCL level for a lifetime to have a one-in-a million chance of having the described health effect.

Some people may be more vulnerable to contaminants in drinking water than the general population. Immuno-compromised persons such as persons with cancer undergoing chemotherapy, persons who have undergone organ transplants, people with HIV/AIDS or other immune system disorders, some elderly, and infants can be particularly at risk from infections. These people should seek advice about drinking water from their health care providers. EPA/CDC guidelines on appropriate means to lessen the risk of infection by cryptosporidium and other microbiological contaminants are available from the Safe Drinking Water Hotline 1-800-426-4791.

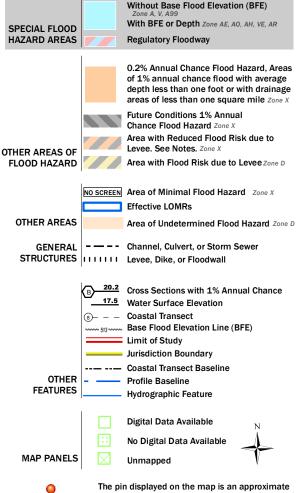
Please call the Middleton Water Utility at (608) 821-8370 if you have any questions.

### National Flood Hazard Layer FIRMette



#### Legend

SEE FIS REPORT FOR DETAILED LEGEND AND INDEX MAP FOR FIRM PANEL LAYOUT

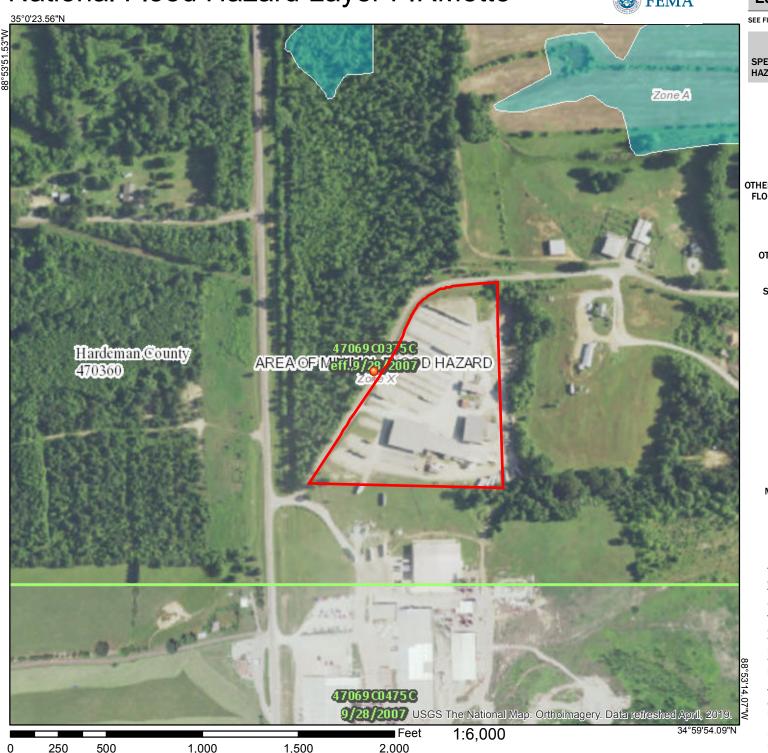


point selected by the user and does not represent an authoritative property location.

This map complies with FEMA's standards for the use of digital flood maps if it is not void as described below. The basemap shown complies with FEMA's basemap accuracy standards

The flood hazard information is derived directly from the authoritative NFHL web services provided by FEMA. This map was exported on 10/3/2019 at 6:19:04 PM and does not reflect changes or amendments subsequent to this date and time. The NFHL and effective information may change or become superseded by new data over time.

This map image is void if the one or more of the following map elements do not appear: basemap imagery, flood zone labels, legend, scale bar, map creation date, community identifiers, FIRM panel number, and FIRM effective date. Map images for unmapped and unmodernized areas cannot be used for regulatory purposes.



#### **Hardeman County, Tennessee**

## WcB3—Wilcox silty clay, 2 to 5 percent slopes, severely eroded

#### **Map Unit Setting**

National map unit symbol: bzsw

Mean annual precipitation: 48 to 62 inches Mean annual air temperature: 48 to 71 degrees F

Frost-free period: 197 to 211 days

Farmland classification: All areas are prime farmland

#### **Map Unit Composition**

Wilcox and similar soils: 100 percent

Estimates are based on observations, descriptions, and transects of

the mapunit.

#### **Description of Wilcox**

#### Setting

Landform: Hillslopes

Landform position (three-dimensional): Crest

Parent material: Clayey residuum weathered from claystone

#### Typical profile

H1 - 0 to 5 inches: silty clay H2 - 5 to 16 inches: silty clay H3 - 16 to 47 inches: clay Cr - 47 to 60 inches: bedrock

#### **Properties and qualities**

Slope: 2 to 5 percent

Depth to restrictive feature: 40 to 60 inches to paralithic bedrock

Natural drainage class: Somewhat poorly drained

Capacity of the most limiting layer to transmit water (Ksat): Very

low to moderately low (0.00 to 0.06 in/hr) Depth to water table: About 12 to 24 inches

Frequency of flooding: None Frequency of ponding: None

Available water storage in profile: Moderate (about 8.3 inches)

#### Interpretive groups

Land capability classification (irrigated): None specified

Land capability classification (nonirrigated): 3e

Hydrologic Soil Group: D Hydric soil rating: No

#### **Data Source Information**

Soil Survey Area: Hardeman County, Tennessee Survey Area Data: Version 17, Sep 16, 2019

#### U.S. Fish and Wildlife Service

## National Wetlands Inventory





October 3, 2019

#### Wetlands

Estuarine and Marine Deepwater

Estuarine and Marine Wetland

Freshwater Emergent Wetland

Freshwater Forested/Shrub Wetland

Freshwater Pond

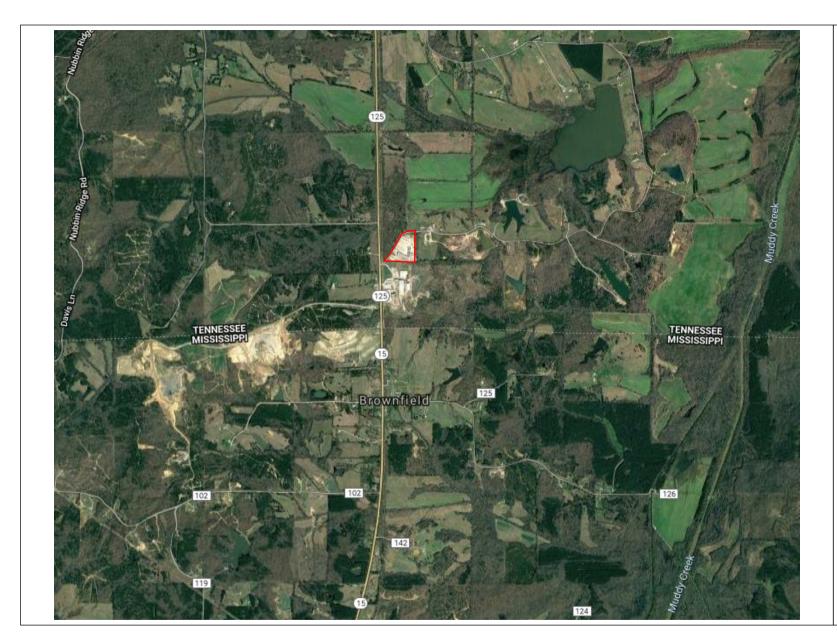
Lake

Lano

Riverine

Other

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



#### Legend

500 m

Pipelines depicted on this map represent gas transmission and hazardous liquid lines only. Gas gathering and gas distribution systems are not represented.

This map should never be used as a substitute for contacting a one-call center prior to excavation activities. Please call 811 before any digging occurs.

Questions regarding this map or its contents can be directed to npms@dot.gov.

Projection: Geographic

Datum: NAD83

Map produced by the Public Viewer application at www.npms.phmsa.dot.gov

Date Printed: Oct 03, 2019



# APPENDIX G QUALIFICATIONS



#### Neko N. Sharkey - Associate Consultant

#### **Education:**

BS Organizational Leadership, Union University, Jackson, Tennessee Graduate Certification, Water Resource Research, University of Tennessee at Knoxville Coursework, Civil/Environmental Engineering, Christian Brothers University, Memphis, Tennessee

#### **Training/Licenses/Registrations:**

Certified Environmental Manager, Environmental Assessment Association (EAA)

Certified Environmental Specialist, EAA

Certified Environmental Inspector, EAA

Level I & Level II Erosion and Sediment Pollution Control Certified #125299, Tennessee

Department of Environment and Conservation

40-Hour HAZWOPER Certification, National Environmental Trainers

Certified Asbestos Inspector, Environmental Technologies

AutoCAD Advanced Certification, NetCom Information Technology

#### **Summary of Professional Experience:**

Mr. Neko Sharkey is an environmental professional with experience since 2005 in environmental and risk management related field inspections, Phase II sampling, environmental remediation project management, consultation, professional service contracts and environmental compliance for local municipalities, state regulatory, and national offices. Mr. Sharkey has established close relationships with many laboratory professionals, chemists, engineers, designers, geologists, and industrial hygienists serving a variety of industries and corporations.

Select project experience for Mr. Sharkey includes:

- Phase I Environmental Site Assessment, gasoline station, Memphis, Tennessee
- Phase I Environmental Site Assessment, 230-acres, Woodsedge Estate Residential Development, Eads, Tennessee
- Phase I Environmental Site Assessment, 43.9-acres, Hamilton Property, Arlington, Tennessee
- Environmental Abatement Supervision, US Post Office, Memphis, Tennessee
- Phase II Environmental Site Assessment, EMID Sewage Lagoon, Memphis, Tennessee
- Class II Asbestos Abatement and Phase II Lead Paint Survey, Universal Life Building, Memphis, Tennessee
- NPDES Permit Inspection and SWPPP Design Review, Memphis, Tennessee
- Property Assessment (Fannie Mae) including an Asbestos Survey & Lead Survey, Metropost Apartments, Memphis, Tennessee



#### **Shannon Lefebvre – National Client Manager**

BS Earth Science, Western Michigan University

Ms. Lefebvre has over 20 years of experience in the environmental services industry, primarily as a project manager and senior technical reviewer working directly with clients to fulfill their environmental needs. Ms. Lefebvre has been responsible for management of small local clients as well as large national and regional accounts.

Project experience for Ms. Lefebvre includes:

- Senior Technical Review of thousands of Phase I ESA reports on multiple property types and sizes that were done for national and regional banks, life insurance companies, equity investors as well as Freddie Mac, Fannie Mae, SBA and USDA scopes of work.
- Phase I Environmental Site Assessments Conducted over 1700 ESA projects including debt and equity projects. Properties range from large acreage raw land to residential, agricultural, retail, commercial and industrial properties.
- Phase II Environmental Site Assessments Responsible for planning and coordinating all phases of subsurface soil and groundwater investigation at former landfills, agricultural operations, underground storage tank (UST) sites, dry cleaners, and industrial facilities; interpretation of analytical results and technical review of peer reports.
- National Environmental Policy Act (NEPA) Compliance Created program for private company to conduct all aspects of NEPA compliance for telecommunication towers.
- Stormwater Pollution Prevention Plans (SWPPP)— SWPPPs for Arizona Department of Transportation (ADOT) statewide maintenance facilities as well as annual SWPPP inspections for City of Phoenix Aviation Department and ADOT.
- Indoor Air Quality Responsible for the management and planning of assessment and remediation oversight regarding water intrusion and fungal growth issues throughout the U.S.
- Asbestos Responsible for conducting surveys, and managing renovation/demolition abatement projects throughout the U.S.



## APPENDIX H LIST OF COMMONLY USED ABBREVIATIONS



#### UNITS

μg/L	Micrograms per Liter	pCi/L	PicoCuries per Liter
mg/kg	Milligrams per Kilogram	ppb	Parts per Billion
mg/L	Milligrams per Liter	ppm	Parts per Million

#### **ABBREVIATIONS AND ACRONYMS**

ADBKEVIA	TIONS AND ACRONYMS		
ACM	Asbestos-Containing Material	NESHAP	National Emission Standards for Hazardous Air Pollutants
ADJ	Adjacent site	NFA	No Further Action
AEI	AEI Consultants	NFRAP	No Further Remedial Action Planned
AHERA	Asbestos Hazard Emergency Response Act	NLR	No Longer Reporting
APN	Assessor's Parcel Number	NOV	Notice of Violation
AST	Aboveground Storage Tank	NPL	National Priorities List
AUL	Activity and Use Limitation	0&M	Operations and Maintenance
bgs	Below Ground Surface	OEC	Other Environmental Considerations
ВТЕХ	Benzene, Toluene, Ethylbenzene, and Xylenes	OSHA	Occupational Safety and Health Administration
CERCLA	Comprehensive Environmental Response Compensation and Liability Act	РСВ	Polychlorinated Biphenyl
CERCLIS	Comprehensive Environmental Response Compensation and Liability Information System	PCE, PERC	Perchloroethylene, Tetrachloroethylene, Tetrachloroethene
CESQGs	Conditionally Exempt Small Quantity Generators	RCRA	Resource Conservation and Recovery Act
COC	Contaminant of Concern	REC	Recognized Environmental Condition
CREC	Controlled Recognized Environmental Condition	RP	Responsible Party
EC	Engineering Controls	SDS	Safety Data Sheet
EDR	Environmental Data Resources, Inc.	SEMS	Superfund Enterprise Management System
EPA	Environmental Protection Agency	SF	Square Footage/Square Feet
ERIS	Environmental Risk Information Services	SP	Subject Property
ERNS	Emergency Response Notification System	SQG	Small Quantity Generator
ESA	Environmental Site Assessment	SWLF	Solid Waste Landfill
GPR	Ground-Penetrating Radar	SVOC	Semi-Volatile Organic Compound
HREC	Historical Recognized Environmental Condition	TCE	Trichloroethylene, Trichloroethene
HVAC	Heating, Ventilation and Air Conditioning	TPH	Total Petroleum Hydrocarbons
HWS	Hazardous Waste Site	TPHd	Total Petroleum Hydrocarbons (diesel range)
IC	Institutional Controls	TPHg	Total Petroleum Hydrocarbons (gasoline range)
LBP	Lead-Based Paint	ТРНо	Total Petroleum Hydrocarbons (oil range)
LCP	Lead-Containing Paint	TRPH	Total Recoverable Petroleum Hydrocarbons
LLP	Landowner Liability Protection	TSDF	Treatment, Storage, and Disposal Facility
LQG	Large Quantity Generator	USDA	United States Department of Agriculture
LUST	Leaking Underground Storage Tank	USGS	United States Geological Survey
MCL	Maximum Contaminant Level	UST	Underground Storage Tank
MTBE	Methyl Tertiary Butyl Ether	VCP	Voluntary Cleanup Program
ND	None Detected	VOC	Volatile Organic Compound