

Phase I Environmental Site Assessment
33.13-Acre Property
Parcel 4706-21-200-020
Howell Township, Livingston County, Michigan

Howell Township

January 20, 2025

ASTI ENVIRONMENTAL



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Report Prepared For:

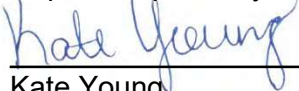
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1.0 EXECUTIVE SUMMARY

ASTI Environmental (ASTI) was retained by Howell Township to conduct a Phase I Environmental Site Assessment (ESA) of Parcel 4706-21-200-020 in Howell Township, Livingston County, Michigan (Subject Property). The Phase I ESA was conducted in accordance with United States Environmental Protection Agency (US EPA) Standards and Practices for All Appropriate Inquiries (AAI, 40 CFR Part 312) and the American Society for Testing and Materials (ASTM) Practice E1527-21. The information and opinions rendered in this report are exclusively for reliance by Howell Township.

Subject Property Overview	
Address/Location	Address not available
Parcel Number(s)	4706-21-200-020
Acreage	±33.13
Current Use	Agricultural

The Phase I ESA included (1) a site inspection on December 17, 2024, (2) interviews with knowledgeable site contacts, (3) review of pertinent Michigan Department of Environment, Great Lakes, and Energy (EGLE), Howell Township, and Livingston County records, (4) acquisition and review of a federal and state database search, and (5) review of historical aerial photographs, topographic maps, and city directories.

Below is a summary of our opinion representing the findings of this Phase I ESA. Affirmative answers are discussed following the summary table.

Condition as defined in ASTM E1527 and/or AAI	Identified through a search of <i>Reasonably Ascertainable</i> records
<i>Significant Data Gap</i>	No
<i>De Minimis Condition</i>	No
<i>Historic Recognized Environmental Condition (HREC)</i>	No
<i>Controlled Recognized Environmental Condition (CREC)</i>	No
<i>Recognized Environmental Condition (REC)</i>	Yes

Refer to Section 10.0 for a more detailed summary of the findings.

Recognized Environmental Conditions

We have performed a Phase I ESA in conformance with the scope and limitations of ASTM Practice E1527-21 of the Subject Property. Any exceptions to, or deletions from, this practice

are described in Section 2.4 of this report.

This assessment has revealed the following recognized environmental conditions (RECs), controlled recognized environmental conditions (CRECs), and/or significant data gaps in connection with the Subject Property.

REC Opinion #1: Biosolids appear to have been applied to the Subject Property as an agricultural nutrient booster. The biosolids were applied by Biotech Agronomics, Inc. and they were sourced from the Pontiac Wastewater Treatment Plant (WWTP). The obtained biosolids application notification was issued on May 29, 2014. The biosolids were tested for arsenic, cadmium, copper, lead, mercury, molybdenum, nickel, selenium, zinc, nitrogen, phosphorus, and potassium. The biosolids do not appear to have been tested for per- and polyfluoroalkyl substance (PFAS), which is now known to be spread through biosolids from WWTPs.

REC Opinion #2: The Subject Property was initially included in a Baseline Environmental Assessment from 2004 that covered a 207-acre site formerly operated by Difco Lab. The report was revised to a smaller fraction that is about 8.6 acres. The Subject Property is not included in the revised area; however, no sampling was conducted on the Subject Property to distinguish or verify its' condition.

2.0 INTRODUCTION

ASTI was retained by Howell Township to conduct a Phase I ESA of Parcel 4706-21-200-020 in Howell Township, Livingston County, Michigan (Subject Property). The Phase I ESA was conducted in accordance with the US EPA Standards and Practices for AAI and the ASTM Practice E1527-21.

2.1 Purpose

The assessment was conducted to identify RECs, HRECs, and CRECs associated with the historical uses of the Subject Property, current site operations, and the condition of surrounding properties. This Phase I ESA can be used by Howell Township to qualify for one of three landowner liability protections (contiguous property owner, innocent landowner, or bona fide prospective purchaser) available under the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA) of 1980, as amended. This Phase I ESA may also

be used to qualify for State of Michigan liability defenses and exemptions that may be available under Part 201 of the Natural Resources and Environmental Protection Act.

2.2 Detailed Scope of Services

Information required to complete the Phase I ESA was obtained from personal interviews and a review of *practically reviewable* and *reasonably ascertainable* records. Informational sources include the following:

Section	Item	Adequate	Inadequate/ Data Gap	Source
7.0	Interviews	x		Owner Questionnaire
4.0	User-Provided Information	x		Questionnaire
4.1/4.2	AUL/Liens Search	x		User
5.2.3	Assessing Documents	x		Howell Township
5.2.4	Building Permits		x	Howell Township
5.2.5	Zoning Documents	x		Howell Township
5.2.2	Fire Department Records		x	Howell Township
5.2.1	Health Department Records	x		Livingston County
5.3.1	Aerial Photographs	x		EDR
5.3.2	Sanborn Map Search	x		EDR
5.3.3	City Directories	x		EDR
5.3.4	Topographic Maps	x		EDR
5.1	Regulatory Database Review	x		EDR

2.3 Significant Assumptions

Information obtained during this assessment, to the extent it was relied on to form our opinion, was assumed to be complete and accurate. ASTI cannot be held responsible for the quality or content of information obtained from interviews and standard sources. Since ASTI cannot warrant or guarantee that the information provided by interviews and standard sources is accurate or complete, the intention of this Phase I ESA is to reduce, but not eliminate, uncertainty for the potential for RECs, HRECs, and CRECs on the Subject Property.

2.4 Deviations, Exceptions, and Limitations

The information and opinions included in this report were given in response to a limited scope of work being a Phase I ESA per ASTM Practice E1527-21 and AAI and should be considered and

implemented only in light of that particular scope of work. The services provided by ASTI in completing this assessment have been provided in a manner consistent with the expected standards of the profession. No other warranties, expressed or implied, are made.

Non-scope issues are considered by ASTM Practice E1527-21 as beyond the scope of a Phase I ESA. These issues may affect *business environmental risk* at the Subject Property. These non-scope issues may warrant assessment based on the type of Subject Property transaction. Non-scope issues such as those described in ASTM Practice E1527-21 Appendix X6 were not investigated.

No deviations to ASTM Practice E1527-21 or AAI have occurred during this assessment.

No testing or sampling of materials (i.e., soil, water, and air) was included in this assessment. No limiting conditions were identified during the site reconnaissance, except for those described in Section 6.1.

ASTM Practice E1527-21 does not require a review of standard historical sources at less than approximate five-year intervals. Past uses of the Subject Property at less than approximate five-year intervals may not have been uncovered.

Responses received from regulatory agencies or other secondary sources of information after this report's issuance may alter the facts, findings, conclusions, or recommendations in this ESA.

2.5 Special Terms and Conditions

The Phase I ESA was performed in conformance with the scope and limitations of ASTM Practice E1527-21 and AAI. No special terms and conditions outside ASTM Practice E1527-21 and AAI have been addressed. Under the AAI Rule and ASTM Practice E1527-21, AAI must be conducted within one year prior to the date of the transaction of the Subject Property. However, according to Section 4.6 of ASTM Practice E1527-21, "Certain Components" of the AAI must be conducted or updated within 180 days prior to the date of the Subject Property transaction. These "Certain Components" and the corresponding dates they were conducted are provided below:

- Interviews with owners, operators, and occupants (conducted January 2, 2025)
- Governmental records review (conducted December 12, 2024)
- Site reconnaissance (conducted December 17, 2024)

- Searches for records of environmental cleanup liens (a User responsibility, ASTI conducted a review of liens perfected by the EGLE Remediation and Redevelopment Division on December 12, 2024)
- Declaration by the Environmental Professional responsible for the assessment (signed January 13, 2025)

2.6 User Reliance

The Phase I ESA was performed for the benefit of Howell Township, and ASTI acknowledges that said party may rely on the contents and conclusions presented in this report. This effort was performed per the authorization of Howell Township on December 10, 2024. The information and opinions rendered in this report are exclusively for use by Howell Township, and ASTI will not distribute or publish this report without the consent of Howell Township, except as required by law or court order.

Any use a third party makes of this report, any reliance upon it, or any decision based on it is the sole responsibility of the third party. A third party is not afforded the status of a third-party beneficiary unless ASTI expressly agrees to such status in writing. ASTI has no responsibility for any damages that may be suffered by a third party as a result of any decision made or action taken by a third party based on this report.

3.0 SITE DESCRIPTION

3.1 Location, Legal Description, Vicinity Characteristics

General Location	A Site Location Map is provided in Appendix A.
Legal Description	A copy of the assessment record with the legal description is included in Appendix D.
Quarter Section & Township and Range	NE ¼ of Section 21, Township 3 North, Range 4 East
City/Township, County, State, Zip Code	Howell Township, Livingston County, Michigan 48855
Parcel Number(s)	4702-21-200-020
Acreage	±33.13
Subject Property Zoning	AR: Agricultural-Residential District
Local Development Utilization	Residential and agricultural

A Site Features Map is included in Appendix A. Photographs of the Subject Property and adjoining properties were taken during the site inspection and are provided in Appendix B.

3.2 Current Use of the Subject Property

The Subject Property is used for agricultural purposes.

3.3 Descriptions of Structures, Roads, Other Improvements on the Site

Roads and Other Improvements	
Access	Via Bowen Road
Paved Areas	None
Maintained Lawn	None
Landscaped Areas	None
Surface Water	None
Additional Improvements	None

Municipal Services and Utilities			
Service or Utility	Present	Provider	Comments
Potable Water Source	No	Howell Township	Service available
Irrigation Well	No		
Sewage	No	Howell Township	Service available
Storm Sewer	No	Howell Township	Service available
Electrical	No	DTE Energy	Service available
Natural Gas	No	Consumers Energy	Service available
Solid Waste Disposal	No		Service available
Heating & Cooling	No		

There was no indication or evidence of the former presence of potable wells or septic systems on the Subject Property.

3.4 Current Uses of Adjoining Properties

ASTI observed adjoining properties during the site inspection to evaluate the potential risk these properties may pose to the Subject Property. Observations were made from the Subject Property and public access areas, as appropriate. Each is described as follows:

Adjoining Property Use			
Direction	Occupant & Address	Use	Potential Concerns Observed During Site Reconnaissance
North	Private Residences 3275-3467 Warner Road	Residential	None
East	Agricultural Land 2755 Tooley Road	Agricultural	None
	Private Residences 3174-3196 Bowen Road	Residential	None
South	Private Residences 3225-3450 Bowen Road	Residential	None
West	Private Residences 3500-3564 Bowen Road	Residential	None
	Private Residence 3531 Warren Road	Residential	None

3.5 Physical Setting Sources

The EDR report in Appendix D provides a Physical Setting Sources Map, which includes an overlay of the United States Geological Survey (USGS) topographic map (7.5-minute series) for the Oak Grove, Michigan quadrangle, which includes the Subject Property. The USGS map is also the basis of the Site Location Map in Appendix A.

Average Elevation (feet above mean sea level)	872
Local Gradient	Declines to the east-northeast
Regional Gradient	Declines to the north
Nearest Surface Water Body	South Branch Shiawassee River: 3,130' northeast
Groundwater Depth (feet below ground)	According to nearby subsurface investigations, groundwater was encountered between 8-13 feet.
Groundwater Flow Direction	Inferred to flow north based on topography

Soil composition information for the Subject Property is included in the EDR report (Appendix D). The soil component for the Subject Property is described as follows:

Soil Component	Soil Texture	Infiltration Rate	Drainage	Hydric
Houghton	Muck	Can be drained and are classified	Very poorly	Meets the requirements

The EGLE GeoWebFace site identified the upper sediments in the area of the Subject Property as medium-textured glacial till.

Nearby subsurface investigations indicate that the soil lithology consists of sand from the surface to a depth of 4 feet below ground surface (bgs), transitioning to clayey sand between 4 and 7 feet bgs. This layer is followed by silty sand extending from 7 to 8 feet bgs, and then sand continues from 8 feet to the boring termination depth of 16 feet bgs.

4.0 USER-PROVIDED INFORMATION

To qualify for one of the landowner liability protections offered by the Small Business Liability Relief and Brownfield’s Revitalization Act of 2002, the User, defined by ASTM as *the party seeking to use Practice E1527 to complete an environmental site assessment of the property*, has specific obligations for completing a successful application of this practice as outlined in Section 6 of ASTM Practice E1527-21. Failure to provide information regarding the obligations outlined to the Environmental Professional may result in a determination that AAI is not complete.

A representative of the User completed a User Questionnaire on January 6, 2025. A copy of the completed User Questionnaire is included in Appendix C.

Question		Response
1	Did a search of recorded land title records identify any environmental liens filed or recorded against the Subject Property under federal, tribal, state, or local law?	No
2	Did a search of recorded land title records identify and Activity Use Limitations such as engineering controls, land use restrictions, or institutional controls that are in place at the Subject Property and/or have been filed or recorded against the Subject Property under federal, tribal, state, or local law?	No
3	Do you have any specialized knowledge or experience related to the Subject Property or nearby properties? For example, are you involved in the same line of business as the current or former occupants of the Subject Property or an adjoining property so that you would have specialized knowledge of the chemicals and processes used by this type of business?	No

Question		Response
4	Is the purchase price significantly lower than the fair market value? If you conclude there is a difference, have you considered whether a lower price is due to contamination known or believed to be present at the Subject Property?	No N/A
5	Are you aware of commonly known or reasonably ascertainable information about the Subject Property that would help the environmental professional to identify conditions indicative of releases or threatened releases?	No
5a	Do you know past uses of the Subject Property?	Yes, farm
5b	Do you know of specific chemicals that are present or once were present at the Subject Property?	No
5c	Do you know of spills or other chemical releases that have taken place at the Subject Property?	No
5d	Do you know of any environmental cleanups that have taken place at the Subject Property?	No
5e	Based on your knowledge and experience related to the Subject Property, are there any obvious indicators that point to the presence or likely presence of releases at the Subject Property?	No
6	Are you aware of any prior environmental investigations that may be available for review?	No

4.1 Environmental Liens and Activity Use Limitations (AULs)

As indicated on the User questionnaire, the User did not identify AULs or environmental liens.

4.2 Search of Recorded Land Title Records

The User did not provide recorded land title records for the Subject Property.

4.3 Additional Records Provided by the User

The User did not provide any additional records.

5.0 RECORDS REVIEW

5.1 Standard Environmental Record Sources

ASTI ordered a government records search for the Subject Property from Environmental Data Resources, Inc. (EDR) in Shelton, Connecticut. A copy of The EDR Radius Map Report with GeoCheck®, dated December 12, 2024, is included in Appendix D. A description of the databases, search distances, and results are presented in the EDR report.

ASTM-Required Databases			
Database List (ASTM Required Search Distance)	Subject Property Listing	Adjoining Property Listing	Total Applicable ASTM Listings
Federal NPL/State Hazardous Waste Site (1 mile)	No	No	1
Delisted NPL (0.5 mile)	No	No	0
Federal/State/Tribal Equivalent SEMS (0.5 mile)	No	No	1
Federal SEMS Archive (0.5 mile)	No	No	0
Federal RCRA CORRACTS (1 mile)	No	No	1
Federal TSD Facility (0.5 mile)	No	No	0
Federal RCRA Generator (Subject Property/Adjoining)	No	No	0
Federal Inst./Eng. Controls (Subject Property only)	No	N/A	0
Federal ERNS (Subject Property Only)	No	N/A	0
State/Tribal Landfill or Solid Waste Facility (0.5 mile)	No	No	0
State/Tribal LUST (0.5 mile)	No	No	0
State/Tribal Registered UST (Subject Property/Adjoining Properties)	No	No	0
State/Tribal Inst./Eng. Controls (Subject Property only)	No	N/A	0
State/Tribal Voluntary Cleanup Sites (0.5 mile)	No	No	0
State/Tribal Brownfield Sites (0.5 mile)	No	No	0

Refer to the EDR report Executive Summary for abbreviation descriptions.

Supplemental Databases Selected by EP			
Supplemental Database List Name (ASTI Search Distance)	Subject Property Listing	Adjoining Property Listing	Listings in Search Distance
State/Tribal - Part 201 (1 mile)	No	Yes	10
Michigan Baseline Environmental Assessment (BEA) Sites ($\frac{1}{10}$ mile)	No	Yes	1
Historical Auto Stations ($\frac{1}{10}$ mile)	No	No	0
Dry Cleaners/Historical Cleaners ($\frac{1}{10}$ mile)	No	No	0
Additional Non-ASTM Databases (Subject Property or Adjoining Property)	Yes	Yes	N/A
Orphans	No	No	0

5.1.1 Discussion of Subject Property Listings

Site Name	6148-HT-02 Biosolids Site
Databases Listing(s)	ENVIRO
Location	No address provided
Documentation Requested	<ul style="list-style-type: none"> • WRD: Water Resources Division of EGLE
Summary of Findings	<p>The Subject Property likely received biosolid applications sourced from the Pontiac Wastewater Treatment Plant (WWTP). The application was managed by Biotech Agronomics, Inc., which was responsible for the land application of biosolids. Testing was conducted for various metals commonly associated with biosolids, including arsenic (As), cadmium (Cd), copper (Cu), lead (Pb), mercury (Hg), molybdenum (Mo), nickel (Ni), selenium (Se), zinc (Zn), as well as nutrients such as nitrogen (N), phosphorus (P), and potassium (K). A biosolids application notification was issued on May 29, 2014, though the exact date of application remains unspecified. Recently, testing for per- and polyfluoroalkyl substances (PFAS) has been initiated due to growing environmental concerns. The historical biosolid applications and the potential presence of PFAS are considered a REC.</p>

The EGLE Remediation and Redevelopment Division (RRD) maintains a listing of environmental liens that EGLE RRD has placed on properties in the State in order to recover State-led response activity costs. No EGLE RRD environmental liens were listed for the Subject Property while reviewing the online database list as of December 12, 2024 (Appendix D).

According to the EDR report, the Subject Property was not listed in the search of institutional control and engineering control registries.

5.1.2 Discussion of Sites of Potential Environmental Concern

Adjoining property listings are discussed below. For the remaining listings, ASTI considers select criteria to determine which listings represent an environmental concern to the Subject Property. The criteria include but are not limited to the following:

- Database type
- Topography relative to the Subject Property
- Direction and distance
- Soil profile identified in available sources
- Known or inferred groundwater depth and flow direction
- Status of applicable investigation
- Surface and subsurface conditions including but not limited to buildings, pavement, utility corridors, and surface water features
- Potable water source (well or municipal)

An evaluation of these criteria is completed to determine the level of risk associated with each listing. Listings with likely releases that are found to have the potential to represent an elevated or high risk are requested through FOIA to applicable agencies.

Using the referenced criteria and based upon the information in the EDR report, ASTI identified additional listings beyond adjoining properties that were considered to represent the potential to be an elevated or high risk to the Subject Property. The adjoining listings are discussed below.

Site Name	D& H Farms, DIFCO Labs (former)
Databases Listing(s)	AIRS, RGA PART 201, INVENTORY, PART 201, BEA, WDS
Location	2755 Tooley Road
Distance and Direction	East adjoining
Documentation Requested	<ul style="list-style-type: none"> • RRD: Remediation and Redevelopment Division of EGLE • MMD: Materials Management Division of EGLE • AQD: Air Quality Division of EGLE
Summary of Findings	According to emails from EGLE in 2024, a 500-gallon leaded gasoline UST was removed from D&H Farms which shared and address with Difco Labs. A UST release occurred, and it was granted regulatory closure on May 22, 1993, following the removal of the UST and impacted soil. The VSR samples were non detect

<p>Summary of Findings</p>	<p>for BTEX and lead. There were no maps or supporting documents to confirm these statements.</p> <p>ASTI reviewed a BEA completed by URS Corporation (URS) in 2004 that included a summary of environmental assessments that were conducted at the former farm/Difco Lab site between 1992 and 2000. The original BEA filing covered a 207-acre site that included the Subject Property, but it was later refined to the 8.6-acre former Difco Lab that adjoins the Subject Property to the east. URS completed subsurface investigations and reviewed reports that were completed by ENKON Environmental Service, Inc. (ENKON), Swanson Environmental, Inc. (SEI), and Radian International, LLC (Radian). It was noted that work completed by EKRON was summarized in the SEI report.</p> <p>ENKON's investigations focused on the following areas of environmental concern: a septic system leach field, a concrete pad and associated drainage ditch, a stormwater retention pond, and laboratory waste disposal pits. To investigate the concerns, ENKON collected soil and groundwater samples from several locations. Groundwater was reported to be between 10 and 12 feet bgs. The samples were analyzed for VOCs, SVOCs, and metals. No VOCs or SVOCs were detected.</p> <p>Following initial assessments by ENKON in 1992, excavation was completed and VSR samples were collected. VSR samples collected from the drain field excavation contained concentrations of arsenic and selenium exceeding GRCC. VSR samples from drainage ditch excavation contained concentrations of selenium exceeding GRCC. VSR samples from the waste disposal pit excavation contained concentrations of arsenic and selenium exceeding GRCC. Groundwater sample MW-1 contained concentrations of arsenic and lead exceeding GRCC. MW-1 was located near a stream the fed the former storm water pond.</p> <p>Beginning in 1994, SEI prepared an additional assessment to evaluate risk and to fully determine the extent of the waste disposal pits. SEI completed background samples and leach testing to achieve regulatory closure with respect to the metal impact reported by EKRON. The results of the investigation concluded that metal impacts to soil were within background levels or, in the case of selenium, exceeded background levels but did not leach at significant concentrations. The monitoring well MW-1 was resampled, and arsenic or lead were not detected. With respect to these metals' impacts, it was concluded the Part 201 Type B closure had been achieved.</p> <p>SEI identified a total of 20 potential waste disposal pits in six areas around the former lab. Following test pit exploration and assessment, approximately 6,600 cubic yards of impacts soil and waste material was excavated and disposed at a landfill. VSR</p>
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<p>Summary of Findings</p>	<p>samples were collected from the disposal pit excavation and VOCs, PNAs, and metals less than GRCC and/or method detection limits. With respect to the disposal pit, it was concluded the Part 201 residential closure had been achieved.</p> <p>Radian conducted Phase I and II ESAs in 1999 and subsequently conducted a Phase II ESA/BEA in 2000. The following concerns were identified: the former presence of a lead-gasoline UST and sediment contamination in the storm water retention pond and the associated drainage ditch. The former UST's location was somewhat unclear, but reports suggested it was removed in the 1970s and was located near a barn or north of the access drive. Radian's Phase II ESA was completed to investigate these concerns and to determine the adequacy of previously completed work by EKRON and SEI. The scope of work included the completion of nine soil borings/test pits and the installation of five groundwater monitoring wells. Samples were collected and analyzed for VOCs, SVOCs, and metals. No soil or sediment impacts were identified above GRCC. The concentration of lead in groundwater samples MW-2, MW-3, and MW-4 (5 to 49 ppb) exceeded GRCC for drinking water.</p> <p>URS completed supplement sampling in 2004. Samples were collected by the former gasoline UST and from existing monitoring wells. The samples were analyzed for a combination of lead gasoline and diesel parameters and metals. The groundwater sample MW-3 contained lead above GRCC. The other results were less than the GRCC or method detection limits. URS's BEA reported historical concentrations of the metals arsenic, selenium and mercury in soil exceeding the GRCC for DC, DWP, and/or GSIP. Lead in groundwater sample MW-3 exceeded the GRCC for drinking water. The soil impacts exceeding GRCC were reported in the former leach field, drainage ditch, and retention pond sediment. Supplemental BEA information was submitted in 2005 which emphasized that the metal concentrations were historical and could not be replicated and were considered to be "likely to be anomalous". Additional sampling was completed around MW-3 and a new sample was collected from monitoring well MW-3, all using low-flow sampling techniques and field filtering, and no lead was detected in the groundwater. It was concluded the previous detections of lead in groundwater were an anomaly.</p> <p>The BEA was submitted for the entire 207-acre site, which included the Subject Property. However, subsequent discussion with the staff at EGLE revealed that the BEA provided liability protection for the entire 207-acre site regardless of the size of the impacted area. Therefore, supplement information was provided to reduce the Part 201 "facility" designation to the 8.6-acre former Difco Lab.</p>
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Summary of Findings	<p>The Subject Property was initially included in URS’s BEA and Part 201 “facility” classification despite the lack of environmental concern and sampling. As a result of the supplemental information provided by URS, the area of the BEA was refined to exclude the Subject Property.</p> <p>Samples were collected from nearby drinking water wells and analyzed for VOCs and metals. The results did not suggest an impact from the Difco Labs.</p> <p>It was reported that the lab previously maintained two water supply wells; however, ASTI could not determine if these former wells were closed.</p>
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5.1.3 Discussion of Orphan Sites

No orphan sites were listed in the EDR Radius Map Report.

5.2 Additional Agency/Regulatory Sources

5.2.1 Local Health Department

ASTI reviewed information for the Subject Property from the Livingston County Health Department. A response was received on December 12, 2024. The provided records do not apply to the Subject Property.

5.2.2 Local Fire Department

ASTI requested information for the Subject Property from the Howell Township Fire Department. A response was not received during the completion of this report. Refer to Section 9.0 for additional information regarding data gaps.

5.2.3 Subject Property Assessor/Tax Files

ASTI requested information about the Subject Property from the Howell Township Assessing Department. A response was received on December 16, 2024. Historical and current assessing records are provided in Appendix D. No RECs were identified.

5.2.4 Building Permit/Inspections

ASTI requested information about the Subject Property from the Howell Township Building Department. A response was not received during the completion of this report. Refer to Section 9.0 for additional information regarding data gaps.

5.2.5 Zoning/Land Use Records

ASTI requested information about the Subject Property from the Howell Township Zoning Department. A zoning map was obtained on the Howell Township website and provided in Appendix D. The Subject Property is zoned AR: Agricultural-Residential District.

5.2.6 Oil and Gas Wells

Based on a review of the EGLE GeoWebFace search system and EDR report, no oil or gas wells were identified on or adjoining the Subject Property.

5.3 Historical Use Information

Reasonably ascertainable standard historical sources, as found in Section 8.3.4 of ASTM Practice E1527-21, were used to determine the previous use of the Subject Property and the surrounding area. A chronological summary of the sources used may include but is not limited to, aerial photographs, Sanborn maps, city directories, agency records, and prior environmental assessments. ASTI made a *good faith* effort to identify the obvious uses of the Subject Property from the present back to the Subject Property's first developed use, or back to 1940, whichever is earlier. *Data Failures* were encountered as part of this assessment and are discussed as data gaps in Section 9.0.

5.3.1 Aerial Photographs

ASTI reviewed aerial photographs provided by EDR. Observations are summarized in the table below. Copies of the obtained information are provided in Appendix E.

Year	Observations
1937	Subject Property: Agricultural land is evident.
	North adjoining: Agricultural land is evident.
	East adjoining: A farm is evident on the north parcel. Agricultural land is evident on the southern parcels.
	South adjoining: Agricultural and residential land is evident.
	West adjoining: Agricultural land is evident.
1949 1955	No significant changes are observed.
1967	East adjoining: The farm has expanded into a laboratory testing facility.
1975	No significant changes are observed.
1987	South adjoining: Residential properties are evident.
1992	North adjoining: A residential property is evident.
1998	West adjoining: Residential properties are evident.
	East adjoining: The farm and laboratory have been vacated. Several buildings have been demolished.
2006	East adjoining: The farm and laboratory have been demolished.

Year	Observations
2009 2012 2016 2020	No significant changes are observed.

5.3.2 Sanborn Maps

EDR conducted a search of Sanborn maps, but none were identified for the area of the Subject Property. A copy of the Sanborn No Coverage Report is provided in Appendix E.

5.3.3 City Directories

City directory research was conducted by EDR (Appendix E). The table below summarizes non-residential occupant information about the Subject Property and adjoining sites.

<u>Researched Addresses</u>	
North Adjoining: 3275-3467 Warner Road	
East Adjoining: 2755 Tooley Road, 3174-3196 Bowen Road	
South Adjoining: 3225-3353 Bowen Road	
West Adjoining: 3500-3564 Bowen Road, 3531 Warren Road	
Year	Observations
1972 1977 1983 1987	East adjoining: DH Farms Co
1992 1995 2000 2005 2010 2014 2017 2020	No listings

5.3.4 Topographic Maps

ASTI reviewed the United States Geological Survey (USGS) topographic maps provided by EDR. Observations are summarized in the table below. Copies of the obtained information are provided in Appendix E.

Year	Observations
1907	Subject Property: A dwelling is evident.
	Adjoining properties: Residential and agricultural land is evident.
1909	No significant changes are observed.
1968	Subject Property: The dwelling has been demolished.
1975	No significant changes are observed.

Year	Observations
2014	Buildings are no longer depicted on topographical maps. No RECs are observed.
2017 2019	No significant changes are observed.

5.3.5 Previous Environmental Reports

ASTI was not provided with, nor is it aware of, any previous environmental reports except for those discussed in Section 5.1.2.

5.3.6 Historical Use Summary of the Subject Property

Based on a review of the obtained historical sources, the Subject Property's former use(s) are summarized as follows.

The Subject Property has primarily been used for agricultural purposes since at least 1907. In the early 1900s, there appears to have been a dwelling, but it was demolished by 1937.

5.3.7 Historical Use Summary of the Adjoining Properties

Based on a review of the obtained historical sources, the former uses of adjoining properties are summarized as follows:

Summary of Historic Uses of Adjoining Properties	
Direction	Historical Use Summary
North	The area was farmland from at least 1937 until approximately 1992 when dwellings started being constructed in the area.
East	The area to the northeast was farmland from at least 1937 until 1963 when Difco Laboratories purchased the property to operate a small diagnostic research laboratory. Difco Laboratories primary activity was the production of antibiotic-impregnated paper disks in spring-loaded plastic dispensing cartridges. The lab closed in 1988. Associated environmental reports are discussed in Section 5.1.2 The area to the southeast was farmland from at least 1937 until approximately 1998 when dwellings started being constructed in the area.
South	The area was residential and farmland from at least 1937 until approximately 1967 when more dwellings started being constructed in the area.
West	The area was farmland from at least 1937 until approximately 1998 when dwellings started being constructed in the area.

6.0 SITE RECONNAISSANCE

6.1 Methodology and Limiting Conditions

Assessor Name and Title	Bailey Bishop, Environmental Technician
Date of Inspection	December 17, 2024
Weather Conditions	38 ° F and cloudy
Methodology	ASTI inspected the Subject Property in a meander and search pattern, including all property boundaries, adjoining properties from the Subject Property, and public access areas.
Access Limitations	Untrimmed vegetation, trees, leaves
Adverse Subject Property Conditions	None

6.2 Exterior Observations

The following table summarizes the site's exterior observations. Observed items are further discussed below.

Category	Item	Item Observed
Above Ground Hazardous Substance/Petroleum Product Storage	Drums, barrels, or containers ≥5 gallons in connection with identified uses	No
	Drums, barrels, or containers ≥5 gallons not in connection with identified uses	No
	Unidentified Substance Containers	No
	ASTs	No
Underground Hazardous Substance/Petroleum Product Storage	USTs (fill ports and/or vent pipes)	No
	Fuel dispensers	No
	Natural gas or petroleum pipelines/wells	No
Basic & Specialized Systems	Pole-mounted or pad-mounted transformers	No
	Hydraulic equipment	No
Indications of Releases or Potential Releases	Stained soil or pavement	No
	Stressed vegetation	No
	Pools of liquid	No
	Strong or pungent odors	No
	Filled Land/Soil Piles/Mounding	No
	Unregulated/Unauthorized Waste Disposal	No
	Dumpsters with Staining	No
	Monitor wells	No
Drainage & Waste Collection Systems	Pits	No
	Ponds	No
	Lagoons	No
	Sumps/Oil-Water Separators	No
	Stormwater collection basins	No
	Dry wells/crocks/cisterns	No

Items noted as unobserved do not fully warrant that these items are not present on the Subject Property, as some items may not have been readily observable.

6.3 Interior Observations

The Subject Property has no buildings; therefore, interior observations do not apply.

7.0 INTERVIEWS

7.1 Interview with Owner

An Owner Questionnaire is provided in Appendix C. According to Mr. Hohenstein, township farmlands have accepted waste-water solids in the past.

7.2 Interview with Site Manager

Refer to Section 7.1.

7.3 Interview with Occupants

The Subject Property is not currently occupied.

7.4 Interviews with Local Government Officials

Conversations with local government officials were limited to requesting department records.

7.5 Interviews with Others

No others were interviewed as part of this assessment.

8.0 DISCUSSION REGARDING POTENTIAL VAPOR MIGRATION/ENCROACHMENT

Tier 1 Non-Invasive screening aims to conduct an initial screen to determine if a vapor migration/encroachment condition (VEC) exists, likely exists, cannot be ruled out, or can be ruled out at the Subject Property.

No onsite or offsite VEC concerns were identified.

The screening process concludes that a VEC can be ruled out because a VEC does not or is not likely to exist.

9.0 DATA FAILURE AND DATA GAPS

Data gaps occur when the EP is unable to obtain the information required despite a *good-faith* effort.

Data failure is one type of data gap. According to ASTM Practice E1527-21, data failure occurs when all the standard historical sources that are *reasonably ascertainable* and likely to be useful have been reviewed and yet the objectives have not been met. Historical sources are required to document property use back to the Subject Property's first developed use or back to 1940, whichever is earlier. A data failure is considered to have occurred and is described below.

Data Gap	The Subject Property was developed prior to the earliest reasonably ascertainable standard historical source.	
Is this a significant data gap?	No	
Rationale	The first identified use was farmland and residential, which is typically the first developed use of a site. No suspect crops were identified.	

No additional data gaps were encountered during this investigation, except those listed below.

Data Gap	ASTI was unable to review potential records from the Building and Fire Departments.	
Is this a significant data gap?	No	
Rationale	Information from other sources provided sufficient information regarding past use.	

Data Gap	ASTI was unable to determine past heating fuel sources for the Subject Property. The fuel sources may have included electric, wood, coal, or fuel oil.	
Is this a significant data gap?	No	
Rationale	Although no evidence (i.e., fill ports, vent pipes, or pressure gages, etc) was found during the assessment, based on the age of the former residences, there is a potential that heating oil was used as a fuel source prior to natural gas. If a buried heating oil fuel tank is found during any redevelopment activities, the tank should be properly decommissioned with verification sampling conducted.	

10.0 FINDINGS AND OPINION

FINDINGS

Below is a summary of the findings of this Phase I ESA.

**Subject Property
Historical Summary**

The Subject Property has primarily been used for agricultural purposes since at least 1907. In the early 1900s, there appears to have been a dwelling, but it was demolished by 1937.

**Subject Property
Environmental Database Review**

Site Name	6148-HT-02 Biosolids Site
Databases Listing(s)	ENVIRO
Location	No address provided
Documentation Requested	<ul style="list-style-type: none"> • WRD: Water Resources Division of EGLE
Summary of Findings	<p>The Subject Property likely received biosolid applications sourced from the Pontiac Wastewater Treatment Plant (WWTP). The application was managed by Biotech Agronomics, Inc., which was responsible for the land application of biosolids. Testing was conducted for various metals commonly associated with biosolids, including arsenic (As), cadmium (Cd), copper (Cu), lead (Pb), mercury (Hg), molybdenum (Mo), nickel (Ni), selenium (Se), zinc (Zn), as well as nutrients such as nitrogen (N), phosphorus (P), and potassium (K). A biosolids application notification was issued on May 29, 2014, though the exact date of application remains unspecified. Recently, testing for per- and polyfluoroalkyl substances (PFAS) has been initiated due to growing environmental concerns. The historical biosolid applications and the potential presence of PFAS are considered a REC.</p>

Site Name	D& H Farms, DIFCO Labs (former)
Databases Listing(s)	AIRS, RGA PART 201, INVENTORY, PART 201, BEA, WDS
Location	2755 Tooley Road
Distance and Direction	East adjoining
Documentation Requested	<ul style="list-style-type: none"> • RRD: Remediation and Redevelopment Division of EGLE • MMD: Materials Management Division of EGLE • AQD: Air Quality Division of EGLE
Summary of Findings	<p>According to emails from EGLE in 2024, a 500-gallon leaded gasoline UST was removed from D&H Farms which shared and address with Difco Labs. A UST release occurred, and it was granted regulatory closure on May 22, 1993, following the removal</p>

<p>Summary of Findings</p>	<p>of the UST and impacted soil. The VSR samples were non detect for BTEX and lead. There were no maps or supporting documents to confirm these statements.</p> <p>ASTI reviewed a BEA completed by URS Corporation (URS) in 2004 that included a summary of environmental assessments that were conducted at the former farm/Difco Lab site between 1992 and 2000. The original BEA filing covered a 207-acre site that included the Subject Property, but it was later refined to the 8.6-acre former Difco Lab that adjoins the Subject Property to the east. URS completed subsurface investigations and reviewed reports that were completed by ENKON Environmental Service, Inc. (ENKON), Swanson Environmental, Inc. (SEI), and Radian International, LLC (Radian). It was noted that work completed by EKRON was summarized in the SEI report.</p> <p>ENKON's investigations focused on the following areas of environmental concern: a septic system leach field, a concrete pad and associated drainage ditch, a stormwater retention pond, and laboratory waste disposal pits. To investigate the concerns, ENKON collected soil and groundwater samples from several locations. Groundwater was reported to be between 10 and 12 feet bgs. The samples were analyzed for VOCs, SVOCs, and metals. No VOCs or SVOCs were detected.</p> <p>Following initial assessments by ENKON in 1992, excavation was completed and VSR samples were collected. VSR samples collected from the drain field excavation contained concentrations of arsenic and selenium exceeding GRCC. VSR samples from drainage ditch excavation contained concentrations of selenium exceeding GRCC. VSR samples from the waste disposal pit excavation contained concentrations of arsenic and selenium exceeding GRCC. Groundwater sample MW-1 contained concentrations of arsenic and lead exceeding GRCC. MW-1 was located near a stream the fed the former storm water pond.</p> <p>Beginning in 1994, SEI prepared an additional assessment to evaluate risk and to fully determine the extent of the waste disposal pits. SEI completed background samples and leach testing to achieve regulatory closure with respect to the metal impact reported by EKRON. The results of the investigation concluded that metal impacts to soil were within background levels or, in the case of selenium, exceeded background levels but did not leach at significant concentrations. The monitoring well MW-1 was resampled, and arsenic or lead were not detected. With respect to these metals' impacts, it was concluded the Part 201 Type B closure had been achieved.</p> <p>SEI identified a total of 20 potential waste disposal pits in six areas around the former lab. Following test pit exploration and assessment, approximately 6,600 cubic yards of impacts soil and</p>
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<p>Summary of Findings</p>	<p>waste material was excavated and disposed at a landfill. VSR samples were collected from the disposal pit excavation and VOCs, PNAs, and metals less than GRCC and/or method detection limits. With respect to the disposal pit, it was concluded the Part 201 residential closure had been achieved.</p> <p>Radian conducted Phase I and II ESAs in 1999 and subsequently conducted a Phase II ESA/BEA in 2000. The following concerns were identified: the former presence of a lead-gasoline UST and sediment contamination in the storm water retention pond and the associated drainage ditch. The former UST's location was somewhat unclear, but reports suggested it was removed in the 1970s and was located near a barn or north of the access drive. Radian's Phase II ESA was completed to investigate these concerns and to determine the adequacy of previously completed work by EKRON and SEI. The scope of work included the completion of nine soil borings/test pits and the installation of five groundwater monitoring wells. Samples were collected and analyzed for VOCs, SVOCs, and metals. No soil or sediment impacts were identified above GRCC. The concentration of lead in groundwater samples MW-2, MW-3, and MW-4 (5 to 49 ppb) exceeded GRCC for drinking water.</p> <p>URS completed supplement sampling in 2004. Samples were collected by the former gasoline UST and from existing monitoring wells. The samples were analyzed for a combination of lead gasoline and diesel parameters and metals. The groundwater sample MW-3 contained lead above GRCC. The other results were less than the GRCC or method detection limits. URS's BEA reported historical concentrations of the metals arsenic, selenium and mercury in soil exceeding the GRCC for DC, DWP, and/or GSIP. Lead in groundwater sample MW-3 exceeded the GRCC for drinking water. The soil impacts exceeding GRCC were reported in the former leach field, drainage ditch, and retention pond sediment. Supplemental BEA information was submitted in 2005 which emphasized that the metal concentrations were historical and could not be replicated and were considered to be "likely to be anomalous". Additional sampling was completed around MW-3 and a new sample was collected from monitoring well MW-3, all using low-flow sampling techniques and field filtering, and no lead was detected in the groundwater. It was concluded the previous detections of lead in groundwater were an anomaly.</p> <p>The BEA was submitted for the entire 207-acre site, which included the Subject Property. However, subsequent discussion with the staff at EGLE revealed that the BEA provided liability protection for the entire 207-acre site regardless of the size of the impacted area. Therefore, supplement information was provided to reduce the Part 201 "facility" designation to the 8.6-acre former Difco Lab.</p>
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Summary of Findings	<p>The Subject Property was initially included in URS's BEA and Part 201 "facility" classification despite the lack of environmental concern and sampling. As a result of the supplemental information provided by URS, the area of the BEA was refined to exclude the Subject Property.</p> <p>Samples were collected from nearby drinking water wells and analyzed for VOCs and metals. The results did not suggest an impact from the Difco Labs.</p> <p>It was reported that the lab previously maintained two water supply wells; however, ASTI could not determine if these former wells were closed.</p>
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OPINION

Based on the site inspection, interviews, regulatory and municipal records review, and review of historical documentation, the following is opined by the EP.

De Minimis Conditions

The EP did not identify any de minimis conditions associated with the Subject Property.

Significant Data Gaps

The EP did not identify any significant data gaps associated with the Subject Property.

Historical Recognized Environmental Conditions

The EP did not identify any HRECs associated with the Subject Property.

Controlled Recognized Environmental Conditions

The EP did not identify any CRECs associated with the Subject Property.

Recognized Environmental Conditions

The EP did identify RECs associated with the Subject Property.

11.0 CONCLUSIONS

We have performed a Phase I ESA in conformance with the scope and limitations of ASTM Practice E1527-21 of the Subject Property. Any exceptions to, or deletions from, this practice are described in Section 2.4 of this report.

This assessment has revealed the following recognized environmental conditions (RECs), controlled recognized environmental conditions (CRECs), and/or significant data gaps in connection with the Subject Property.

REC Opinion #1: Biosolids appear to have been applied to the Subject Property as an agricultural nutrient booster. The biosolids were applied by Biotech Agronomics, Inc. and they were sourced from the Pontiac Wastewater Treatment Plant (WWTP). The obtained biosolids application notification was issued on May 29, 2014. The biosolids were tested for arsenic, cadmium, copper, lead, mercury, molybdenum, nickel, selenium, zinc, nitrogen, phosphorus, and potassium. The biosolids do not appear to have been tested for per- and polyfluoroalkyl substance (PFAS), which is now known to be spread through biosolids from WWTPs.

REC Opinion #2: The Subject Property was initially included in a Baseline Environmental Assessment from 2004 that covered a 207-acre site formerly operated by Difco Lab. The report was revised to a smaller fraction that is about 8.6 acres. The Subject Property is not included in the revised area; however, no sampling was conducted on the Subject Property to distinguish or verify its' condition.

12.0 ADDITIONAL SERVICES

Non-Scope Considerations under Appendix X6 of ASTM Practice E1527-21 were not addressed in this investigation.

13.0 REFERENCES

The following references were used in preparing this Phase I ESA:

- Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process E1527-21

- 40 CFR Part 312: Standards and Practice for All Appropriate Inquiries; Final Rule (AAI), November 1, 2005
- EDR Radius Map Report with GeoCheck
- EDR Aerial Photo Decade Package
- EDR Certified Sanborn Map Report
- EDR-City Directory Image Report
- EDR Historical Topo Map Report
- User Questionnaire
- Owner Questionnaire
- Assessing Department
- Building Department
- Fire Department
- Zoning Department
- Health Department
- EGLE
- EGLE RRD Perfected Environmental Liens List
<https://www.michigan.gov/egle/about/organization/remediation-and-redevelopment/rrd-enforcement-perfected-lien-list>
- <http://www.deq.state.mi.us/GeoWebFace/>

14.0 SIGNATURE(S) OF ENVIRONMENTAL PROFESSIONAL(S)

I declare that, to the best of my professional knowledge and belief, I meet the definition of Environmental Professional as defined in 312.10 of 40 CFR 312.

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



Anthony Spencer

Environmental Professional

Date: January 13, 2025

Glossary

- **Business Environmental Risk:** A risk that can have a material environmental or environmentally driven impact on the business associated with the current or planned use of a parcel of commercial real estate, not necessarily limited to those environmental issues required to be investigated in ASTM Practice E1527.
- **Controlled REC:** A recognized environmental condition affecting the Subject Property that has been addressed to the satisfaction of the applicable regulatory authority or authorities with hazardous substances or petroleum products allowed to remain in place subject to implementation of required controls (for example, activity and use limitations or other property use limitations).
- **Data Gap:** A lack of or inability to obtain information required by this practice despite good faith efforts by the EP to gather such information.
- **De Minimis Condition:** De minimis conditions are conditions related to a release that generally do not present a threat to human health or the environment and that generally would not be the subject of an enforcement action if brought to the attention of appropriate governmental agencies. Conditions determined to be de minimis are not RECs or CRECs.
- **Environmental Condition:** ASTI defines an Environmental Condition as the presence or likely presence, currently or in the past, of a hazardous substance or petroleum product in, on, or at the Subject Property of which an opinion regarding the likelihood of a release to the environment is required by the Environmental Professional to determine if a REC is present.
- **Good Faith:** The absence of any intention to see an unfair advantage or to defraud another party; an honest and sincere intention to fulfill one's obligations in the conduct or transaction concerned.
- **Hazardous Substance:** A substance defined as A) any substance designated pursuant to section 1321(b)(2)(A) of Title 33, B) any element, compound, mixture, solution, or substance designated to section 9602 of this title, C) any hazardous waste having the characteristics identified under or listed pursuant to section 3001 of the RCRA Act of 1976, as amended, D) any toxic pollutant listed under section 1317(a) to Title 33, E) any hazardous air pollutant listed under section 112 of the Clean Air Act, and F) any imminently hazardous chemical substance or mixture with respect to which the Administrator of the EPA has taken action pursuant to section 2606 of Title 15.
- **Historical REC:** A previous release of hazardous substances or petroleum products affecting the Subject Property that has been addressed to the satisfaction of the applicable regulatory authority or authorities and meeting unrestricted use criteria established by the applicable regulatory authority or authorities without subjecting the Subject Property to any controls (for example, activity and use limitations or other property use limitations). HRECs are not considered to be RECs.
- **Material Threat:** An obvious threat that is likely to lead to a release and that, in the opinion of the EP, would likely result in an impact on the public health or the environment.
- **Migration:** The movement of hazardous substances or petroleum products in any form, including, for example, solid and liquid at the surface or subsurface and vapor in the subsurface.
- **Petroleum Product:** Petroleum including crude oil or any fraction thereof which is not otherwise specifically listed or designated as a hazardous substance under Subparagraphs (A) through (F) of 42 U.S.C. 9601 (14), natural gas liquids, liquefied natural gas, and synthetic gas usable for fuel (or mixtures of natural gas and such synthetic gas).
- **Practically Reviewable:** Information is provided by the source in a manner and in a form that, upon examination, yields information relevant to the Subject Property without the need for extraordinary analysis of irrelevant data.
- **Subject Property:** The real property that is the subject of the environmental assessment described in ASTM Practice E1527. The real property boundaries are defined by the User and boundaries may not be consistent with a legal parcel.
- **Reasonably Ascertainable:** Information that is (1) publicly available, (2) obtainable from its source within reasonable time and cost constraints, and (3) practically reviewable.
- **Recognized Environmental Condition:** (1) the presence of hazardous substances or petroleum products in, on, or at the Subject Property due to a release to the environment; (2) the likely presence of hazardous substances or petroleum products in, on, or at the Subject Property due to a release or likely release to the environment; or (3) the presence of hazardous substances or petroleum products in, on, or at the Subject Property under conditions that pose a material threat

of a future release to the environment. For the purposes of this definition, “likely” is that which is neither certain nor proved but can be expected or believed by a reasonable observer based on the logic and/or experience of the EP, and/or available evidence, as stated in this report to support the opinions given herein. The term REC is not intended to include de minimis conditions.

- *Release*: Spilling, leaking, pumping, pouring, emitting, discharging, injecting, escaping, leaching, dumping, or disposing into the environment.
- *Significant Data Gap*: A data gap that affects the ability of the environmental professional to identify a recognized environmental condition.

APPENDIX A

Figures

Site Location Map
Site Features Map

\\10.2.0.35\Staff Files\Project Files\Current and Closed\WANTAGEPOINT\A24-1999\A24-1988.00 4 Parcels, Trolley and Bowen Road, Howell Twp, MN\PI01 (3 Phase 1 ESA)\CAD\A24-1988-00.dwg: 12/16/2024 5:50 PM



Residential

Residential and agricultural land

Agricultural land

Residential

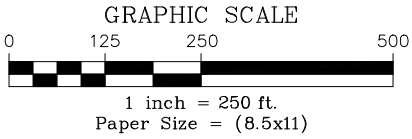
Residential

Residential

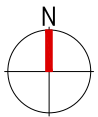
Residential

Bowen Rd

Residential



LEGEND
— Approximate Property Boundary



0 Bowen Road
(Parcel ID: 4706-21-200-020)

Howell Township, MI



Client: Jonathan Hohenstein
ASTI Project A24-1988.00, JRN, December 16, 2024

Site Features Map

APPENDIX B
Site Photographs

PHOTO LOG

Parcel 4706-21-200-020, Howell Township, Livingston County, Michigan



Photo 1. Southern Subject Property boundary, facing west



Photo 2. Southern Subject Property boundary, facing east



Photo 3. Western Subject Property boundary

PHOTO LOG

Parcel 4706-21-200-020, Howell Township, Livingston County, Michigan



Photo 4. Western woodland area, facing east



Photo 5. Western Subject Property boundary, facing north



Photo 6. Northern Subject Property boundary, facing east

PHOTO LOG

Parcel 4706-21-200-020, Howell Township, Livingston County, Michigan



Photo 7. Eastern Subject Property boundary



Photo 8. North adjoining residential yard



Photo 9. East adjoining agricultural field

PHOTO LOG

Parcel 4706-21-200-020, Howell Township, Livingston County, Michigan



Photo 10. South adjoining residence



Photo 11. West adjoining residence

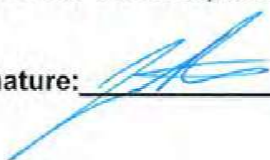
APPENDIX C

User-Provided Information and Interview Documentation

User Questionnaire
Owner Questionnaire

E1527 USER QUESTIONNAIRE

In order to qualify for one of the Landowner Liability Protections (LLPs) offered by the Small Business Liability Relief and Brownfields's Revitalization Act of 2001 (the "Brownfields Amendments"), the User must conduct the following inquiries required by 40 CRF 312.25, 312.28, 312.29, 312.30, and 312.31. Failure to provide knowledge pertaining to this information could result in a determination that "all appropriate inquiry" is not completed. Please complete this questionnaire and return via email or fax to 810-225-3800. Details regarding "yes" responses should be provided with a brief explanation in the comment section.

Respondent Name: Jonathan Hohenstein Signature: 

Date: 1/6/25

Subject Property Address: 4706-21-200-020

ASTI Project # _____

Please answer all questions to the best of your knowledge and in good faith. Please provide details on comments to "yes" responses.

	Question	Response		Comments
		Yes	No	
1	Did a search of recorded land title records identify any environmental liens filed or recorded against the property under federal, tribe, state, or local law?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
2	Did a search of recorded land title records identify any Activity and Land Use Limitations such as engineering controls, land use restrictions, or institutional controls that are in place and/or have been filed in a recorded registry under federal, tribe, state, or local law?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
3	Do you have specialized knowledge or experiences 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 process used by this type of business?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
4	Is the purchase price significantly lower than the fair market value of the property? If you conclude there is a difference, have you considered whether a lower price is due to contamination known or believed to be present?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	

Question		Response		Comments
		Yes	No	
5	Are you aware of commonly known or reasonably ascertainable information about the property that would help the environmental professional to identify conditions indicative of a release or threatened release?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
5a	Do you know past uses of the property?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Farm
5b	Do you know specific chemicals that are present or once were present at the property?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
5c	Do you know of spills or chemical releases that have occurred at the property?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
5d	Do you know of any environmental cleanups that have taken place at the Property?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
5e	Are there any obvious indicators that point to the presence or likely presence of contamination at the property?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
6	Are you aware of any prior environmental investigation reports that may be available for review?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	

ASTI Environmental Phase I ESA

OWNER QUESTIONNAIRE

Respondent Name: Jonathan Hohenstein Signature: [Signature]

Time of Association with the Property: 0 Title Treasurer

Date: 1-2-25

Phone Number and/or Email Address: 517-546-2817, treasurer@howelltownshipmi.org

Subject Property Address: 4706-21-200-020

Please answer all questions to the best of your knowledge and in good faith.

	Question	Response		Comment (Please provide for Yes responses)
		Yes	No	
1	Is the Property currently used for manufacturing or industrial use?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
2	Is an adjacent property currently used for manufacturing or industrial use?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
3	Has the property or adjoining property been used for manufacturing or industrial purposes in the past?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
4	To the best of your knowledge, has the property been used as a gas station, motor repair facility, print shop, dry cleaner, photo lab, junkyard, recycling facility, or landfill?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
5	To the best of your knowledge, has an adjacent property been used as a gas station, motor repair facility, print shop, dry cleaner, photo lab, junkyard, recycling facility, or landfill?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
6	Are there any pesticides, herbicides, automotive or industrial batteries, paints or other chemicals stored on the property (exclude those <5 gallons unless in large quantities of >25 gallons total)?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
7	Have pesticides, herbicides, or other agricultural chemicals been stored, mixed, or applied to the property?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<i>This property has been farmed for many years.</i>
8	Are there any plastic or metal drums (typically 55-gallon) located on the property?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
9	Has fill dirt from an offsite source been placed on the property that may be contaminated or from an unknown source?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
10	Has any construction debris, substances identified as hazardous substances, unidentified wastes, tires, batteries, or other wastes been dumped above grade, buried, or burned at the property?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
11	Is there any soil on the property that has been obviously stained?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
12	Does the property discharge waste water, on or adjacent to the property, other than storm water into a sewer system or retention/detention pond?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
13	Is the property served by a private well or non-public water system? Include potable and irrigation wells.	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
14	Do you know of former water (potable or irrigation) wells associated with the property?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
15	Is there currently or has there been in the past a septic system for the property?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
16	Are there or have there been in the past any pits, ponds, or lagoons associated with waste treatment or disposal on the property?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	

Question		Response		Comment (Please provide for Yes responses)
		Yes	No	
17	Are there storage tanks, above ground or underground, located on the property?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
18	In the past, have there been storage tanks, above ground or underground, located on the property?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
19	Have polychlorinated biphenyls (PCBs) been used in electrical transformers, capacitors, or other equipment at the property?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
20	Is there a transformer on the property that is not owned by a public or private utility company for which there are no records indicating the absence of PCBs?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
21	Do you have any knowledge of environmental liens or government notification relating to past or recurrent violations of environmental laws with respect to the property?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
22	Are there currently or have there been in the past any floor drains, sumps, and/or oil-water separators on the property?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
23	If yes, to question 22, do the drains/sumps discharge to the sewer system?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
24	Are you aware of the presence of asbestos-containing materials?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
25	Are you aware of the presence of lead-based paint?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
26	Is there an asbestos and/or lead-based paint Operations & Maintenance Program in place?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
27	Has the water ever been tested for lead?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
28	Has radon testing ever been conducted?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
29	Is there now or has there been evidence of mold or mildew present?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
30	<p>Are there any prior environmental investigations or helpful documents available?</p> <ul style="list-style-type: none"> -Environmental site assessment reports; -Environmental site investigation reports; -Environmental compliance audit reports; ✓-Environmental permits (for example, solid waste disposal permits, hazardous waste disposal permits, wastewater permits, NPDES permits, underground injection permits, air permits); -Registrations for underground storage tanks and aboveground storage tanks; -Registrations for underground injection systems; -Safety data sheets; -Community right-to-know plans; -Safety plans; preparedness and prevention plans; spill prevention, countermeasure, and control plans; facility response plans, etc.; -Reports regarding hydrogeologic conditions at the subject property or surrounding area; -Reports regarding any self-directed or other cleanup activities conducted at the subject property; -Notices or other correspondence from any government agency relating to past or current violations of environmental laws with respect to the subject property or relating to environmental liens encumbering the subject property; -Hazardous waste generator notices or reports; -Geotechnical studies; -Risk assessments; and -Recorded AULs. 	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Township Farm land has accepted waste water solids in the past!

Question		Response		Comment (Please provide for Yes responses)
		Yes	No	
31	Do you know of (1) any pending, threatened, or past litigation relevant to hazardous substances or petroleum products in, on, at, or from the subject property; (2) any pending, threatened, or past administrative proceedings relevant to hazardous substances or petroleum products in, on, at, or from the subject property; and (3) any notices from any governmental entity regarding any possible violation of environmental laws or possible liability relating to hazardous substances or petroleum products.	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
32	Please provide a brief description of the historical use of the property including construction dates, past operations, former buildings, etc.	Farmers' field.		

ASTI Environmental - Fax Number 810-225-3800 Phone Number 810-225-2800

APPENDIX D

Regulatory Records Documentation

Assessing Department Records

The EDR Radius Map Report with GeoCheck

EGLE RRD Perfected Lien Database Search Results

EGLE Files

Livingston County Health Department

Zoning Department Records

FOIA Request for Public Records

Michigan Freedom of Information Act, Public Act 442 of 1976, MCL 15.231, *et seq.*

Request No.: _____ Date Received: _____ Check if received via: Email Fax Other Electronic Method

(Please Print or Type)

Date delivered to junk/spam folder: _____

Date discovered in junk/spam folder: _____

Name Bailey Bishop	Phone 810-599-8012
Email Address FOIA@asti-env.com	Fax 810-225-3800
Street 10448 Citation Dr, Suite 100	
City Brighton	State MI Zip 48116

Request for: Copy Certified copy Record inspection Subscription to record issued on regular basis

Delivery Method: Will pick up Will make own copies onsite Mail to address above Email to address above

Deliver on digital media provided by the City: _____

Note: The City is not required to provide records in a digital format or on digital media if the City does not already have the technological capability to do so.

Describe the public record(s) as specifically as possible. You may use this form or attach additional sheets:

-ASTI Environmental is conducting an environmental assessment and respectfully request any:
 -Assessing Department records regarding historical and current assessing records and field sheets;
 -Building Department records regarding any building permits, site plans, sketches, code violations, and inspections;
 -Zoning Department: records regarding permits and maps; and
 -Fire Department records regarding any reports of spills/releases, above ground and underground storage tanks, landfilling, fires, code violations, and Hazmat incidents.
 We would like to go back as far as possible to present in the history of the property, if costs exceed \$50, please let me know before proceeding to FOIA@asti-env.com Thank you!

0 & 2990 Tooley Road (Parcels: 4706-22-100-001 & 4706-15-300-02) 002
 0 Bowen Road (Parcel ID: 4706-21-200-020)
 2755 Tooley Road (Parcel ID: 4706-21-200-019)

and/or any historical addresses associated

Requestor's Signature <i>Bailey Bishop</i>	Date 12/12/2024
--	-----------------

(Complete both sides)

Grantor	Grantee	Sale Price	Sale Date	Inst. Type	Terms of Sale	Liber & Page	Verified By	Prcnt. Trans.		
VANGILDER, RICHARD	HOWELL TOWNSHIP	11,000	09/29/2010	QC	21-NOT USED/OTHER	2010R-029406	DEED	100		
<p>Property Address</p> <p>BOWEN - VACANT</p> <p>Owner's Name/Address</p> <p>HOWELL TOWNSHIP 3525 BYRON RD HOWELL, MI 48855-7751</p> <p>Tax Description</p> <p>SEC. 21 T3N, R4E, COMM AT NE COR SEC 21 TH S 00A 10; 58" E 1831.67 FT TH N 89A 59' 53" W 1315.31 FT FOR POB TH S 00A 15' 37" E 828.27 FT TH N 90A W 536.20 FT TH N 00A 21' 24" W 350.00 FT TH S 89A 58' 00" W 250.07 FT TH N 00A 24' 44" W 62.53 FT TH N 89A 59' 20" W 527.87 FT TH N 00A 21' 24" W 918.96 FT TH S 89A 53' 58" E 1316.16 FT TH S 00A 17' 38" E 500.87 FT TO POB 33.1592 AC SPLIT AND COMBINED FROM -005 AND -002 4/17/2007</p>										
<p>Comments/Influences</p> <p>3-30-2023- CM- RECORD CARD REVIEW - 2022 FLIGHT.</p>										
<p>Class: RESIDENTIAL-VACAN Zoning: AR</p> <p>School: HOWELL PUBLIC SCHOOLS</p> <p>P.R.E. 0% Qual. Ag.</p> <p>MAP:</p>		<p>2025 Est TCV Tentative</p>		<p>Building Permit(s)</p>		<p>Date</p>		<p>Status</p>		
<p>Improved X Vacant</p>		<p>Land Value Estimates for Land Table 101.AGRICULTURAL</p>								
<p>Public Improvements</p> <p>X Dirt Road</p> <p>X Gravel Road</p> <p>X Paved Road</p> <p>X Storm Sewer</p> <p>Sidewalk</p> <p>Water</p> <p>Sewer</p> <p>Electric</p> <p>Gas</p> <p>Curb</p> <p>Street Lights</p> <p>Standard Utilities</p> <p>Underground Utils.</p> <p>Topography of Site</p>		<p>Description</p> <p>AG LAND 100</p> <p>AG LAND 95</p> <p>AG LAND 75</p> <p>AG LAND HIGH WOODS</p> <p>AG LAND ROW</p> <p>33.05 Total Acres</p>		<p>Depth</p> <p>1.73 Acres</p> <p>14.51 Acres</p> <p>16.40 Acres</p> <p>0.03 Acres</p> <p>0.38 Acres</p>		<p>Rate %Adj.</p> <p>7,500 100</p> <p>7,125 100</p> <p>5,625 100</p> <p>2,720 100</p> <p>0 100</p> <p>Total Est. Land Value =</p>		<p>Reason</p> <p>12,975</p> <p>103,384</p> <p>92,250</p> <p>82</p> <p>00</p> <p>208,690</p>		
<p>X Level</p> <p>Rolling</p> <p>Low</p> <p>High</p> <p>Landscaped</p> <p>Swamp</p> <p>wooded</p> <p>Pond</p> <p>waterfront</p> <p>Ravine</p> <p>wetland</p> <p>Flood Plain</p>		<p>who when what</p> <p>CAM 03/30/2023 RECORD CAR</p> <p>CAM 04/07/2021 RECORD CAR</p>		<p>Building Value</p> <p>Tentative</p> <p>EXEMPT</p> <p>0</p> <p>0</p>		<p>Assessed Value</p> <p>Tentative</p> <p>EXEMPT</p> <p>0</p> <p>0</p>		<p>Board of Review</p> <p>Tentative</p> <p>EXEMPT</p> <p>0</p> <p>0</p>	<p>Tribuna/ Other</p> <p>Tentative</p> <p>EXEMPT</p> <p>0</p> <p>0</p>	<p>Taxable Value</p> <p>Tentative</p> <p>EXEMPT</p> <p>0</p> <p>0</p>

2275 Tooley
2275 Tooley
Howell, MI 48855

Inquiry Number: 7847279.2s
December 12, 2024

The EDR Radius Map™ Report with GeoCheck®



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

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

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EXECUTIVE SUMMARY

A search of available environmental records was conducted by Environmental Data Resources, Inc (EDR). The report was designed to assist parties seeking to meet the search requirements of EPA's Standards and Practices for All Appropriate Inquiries (40 CFR Part 312), the ASTM Standard Practice for Environmental Site Assessments (E1527 - 21), the ASTM Standard Practice for Environmental Site Assessments for Forestland or Rural Property (E2247 - 16), the ASTM Standard Practice for Limited Environmental Due Diligence: Transaction Screen Process (E1528 - 22) or custom requirements developed for the evaluation of environmental risk associated with a parcel of real estate.

TARGET PROPERTY INFORMATION

ADDRESS

2275 TOOLEY
HOWELL, MI 48855

COORDINATES

Latitude (North): 42.6419230 - 42° 38' 30.92"
Longitude (West): 83.9694230 - 83° 58' 9.92"
Universal Transverse Mercator: Zone 17
UTM X (Meters): 256550.6
UTM Y (Meters): 4725113.0
Elevation: 872 ft. above sea level

USGS TOPOGRAPHIC MAP ASSOCIATED WITH TARGET PROPERTY

Target Property Map: 14450136 OAK GROVE, MI
Version Date: 2019

South Map: 14468151 HOWELL, MI
Version Date: 2019

Southwest Map: 14450264 PARKERS CORNERS, MI
Version Date: 2019

Northwest Map: 14450214 FOWLerville, MI
Version Date: 2019

AERIAL PHOTOGRAPHY IN THIS REPORT

Portions of Photo from: 20200701
Source: USDA

MAPPED SITES SUMMARY

Target Property Address:
2275 TOOLEY
HOWELL, MI 48855

Click on Map ID to see full detail.

MAP ID	SITE NAME	ADDRESS	DATABASE ACRONYMS	RELATIVE ELEVATION	DIST (ft. & mi.) DIRECTION
Reg	SHIAWASSEE RIVER	2440 W HIGHLAND ROAD	NPL, SEMS, US ENG CONTROLS, US INST CONTROLS, PRP	Same	1 ft.
A1	D & H FARMS	2755 TOOLEY ROAD	AIRS	Higher	1 ft.
2	6148-HT-02 BIOSOLIDS		ENVIRO	Higher	1 ft.
B3	6243-SHIAWASSEE RIVE		ENVIRO	Lower	1 ft.
A4	DIFCO LABS (FORMER)	2755 TOOLEY ROAD	RGA PART 201	Higher	1 ft.
B5	3521-SHIAWASSEE RIVE		ENVIRO	Lower	1 ft.
A6	DIFCO LABS (FORMER)	2755 TOOLEY ROAD	INVENTORY, PART 201, BEA, WDS	Higher	1 ft.
7	KNIAHYNKYCKY-LIVINGST	TOOLEY ROAD	ENVIRO	Higher	1 ft.
8	LIVINGSTON COUNTY AI	3399 COUNTY AIRPORT	INVENTORY, PART 201, PFAS, NPDES	Higher	2142, 0.406, SSW
9	4020 WEST GRAND RIVE	4020 WEST GRAND RIVE	INVENTORY, PART 201, BEA	Higher	3253, 0.616, WSW
10	3995 W. GRAND RIVER	3995 W. GRAND RIVER	PART 201, INVENTORY	Higher	3353, 0.635, WSW
11	3845 WEST GRAND RIVE	3845 WEST GRAND RIVE	INVENTORY, PART 201, BEA	Higher	3370, 0.638, SW
12	BIG BARNEY'S	2200 NORTH BURKHART	INVENTORY, PART 201, BEA, WDS	Higher	3671, 0.695, SW
13	ROOTO CORP	3505 WEST GRAND RIVE	SEMS, CORRACTS, RCRA-VSQQ, BROWNFIELDS, PART 201	Higher	4411, 0.835, SSW
14	TELEDYNE HOWELL - PE	3333 W GRAND RIVER	INVENTORY, PART 201, AIRS, BEA, WDS	Higher	4634, 0.878, SSW
15	CITIZENS INSURANCE C	1800 N BURKHART RD	LUST, UST, INVENTORY, PART 201, BEA	Higher	5042, 0.955, SW
C16	LUCY ROAD RESOURCES	2440 W HIGHLAND RD	INVENTORY, PART 201, BEA, WDS, ENVIRO	Higher	5228, 0.990, SSE
C17	SHIAWASSEE RIVER	2440 W HIGHLAND ROAD	ROD, PFAS NPL	Higher	5228, 0.990, SSE

EXECUTIVE SUMMARY

TARGET PROPERTY SEARCH RESULTS

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

DATABASES WITH NO MAPPED SITES

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

STANDARD ENVIRONMENTAL RECORDS

Lists of Federal NPL (Superfund) sites

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

Lists of Federal Delisted NPL sites

Delisted NPL..... National Priority List Deletions

Lists of Federal sites subject to CERCLA removals and CERCLA orders

FEDERAL FACILITY..... Federal Facility Site Information listing

Lists of Federal CERCLA sites with NFRAP

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

Lists of Federal RCRA TSD facilities

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

Lists of Federal RCRA generators

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

Federal ERNS list

ERNS..... Emergency Response Notification System

Lists of state- and tribal hazardous waste facilities

SHWS..... This state does not maintain a SHWS list. See the Federal CERCLIS list and Federal
NPL list.

EXECUTIVE SUMMARY

Lists of state and tribal landfills and solid waste disposal facilities

SWF/LF..... Solid Waste Facilities Database

Lists of state and tribal leaking storage tanks

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

Lists of state and tribal registered storage tanks

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

State and tribal institutional control / engineering control registries

AUL..... Engineering and Institutional Controls

Lists of state and tribal voluntary cleanup sites

INDIAN VCP..... Voluntary Cleanup Priority Listing

Lists of state and tribal brownfield sites

BROWNFIELDS..... Brownfields and UST Site Database

ADDITIONAL ENVIRONMENTAL RECORDS

Local Brownfield lists

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

Local Lists of Landfill / Solid Waste Disposal Sites

SWRCY..... Recycling Facilities
HIST LF..... Inactive Solid Waste Facilities
INDIAN ODI..... Report on the Status of Open Dumps on Indian Lands
DEBRIS REGION 9..... Torres Martinez Reservation Illegal Dump Site Locations
ODI..... Open Dump Inventory
IHS OPEN DUMPS..... Open Dumps on Indian Land

Local Lists of Hazardous waste / Contaminated Sites

US HIST CDL..... Delisted National Clandestine Laboratory Register
CDL..... Clandestine Drug Lab Listing
DEL PART 201..... Delisted List of Contaminated Sites
US CDL..... National Clandestine Laboratory Register

Local Land Records

LIENS..... Lien List

EXECUTIVE SUMMARY

LIENS 2..... CERCLA Lien Information

Records of Emergency Release Reports

HMIRS..... Hazardous Materials Information Reporting System
SPILLS..... Pollution Emergency Alerting System

Other Ascertainable Records

RCRA NonGen / NLR..... RCRA - Non Generators / No Longer Regulated
FUDS..... Formerly Used Defense Sites
DOD..... Department of Defense Sites
SCRD DRYCLEANERS..... State Coalition for Remediation of Drycleaners Listing
US FIN ASSUR..... Financial Assurance Information
EPA WATCH LIST..... EPA WATCH LIST
2020 COR ACTION..... 2020 Corrective Action Program List
TSCA..... Toxic Substances Control Act
TRIS..... Toxic Chemical Release Inventory System
SSTS..... Section 7 Tracking Systems
RMP..... Risk Management Plans
RAATS..... RCRA Administrative Action Tracking System
PADS..... PCB Activity Database System
ICIS..... Integrated Compliance Information System
FTTS..... FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)
MLTS..... Material Licensing Tracking System
COAL ASH DOE..... Steam-Electric Plant Operation Data
COAL ASH EPA..... Coal Combustion Residues Surface Impoundments List
PCB TRANSFORMER..... PCB Transformer Registration Database
RADINFO..... Radiation Information Database
HIST FTTS..... FIFRA/TSCA Tracking System Administrative Case Listing
DOT OPS..... Incident and Accident Data
CONSENT..... Superfund (CERCLA) Consent Decrees
INDIAN RESERV..... Indian Reservations
FUSRAP..... Formerly Utilized Sites Remedial Action Program
UMTRA..... Uranium Mill Tailings Sites
LEAD SMELTERS..... Lead Smelter Sites
US AIRS..... Aerometric Information Retrieval System Facility Subsystem
US MINES..... Mines Master Index File
ABANDONED MINES..... Abandoned Mines
MINES MRDS..... Mineral Resources Data System
FINDS..... Facility Index System/Facility Registry System
ECHO..... Enforcement & Compliance History Information
UXO..... Unexploded Ordnance Sites
DOCKET HWC..... Hazardous Waste Compliance Docket Listing
FUELS PROGRAM..... EPA Fuels Program Registered Listing
PFAS NPL..... Superfund Sites with PFAS Detections Information
PFAS FEDERAL SITES..... Federal Sites PFAS Information
PFAS TSCA..... PFAS Manufacture and Imports Information
PFAS TRIS..... List of PFAS Added to the TRI
PFAS RCRA MANIFEST..... PFAS Transfers Identified In the RCRA Database Listing
PFAS ATSDR..... PFAS Contamination Site Location Listing
PFAS WQP..... Ambient Environmental Sampling for PFAS
PFAS NPDES..... Clean Water Act Discharge Monitoring Information
PFAS PROJECT..... NORTHEASTERN UNIVERSITY PFAS PROJECT

EXECUTIVE SUMMARY

PFAS ECHO.....	Facilities in Industries that May Be Handling PFAS Listing
PFAS ECHO FIRE TRAIN....	Facilities in Industries that May Be Handling PFAS Listing
PFAS PT 139 AIRPORT.....	All Certified Part 139 Airports PFAS Information Listing
AQUEOUS FOAM NRC.....	Aqueous Foam Related Incidents Listing
BIOSOLIDS.....	ICIS-NPDES Biosolids Facility Data
UST FINDER RELEASE.....	UST Finder Releases Database
UST FINDER.....	UST Finder Database
E MANIFEST.....	Hazardous Waste Electronic Manifest System
PFAS.....	PFAS Contaminated Sites Listing
AQUEOUS FOAM.....	Aqueous Film Foam Listing
ASBESTOS.....	ASBESTOS
COAL ASH.....	Coal Ash Disposal Sites
DRYCLEANERS.....	Drycleaning Establishments
Financial Assurance.....	Financial Assurance Information Listing
LEAD.....	Lead Information Registry Listing
LEAD.....	Lead Information Registry Listing
MANIFEST.....	Hazardous Waste Manifest Data
NPDES.....	List of Active NPDES Permits
UIC.....	Underground Injection Wells Database
SSCUP.....	State Owned Sites Cleanup Program List

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

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

SURROUNDING SITES: SEARCH RESULTS

Surrounding sites were identified in the following databases.

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

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

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

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

EXECUTIVE SUMMARY

STANDARD ENVIRONMENTAL RECORDS

Lists of Federal NPL (Superfund) sites

NPL: Also known as Superfund, the National Priority List database is a subset of CERCLIS and identifies over 1,200 sites for priority cleanup under the Superfund program. The source of this database is the U.S. EPA.

A review of the NPL list, as provided by EDR, and dated 09/25/2024 has revealed that there is 1 NPL site within approximately 1 mile of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
SHIAWASSEE RIVER Cerclis ID:: 503020 EPA Id: MID980794473	2440 W HIGHLAND ROAD	0 - 1/8 (0.000 mi.)	0	8

Lists of Federal sites subject to CERCLA removals and CERCLA orders

SEMS: 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.

A review of the SEMS list, as provided by EDR, and dated 09/25/2024 has revealed that there is 1 SEMS site within approximately 0.5 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
SHIAWASSEE RIVER Site ID: 0503020 EPA Id: MID980794473	2440 W HIGHLAND ROAD	0 - 1/8 (0.000 mi.)	0	8

Lists of Federal RCRA facilities undergoing Corrective Action

CORRACTS: CORRACTS is a list of handlers with RCRA Corrective Action Activity. This report shows which nationally-defined corrective action core events have occurred for every handler that has had corrective action activity.

A review of the CORRACTS list, as provided by EDR, and dated 09/16/2024 has revealed that there is 1 CORRACTS site within approximately 1 mile of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
ROOTO CORP EPA ID:: MID058805367	3505 WEST GRAND RIVE	SSW 1/2 - 1 (0.835 mi.)	13	32

EXECUTIVE SUMMARY

Federal institutional controls / engineering controls registries

US ENG CONTROLS: A listing of sites with engineering controls in place.

A review of the US ENG CONTROLS list, as provided by EDR, and dated 07/24/2024 has revealed that there is 1 US ENG CONTROLS site within approximately 0.5 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
SHIAWASSEE RIVER EPA ID:: MID980794473 EPA ID:: MID980794473	2440 W HIGHLAND ROAD	0 - 1/8 (0.000 mi.)	0	8

US INST 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.

A review of the US INST CONTROLS list, as provided by EDR, and dated 07/24/2024 has revealed that there is 1 US INST CONTROLS site within approximately 0.5 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
SHIAWASSEE RIVER EPA ID:: MID980794473	2440 W HIGHLAND ROAD	0 - 1/8 (0.000 mi.)	0	8

ADDITIONAL ENVIRONMENTAL RECORDS

Local Lists of Hazardous waste / Contaminated Sites

INVENTORY: The Inventory of Facilities has three data sources: Facilities under Part 201, Environmental Remediation, of the Natural Resources and Environmental Protection Act, 1994 PA 451, as amended (NREPA) identified through state funded or private party response activities (Projects); Facilities under Part 213, Leaking Underground Storage Tanks of the NREPA; and Facilities identified through submittals of Baseline Environmental Assessments (BEA) submitted pursuant to Part 201 or Part 213 of the NREPA. The Part 201 Projects Inventory does not include all of the facilities that are subject to regulation under Part 201 because owners are not required to inform the Department of Environmental Quality (DEQ) about the facilities and can pursue cleanup independently. Facilities that are not known to DEQ are not on the Inventory, nor are locations with releases that resulted in low environmental impact. Part 213 facilities listed here may have more than one release; a list of releases for which corrective actions have been completed and list of releases for which corrective action has not been completed is located on the Leaking Underground Storage Tanks Site Search webpage. The DEQ may or may not have reviewed and concurred with the conclusion that the corrective actions described in a closure report meets criteria. A BEA is a document that new or prospective property owners/operations disclose to the DEQ identifying the property as a facility pursuant to Part 201 and Part 213. The Inventory of BEA Facilities overlaps in part with the Part 201 Projects facilities and Part 213 facilities. There may be more than one BEA for each facility.

A review of the INVENTORY list, as provided by EDR, and dated 07/15/2024 has revealed that there are 2 INVENTORY sites within approximately 0.5 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
DIFCO LABS (FORMER)	2755 TOOLEY ROAD	0 - 1/8 (0.000 mi.)	A6	22

EXECUTIVE SUMMARY

Facility ID: 47000219

LIVINGSTON COUNTY AI

3399 COUNTY AIRPORT

SSW 1/4 - 1/2 (0.406 mi.)

8

Facility ID: 47000366

PART 201: A Part 201 Listed site is a location that has been evaluated and scored by the DEQ using the Part 201 scoring model. The location is or includes a "facility" as defined by Part 201, where there has been a release of a hazardous substance(s) in excess of the Part 201 residential criteria, and/or where corrective actions have not been completed under Part 201 to meet the applicable cleanup criteria for unrestricted residential use. The Part 201 List does not include all of the sites of contamination that are subject to regulation under Part 201 because owners are not required to inform the DEQ about the sites and can pursue cleanup independently. Sites of environmental contamination that are not known to DEQ are not on the list, nor are sites with releases that resulted in low environmental impact.

A review of the PART 201 list, as provided by EDR, and dated 07/15/2024 has revealed that there are 10 PART 201 sites within approximately 1 mile of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
DIFCO LABS (FORMER) Facility Status: Evaluation in progress Facility ID: 47000219	2755 TOOLEY ROAD	0 - 1/8 (0.000 mi.)	A6	22
LIVINGSTON COUNTY AI Facility ID: 47000366	3399 COUNTY AIRPORT	SSW 1/4 - 1/2 (0.406 mi.)	8	24
4020 WEST GRAND RIVE Facility ID: 47000369	4020 WEST GRAND RIVE	WSW 1/2 - 1 (0.616 mi.)	9	26
3995 W. GRAND RIVER Facility ID: 47000317	3995 W. GRAND RIVER	WSW 1/2 - 1 (0.635 mi.)	10	27
3845 WEST GRAND RIVE Facility ID: 47000316	3845 WEST GRAND RIVE	SW 1/2 - 1 (0.638 mi.)	11	28
BIG BARNEY'S Facility Status: Inactive - no actions taken to address contamination Facility ID: 47000245	2200 NORTH BURKHART	SW 1/2 - 1 (0.695 mi.)	12	30
ROOTO CORP Facility Status: Contact Lead Division for current status Facility ID: 47000026	3505 WEST GRAND RIVE	SSW 1/2 - 1 (0.835 mi.)	13	32
TELEDYNE HOWELL - PE Facility Status: Interim Response in progress Facility ID: 47000149	3333 W GRAND RIVER	SSW 1/2 - 1 (0.878 mi.)	14	56
CITIZENS INSURANCE C Facility Status: Interim Response conducted - No further activities anticipated Facility ID: 47000212	1800 N BURKHART RD	SW 1/2 - 1 (0.955 mi.)	15	63
LUCY ROAD RESOURCES Facility Status: Evaluation in progress Facility ID: 47000027	2440 W HIGHLAND RD	SSE 1/2 - 1 (0.990 mi.)	C16	68

EXECUTIVE SUMMARY

Other Ascertainable Records

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

A review of the ROD list, as provided by EDR, and dated 10/24/2024 has revealed that there is 1 ROD site within approximately 1 mile of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
SHIAWASSEE RIVER	2440 W HIGHLAND ROAD	SSE 1/2 - 1 (0.990 mi.)	C17	72

PRP: A listing of verified Potentially Responsible Parties

A review of the PRP list, as provided by EDR, and dated 09/19/2023 has revealed that there is 1 PRP site within approximately 0.001 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
SHIAWASSEE RIVER	2440 W HIGHLAND ROAD	0 - 1/8 (0.000 mi.)	0	8

AIRS: Permit and emissions inventory data.

A review of the AIRS list, as provided by EDR, and dated 09/12/2024 has revealed that there is 1 AIRS site within approximately 0.001 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
D & H FARMS State Registration Id: M3646	2755 TOOLEY ROAD	0 - 1/8 (0.000 mi.)	A1	19

BEA: A BEA is a document that new or prospective property owners/operations disclose to the DEQ identifying the property as a facility pursuant to Part 201 and Part 213. The Inventory of BEA Facilities overlaps in part with the Part 201 Projects facilities and Part 213 facilities. There may be more than one BEA for each facility.

A review of the BEA list, as provided by EDR, and dated 08/15/2024 has revealed that there is 1 BEA site within approximately 0.5 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
DIFCO LABS (FORMER)	2755 TOOLEY ROAD	0 - 1/8 (0.000 mi.)	A6	22

WDS: The Waste Data System (WDS) tracks activities at facilities regulated by the Solid Waste, Scrap Tire, Hazardous Waste, and Liquid Industrial Waste programs.

A review of the WDS list, as provided by EDR, and dated 12/08/2023 has revealed that there is 1 WDS site within approximately 0.001 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
DIFCO LABS (FORMER)	2755 TOOLEY ROAD	0 - 1/8 (0.000 mi.)	A6	22

EXECUTIVE SUMMARY

Site Id: MIG000021667
WMD Id: 452461

ENVIRO: MiEnviro is permitting and compliance for air quality and water resources, including National Pollutant Discharge Elimination System (NPDES), storm water, groundwater discharge, aquatic nuisance control, Part 41 construction, medical waste registrations, and land and water interface permits.

A review of the ENVIRO list, as provided by EDR, and dated 06/28/2024 has revealed that there are 4 ENVIRO sites within approximately 0.001 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
6148-HT-02 BIOSOLIDS		0 - 1/8 (0.000 mi.)	2	20
KNIAHYNYCKY-LIVINGST	TOOLEY ROAD	0 - 1/8 (0.000 mi.)	7	24
<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
6243-SHIAWASSEE RIVE		0 - 1/8 (0.000 mi.)	B3	21
3521-SHIAWASSEE RIVE		0 - 1/8 (0.000 mi.)	B5	21

EDR RECOVERED GOVERNMENT ARCHIVES

Exclusive Recovered Govt. Archives

RGA PART 201: The EDR Recovered Government Archive State Hazardous Waste database provides a list of SHWS incidents derived from historical databases and includes many records that no longer appear in current government lists. Compiled from Records formerly available from the Department of Environmental Quality in Michigan.

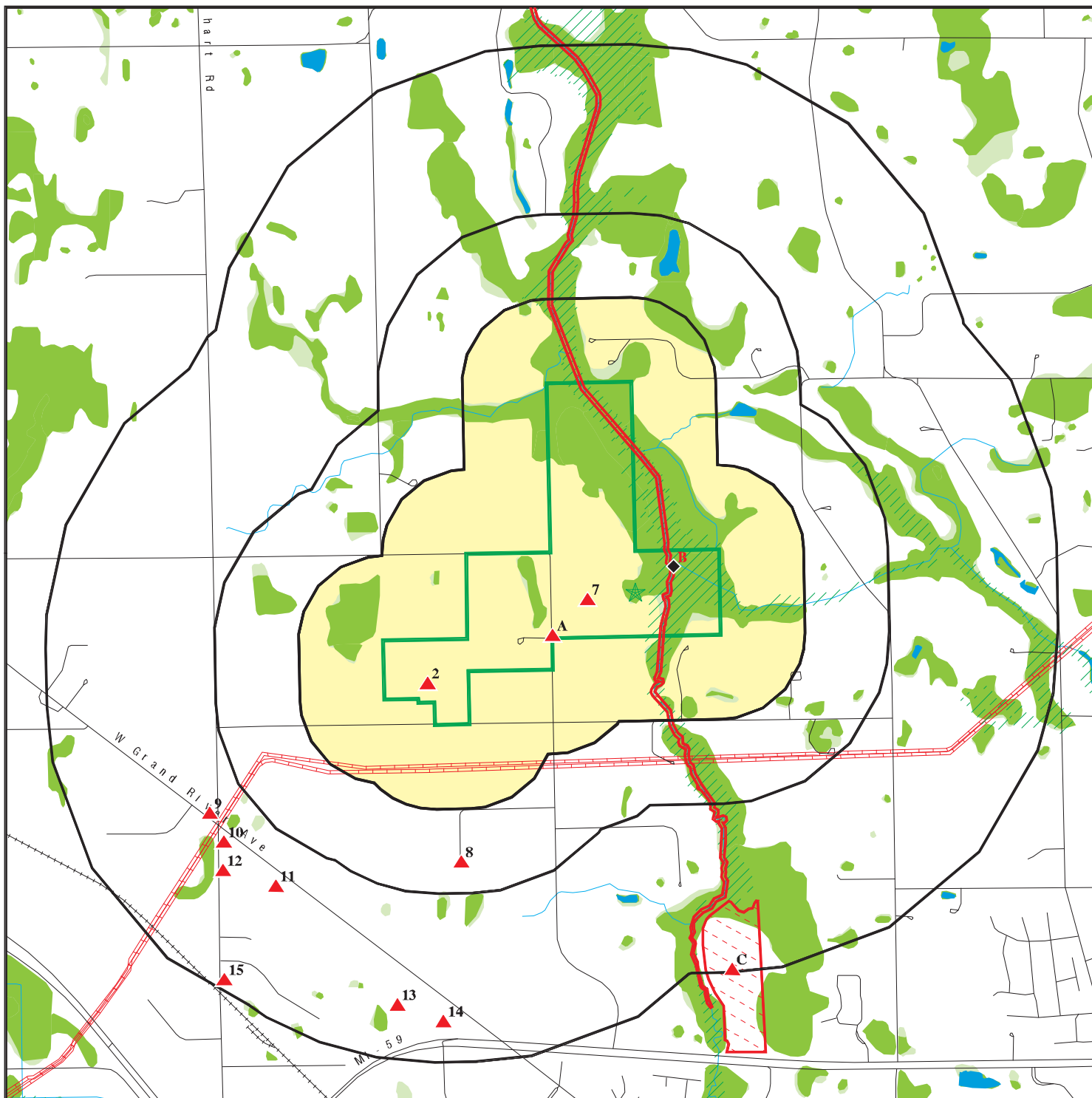
A review of the RGA PART 201 list, as provided by EDR, has revealed that there is 1 RGA PART 201 site within approximately 0.001 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
DIFCO LABS (FORMER) Facility ID: 4700021 Facility ID: 47000219	2755 TOOLEY ROAD	0 - 1/8 (0.000 mi.)	A4	21

EXECUTIVE SUMMARY

There were no unmapped sites in this report.

OVERVIEW MAP - 7847279.2S



Target Property

Sites at elevations higher than or equal to the target property

Sites at elevations lower than the target property

Manufactured Gas Plants

National Priority List Sites

Dept. Defense Sites

Indian Reservations BIA

Pipelines

Special Flood Hazard Area (1%)

0.2% Annual Chance Flood Hazard

National Wetland Inventory

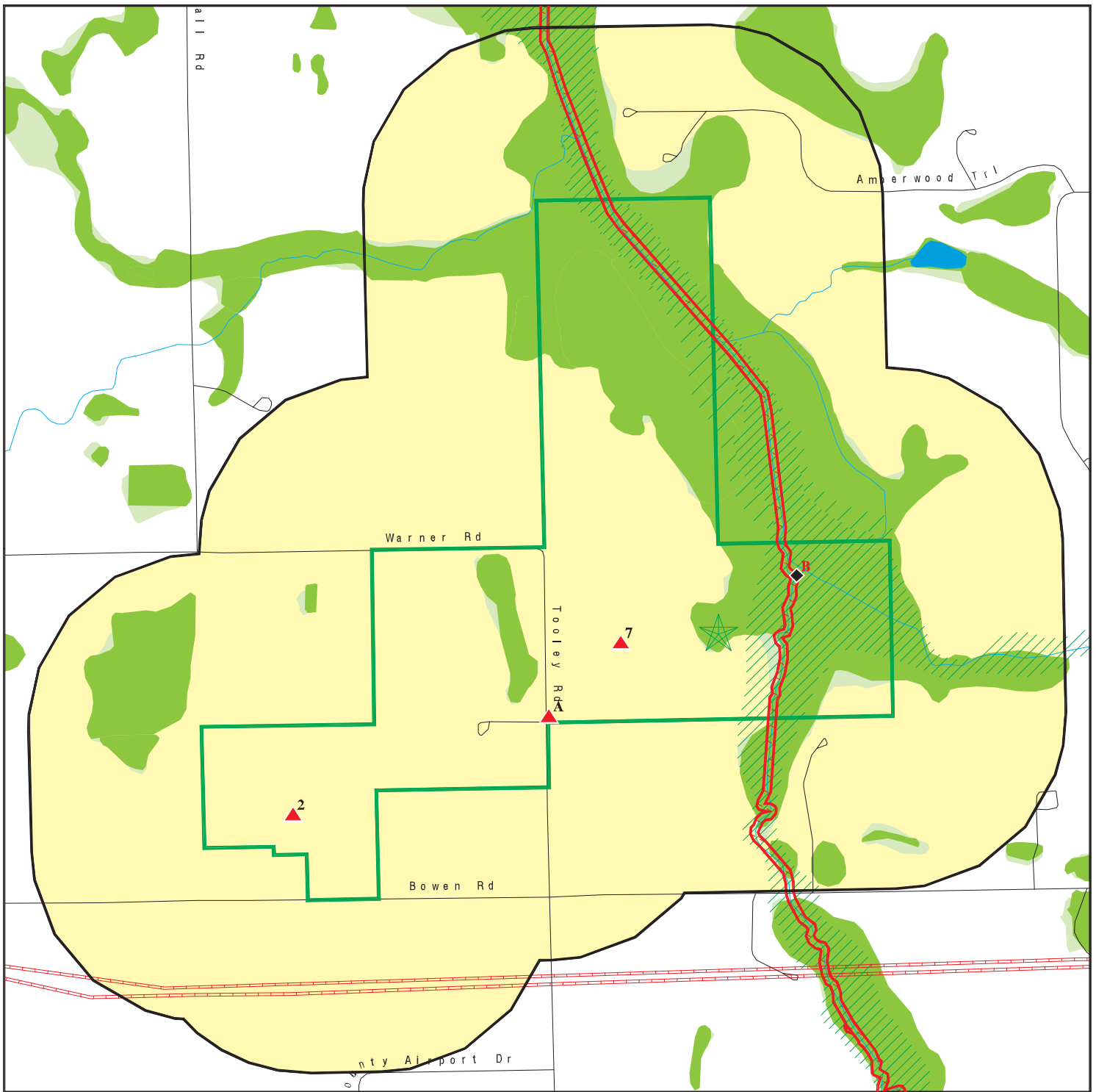
State Wetlands








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


SITE NAME: 2275 Tooley
 ADDRESS: 2275 Tooley
 Howell MI 48855
 LAT/LONG: 42.641923 / 83.969423

CLIENT: Applied Science & Technology
 CONTACT: Bailey Bishop
 INQUIRY #: 7847279.2s
 DATE: December 12, 2024 3:05 pm

DETAIL MAP - 7847279.2S



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

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

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

SITE NAME: 2275 Tooley
 ADDRESS: 2275 Tooley
 Howell MI 48855
 LAT/LONG: 42.641923 / 83.969423

CLIENT: Applied Science & Technology
 CONTACT: Bailey Bishop
 INQUIRY #: 7847279.2s
 DATE: December 12, 2024 3:05 pm

MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
STANDARD ENVIRONMENTAL RECORDS								
<i>Lists of Federal NPL (Superfund) sites</i>								
NPL	1.000		1	0	0	0	NR	1
Proposed NPL	1.000		0	0	0	0	NR	0
NPL LIENS	1.000		0	0	0	0	NR	0
<i>Lists of Federal Delisted NPL sites</i>								
Delisted NPL	1.000		0	0	0	0	NR	0
<i>Lists of Federal sites subject to CERCLA removals and CERCLA orders</i>								
FEDERAL FACILITY	0.500		0	0	0	NR	NR	0
SEMS	0.500		1	0	0	NR	NR	1
<i>Lists of Federal CERCLA sites with NFRAP</i>								
SEMS-ARCHIVE	0.500		0	0	0	NR	NR	0
<i>Lists of Federal RCRA facilities undergoing Corrective Action</i>								
CORRACTS	1.000		0	0	0	1	NR	1
<i>Lists of Federal RCRA TSD facilities</i>								
RCRA-TSDF	0.500		0	0	0	NR	NR	0
<i>Lists of Federal RCRA generators</i>								
RCRA-LQG	0.250		0	0	NR	NR	NR	0
RCRA-SQG	0.250		0	0	NR	NR	NR	0
RCRA-VSQG	0.250		0	0	NR	NR	NR	0
<i>Federal institutional controls / engineering controls registries</i>								
LUCIS	0.500		0	0	0	NR	NR	0
US ENG CONTROLS	0.500		1	0	0	NR	NR	1
US INST CONTROLS	0.500		1	0	0	NR	NR	1
<i>Federal ERNS list</i>								
ERNS	0.001		0	NR	NR	NR	NR	0
<i>Lists of state- and tribal hazardous waste facilities</i>								
SHWS	1.000		0	0	0	0	NR	0
<i>Lists of state and tribal landfills and solid waste disposal facilities</i>								
SWF/LF	0.500		0	0	0	NR	NR	0
<i>Lists of state and tribal leaking storage tanks</i>								
LUST	0.500		0	0	0	NR	NR	0

MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
INDIAN LUST	0.500		0	0	0	NR	NR	0
<i>Lists of state and tribal registered storage tanks</i>								
FEMA UST	0.250		0	0	NR	NR	NR	0
UST	0.250		0	0	NR	NR	NR	0
AST	0.250		0	0	NR	NR	NR	0
INDIAN UST	0.250		0	0	NR	NR	NR	0
<i>State and tribal institutional control / engineering control registries</i>								
AUL	0.500		0	0	0	NR	NR	0
<i>Lists of state and tribal voluntary cleanup sites</i>								
INDIAN VCP	0.500		0	0	0	NR	NR	0
<i>Lists of state and tribal brownfield sites</i>								
BROWNFIELDS	0.500		0	0	0	NR	NR	0
<u>ADDITIONAL ENVIRONMENTAL RECORDS</u>								
<i>Local Brownfield lists</i>								
US BROWNFIELDS	0.500		0	0	0	NR	NR	0
<i>Local Lists of Landfill / Solid Waste Disposal Sites</i>								
SWRCY	0.500		0	0	0	NR	NR	0
HIST LF	0.500		0	0	0	NR	NR	0
INDIAN ODI	0.500		0	0	0	NR	NR	0
DEBRIS REGION 9	0.500		0	0	0	NR	NR	0
ODI	0.500		0	0	0	NR	NR	0
IHS OPEN DUMPS	0.500		0	0	0	NR	NR	0
<i>Local Lists of Hazardous waste / Contaminated Sites</i>								
US HIST CDL	0.001		0	NR	NR	NR	NR	0
INVENTORY	0.500		1	0	1	NR	NR	2
PART 201	1.000		1	0	1	8	NR	10
CDL	0.001		0	NR	NR	NR	NR	0
DEL PART 201	1.000		0	0	0	0	NR	0
US CDL	0.001		0	NR	NR	NR	NR	0
<i>Local Land Records</i>								
LIENS	0.001		0	NR	NR	NR	NR	0
LIENS 2	0.001		0	NR	NR	NR	NR	0
<i>Records of Emergency Release Reports</i>								
HMIRS	0.001		0	NR	NR	NR	NR	0
SPILLS	0.001		0	NR	NR	NR	NR	0
<i>Other Ascertainable Records</i>								
RCRA NonGen / NLR	0.250		0	0	NR	NR	NR	0

MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
FUDS	1.000		0	0	0	0	NR	0
DOD	1.000		0	0	0	0	NR	0
SCRD DRYCLEANERS	0.500		0	0	0	NR	NR	0
US FIN ASSUR	0.001		0	NR	NR	NR	NR	0
EPA WATCH LIST	0.001		0	NR	NR	NR	NR	0
2020 COR ACTION	0.250		0	0	NR	NR	NR	0
TSCA	0.001		0	NR	NR	NR	NR	0
TRIS	0.001		0	NR	NR	NR	NR	0
SSTS	0.001		0	NR	NR	NR	NR	0
ROD	1.000		0	0	0	1	NR	1
RMP	0.001		0	NR	NR	NR	NR	0
RAATS	0.001		0	NR	NR	NR	NR	0
PRP	0.001		1	NR	NR	NR	NR	1
PADS	0.001		0	NR	NR	NR	NR	0
ICIS	0.001		0	NR	NR	NR	NR	0
FTTS	0.001		0	NR	NR	NR	NR	0
MLTS	0.001		0	NR	NR	NR	NR	0
COAL ASH DOE	0.001		0	NR	NR	NR	NR	0
COAL ASH EPA	0.500		0	0	0	NR	NR	0
PCB TRANSFORMER	0.001		0	NR	NR	NR	NR	0
RADINFO	0.001		0	NR	NR	NR	NR	0
HIST FTTS	0.001		0	NR	NR	NR	NR	0
DOT OPS	0.001		0	NR	NR	NR	NR	0
CONSENT	1.000		0	0	0	0	NR	0
INDIAN RESERV	1.000		0	0	0	0	NR	0
FUSRAP	1.000		0	0	0	0	NR	0
UMTRA	0.500		0	0	0	NR	NR	0
LEAD SMELTERS	0.001		0	NR	NR	NR	NR	0
US AIRS	0.001		0	NR	NR	NR	NR	0
US MINES	0.250		0	0	NR	NR	NR	0
ABANDONED MINES	0.250		0	0	NR	NR	NR	0
MINES MRDS	0.250		0	0	NR	NR	NR	0
FINDS	0.001		0	NR	NR	NR	NR	0
ECHO	0.001		0	NR	NR	NR	NR	0
UXO	1.000		0	0	0	0	NR	0
DOCKET HWC	0.001		0	NR	NR	NR	NR	0
FUELS PROGRAM	0.250		0	0	NR	NR	NR	0
PFAS NPL	0.250		0	0	NR	NR	NR	0
PFAS FEDERAL SITES	0.250		0	0	NR	NR	NR	0
PFAS TSCA	0.250		0	0	NR	NR	NR	0
PFAS TRIS	0.250		0	0	NR	NR	NR	0
PFAS RCRA MANIFEST	0.250		0	0	NR	NR	NR	0
PFAS ATSDR	0.250		0	0	NR	NR	NR	0
PFAS WQP	0.250		0	0	NR	NR	NR	0
PFAS NPDES	0.250		0	0	NR	NR	NR	0
PFAS PROJECT	0.250		0	0	NR	NR	NR	0
PFAS ECHO	0.250		0	0	NR	NR	NR	0
PFAS ECHO FIRE TRAIN	0.250		0	0	NR	NR	NR	0
PFAS PT 139 AIRPORT	0.250		0	0	NR	NR	NR	0
AQUEOUS FOAM NRC	0.250		0	0	NR	NR	NR	0
BIOSOLIDS	0.001		0	NR	NR	NR	NR	0

MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
UST FINDER RELEASE	0.500		0	0	0	NR	NR	0
UST FINDER	0.250		0	0	NR	NR	NR	0
E MANIFEST	0.250		0	0	NR	NR	NR	0
PFAS	0.250		0	0	NR	NR	NR	0
AQUEOUS FOAM	0.250		0	0	NR	NR	NR	0
AIRS	0.001		1	NR	NR	NR	NR	1
ASBESTOS	0.001		0	NR	NR	NR	NR	0
BEA	0.500		1	0	0	NR	NR	1
COAL ASH	0.500		0	0	0	NR	NR	0
DRYCLEANERS	0.250		0	0	NR	NR	NR	0
Financial Assurance	0.001		0	NR	NR	NR	NR	0
LEAD	0.001		0	NR	NR	NR	NR	0
LEAD	0.001		0	NR	NR	NR	NR	0
MANIFEST	0.250		0	0	NR	NR	NR	0
NPDES	0.001		0	NR	NR	NR	NR	0
UIC	0.001		0	NR	NR	NR	NR	0
WDS	0.001		1	NR	NR	NR	NR	1
SSCUP	0.500		0	0	0	NR	NR	0
ENVIRO	0.001		4	NR	NR	NR	NR	4

EDR HIGH RISK HISTORICAL RECORDS

EDR Exclusive Records

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

EDR RECOVERED GOVERNMENT ARCHIVES

Exclusive Recovered Govt. Archives

RGA PART 201	0.001		1	NR	NR	NR	NR	1
RGA LF	0.001		0	NR	NR	NR	NR	0
RGA LUST	0.001		0	NR	NR	NR	NR	0

- Totals --		0	15	0	2	10	0	27
-------------	--	---	----	---	---	----	---	----

NOTES:

TP = Target Property

NR = Not Requested at this Search Distance

Sites may be listed in more than one database

Map ID
 Direction
 Distance
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
 EPA ID Number

NPL Region
SHIAWASSEE RIVER
2440 W HIGHLAND ROAD
HOWELL, MI 48843

< 1/8
 1 ft.

NPL 1000160531
SEMS MID980794473
US ENG CONTROLS
US INST CONTROLS
PRP

NPL:

EPA Region: 5
 EPA ID: MID980794473
 Site ID: 503020
 Name: SHIAWASSEE RIVER
 Address: 2440 W HIGHLAND ROAD
 City,State,Zip: HOWELL, MI 48843
 Federal: N
 Final Date: 1983-09-08 00:00:00
 Latitude: 42.622781
 Longitude: -83.963611
 Site Score: 31.010000000000002
 NAI: Not reported
 Native American Entity: Not reported

Substance as of 08/2019:

NPL Status: Currently on the Final NPL
 Substance ID: Not reported
 CAS Number: Not reported
 Substance: Not reported
 Pathway: Not reported
 Scoring: Not reported

NPL Status: Currently on the Final NPL
 Substance ID: A046
 CAS Number: 1336-36-3
 Substance: POLYCHLORINATED BIPHENYLS
 Pathway: GROUND WATER PATHWAY
 Scoring: 3

NPL Status: Currently on the Final NPL
 Substance ID: A046
 CAS Number: 1336-36-3
 Substance: POLYCHLORINATED BIPHENYLS
 Pathway: SURFACE WATER PATHWAY
 Scoring: 4

Summary Details:

Conditions at listing December 1982): The Shiawassee River Site is in Howell, Livingston County, Michigan. Since 1969, the Cast Forge Co. has manufactured aluminum cast products in Howell. Until 1973, waste water contaminated by hydraulic fluids containing PCBs was discharged to the South Branch of the Shiawassee River. From 1973 to 1977, waste water was discharged into a 400,000-gallon on-site lagoon. Discharges from this lagoon, as well as periodic overflows, have contaminated nearby wetlands and subsequently the Shiawassee River. In 1978 and 1979, the State detected high levels of PCBs in soils around the site and in on-site monitoring wells. Concentrations above 1 part per million were found in ShiawasseeRiver sediments for 14 miles downstream of the plant. PCBs were also found in fish as far as 52 miles downstream of the plant. In November 1977, the State filed suit against Cast Forge for PCB-contamination of the environment. The casewas settled through a Consent Judgment in June 1981. Under that settlement, the company removed the lagoon, cleaned up PCB-contaminated soil

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

SHIAWASSEE RIVER (Continued)

1000160531

and sediment from its property, and provided 750,000 for restoration of the Shiawassee River. Status July 1983); The State's program for dredging contaminated sediments from the South Branch of the Shiawassee River began in June 1982.

Category as of 08/2019:

NPL Status: Currently on the Final NPL
Category Description: Depth To Aquifer-> 25 And <= 50 Feet
Category Value: 35

NPL Status: Currently on the Final NPL
Category Description: Distance To Nearest Population-> 0 And <= 1/4 Mile
Category Value: 1320

Narratives as of 08/2019:

NPL Name: SHIAWASSEE RIVER

Site as of 08/2019:

EPA Region: 05
Site ID: 0503020
Site Status: F
Federal Site: N
Date Deleted: Not reported
Date Finalized: 09/08/83
Date Proposed: 12/30/82

Site Status as of 08/2019:

Proposed Date: 12/30/1982
Final Date: 09/08/1983
Deleted Date: Not reported
NPL Status: Final

Narr:

Site Name: Shiawassee River
Site EPA ID: MID980794473
Listing Date: 9/8/1983
Site Score: 31.01
Federal Facility Indicator: No

[Site List URL:](#)

[Site Progress URL:](#)

[Federal Register URL:](#)

[Site Location URL:](#)

SEMS:

Site ID: 0503020
EPA ID: MID980794473
Name: SHIAWASSEE RIVER
Address: 2440 W HIGHLAND ROAD
Address 2: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

SHIAWASSEE RIVER (Continued)

1000160531

City,State,Zip: HOWELL, MI 48843
Cong District: 08
FIPS Code: 26093
Latitude: 42.622781
Longitude: -83.963611
FF: N
NPL: Currently on the Final NPL
Non NPL Status: Not reported

SEMS Detail:

Region: 05
Site ID: 0503020
EPA ID: MID980794473
Site Name: SHIAWASSEE RIVER
NPL: F
FF: N
OU: 00
Action Code: AR
Action Name: ADMIN REC
SEQ: 1
Start Date: 2000-02-23 05:00:00
Finish Date: Not reported
Qual: Not reported
Current Action Lead: EPA Perf

Region: 05
Site ID: 0503020
EPA ID: MID980794473
Site Name: SHIAWASSEE RIVER
NPL: F
FF: N
OU: 00
Action Code: CR
Action Name: CI
SEQ: 1
Start Date: 2018-10-11 05:00:00
Finish Date: Not reported
Qual: Not reported
Current Action Lead: EPA Perf

Region: 05
Site ID: 0503020
EPA ID: MID980794473
Site Name: SHIAWASSEE RIVER
NPL: F
FF: N
OU: 00
Action Code: FE
Action Name: 5 YEAR
SEQ: 1
Start Date: 2008-10-30 04:00:00
Finish Date: 2009-08-27 04:00:00
Qual: Not reported
Current Action Lead: EPA Perf In-Hse

Region: 05
Site ID: 0503020
EPA ID: MID980794473

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

SHIAWASSEE RIVER (Continued)

1000160531

Site Name: SHIAWASSEE RIVER
NPL: F
FF: N
OU: 00
Action Code: FE
Action Name: 5 YEAR
SEQ: 2
Start Date: 2013-09-27 05:00:00
Finish Date: 2014-08-25 05:00:00
Qual: Not reported
Current Action Lead: St Perf

Region: 05
Site ID: 0503020
EPA ID: MID980794473
Site Name: SHIAWASSEE RIVER
NPL: F
FF: N
OU: 00
Action Code: FE
Action Name: 5 YEAR
SEQ: 3
Start Date: 2018-10-11 05:00:00
Finish Date: 2019-08-22 05:00:00
Qual: Not reported
Current Action Lead: EPA Perf In-Hse

Region: 05
Site ID: 0503020
EPA ID: MID980794473
Site Name: SHIAWASSEE RIVER
NPL: F
FF: N
OU: 00
Action Code: FE
Action Name: 5 YEAR
SEQ: 4
Start Date: 2023-08-22 05:00:00
Finish Date: 2024-07-19 05:00:00
Qual: Not reported
Current Action Lead: EPA Perf In-Hse

Region: 05
Site ID: 0503020
EPA ID: MID980794473
Site Name: SHIAWASSEE RIVER
NPL: F
FF: N
OU: 00
Action Code: CM
Action Name: PCOR
SEQ: 2
Start Date: 2005-09-29 04:00:00
Finish Date: 2005-09-29 04:00:00
Qual: Not reported
Current Action Lead: EPA Perf

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

SHIAWASSEE RIVER (Continued)

1000160531

Region: 05
Site ID: 0503020
EPA ID: MID980794473
Site Name: SHIAWASSEE RIVER
NPL: F
FF: N
OU: 00
Action Code: RS
Action Name: RV ASSESS
SEQ: 1
Start Date: 1990-07-09 04:00:00
Finish Date: 1990-07-09 04:00:00
Qual: Not reported
Current Action Lead: EPA Perf

Region: 05
Site ID: 0503020
EPA ID: MID980794473
Site Name: SHIAWASSEE RIVER
NPL: F
FF: N
OU: 00
Action Code: RS
Action Name: RV ASSESS
SEQ: 2
Start Date: 1991-02-13 05:00:00
Finish Date: 1991-03-19 05:00:00
Qual: Not reported
Current Action Lead: EPA Perf

Region: 05
Site ID: 0503020
EPA ID: MID980794473
Site Name: SHIAWASSEE RIVER
NPL: F
FF: N
OU: 00
Action Code: RS
Action Name: RV ASSESS
SEQ: 3
Start Date: 1993-05-17 04:00:00
Finish Date: 1993-05-17 04:00:00
Qual: Not reported
Current Action Lead: EPA Perf

Region: 05
Site ID: 0503020
EPA ID: MID980794473
Site Name: SHIAWASSEE RIVER
NPL: F
FF: N
OU: 00
Action Code: HR
Action Name: HAZRANK
SEQ: 1
Start Date: 1982-08-01 04:00:00
Finish Date: 1982-08-01 04:00:00

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

SHIAWASSEE RIVER (Continued)

1000160531

Qual: Not reported
Current Action Lead: Other

Region: 05
Site ID: 0503020
EPA ID: MID980794473
Site Name: SHIAWASSEE RIVER
NPL: F
FF: N
OU: 00
Action Code: NF
Action Name: NPL FINL
SEQ: 1
Start Date: 1983-09-08 04:00:00
Finish Date: 1983-09-08 04:00:00
Qual: Not reported
Current Action Lead: EPA Perf

Region: 05
Site ID: 0503020
EPA ID: MID980794473
Site Name: SHIAWASSEE RIVER
NPL: F
FF: N
OU: 00
Action Code: NP
Action Name: PROPOSED
SEQ: 1
Start Date: 1982-12-30 05:00:00
Finish Date: 1982-12-30 05:00:00
Qual: Not reported
Current Action Lead: EPA Perf

Region: 05
Site ID: 0503020
EPA ID: MID980794473
Site Name: SHIAWASSEE RIVER
NPL: F
FF: N
OU: 00
Action Code: PA
Action Name: PA
SEQ: 1
Start Date: 1983-02-01 05:00:00
Finish Date: 1983-02-01 05:00:00
Qual: H
Current Action Lead: St Perf

Region: 05
Site ID: 0503020
EPA ID: MID980794473
Site Name: SHIAWASSEE RIVER
NPL: F
FF: N
OU: 00
Action Code: DS
Action Name: DISCVRY

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

SHIAWASSEE RIVER (Continued)

1000160531

SEQ: 1
Start Date: 1982-07-01 04:00:00
Finish Date: 1982-07-01 04:00:00
Qual: Not reported
Current Action Lead: EPA Perf

Region: 05
Site ID: 0503020
EPA ID: MID980794473
Site Name: SHIAWASSEE RIVER
NPL: F
FF: N
OU: 00
Action Code: SI
Action Name: SI
SEQ: 1
Start Date: 1982-09-01 04:00:00
Finish Date: 1982-09-01 04:00:00
Qual: H
Current Action Lead: St Perf

Region: 05
Site ID: 0503020
EPA ID: MID980794473
Site Name: SHIAWASSEE RIVER
NPL: F
FF: N
OU: 00
Action Code: MA
Action Name: ST COOP
SEQ: 1
Start Date: 2006-06-07 04:00:00
Finish Date: Not reported
Qual: Not reported
Current Action Lead: EPA Perf

Region: 05
Site ID: 0503020
EPA ID: MID980794473
Site Name: SHIAWASSEE RIVER
NPL: F
FF: N
OU: 01
Action Code: ED
Action Name: R/H ASMT
SEQ: 1
Start Date: 1992-01-15 05:00:00
Finish Date: 1992-01-15 05:00:00
Qual: Not reported
Current Action Lead: St Perf

Region: 05
Site ID: 0503020
EPA ID: MID980794473
Site Name: SHIAWASSEE RIVER
NPL: F
FF: N

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

SHIAWASSEE RIVER (Continued)

1000160531

OU:	01
Action Code:	JF
Action Name:	ECO RISK
SEQ:	1
Start Date:	1992-01-15 05:00:00
Finish Date:	1992-01-15 05:00:00
Qual:	Not reported
Current Action Lead:	St Perf
Region:	05
Site ID:	0503020
EPA ID:	MID980794473
Site Name:	SHIAWASSEE RIVER
NPL:	F
FF:	N
OU:	01
Action Code:	CO
Action Name:	RI/FS
SEQ:	1
Start Date:	1987-02-19 05:00:00
Finish Date:	2001-09-28 04:00:00
Qual:	VC
Current Action Lead:	St Perf
Region:	05
Site ID:	0503020
EPA ID:	MID980794473
Site Name:	SHIAWASSEE RIVER
NPL:	F
FF:	N
OU:	01
Action Code:	OM
Action Name:	OM
SEQ:	1
Start Date:	2013-09-25 05:00:00
Finish Date:	Not reported
Qual:	Not reported
Current Action Lead:	EPA Ovrsght
Region:	05
Site ID:	0503020
EPA ID:	MID980794473
Site Name:	SHIAWASSEE RIVER
NPL:	F
FF:	N
OU:	01
Action Code:	BF
Action Name:	PRP RA
SEQ:	1
Start Date:	2004-08-27 04:00:00
Finish Date:	2011-03-09 05:00:00
Qual:	FR
Current Action Lead:	EPA Ovrsght
Region:	05
Site ID:	0503020
EPA ID:	MID980794473

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

SHIAWASSEE RIVER (Continued)

1000160531

Site Name: SHIAWASSEE RIVER
NPL: F
FF: N
OU: 01
Action Code: BE
Action Name: PRP RD
SEQ: 1
Start Date: 2002-05-29 04:00:00
Finish Date: 2004-08-27 04:00:00
Qual: Not reported
Current Action Lead: EPA Ovrsght

Region: 05
Site ID: 0503020
EPA ID: MID980794473
Site Name: SHIAWASSEE RIVER
NPL: F
FF: N
OU: 01
Action Code: RO
Action Name: ROD
SEQ: 1
Start Date: 2001-09-28 04:00:00
Finish Date: 2001-09-28 04:00:00
Qual: R
Current Action Lead: EPA Perf

Site:

Name: SHIAWASSEE RIVER
Address: 2440 W HIGHLAND ROAD
Address 2: Not reported
City,State,Zip: HOWELL, MI 48843
Event Code: Not reported
Action Taken Date: 09/28/2001
EPA ID: MID980794473
Action Name: Record of Decision
Action ID: 1
Operable Unit: 01
Contaminated Media: Soil
Contact Name: Not reported
Contact Telephone: Not reported
Event: Not reported
Federal Facility: N
Fiscal Year: 2001
NPL Status: Currently on the Final NPL
Superfund Alternative Agreement: N
Latitude: 42.622781
Longitude: -83.963611

Media:

EPA ID: MID980794473
Contaminated Media: Soil
Action ID: 1
Operable Unit: 01
Action Name: Record of Decision
Action Taken Date: 09/28/2001

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

SHIAWASSEE RIVER (Continued)

1000160531

Event Code: Not reported
Contact Name: Not reported
Contact Telephone: Not reported
Event: Not reported
Federal Facility: N
Fiscal Year: 2001
NPL Status: Currently on the Final NPL
Superfund Alternative Agreement: N
Latitude: 42.622781
Longitude: -83.963611

EPA ID: MID980794473
Contaminated Media: Soil
Action ID: 1
Operable Unit: 01
Action Name: Record of Decision
Action Taken Date: 09/28/2001
Event Code: Not reported
Contact Name: Not reported
Contact Telephone: Not reported
Event: Not reported
Federal Facility: N
Fiscal Year: 2001
NPL Status: Currently on the Final NPL
Superfund Alternative Agreement: N
Latitude: 42.622781
Longitude: -83.963611

EPA ID: MID980794473
Contaminated Media: Soil
Action ID: 1
Operable Unit: 01
Action Name: Record of Decision
Action Taken Date: 09/28/2001
Event Code: Not reported
Contact Name: Not reported
Contact Telephone: Not reported
Event: Not reported
Federal Facility: N
Fiscal Year: 2001
NPL Status: Currently on the Final NPL
Superfund Alternative Agreement: N
Latitude: 42.622781
Longitude: -83.963611

EPA ID: MID980794473
Contaminated Media: Sediment
Action ID: 1
Operable Unit: 01
Action Name: Record of Decision
Action Taken Date: 09/28/2001
Event Code: Not reported
Contact Name: Not reported
Contact Telephone: Not reported
Event: Not reported
Federal Facility: N
Fiscal Year: 2001

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

SHIAWASSEE RIVER (Continued)

1000160531

NPL Status: Currently on the Final NPL
Superfund Alternative Agreement: N
Latitude: 42.622781
Longitude: -83.963611

EPA ID: MID980794473
Contaminated Media: Sediment
Action ID: 1
Operable Unit: 01
Action Name: Record of Decision
Action Taken Date: 09/28/2001
Event Code: Not reported
Contact Name: Not reported
Contact Telephone: Not reported
Event: Not reported
Federal Facility: N
Fiscal Year: 2001
NPL Status: Currently on the Final NPL
Superfund Alternative Agreement: N
Latitude: 42.622781
Longitude: -83.963611

EPA ID: MID980794473
Contaminated Media: Sediment
Action ID: 1
Operable Unit: 01
Action Name: Record of Decision
Action Taken Date: 09/28/2001
Event Code: Not reported
Contact Name: Not reported
Contact Telephone: Not reported
Event: Not reported
Federal Facility: N
Fiscal Year: 2001
NPL Status: Currently on the Final NPL
Superfund Alternative Agreement: N
Latitude: 42.622781
Longitude: -83.963611

US INST CONTROLS:

Name: SHIAWASSEE RIVER
Address: 2440 W HIGHLAND ROAD
Address 2: Not reported
City,State,Zip: HOWELL, MI 48843
EPA ID: MID980794473
Action Name: Record of Decision
Action ID: 1
Operable Unit: 01
Actual Date: 09/28/2001
Contaminated Media: Soil
Event Code: Not reported
Contact Name: Not reported
Contact Telephone: Not reported
Event: Not reported
Federal Facility: N
Fiscal Year: 2001

Map ID
 Direction
 Distance
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
 EPA ID Number

SHIAWASSEE RIVER (Continued)

1000160531

NPL Status: Currently on the Final NPL
 Superfund Alternative Agreement: N
 Latitude: 42.622781
 Longitude: -83.963611

Name: SHIAWASSEE RIVER
 Address: 2440 W HIGHLAND ROAD
 Address 2: Not reported
 City,State,Zip: HOWELL, MI 48843
 EPA ID: MID980794473
 Action Name: Record of Decision
 Action ID: 1
 Operable Unit: 01
 Actual Date: 09/28/2001
 Contaminated Media: Sediment
 Event Code: Not reported
 Contact Name: Not reported
 Contact Telephone: Not reported
 Event: Not reported
 Federal Facility: N
 Fiscal Year: 2001
 NPL Status: Currently on the Final NPL
 Superfund Alternative Agreement: N
 Latitude: 42.622781
 Longitude: -83.963611

PRP:

PRP Name: CAST FORGE CO.
 CHEM-TREND, INC.
 CITY OF HOWELL
 FRUEHAUF CORP.
 HOOVER UNIVERSAL, INC.
 HOOVER UNIVERSAL, INC.
 JOHNSON CONTROLS
 KELSEY-HAYES COMPANY
 KELSEY-HAYES COMPANY
 MARSDEN CO.
 MULTIFASTENER CORP.
 MULTIFASTENER CORP.
 MULTIFASTENER CORP.

A1

D & H FARMS
2755 TOOLEY ROAD
HOWELL, MI 48843

AIRS S121716710
N/A

< 1/8
 1 ft.

Site 1 of 3 in cluster A

Relative:
Higher
Actual:
901 ft.

AIRS:
 Name: D & H FARMS
 Address: 2755 TOOLEY ROAD
 City,State,Zip: HOWELL, MI 48843
 State Registration Number: M3646
 Naics Code: Not reported
 Contact Email: Not reported
 Contact Name: Not reported
 Contact Phone: Not reported
 Contact Address: Not reported
 Contact City,St,Zip: Not reported

Map ID
 Direction
 Distance
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
 EPA ID Number

D & H FARMS (Continued)

S121716710

Permit Number: 8-80I
 Date Received: 02/25/1980
 Application Reason: NEW C-75-P CONSUMAT INCINERATOR
 Record Type: Not reported
 State County FIPS: Not reported
 Facility Category: Not reported
 SIC Primary: Not reported
 Tribal Code: Not reported
 Facility Status Code: Not reported
 Facility Status: InActive
 Supplemental Location Text: Not reported
 Business Name: Not reported
 Principal Product: Not reported
 Principal Product Description: Not reported
 UTM Zone (Geo Coordinates Universal Transverse Mercator System): Not reported
 UTM Horizontal Coord: Not reported
 UTM Vertical Coord: Not reported
 Mailing Name: Not reported
 Mailing Contact Person: Not reported
 Mailing Street: Not reported
 Mailing City: Not reported
 Mailing State: Not reported
 Mailing Zip: Not reported
 Mailing Zip 4 Extension: Not reported
 Compliance Person: Not reported
 Compliance Area Code: Not reported
 Compliance Phone Number: Not reported
 Emission Inventory Contact Person: Not reported
 EI Contact Area Code: Not reported
 EI Contact Phone Number: Not reported
 Permit Contact Person: Not reported
 Permit Contact Person Area Code: Not reported
 Permit Contact Person Phone Number: Not reported
 Federal Employer Id Number: Not reported
 # Of Employees: Not reported
 Reporting Year: Not reported
 Date Record Was Created: Not reported

2

6148-HT-02 BIOSOLIDS SITE

**ENVIRO S129750318
 N/A**

< 1/8
 1 ft. , MI

**Relative:
 Higher
 Actual:
 932 ft.**

ENVIRO:
 Site ID: 2192124084788410471
 Name: 6148-HT-02 BIOSOLIDS SITE
 Address: Not reported
 Latitude: 42.6381
 Longitude: -83.9815

[Site URL:](#)

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

B3 6243-SHIAWASSEE RIVER S.BR.

ENVIRO S129875777
N/A

< 1/8
1 ft. , MI

Site 1 of 2 in cluster B

Relative: ENVIRO:
Lower Site ID: 7497129557441557115
Actual: Name: 6243-SHIAWASSEE RIVER S.BR.
864 ft. Address: Not reported
Latitude: 42.6431
Longitude: -83.9672

[Site URL:](#)

Environmental Intentions:

Site ID: 7497129557441557115
Site Number: Lflow-6243
Program ID: Lflow-6243
Start Date Description: Received
Start Date: 8/9/2006 12:00:00 AM
End Date Description: Not reported
End Date: Not reported
Type Code: REQST
ENV INT Number: Lflow-6243
Type Description Long: Service Request: Low Flow Discharge Request; Status: Completed
Type Description: Service Request: Low Flow Discharge Request
Contact Name: Not reported
ENV INT Notes: Status: Completed

A4 DIFCO LABS (FORMER)
2755 TOOLEY ROAD

RGA PART 201 S115657263
N/A

< 1/8
1 ft. HOWELL, MI

Site 2 of 3 in cluster A

Relative: RGA PART 201:
Higher 2012 DIFCO LABS (FORMER) 2755 TOOLEY ROAD
Actual: 2011 DIFCO LABS (FORMER) 2755 TOOLEY ROAD
901 ft. 2010 DIFCO LABS (FORMER) 2755 TOOLEY ROAD
2009 DIFCO LABS (FORMER) 2755 TOOLEY ROAD
2008 DIFCO LABS (FORMER) 2755 TOOLEY ROAD
2007 DIFCO LABS (FORMER) 2755 TOOLEY ROAD
2006 DIFCO LABS (FORMER) 2755 TOOLEY ROAD

B5 3521-SHIAWASSEE RIVER S.BR.

ENVIRO S129864795
N/A

< 1/8
1 ft. , MI

Site 2 of 2 in cluster B

Relative: ENVIRO:
Lower Site ID: 7029925378179347770
Actual: Name: 3521-SHIAWASSEE RIVER S.BR.
864 ft. Address: Not reported
Latitude: 42.6431
Longitude: -83.9672

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

3521-SHIAWASSEE RIVER S.BR. (Continued)

S129864795

[Site URL:](#)

Environmental Intentions:

Site ID: 7029925378179347770
Site Number: Lflow-3521
Program ID: Lflow-3521
Start Date Description: Received
Start Date: 10/16/1998 12:00:00 AM
End Date Description: Not reported
End Date: Not reported
Type Code: REQST
ENV INT Number: Lflow-3521
Type Description Long: Service Request: Low Flow Discharge Request; Status: Completed
Type Description: Service Request: Low Flow Discharge Request
Contact Name: Not reported
ENV INT Notes: Status: Completed

A6

**DIFCO LABS (FORMER)
2755 TOOLEY ROAD
HOWELL, MI 48855**

**INVENTORY S108036291
PART 201 N/A
BEA
WDS**

< 1/8
1 ft.

Site 3 of 3 in cluster A

Relative:
Higher

Actual:
901 ft.

INVENTORY:

Name: DIFCO LABS (FORMER)
Address: 2755 TOOLEY ROAD
City,State,Zip: HOWELL, MI 48855
Township: Howell
District: Lansing
Data Source: Risks Controlled-Interim
Lust Name: Not reported
Regulatory Program: 201
Release Status: Not reported
Project Manager: Taylor, Rebecca
Latitude: 42.639665
Longitude: -83.9760942

PART 201:

Name: DIFCO LABS (FORMER)
Address: 2755 TOOLEY ROAD
City,State,Zip: HOWELL, MI 48855
Facility ID: 47000219
Facility Status: Evaluation in progress
Latitude: 42.639665
Source: Testing Laboratories
Longitude: -83.9760942
SAM Score: Not reported
SAM Score Date: 2004-07-26
Township: 3N
Range: 4E
Section: 15
Quarter: SW
Quarter/Quarter: Not reported
Pollutants: As; Pb; Se; Hg
Location Type: 201
Work Unit: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

DIFCO LABS (FORMER) (Continued)

S108036291

Project Manager: Taylor, Rebecca
Risk Condition: Risks Controlled-Interim

BEA:

Name: DIFCO LABS (FORMER)
Address: 2755 TOOLEY ROAD
City,State,Zip: HOWELL, MI 48855
Secondary Address: Not reported
BEA Number: Not reported
District: Not reported
Date Received: 07/23/2004
Submitter Name: Not reported
Petition Determination: Not reported
Petition Disclosure: Not reported
Category: Not reported
Determination 20107A: Not reported
Reviewer: Not reported
Division Assigned: Not reported
Location ID: 47000219
Submittal Type: Baseline Environmental Assessment
Submittal Number: B200400846LA
Approval Status: RRD Received
Workflow Status: Submitted
Date Submitted: 07/23/2004
Date Completed: Not reported
Township: Howell
Work Unit: Lansing
Comments: Disclosure only. Site ID assigned based on lead (82 ug/l, MW-3) in the groundwater above Part 201. Selenium and mercury exceed GSI protection criterion along drainway to retention pond in site soils. Arsenic at 13.6 ppm exceeds Direct Contact in the septic leach field. Assigned Site ID # 47000219. Impacted area is considerably less than the 207 acres covered by the BEA. Previous remedial efforts include the removal of 6,600 cyds of soils impacted by the burial of laboratory wastes and anima

Organization: T.Bashore, M.Kniahynycky, J.Locricchio
Contact: Not reported
Contact Type: Not reported
Organization Street Address: Not reported
Organization City: Not reported
Organization State: Not reported
Organization Zip Code: Not reported
Organization County: Not reported
Contact Street Address: Not reported
Contact City: Not reported
Contact Zip Code: Not reported
Contact State: Not reported

WDS:

Name: DIFCO LABORATORIES
Address: 2755 TOOLEY RD
City,State,Zip: HOWELL, MI 48855
Site Id: MIG000021667
WMD Id: 452461
Site Specific Name: DIFCO LABORATORIES
Mailing Address: 2755 TOOLEY RD

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

DIFCO LABS (FORMER) (Continued)

S108036291

Mailing City/State/Zip: 48855
Mailing County: LIVINGSTON

7

**KNIAHYNYCKY-LIVINGSTON: 04-47-0030-FP
TOOLEY ROAD
HOWELL, MI 48843**

**ENVIRO S129881584
N/A**

< 1/8
1 ft.

**Relative:
Higher
Actual:
898 ft.**

ENVIRO:
Site ID: 7743830487819204567
Name: KNIAHYNYCKY-LIVINGSTON: 04-47-0030-FP
Address: TOOLEY ROAD
Latitude: 42.6417
Longitude: -83.9722

[Site URL:](#)

Document File:
Site ID: 7743830487819204567
Document ID: -4989233783184499375
Document Name: 04-47-0030-FP_paper_file.pdf
Document Type: Resources Site Docs
Document Description: Site / General. Complete Paper File
Document Date: 8/8/2019 12:00:00 AM
Site Number: 04-47-0030-FP

[URL:](#)

Environmental Intentions:
Site ID: 7743830487819204567
Site Number: 04-47-0030-FP
Program ID: 04-47-0030-FP
Start Date Description: Received
Start Date: 8/13/2004 12:00:00 AM
End Date Description: Not reported
End Date: Not reported
Type Code: REQST
ENV INT Number: 04-47-0030-FP
Type Description Long: Floodplain Elevation Calculation Request; Status: Completed
Type Description: Floodplain Elevation Calculation Request
Contact Name: Inactive Staff
ENV INT Notes: Status: Completed

8

**SSW
1/4-1/2
0.406 mi.
2142 ft.**

**LIVINGSTON COUNTY AIRPORT
3399 COUNTY AIRPORT DRIVE
HOWELL, MI 48855**

**INVENTORY S126356716
PART 201 N/A
PFAS
NPDES**

**Relative:
Higher
Actual:
940 ft.**

INVENTORY:
Name: LIVINGSTON COUNTY AIRPORT (AKA SPENCER J. HARDY AIRPORT)
Address: 3399 COUNTY AIRPORT DRIVE
City,State,Zip: HOWELL, MI 48855
Township: Howell
District: Lansing

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

LIVINGSTON COUNTY AIRPORT (Continued)

S126356716

Data Source: Risks Present and Require Action in Short-term
Lust Name: Not reported
Regulatory Program: 201
Release Status: Not reported
Project Manager: Taylor, Rebecca
Latitude: 42.62997747
Longitude: -83.98305857

PART 201:

Name: LIVINGSTON COUNTY AIRPORT (AKA SPENCER J. HARDY AIRPORT)
Address: 3399 COUNTY AIRPORT DRIVE
City,State,Zip: HOWELL, MI 48855
Facility ID: 47000366
Facility Status: Not reported
Latitude: 42.62997747
Source: Not reported
Longitude: -83.98305857
SAM Score: Not reported
SAM Score Date: Not reported
Township: Not reported
Range: Not reported
Section: Not reported
Quarter: Not reported
Quarter/Quarter: Not reported
Pollutants: Not reported
Location Type: 201
Work Unit: Not reported
Project Manager: Taylor, Rebecca
Risk Condition: Risks Present and Require Action in Short-term

PFAS:

Name: LIVINGSTON COUNTY AIRPORT
Address: 3399 COUNTY AIRPORT DRIVE
City,State,Zip: HOWELL, MI 48843
Latitude: 42.626
Longitude: -83.982

Hyperlink:

Residential Wells Sampled: N/A
Site Lead: Rebecca Taylor
Site Lead Email: TaylorR@Michigan.gov
Site Lead Phone: 517-284-5160
Type: Airport

MI NPDES:

Name: LIVINGSTON COUNTY AIRPORT
Address: 3399 COUNTY AIRPORT DRIVE
City,State,Zip: HOWELL, MI 48855
Permit Number: MIR106333
Permittee PO Box: Not reported
Permittee Email: Not reported
Issue Date: 09/16/2002
Effective Date: 09/16/2002
Expiration Date: 09/15/2007
Permittee Name: Livingston County Airport
Permittee Address: 3480 West Grand River

Map ID
 Direction
 Distance
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
 EPA ID Number

LIVINGSTON COUNTY AIRPORT (Continued)

S126356716

Permittee Addr2:	Not reported
Permittee City,St,Zip:	Howell, MI 48855
Permit Type:	Not reported
Facility Name 2:	Not reported
Facility Name 3:	Not reported
Facility Name 4:	Not reported
Designed Name:	Not reported
Latitude:	Not reported
Lat Direction:	Not reported
Lat Type Code:	Not reported
Longitude:	Not reported
Lon Direction:	Not reported
Lon Type Code:	Not reported
Hydrologic Unit Code:	Not reported
Permit Status:	Closed
COC Permit Category:	NPDES Construction Storm Water Notice of Coverage (NOC)
DEQ District Email:	Lansing
DEQ Permit Compliance Manager:	Not reported
DEQ Permit Compliance Manager Email:	Not reported

9
WSW
1/2-1
0.616 mi.
3253 ft.

4020 WEST GRAND RIVER AVENUE
4020 WEST GRAND RIVER AVENUE
HOWELL, MI 48855

INVENTORY **S127094242**
PART 201 **N/A**
BEA

Relative:
Higher
Actual:
948 ft.

INVENTORY:

Name:	4020 WEST GRAND RIVER AVENUE
Address:	4020 WEST GRAND RIVER AVENUE
City,State,Zip:	HOWELL, MI 48855
Township:	Howell
District:	Lansing
Data Source:	Risks Present and Require Action in Long-term
Lust Name:	Not reported
Regulatory Program:	201
Release Status:	Not reported
Project Manager:	Taylor, Rebecca
Latitude:	42.63251517
Longitude:	-83.99411229

PART 201:

Name:	4020 WEST GRAND RIVER AVENUE
Address:	4020 WEST GRAND RIVER AVENUE
City,State,Zip:	HOWELL, MI 48855
Facility ID:	47000369
Facility Status:	Not reported
Latitude:	42.63251517
Source:	Not reported
Longitude:	-83.99411229
SAM Score:	Not reported
SAM Score Date:	Not reported
Township:	Not reported
Range:	Not reported
Section:	Not reported
Quarter:	Not reported
Quarter/Quarter:	Not reported
Pollutants:	Not reported

Map ID
 Direction
 Distance
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
 EPA ID Number

4020 WEST GRAND RIVER AVENUE (Continued)

S127094242

Location Type: 201
 Work Unit: Not reported
 Project Manager: Taylor, Rebecca
 Risk Condition: Risks Present and Require Action in Long-term

BEA:

Name: 4020 WEST GRAND RIVER AVENUE
 Address: 4020 WEST GRAND RIVER AVENUE
 City,State,Zip: HOWELL, MI 48855
 Secondary Address: Not reported
 BEA Number: Not reported
 District: Not reported
 Date Received: 09/24/2020
 Submitter Name: Not reported
 Petition Determination: Not reported
 Petition Disclosure: Not reported
 Category: Not reported
 Determination 20107A: Not reported
 Reviewer: Not reported
 Division Assigned: Not reported
 Location ID: 47000369
 Submittal Type: Baseline Environmental Assessment
 Submittal Number: 47000369-BEA-1
 Approval Status: RRD Received
 Workflow Status: Submitted
 Date Submitted: Not reported
 Date Completed: 8/12/2020
 Township: Howell
 Work Unit: Lansing
 Comments: Not reported
 Organization: Not reported
 Contact: Not reported
 Contact Type: Not reported
 Organization Street Address: Not reported
 Organization City: Not reported
 Organization State: Not reported
 Organization Zip Code: Not reported
 Organization County: Not reported
 Contact Street Address: Not reported
 Contact City: Not reported
 Contact Zip Code: Not reported
 Contact State: Not reported

10
WSW
1/2-1
0.635 mi.
3353 ft.

3995 W. GRAND RIVER AVE.
3995 W. GRAND RIVER AVE.
HOWELL, MI 48855

PART 201 **S114025932**
INVENTORY **N/A**

Relative:
Higher
Actual:
948 ft.

PART 201:
 Name: 3995 W. GRAND RIVER AVE.
 Address: 3995 W. GRAND RIVER AVE.
 City,State,Zip: HOWELL, MI 48855
 Facility ID: 47000317
 Facility Status: Not reported
 Latitude: 42.63036892
 Source: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

3995 W. GRAND RIVER AVE. (Continued)

S114025932

Longitude: -83.99220564
SAM Score: Not reported
SAM Score Date: Not reported
Township: Not reported
Range: Not reported
Section: Not reported
Quarter: Not reported
Quarter/Quarter: Not reported
Pollutants: Not reported
Location Type: 201
Work Unit: Not reported
Project Manager: Taylor, Rebecca
Risk Condition: Risks Present and Require Action in Long-term

INVENTORY:

Name: 3995 W. GRAND RIVER AVE.
Address: 3995 W. GRAND RIVER AVE.
City,State,Zip: HOWELL, MI 48855
Township: Howell
District: Lansing
Data Source: Risks Present and Require Action in Long-term
Lust Name: Not reported
Regulatory Program: 201
Release Status: Not reported
Project Manager: Taylor, Rebecca
Latitude: 42.63036892
Longitude: -83.99220564

**11
SW
1/2-1
0.638 mi.
3370 ft.**

**3845 WEST GRAND RIVER AVENUE
3845 WEST GRAND RIVER AVENUE
HOWELL, MI 48855**

**INVENTORY S116710612
PART 201 N/A
BEA**

**Relative:
Higher
Actual:
941 ft.**

INVENTORY:

Name: 3845 WEST GRAND RIVER AVENUE
Address: 3845 WEST GRAND RIVER AVENUE
City,State,Zip: HOWELL, MI 48855
Township: Howell
District: Lansing
Data Source: Risks Present and Require Action in Long-term
Lust Name: Not reported
Regulatory Program: 201
Release Status: Not reported
Project Manager: Taylor, Rebecca
Latitude: 42.62950433
Longitude: -83.99034025

PART 201:

Name: 3845 WEST GRAND RIVER AVENUE
Address: 3845 WEST GRAND RIVER AVENUE
City,State,Zip: HOWELL, MI 48855
Facility ID: 47000316
Facility Status: Not reported
Latitude: 42.62950433
Source: Not reported
Longitude: -83.99034025

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

3845 WEST GRAND RIVER AVENUE (Continued)

S116710612

SAM Score: Not reported
SAM Score Date: Not reported
Township: Not reported
Range: Not reported
Section: Not reported
Quarter: Not reported
Quarter/Quarter: Not reported
Pollutants: Not reported
Location Type: 201
Work Unit: Not reported
Project Manager: Taylor, Rebecca
Risk Condition: Risks Present and Require Action in Long-term

BEA:

Name: 3845 WEST GRAND RIVER AVENUE
Address: 3845 WEST GRAND RIVER AVENUE
City,State,Zip: HOWELL, MI 48855
Secondary Address: Not reported
BEA Number: Not reported
District: Not reported
Date Received: 05/07/2014
Submitter Name: Not reported
Petition Determination: Not reported
Petition Disclosure: Not reported
Category: Not reported
Determination 20107A: Not reported
Reviewer: Not reported
Division Assigned: Not reported
Location ID: 47000316
Submittal Type: Baseline Environmental Assessment
Submittal Number: B201401940LA
Approval Status: RRD Received
Workflow Status: Submitted
Date Submitted: 05/07/2014
Date Completed: Not reported
Township: Howell
Work Unit: Lansing
Comments: Category B3 No facility ID assigned. REVIEW CONCLUSION: BEA identifies a new concern, in whole or in part, and assessment of the available information indicates further follow up required. FURTHER ASSESSMENT, NOTIFICATION, AND/OR MITIGATION ACTION TO BE TAKEN: Metals in soils and/or groundwater above Part 201 residential criteria include: lead, mercury, arsenic, vanadium and iron. Not expected to pose a risk off-property based on limited data. Groundwater samples from temporary
Organization: MiCB-BCB RE Holdings I, LLC
Contact: Not reported
Contact Type: Not reported
Organization Street Address: Not reported
Organization City: Not reported
Organization State: Not reported
Organization Zip Code: Not reported
Organization County: Not reported
Contact Street Address: Not reported
Contact City: Not reported
Contact Zip Code: Not reported
Contact State: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

12
SW
1/2-1
0.695 mi.
3671 ft.

BIG BARNEY'S
2200 NORTH BURKHART ROAD
HOWELL, MI 48843

INVENTORY **S111958948**
PART 201 **N/A**
BEA
WDS

Relative:
Higher
Actual:
942 ft.

INVENTORY:
Name: BIG BARNEY'S
Address: 2200 NORTH BURKHART ROAD
City,State,Zip: HOWELL, MI 48843
Township: Howell
District: Lansing
Data Source: Risks Present and Require Action in Short-term
Lust Name: Not reported
Regulatory Program: 201
Release Status: Not reported
Project Manager: Taylor, Rebecca
Latitude: 42.63009977
Longitude: -83.99311303

PART 201:
Name: BIG BARNEY'S
Address: 2200 NORTH BURKHART ROAD
City,State,Zip: HOWELL, MI 48843
Facility ID: 47000245
Facility Status: Inactive - no actions taken to address contamination
Latitude: 42.63009977
Source: Road Commission
Longitude: -83.99311303
SAM Score: Not reported
SAM Score Date: 2006-08-14
Township: 3N
Range: 4E
Section: 21
Quarter: SW
Quarter/Quarter: SW
Pollutants: Cl; Pb
Location Type: 201
Work Unit: Not reported
Project Manager: Taylor, Rebecca
Risk Condition: Risks Present and Require Action in Short-term

BEA:
Name: BIG BARNEY'S
Address: 2200 NORTH BURKHART ROAD
City,State,Zip: HOWELL, MI 48855
Secondary Address: Not reported
BEA Number: Not reported
District: Not reported
Date Received: 03/31/2006
Submitter Name: Not reported
Petition Determination: Not reported
Petition Disclosure: Not reported
Category: Not reported
Determination 20107A: Not reported
Reviewer: Not reported
Division Assigned: Not reported
Location ID: 47000245

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

BIG BARNEY'S (Continued)

S111958948

Submittal Type: Baseline Environmental Assessment
Submittal Number: B200601047LA
Approval Status: RRD Received
Workflow Status: Submitted
Date Submitted: 04/04/2006
Date Completed: Not reported
Township: Howell
Work Unit: Lansing
Comments: Big Barneys formerly occupied property. Left three 10,000 gallon AST's behind. Previous DEQ PEAS complaints resulted in sampling of holding tank and wetland on southeast side of property receiving outfall from oily retention pond. Chlorides exceed Part 201 criteria in surface water. Area may be on residential wells. Refer to Part 201 database site ID #47000245. Big Barney Co. also cleaned up improper road chloride job using oily brine from an unpermitted source well circa 2003.

Organization: Ionia County National Bank
Contact: Not reported
Contact Type: Not reported
Organization Street Address: Not reported
Organization City: Not reported
Organization State: Not reported
Organization Zip Code: Not reported
Organization County: Not reported
Contact Street Address: Not reported
Contact City: Not reported
Contact Zip Code: Not reported
Contact State: Not reported

Name: BIG BARNEY'S
Address: 2200 NORTH BURKHART ROAD
City,State,Zip: HOWELL, MI 48855
Secondary Address: Not reported
BEA Number: Not reported
District: Not reported
Date Received: 07/18/2013
Submitter Name: Not reported
Petition Determination: Not reported
Petition Disclosure: Not reported
Category: Not reported
Determination 20107A: Not reported
Reviewer: Not reported
Division Assigned: Not reported
Location ID: 47000245
Submittal Type: Baseline Environmental Assessment
Submittal Number: B201301858LA
Approval Status: RRD Received
Workflow Status: Submitted
Date Submitted: 07/22/2013
Date Completed: Not reported
Township: Howell
Work Unit: Lansing
Comments: Category B1 #47000245- Big Barneys's REVIEW CONCLUSION: BEA identifies a new concern, in whole or in part, and assessment of the available information indicates no imminent, ongoing or evident future significant risk exists. Nominal lead, chromium and BNA's may exceed Part 201 criteria if contact with drinking water - mainly surface

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

BIG BARNEY'S (Continued)

S111958948

FURTHER ASSESSMENT, NOTIFICATION, AND/OR MITIGATION ACTION TO BE

TAKEN: Liable party whereabouts is known - moved to a different Part

201 facility in H

Organization: MiCB-BCB RE Holdings V, LLC
Contact: Not reported
Contact Type: Not reported
Organization Street Address: Not reported
Organization City: Not reported
Organization State: Not reported
Organization Zip Code: Not reported
Organization County: Not reported
Contact Street Address: Not reported
Contact City: Not reported
Contact Zip Code: Not reported
Contact State: Not reported

WDS:

Name: BIG BARNEY CO
Address: 2200 N BURKHART RD
City,State,Zip: HOWELL, MI 48855
Site Id: MIG000043655
WMD Id: 441902
Site Specific Name: BIG BARNEY CO
Mailing Address: 2200 N BURKHART RD
Mailing City/State/Zip: 48855
Mailing County: LIVINGSTON

13
SSW
1/2-1
0.835 mi.
4411 ft.

ROOTO CORP
3505 WEST GRAND RIVER
HOWELL, MI 48855

SEMS 1000415239
CORRACTS MID058805367
RCRA-VSQG
BROWNFIELDS
PART 201
INVENTORY
US AIRS
PFAS ECHO
WDS

Relative:
Higher
Actual:
939 ft.

SEMS:

Site ID: 0506616
EPA ID: MID058805367
Name: ROOTO CORP
Address: 3505 WEST GRAND RIVER
Address 2: Not reported
City,State,Zip: HOWELL, MI 48855
Cong District: 06
FIPS Code: 26093
Latitude: +42.606667
Longitude: -083.925000
FF: N
NPL: Not on the NPL
Non NPL Status: Removal Only Site (No Site Assessment Work Needed)

CORRACTS:

Name: ROOTO CORP
Address: 3505 W GRAND RIVER AVE
Address 2: Not reported
EPA ID: MID058805367

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

ROOTO CORP (Continued)

1000415239

Area Name: ENTIRE FACILITY
Corrective Action: DETERMINATION OF NEED FOR AN INVESTIGATION-INVESTIGATION IS NOT NECESSARY
Actual Date: 20090501
Air Release Indicator: N
Groundwater Release Indicator: Not reported
Soil Release Indicator: Y
Surface Water Release Indicator: Y

Name: ROOTO CORP
Address: 3505 W GRAND RIVER AVE
Address 2: Not reported
EPA ID: MID058805367
Area Name: ENTIRE FACILITY
Corrective Action: RFI IMPOSITION-FOCUSED DATA COLLECTION REQ STAB EVAL
Actual Date: 19960530
Air Release Indicator: N
Groundwater Release Indicator: Not reported
Soil Release Indicator: Y
Surface Water Release Indicator: Y

Name: ROOTO CORP
Address: 3505 W GRAND RIVER AVE
Address 2: Not reported
EPA ID: MID058805367
Area Name: ENTIRE FACILITY
Corrective Action: INVESTIGATION WORKPLAN RECEIVED
Actual Date: 19980619
Air Release Indicator: N
Groundwater Release Indicator: Not reported
Soil Release Indicator: Y
Surface Water Release Indicator: Y

Name: ROOTO CORP
Address: 3505 W GRAND RIVER AVE
Address 2: Not reported
EPA ID: MID058805367
Area Name: ENTIRE FACILITY
Corrective Action: INVESTIGATION WORKPLAN APPROVED
Actual Date: 19980811
Air Release Indicator: N
Groundwater Release Indicator: Not reported
Soil Release Indicator: Y
Surface Water Release Indicator: Y

Name: ROOTO CORP
Address: 3505 W GRAND RIVER AVE
Address 2: Not reported
EPA ID: MID058805367
Area Name: ENTIRE FACILITY
Corrective Action: INVESTIGATION SUPPLEMENTAL INFO REQ BY AGENCY
Actual Date: 19990204
Air Release Indicator: N
Groundwater Release Indicator: Not reported
Soil Release Indicator: Y
Surface Water Release Indicator: Y

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

ROOTO CORP (Continued)

1000415239

Name: ROOTO CORP
Address: 3505 W GRAND RIVER AVE
Address 2: Not reported
EPA ID: MID058805367
Area Name: ENTIRE FACILITY
Corrective Action: INVESTIGATION SUPPLEMENTAL INFORMATION RECEIVED
Actual Date: 19990210
Air Release Indicator: N
Groundwater Release Indicator: Not reported
Soil Release Indicator: Y
Surface Water Release Indicator: Y

Name: ROOTO CORP
Address: 3505 W GRAND RIVER AVE
Address 2: Not reported
EPA ID: MID058805367
Area Name: ENTIRE FACILITY
Corrective Action: INVESTIGATION REPORT RECEIVED
Actual Date: 19981111
Air Release Indicator: N
Groundwater Release Indicator: Not reported
Soil Release Indicator: Y
Surface Water Release Indicator: Y

Name: ROOTO CORP
Address: 3505 W GRAND RIVER AVE
Address 2: Not reported
EPA ID: MID058805367
Area Name: ENTIRE FACILITY
Corrective Action: INVESTIGATION PROGRESS REPORTS RECEIVED
Actual Date: 19981015
Air Release Indicator: N
Groundwater Release Indicator: Not reported
Soil Release Indicator: Y
Surface Water Release Indicator: Y

Name: ROOTO CORP
Address: 3505 W GRAND RIVER AVE
Address 2: Not reported
EPA ID: MID058805367
Area Name: ENTIRE FACILITY
Corrective Action: INVESTIGATION COMPLETE
Actual Date: 20000310
Air Release Indicator: N
Groundwater Release Indicator: Not reported
Soil Release Indicator: Y
Surface Water Release Indicator: Y

Name: ROOTO CORP
Address: 3505 W GRAND RIVER AVE
Address 2: Not reported
EPA ID: MID058805367
Area Name: ENTIRE FACILITY
Corrective Action: REFERRED TO A NON-RCRA AUTHORITY-OTHER
Actual Date: 19981005
Air Release Indicator: N
Groundwater Release Indicator: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

ROOTO CORP (Continued)

1000415239

Soil Release Indicator: Y
Surface Water Release Indicator: Y

Name: ROOTO CORP
Address: 3505 W GRAND RIVER AVE
Address 2: Not reported
EPA ID: MID058805367
Area Name: ENTIRE FACILITY
Corrective Action: REMEDY DECISION
Actual Date: 20000310
Air Release Indicator: N
Groundwater Release Indicator: Not reported
Soil Release Indicator: Y
Surface Water Release Indicator: Y

[Click this hyperlink](#) while viewing on your computer to access
20 additional CORRACTS: record(s) in the EDR Site Report.

RCRA Listings:

Date Form Received by Agency: 19920416
Handler Name: Rooto Corp
Handler Address: 3505 W Grand River Ave
Handler City,State,Zip: HOWELL, MI 48855
EPA ID: MID058805367
Contact Name: GLEN MATECUM
Contact Address: 3505 W GRAND RIVER AVE
Contact City,State,Zip: HOWELL, MI 48855
Contact Telephone: 517-546-8330
Contact Fax: Not reported
Contact Email: Not reported
Contact Title: Not reported
EPA Region: 05
Land Type: Private
Federal Waste Generator Description: Conditionally Exempt Small Quantity Generator
Non-Notifier: Not reported
Biennial Report Cycle: Not reported
Accessibility: Not reported
Active Site Indicator: Handler Activities
State District Owner: Not reported
State District: Not reported
Mailing Address: 3505 W GRAND RIVER AVE
Mailing City,State,Zip: HOWELL, MI 48855
Owner Name: Joon Moon
Owner Type: Private
Operator Name: Joon Moon
Operator Type: Private
Short-Term Generator Activity: No
Importer Activity: No
Mixed Waste Generator: No
Transporter Activity: No
Transfer Facility Activity: No
Recycler Activity with Storage: No
Small Quantity On-Site Burner Exemption: No
Smelting Melting and Refining Furnace Exemption: No
Underground Injection Control: No
Off-Site Waste Receipt: No
Universal Waste Indicator: No

Map ID
 Direction
 Distance
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
 EPA ID Number

ROOTO CORP (Continued)

1000415239

Universal Waste Destination Facility:	No
Federal Universal Waste:	No
Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	N
Sub-Part K Indicator:	Not reported
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
202 GPRA Corrective Action Baseline:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	Yes
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	Yes
Groundwater Controls Indicator:	Yes
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	20110303
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	No
Manifest Broker:	No
Sub-Part P Indicator:	No

Hazardous Waste Summary:

Waste Code:	D001
Waste Description:	Ignitable Waste

Handler - Owner Operator:

Owner/Operator Indicator:	Owner
Owner/Operator Name:	JOON MOON
Legal Status:	Private
Date Became Current:	19900514
Date Ended Current:	Not reported
Owner/Operator Address:	Not reported
Owner/Operator City,State,Zip:	Not reported
Owner/Operator Telephone:	Not reported
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Operator
Owner/Operator Name:	JOON MOON
Legal Status:	Private
Date Became Current:	19900514
Date Ended Current:	Not reported
Owner/Operator Address:	Not reported
Owner/Operator City,State,Zip:	Not reported
Owner/Operator Telephone:	Not reported

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ROOTO CORP (Continued)

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Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Owner/Operator Indicator: Owner
Owner/Operator Name: JOON MOON
Legal Status: Private
Date Became Current: 19900514
Date Ended Current: Not reported
Owner/Operator Address: Not reported
Owner/Operator City,State,Zip: Not reported
Owner/Operator Telephone: Not reported
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Owner/Operator Indicator: Operator
Owner/Operator Name: JOON MOON
Legal Status: Private
Date Became Current: 19900514
Date Ended Current: Not reported
Owner/Operator Address: Not reported
Owner/Operator City,State,Zip: Not reported
Owner/Operator Telephone: Not reported
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Owner/Operator Indicator: Operator
Owner/Operator Name: JOON MOON
Legal Status: Private
Date Became Current: 19900514
Date Ended Current: Not reported
Owner/Operator Address: Not reported
Owner/Operator City,State,Zip: Not reported
Owner/Operator Telephone: Not reported
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Owner/Operator Indicator: Owner
Owner/Operator Name: JOON MOON
Legal Status: Private
Date Became Current: 19900514
Date Ended Current: Not reported
Owner/Operator Address: Not reported
Owner/Operator City,State,Zip: Not reported
Owner/Operator Telephone: Not reported
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Historic Generators:
Receive Date: 19900514
Handler Name: ROOTO CORP
Federal Waste Generator Description: Small Quantity Generator
State District Owner: Not reported

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ROOTO CORP (Continued)

1000415239

Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 19800101
Handler Name: ROOTO CORP
Federal Waste Generator Description: Not a generator, verified
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 19920416
Handler Name: ROOTO CORP
Federal Waste Generator Description: Very Small Quantity Generator (formerly Conditionally-Exempt Small Quantity Generator)
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: Yes
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

List of NAICS Codes and Descriptions:

NAICS Code: 11131
NAICS Description: ORANGE GROVES

NAICS Code: 56291
NAICS Description: REMEDIATION SERVICES

Has the Facility Received Notices of Violations:

Found Violation: Yes
Agency Which Determined Violation: State
Violation Short Description: Generators - Pre-transport
Date Violation was Determined: 19980107
Actual Return to Compliance Date: 19980915
Return to Compliance Qualifier: Observed
Violation Responsible Agency: State
Scheduled Compliance Date: Not reported
Enforcement Identifier: 006
Date of Enforcement Action: 19980915
Enforcement Responsible Agency: State
Enforcement Docket Number: Not reported

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ROOTO CORP (Continued)

1000415239

Enforcement Attorney:	Not reported
Corrective Action Component:	No
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	FINAL CIVIL JUDICIAL ACTION FOR IMMINENT AND SUBSTANTIAL ENDANGERMENT
Enforcement Responsible Person:	Not reported
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported
Found Violation:	No
Agency Which Determined Violation:	Not reported
Violation Short Description:	Not reported
Date Violation was Determined:	Not reported
Actual Return to Compliance Date:	Not reported
Return to Compliance Qualifier:	Not reported
Violation Responsible Agency:	Not reported
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	Not reported
Date of Enforcement Action:	Not reported
Enforcement Responsible Agency:	Not reported
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	Not reported
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	Not reported
Enforcement Responsible Person:	Not reported
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported

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ROOTO CORP (Continued)

1000415239

SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported
Found Violation:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	Generators - General
Date Violation was Determined:	19900814
Actual Return to Compliance Date:	19960530
Return to Compliance Qualifier:	Observed
Violation Responsible Agency:	State
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	004
Date of Enforcement Action:	19960530
Enforcement Responsible Agency:	State
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	No
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	FINAL CIVIL JUDICIAL ACTION FOR IMMINENT AND SUBSTANTIAL ENDANGERMENT
Enforcement Responsible Person:	Not reported
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	350000
Paid Amount:	350000
Final Count:	1
Final Amount:	350000
Found Violation:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	State Statute or Regulation
Date Violation was Determined:	20011218
Actual Return to Compliance Date:	Not reported
Return to Compliance Qualifier:	Not reported
Violation Responsible Agency:	State
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	Not reported
Date of Enforcement Action:	Not reported
Enforcement Responsible Agency:	Not reported
Enforcement Docket Number:	Not reported

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ROOTO CORP (Continued)

1000415239

Enforcement Attorney:	Not reported
Corrective Action Component:	Not reported
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	Not reported
Enforcement Responsible Person:	Not reported
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported
Found Violation:	No
Agency Which Determined Violation:	Not reported
Violation Short Description:	Not reported
Date Violation was Determined:	Not reported
Actual Return to Compliance Date:	Not reported
Return to Compliance Qualifier:	Not reported
Violation Responsible Agency:	Not reported
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	Not reported
Date of Enforcement Action:	Not reported
Enforcement Responsible Agency:	Not reported
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	Not reported
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	Not reported
Enforcement Responsible Person:	Not reported
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported

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ROOTO CORP (Continued)

1000415239

SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported
Found Violation:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	Generators - Pre-transport
Date Violation was Determined:	19980107
Actual Return to Compliance Date:	19980915
Return to Compliance Qualifier:	Observed
Violation Responsible Agency:	State
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	005
Date of Enforcement Action:	19980217
Enforcement Responsible Agency:	State
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	No
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	STIPULATED PENALTY CALL-IN
Enforcement Responsible Person:	Not reported
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	30000
Paid Amount:	30000
Final Count:	1
Final Amount:	30000
Found Violation:	No
Agency Which Determined Violation:	Not reported
Violation Short Description:	Not reported
Date Violation was Determined:	Not reported
Actual Return to Compliance Date:	Not reported
Return to Compliance Qualifier:	Not reported
Violation Responsible Agency:	Not reported
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	Not reported
Date of Enforcement Action:	Not reported
Enforcement Responsible Agency:	Not reported
Enforcement Docket Number:	Not reported

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ROOTO CORP (Continued)

1000415239

Enforcement Attorney:	Not reported
Corrective Action Component:	Not reported
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	Not reported
Enforcement Responsible Person:	Not reported
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported
Found Violation:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	Generators - Pre-transport
Date Violation was Determined:	19980107
Actual Return to Compliance Date:	19980915
Return to Compliance Qualifier:	Observed
Violation Responsible Agency:	State
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	006
Date of Enforcement Action:	19980915
Enforcement Responsible Agency:	State
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	No
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	FINAL CIVIL JUDICIAL ACTION FOR IMMINENT AND SUBSTANTIAL ENDANGERMENT
Enforcement Responsible Person:	Not reported
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported

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ROOTO CORP (Continued)

1000415239

SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported
Found Violation:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	Generators - General
Date Violation was Determined:	19900814
Actual Return to Compliance Date:	19960530
Return to Compliance Qualifier:	Observed
Violation Responsible Agency:	State
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	001
Date of Enforcement Action:	19900914
Enforcement Responsible Agency:	State
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	No
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	REFERRAL TO ATTORNEY GENERAL
Enforcement Responsible Person:	Not reported
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported
Found Violation:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	Generators - General
Date Violation was Determined:	19900814
Actual Return to Compliance Date:	19960530
Return to Compliance Qualifier:	Observed
Violation Responsible Agency:	State
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	002
Date of Enforcement Action:	19900814
Enforcement Responsible Agency:	State
Enforcement Docket Number:	Not reported

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ROOTO CORP (Continued)

1000415239

Enforcement Attorney:	Not reported
Corrective Action Component:	No
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	WRITTEN INFORMAL
Enforcement Responsible Person:	Not reported
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported
Found Violation:	No
Agency Which Determined Violation:	Not reported
Violation Short Description:	Not reported
Date Violation was Determined:	Not reported
Actual Return to Compliance Date:	Not reported
Return to Compliance Qualifier:	Not reported
Violation Responsible Agency:	Not reported
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	Not reported
Date of Enforcement Action:	Not reported
Enforcement Responsible Agency:	Not reported
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	Not reported
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	Not reported
Enforcement Responsible Person:	Not reported
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported

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ROOTO CORP (Continued)

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SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported
Found Violation:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	Generators - Pre-transport
Date Violation was Determined:	19980107
Actual Return to Compliance Date:	19980915
Return to Compliance Qualifier:	Observed
Violation Responsible Agency:	State
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	005
Date of Enforcement Action:	19980217
Enforcement Responsible Agency:	State
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	No
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	STIPULATED PENALTY CALL-IN
Enforcement Responsible Person:	Not reported
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	30000
Paid Amount:	30000
Final Count:	1
Final Amount:	30000
Found Violation:	No
Agency Which Determined Violation:	Not reported
Violation Short Description:	Not reported
Date Violation was Determined:	Not reported
Actual Return to Compliance Date:	Not reported
Return to Compliance Qualifier:	Not reported
Violation Responsible Agency:	Not reported
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	Not reported
Date of Enforcement Action:	Not reported
Enforcement Responsible Agency:	Not reported
Enforcement Docket Number:	Not reported

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ROOTO CORP (Continued)

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Enforcement Attorney:	Not reported
Corrective Action Component:	Not reported
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	Not reported
Enforcement Responsible Person:	Not reported
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported
Found Violation:	No
Agency Which Determined Violation:	Not reported
Violation Short Description:	Not reported
Date Violation was Determined:	Not reported
Actual Return to Compliance Date:	Not reported
Return to Compliance Qualifier:	Not reported
Violation Responsible Agency:	Not reported
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	Not reported
Date of Enforcement Action:	Not reported
Enforcement Responsible Agency:	Not reported
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	Not reported
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	Not reported
Enforcement Responsible Person:	Not reported
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported

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SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported
Found Violation:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	Generators - General
Date Violation was Determined:	19900814
Actual Return to Compliance Date:	19960530
Return to Compliance Qualifier:	Observed
Violation Responsible Agency:	State
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	003
Date of Enforcement Action:	19920327
Enforcement Responsible Agency:	State
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	No
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	INITIAL CIVIL JUDICIAL ACTION FOR COMPLIANCE AND/OR MONETARY PENALTY
Enforcement Responsible Person:	Not reported
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported
Evaluation Action Summary:	
Evaluation Date:	19980107
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	NON-FINANCIAL RECORD REVIEW
Evaluation Responsible Person Identifier:	Not reported
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	19980915
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported

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ROOTO CORP (Continued)

1000415239

Former Citation:	Not reported
Evaluation Date:	19991201
Evaluation Responsible Agency:	State
Found Violation:	No
Evaluation Type Description:	FOCUSED COMPLIANCE INSPECTION
Evaluation Responsible Person Identifier:	Not reported
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	Not reported
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	19900814
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION
Evaluation Responsible Person Identifier:	Not reported
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	19960530
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	20011218
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	NON-FINANCIAL RECORD REVIEW
Evaluation Responsible Person Identifier:	Not reported
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	Not reported
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	19980507
Evaluation Responsible Agency:	State
Found Violation:	No
Evaluation Type Description:	NO LONGER A SIGNIFICANT NON-COMPLIER
Evaluation Responsible Person Identifier:	Not reported
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	Not reported
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	19980107
Evaluation Responsible Agency:	State
Found Violation:	Yes

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

ROOTO CORP (Continued)

1000415239

Evaluation Type Description:	NON-FINANCIAL RECORD REVIEW
Evaluation Responsible Person Identifier:	Not reported
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	19980915
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	19980427
Evaluation Responsible Agency:	State
Found Violation:	No
Evaluation Type Description:	FOCUSED COMPLIANCE INSPECTION
Evaluation Responsible Person Identifier:	Not reported
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	Not reported
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	19980107
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	SIGNIFICANT NON-COMPLIER
Evaluation Responsible Person Identifier:	Not reported
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	19980915
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	19900814
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION
Evaluation Responsible Person Identifier:	Not reported
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	19960530
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	19900814
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION
Evaluation Responsible Person Identifier:	Not reported
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	19960530
Scheduled Compliance Date:	Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

ROOTO CORP (Continued)

1000415239

Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	19980507
Evaluation Responsible Agency:	EPA
Found Violation:	No
Evaluation Type Description:	NO LONGER A SIGNIFICANT NON-COMPLIER
Evaluation Responsible Person Identifier:	Not reported
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	Not reported
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	19980107
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	SIGNIFICANT NON-COMPLIER
Evaluation Responsible Person Identifier:	Not reported
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	19980915
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	19980421
Evaluation Responsible Agency:	State
Found Violation:	No
Evaluation Type Description:	FOCUSED COMPLIANCE INSPECTION
Evaluation Responsible Person Identifier:	Not reported
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	Not reported
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	19980910
Evaluation Responsible Agency:	State
Found Violation:	No
Evaluation Type Description:	FOCUSED COMPLIANCE INSPECTION
Evaluation Responsible Person Identifier:	Not reported
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	Not reported
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

ROOTO CORP (Continued)

1000415239

Evaluation Date:	19900814
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION
Evaluation Responsible Person Identifier:	Not reported
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	19960530
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported

BROWNFIELDS:

Name:	ROOTO CORP
Address:	3505 W GRAND RIVER
City,State,Zip:	HOWELL, MI

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

ROOTO CORP (Continued)

1000415239

Facility ID: Not reported
Region: 1
Status: Not reported
Property Use: Not reported
BEA: No
Ernie Id Number: 47000026
X Coordinate: Not reported
Y Coordinate: Not reported
Project Name: Not reported
Date Year Funded: Not reported
Total Brownfield Incentives: Not reported
Approved Amount: Not reported
Grant Award Amount: Not reported
Loan Award Amount: Not reported
Waterfront Award Amount: Not reported
Brownfield Site Assessment: Not reported
Development Type: Not reported

PART 201:

Name: ROOTO CORP
Address: 3505 W GRAND RIVER
City,State,Zip: HOWELL, MI 48843
Facility ID: 47000026
Facility Status: Contact Lead Division for current status
Latitude: 42.62375
Source: Chemicals and Allied Products
Longitude: -83.980834
SAM Score: Not reported
SAM Score Date: 2004-08-03
Township: 03N
Range: 04E
Section: 28
Quarter: SE
Quarter/Quarter: SW
Pollutants: As; Cr+6; Pb; Ag; Toluene
Location Type: 201
Work Unit: Not reported
Project Manager: Taylor, Rebecca
Risk Condition: Risks Controlled-Interim

INVENTORY:

Name: ROOTO CORP
Address: 3505 W GRAND RIVER
City,State,Zip: HOWELL, MI 48843
Township: Not reported
District: Lansing
Data Source: Risks Controlled-Interim
Lust Name: Not reported
Regulatory Program: 201
Release Status: Not reported
Project Manager: Taylor, Rebecca
Latitude: 42.62375
Longitude: -83.980834

US AIRS MINOR:

Envid: 1000415239

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

ROOTO CORP (Continued)

1000415239

Region Code: 05
Programmatic ID: AIR MI00000000000B7253
Facility Registry ID: 110000749682
D and B Number: Not reported
Primary SIC Code: 9999
NAICS Code: 325612
Default Air Classification Code: MIN
Facility Type of Ownership Code: POF
Air CMS Category Code: Not reported
HPV Status: Not reported

US AIRS MINOR:

Region Code: 05
Programmatic ID: AIR MI00000000000B7253
Facility Registry ID: 110000749682
Air Operating Status Code: OPR
Default Air Classification Code: MIN
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 1994-05-04 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 05
Programmatic ID: AIR MI00000000000B7253
Facility Registry ID: 110000749682
Air Operating Status Code: OPR
Default Air Classification Code: MIN
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2002-04-29 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

PFAS ECHO:

Name: Rooto Corp
Address: Not reported
City,State,Zip: HOWELL, MI
Latitude: 42.606667
Longitude: -83.925
Count: 1
County: LIVINGSTON
Status: Active
Region: 05
Industry: Cleaning Product Mfg

[ECHO Facility Report:](#)

Facility Percent Minority: 6.221
Facility Derived Tribes: -
Facility Population: 899.42
EPA Programs: CAA; RCRA
Federal Facility: No
Federal Agency: -
Facility FIPS Code: 26093

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

ROOTO CORP (Continued)

1000415239

Facility Indian Country Flag: N
Facility Collection Method: -
Facility Derived HUC: 04080203
Facility Derived WBD: 040802030104
Facility Derived CD113: 08
Facility Derived CB2010: 260937250004027
Facility Major Flag: -
Facility Active Flag: Y
Facility Inspection Count: 0
Facility Date Last Inspection: 8/14/1990
Facility Days Last Inspection: 12,373
Facility Informal Count: 0
Facility Date Last Informal Action: 3/7/2007
Facility Formal Action Count: 0
Facility Date Last Formal Action: 7/20/2017
Facility Total Penalties: 0
Facility Penalty Count: -
Facility Date Last Penalty: 2/17/1998
Facility Last Penalty AMT: 30,000
Facility QTRS With NC: 12
Facility Programs With SNC: 0
Facility Compliance Status: Violation
Facility SNC Flag: N
AIR Flag: Y
NPDES Flag: N
SDWIS Flag: N
RCRA Flag: Y
TRI Flag: N
GHG Flag: N
AIR IDS: MI000000000000B7253
CAA Permit Types: Minor Emissions
CAA NAICS: 325612
CAA SICs: 9999
NPDES IDS: -
CWA Permit Types: -
CWA NAICS: -
CWA SICs: -
RCRA IDS: MID058805367
RCRA Permit Types: VSQG
RCRA NAICS: 11131 56291
SDWA IDS: -
SDWA System Types: -
SDWA Compliance Status: -
SDWA SNC Flag: N
TRI IDS: 48843RTRCP3505W
TRI Releases Transfers: -
TRI On Site Releases: -
TRI Off Site Transfers: -
TRI Reporter: -
Facility IMP Water Flag: -
EJSCREEN Flag US: N

[EJSCREEN Report:](#)

WDS:

Name: ROOTO CORP
Address: 3505 W GRAND RIVER AVE

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

ROOTO CORP (Continued)

1000415239

City,State,Zip: HOWELL, MI 48855
Site Id: MID058805367
WMD Id: 396467
Site Specific Name: ROOTO CORP
Mailing Address: 3505 W GRAND RIVER AVE
Mailing City/State/Zip: 48855
Mailing County: LIVINGSTON

14
SSW
1/2-1
0.878 mi.
4634 ft.

TELEDYNE HOWELL - PENNCRAFT
3333 W GRAND RIVER
HOWELL, MI 48843

INVENTORY **S110531708**
PART 201 **N/A**
AIRS
BEA
WDS

Relative:
Higher
Actual:
944 ft.
Client Plot

INVENTORY:
Name: TELEDYNE HOWELL - PENNCRAFT
Address: 3333 W GRAND RIVER
City,State,Zip: HOWELL, MI 48843
Township: temptownship
District: Lansing
Data Source: Risks Present and Require Action in Short-term
Lust Name: Not reported
Regulatory Program: 201
Release Status: Not reported
Project Manager: Taylor, Rebecca
Latitude: 42.62414
Longitude: -83.979686

PART 201:
Name: TELEDYNE HOWELL - PENNCRAFT
Address: 3333 W GRAND RIVER
City,State,Zip: HOWELL, MI 48843
Facility ID: 47000149
Facility Status: Interim Response in progress
Latitude: 42.62414
Source: Iron & Steel Forgings
Longitude: -83.979686
SAM Score: Not reported
SAM Score Date: 2005-05-17
Township: 03N
Range: 04E
Section: 28
Quarter: NE
Quarter/Quarter: SW
Pollutants: TCE; cis-1,2 DCE
Location Type: 201
Work Unit: Not reported
Project Manager: Taylor, Rebecca
Risk Condition: Risks Present and Require Action in Short-term

AIRS:
Name: TELEDYNE HOWELL PENNCRAFT
Address: 3333 W GRAND RIVER AVENUE
City,State,Zip: HOWELL, MI 48843
State Registration Number: N2236
Naics Code: Not reported
Contact Email: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

TELEDYNE HOWELL - PENNCRAFT (Continued)

S110531708

Contact Name: Not reported
Contact Phone: Not reported
Contact Address: Not reported
Contact City,St,Zip: Not reported
Permit Number: 676-89
Date Received: 08/07/1989
Application Reason: DUST COLLECTOR
Record Type: Not reported
State County FIPS: Not reported
Facility Category: Not reported
SIC Primary: Not reported
Tribal Code: Not reported
Facility Status Code: Not reported
Facility Status: Active
Supplemental Location Text: Not reported
Business Name: Not reported
Principal Product: Not reported
Principal Product Description: Not reported
UTM Zone (Geo Coordinates Universal Transverse Mercator System): Not reported
UTM Horizontal Coord: Not reported
UTM Vertical Coord: Not reported
Mailing Name: Not reported
Mailing Contact Person: Not reported
Mailing Street: Not reported
Mailing City: Not reported
Mailing State: Not reported
Mailing Zip: Not reported
Mailing Zip 4 Extension: Not reported
Compliance Person: Not reported
Compliance Area Code: Not reported
Compliance Phone Number: Not reported
Emission Inventory Contact Person: Not reported
EI Contact Area Code: Not reported
EI Contact Phone Number: Not reported
Permit Contact Person: Not reported
Permit Contact Person Area Code: Not reported
Permit Contact Person Phone Number: Not reported
Federal Employer Id Number: Not reported
Of Employees: Not reported
Reporting Year: Not reported
Date Record Was Created: Not reported

BEA:

Name: 3333 WEST GRAND RIVER AVENUE
Address: 3333 W. GRAND RIVER AVE.
City,State,Zip: HOWELL, MI
Secondary Address: Not reported
BEA Number: 261
District: Lansing
Date Received: 06/26/1998
Submitter Name: SPS Technologies, Inc.
Petition Determination: Affirmed
Petition Disclosure: 1
Category: D
Determination 20107A: Affirmed
Reviewer: tempm
Division Assigned: ERD

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

TELEDYNE HOWELL - PENNCRAFT (Continued)

S110531708

Location ID:	Not reported
Submittal Type:	Not reported
Submittal Number:	Not reported
Approval Status:	Not reported
Workflow Status:	Not reported
Date Submitted:	Not reported
Date Completed:	Not reported
Township:	Not reported
Work Unit:	Not reported
Comments:	Not reported
Organization:	Not reported
Contact:	Not reported
Contact Type:	Not reported
Organization Street Address:	Not reported
Organization City:	Not reported
Organization State:	Not reported
Organization Zip Code:	Not reported
Organization County:	Not reported
Contact Street Address:	Not reported
Contact City:	Not reported
Contact Zip Code:	Not reported
Contact State:	Not reported
Name:	Not reported
Address:	3333 W. GRAND RIVER AVENUE
City,State,Zip:	HOWELL, MI 48843
Secondary Address:	Not reported
BEA Number:	855
District:	Lansing
Date Received:	08/26/2004
Submitter Name:	Industrial REsin REcycling, Inc.
Petition Determination:	No Request
Petition Disclosure:	0
Category:	D
Determination 20107A:	No Request
Reviewer:	taylorre
Division Assigned:	ERD
Location ID:	Not reported
Submittal Type:	Not reported
Submittal Number:	Not reported
Approval Status:	Not reported
Workflow Status:	Not reported
Date Submitted:	Not reported
Date Completed:	Not reported
Township:	Not reported
Work Unit:	Not reported
Comments:	Not reported
Organization:	Not reported
Contact:	Not reported
Contact Type:	Not reported
Organization Street Address:	Not reported
Organization City:	Not reported
Organization State:	Not reported
Organization Zip Code:	Not reported
Organization County:	Not reported
Contact Street Address:	Not reported
Contact City:	Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

TELEDYNE HOWELL - PENNCRAFT (Continued)

S110531708

Contact Zip Code:	Not reported
Contact State:	Not reported
Name:	TELEDYNE HOWELL - PENNCRAFT
Address:	3333 W GRAND RIVER
City,State,Zip:	HOWELL, MI 48843
Secondary Address:	Not reported
BEA Number:	Not reported
District:	Not reported
Date Received:	08/26/2004
Submitter Name:	Not reported
Petition Determination:	Not reported
Petition Disclosure:	Not reported
Category:	Not reported
Determination 20107A:	Not reported
Reviewer:	Not reported
Division Assigned:	Not reported
Location ID:	47000149
Submittal Type:	BEA
Submittal Number:	B200400855LA
Approval Status:	RRD Received
Workflow Status:	Submitted
Date Submitted:	08/30/2004
Date Completed:	Not reported
Township:	Not reported
Work Unit:	Lansing
Comments:	Listed site of environmental contamination. #47000149. Interim Response activities in progress in an attempt to address off-site migration of TCE plume. Groundwater injection of whey to produce anaerobic conditions to destroy the chlorinated solvents. RI not complete. Access problems with adjacent property, Ditch Witch. File at RC--1079789
Organization:	Industrial REsin REcycling, Inc.
Contact:	Not reported
Contact Type:	Not reported
Organization Street Address:	Not reported
Organization City:	Not reported
Organization State:	Not reported
Organization Zip Code:	Not reported
Organization County:	Not reported
Contact Street Address:	Not reported
Contact City:	Not reported
Contact Zip Code:	Not reported
Contact State:	Not reported
Name:	TELEDYNE HOWELL - PENNCRAFT
Address:	3333 W GRAND RIVER
City,State,Zip:	HOWELL, MI 48843
Secondary Address:	Not reported
BEA Number:	Not reported
District:	Not reported
Date Received:	02/11/2016
Submitter Name:	Not reported
Petition Determination:	Not reported
Petition Disclosure:	Not reported
Category:	Not reported
Determination 20107A:	Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

TELEDYNE HOWELL - PENNCRAFT (Continued)

S110531708

Reviewer: Not reported
Division Assigned: Not reported
Location ID: 47000149
Submittal Type: BEA
Submittal Number: B201602146LA
Approval Status: RRD Received
Workflow Status: Submitted
Date Submitted: 02/17/2016
Date Completed: Not reported
Township: Not reported
Work Unit: Lansing
Comments: BEA contains no new info - useful historic documents copied with BEA text for the file. Not necessary to notify LCHD (municipal water supply). However, the new owner plans on installing a 20,000 square foot addition - it is important the find out where this would be (should be to the east or north). Category A1 (Part 201 Facility ID #47000149.) REVIEW CONCLUSION: BEA is entirely of previously identified concerns, and concerns have already been dealt with appropriately. FURTHER ASSESSM

Organization: J MAD, LLC
Contact: Not reported
Contact Type: Not reported
Organization Street Address: Not reported
Organization City: Not reported
Organization State: Not reported
Organization Zip Code: Not reported
Organization County: Not reported
Contact Street Address: Not reported
Contact City: Not reported
Contact Zip Code: Not reported
Contact State: Not reported

Name: TELEDYNE HOWELL - PENNCRAFT
Address: 3333 W GRAND RIVER
City,State,Zip: HOWELL, MI 48843
Secondary Address: Not reported
BEA Number: Not reported
District: Not reported
Date Received: 06/26/1998
Submitter Name: Not reported
Petition Determination: Not reported
Petition Disclosure: Not reported
Category: Not reported
Determination 20107A: Not reported
Reviewer: Not reported
Division Assigned: Not reported
Location ID: 47000149
Submittal Type: BEA
Submittal Number: P199800261LA
Approval Status: RRD Received
Workflow Status: Submitted
Date Submitted: 01/31/2004
Date Completed: Not reported
Township: Not reported
Work Unit: Lansing
Comments: Not reported
Organization: SPS TECHNOLOGIES INC

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

TELEDYNE HOWELL - PENNCRAFT (Continued)

S110531708

Contact: Not reported
Contact Type: Not reported
Organization Street Address: Not reported
Organization City: Not reported
Organization State: Not reported
Organization Zip Code: Not reported
Organization County: Not reported
Contact Street Address: Not reported
Contact City: Not reported
Contact Zip Code: Not reported
Contact State: Not reported

Name: TELEDYNE HOWELL - PENNCRAFT
Address: 3333 W. GRAND RIVER
City,State,Zip: HOWELL, MI 48843
Secondary Address: Not reported
BEA Number: Not reported
District: Not reported
Date Received: 06/26/1998
Submitter Name: Not reported
Petition Determination: Not reported
Petition Disclosure: Not reported
Category: Not reported
Determination 20107A: Not reported
Reviewer: Not reported
Division Assigned: Not reported
Location ID: 47000149
Submittal Type: Baseline Environmental Assessment
Submittal Number: P199800261LA
Approval Status: RRD Received
Workflow Status: Submitted
Date Submitted: 01/31/2004
Date Completed: Not reported
Township: temptownship
Work Unit: Lansing
Comments: Not reported
Organization: SPS Technologies, Inc.
Contact: Not reported
Contact Type: Not reported
Organization Street Address: Not reported
Organization City: Not reported
Organization State: Not reported
Organization Zip Code: Not reported
Organization County: Not reported
Contact Street Address: Not reported
Contact City: Not reported
Contact Zip Code: Not reported
Contact State: Not reported

Name: TELEDYNE HOWELL - PENNCRAFT
Address: 3333 W. GRAND RIVER
City,State,Zip: HOWELL, MI 48843
Secondary Address: Not reported
BEA Number: Not reported
District: Not reported
Date Received: 02/11/2016
Submitter Name: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

TELEDYNE HOWELL - PENNCRAFT (Continued)

S110531708

Petition Determination:	Not reported
Petition Disclosure:	Not reported
Category:	Not reported
Determination 20107A:	Not reported
Reviewer:	Not reported
Division Assigned:	Not reported
Location ID:	47000149
Submittal Type:	Baseline Environmental Assessment
Submittal Number:	B201602146LA
Approval Status:	RRD Received
Workflow Status:	Submitted
Date Submitted:	02/17/2016
Date Completed:	Not reported
Township:	temptownship
Work Unit:	Lansing
Comments:	BEA contains no new info - useful historic documents copied with BEA text for the file. Not necessary to notify LCHD (municipal water supply). However, the new owner plans on installing a 20,000 square foot addition - it is important the find out where this would be (should be to the east or north). Category A1 (Part 201 Facility ID #47000149.) REVIEW CONCLUSION: BEA is entirely of previously identified concerns, and concerns have already been dealt with appropriately. FURTHER ASSESSM
Organization:	JMAD, LLC
Contact:	Not reported
Contact Type:	Not reported
Organization Street Address:	Not reported
Organization City:	Not reported
Organization State:	Not reported
Organization Zip Code:	Not reported
Organization County:	Not reported
Contact Street Address:	Not reported
Contact City:	Not reported
Contact Zip Code:	Not reported
Contact State:	Not reported
Name:	TELEDYNE HOWELL - PENNCRAFT
Address:	3333 W. GRAND RIVER
City,State,Zip:	HOWELL, MI 48843
Secondary Address:	Not reported
BEA Number:	Not reported
District:	Not reported
Date Received:	08/26/2004
Submitter Name:	Not reported
Petition Determination:	Not reported
Petition Disclosure:	Not reported
Category:	Not reported
Determination 20107A:	Not reported
Reviewer:	Not reported
Division Assigned:	Not reported
Location ID:	47000149
Submittal Type:	Baseline Environmental Assessment
Submittal Number:	B200400855LA
Approval Status:	RRD Received
Workflow Status:	Submitted
Date Submitted:	08/30/2004
Date Completed:	Not reported

Map ID
 Direction
 Distance
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
 EPA ID Number

TELEDYNE HOWELL - PENNCRAFT (Continued)

S110531708

Township: temptownship
 Work Unit: Lansing
 Comments: Listed site of environmental contamination. #47000149. Interim Response activities in progress in an attempt to address off-site migration of TCE plume. Groundwater injection of whey to produce anaerobic conditions to destroy the chlorinated solvents. RI not complete. Access problems with adjacent property, Ditch Witch. File at RC--1079789
 Organization: Industrial REsin REcycling, Inc.
 Contact: Not reported
 Contact Type: Not reported
 Organization Street Address: Not reported
 Organization City: Not reported
 Organization State: Not reported
 Organization Zip Code: Not reported
 Organization County: Not reported
 Contact Street Address: Not reported
 Contact City: Not reported
 Contact Zip Code: Not reported
 Contact State: Not reported

WDS:

Name: TDY INDUSTRIES LLC
 Address: 3333 W GRAND RIVER AVE
 City,State,Zip: HOWELL, MI 48855
 Site Id: MIK497662965
 WMD Id: 488917
 Site Specific Name: FORMER TELEDYNE HOWELL PENNCRAFT
 Mailing Address: 48 PRESTBURY SQ
 Mailing City/State/Zip: 19713
 Mailing County: Not reported

Name: HOWELL PENNCRAFT
 Address: 3333 W GRAND RIVER AVE
 City,State,Zip: HOWELL, MI 48855
 Site Id: MID053346011
 WMD Id: 396165
 Site Specific Name: HOWELL PENNCRAFT
 Mailing Address: 3333 W GRAND RIVER AVE
 Mailing City/State/Zip: 48855
 Mailing County: LIVINGSTON

**15
 SW
 1/2-1
 0.955 mi.
 5042 ft.**

**CITIZENS INSURANCE CO
 1800 N BURKHART RD
 HOWELL, MI 48855**

**LUST U000258503
 UST N/A
 INVENTORY
 PART 201
 BEA**

**Relative:
 Higher
 Actual:
 931 ft.**

LUST:
 Name: CITIZENS INSURANCE CO
 Address: 1800 N BURKHART RD
 City,State,Zip: HOWELL, MI 48855
 Facility ID: 20046
 Source: Not reported
 Owner Name: Wigent, James
 Owner Address: Not reported
 Owner City,St,Zip: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CITIZENS INSURANCE CO (Continued)

U000258503

Owner Contact: Not reported
Owner Phone: Not reported
Country: Not reported
District: Lansing
Site Name: Citizens Insurance Co. Of Americ
Latitude: 42.62480
Longitude: -83.99333
Date of Collection: Not reported
Method of Collection: The geographic coordinate determination method based on address matching-house number.
Accuracy: 100
Accuracy Value Unit: Not reported
Horizontal Data: North American Datum of 1983
Point Line Area: Not reported
Desc Category: Not reported
Regulatory Program: Not reported
Risk Condition: Not reported
Project Manager: Not reported
Senate District: Not reported
House District: Not reported
US Congressional District: Not reported

Leak Number: 16606
Release Date: 10/23/1990
Substance Released: Not reported
Release Status: Closed
Release Closed Date: 08/05/1992

Leak Number: C-2138-90
Release Date: 10/23/1990
Substance Released: Not reported
Release Status: Closed
Release Closed Date: 08/05/1992

UST:

Name: CITIZENS INSURANCE CO
Address: 1800 N BURKHART RD
City,State,Zip: HOWELL 48855-9690
Facility Type: CLOSED
Facility ID: 00020046
Owner Name: CITIZENS INSURANCE CO
Owner Address: 645 W GRAND RIVER AVE
Owner City: HOWELL
Owner State: MI
Owner Zip: 48843-2151
Owner Contact: Not reported
Owner Phone: 5175462160
Contact: DONALD CALLAGHAN
Contact Phone: (517) 546-2160
Date of Collection: 01/11/2001
Accuracy: 100
Horizontal Datum: NAD83
Accuracy Value Unit: FEET
Source: STATE OF MICHIGAN
Point Line Area: POINT
Desc Category: Plant Entrance (Freight)
Method of Collection: Address Matching-House Number
District: Lansing District Office

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CITIZENS INSURANCE CO (Continued)

U000258503

Tank ID: 2
Capacity: 5000
Tank Status: Removed from Ground
Substance: Gasoline
Install Date: 07/07/1982
Remove Date: 09/06/1991
Tank Number: Not reported
Tank Details Compartments: Not reported
Tank Release Detection: Not reported
Pipe Release Detection: Not reported
Piping Material: Not reported
Piping Type: Not reported
Tank Construction: Not reported
Impressed Device: Not reported
Latitude: 42.62480
Longitude: -83.99333

Name: CITIZENS INSURANCE CO
Address: 1800 N BURKHART RD
City,State,Zip: HOWELL 48855-9690
Facility Type: CLOSED
Facility ID: 00020046
Owner Name: CITIZENS INSURANCE CO
Owner Address: 645 W GRAND RIVER AVE
Owner City: HOWELL
Owner State: MI
Owner Zip: 48843-2151
Owner Contact: Not reported
Owner Phone: 5175462160
Contact: DONALD CALLAGHAN
Contact Phone: (517) 546-2160
Date of Collection: 01/11/2001
Accuracy: 100
Horizontal Datum: NAD83
Accuracy Value Unit: FEET
Source: STATE OF MICHIGAN
Point Line Area: POINT
Desc Category: Plant Entrance (Freight)
Method of Collection: Address Matching-House Number
District: Lansing District Office
Tank ID: 1
Capacity: 5000
Tank Status: Removed from Ground
Substance: Gasoline
Install Date: 07/07/1982
Remove Date: 09/06/1991
Tank Number: Not reported
Tank Details Compartments: Not reported
Tank Release Detection: Not reported
Pipe Release Detection: Not reported
Piping Material: Not reported
Piping Type: Not reported
Tank Construction: Not reported
Impressed Device: Not reported
Latitude: 42.62480
Longitude: -83.99333

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CITIZENS INSURANCE CO (Continued)

U000258503

INVENTORY:

Name: 1800 BURKHART ROAD
Address: 1800 NORTH BURKHART ROAD
City,State,Zip: HOWELL, MI 48855
Township: Howell
District: Lansing
Data Source: Risks Present and Require Action in Short-term
Lust Name: Not reported
Regulatory Program: 201
Release Status: Not reported
Project Manager: Taylor, Rebecca
Latitude: 42.625619
Longitude: -83.992465

PART 201:

Name: 1800 BURKHART ROAD
Address: 1800 NORTH BURKHART ROAD
City,State,Zip: HOWELL, MI 48855
Facility ID: 47000212
Facility Status: Interim Response conducted - No further activities anticipated
Latitude: 42.625619
Source: Misc Manufacturing Industries
Longitude: -83.992465
SAM Score: Not reported
SAM Score Date: 2004-01-16
Township: 2N
Range: 4E
Section: 28
Quarter: SW
Quarter/Quarter: SW
Pollutants: 1,1,1 TCA; 1,1 DCA; 1,1 DCE; As; Cr+6; Naphthalene; Se; PCE; TCE; VC;
cis-1,2 DCE
Location Type: 201
Work Unit: Not reported
Project Manager: Taylor, Rebecca
Risk Condition: Risks Present and Require Action in Short-term

BEA:

Name: 1800 BURKHART ROAD
Address: 1800 NORTH BURKHART ROAD
City,State,Zip: HOWELL, MI 48855
Secondary Address: Not reported
BEA Number: Not reported
District: Not reported
Date Received: 08/03/2016
Submitter Name: Not reported
Petition Determination: Not reported
Petition Disclosure: Not reported
Category: Not reported
Determination 20107A: Not reported
Reviewer: Not reported
Division Assigned: Not reported
Location ID: 47000212
Submittal Type: Not reported
Submittal Number: B201602196LA
Approval Status: RRD Received

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CITIZENS INSURANCE CO (Continued)

U000258503

Workflow Status: System
Date Submitted: 08/04/2016
Date Completed: Not reported
Township: Not reported
Work Unit: Lansing
Comments: Category A3 (47000212) REVIEW CONCLUSION: BEA is entirely of previously identified concerns, and further follow up is required. VI is a concern for the day care and other portions of the building. Documentation of due care was denied for the building facility by the DEQ-RRD September 17, 2015 due to lack of vapor source delineation, incomplete site-specific conceptual site model. Direct contact pathway a concern for the fenced day-care play area and controls to prevent exposure over time. Selected figures and text from the BEA, covering Parcel 6 was copied for the Part 201 facility file. Updated notice of Migration. FURTHER ASSESSMENT, NOTIFICATION, AND/OR MITIGATION ACTION TO BE TAKEN: complete evaluation of vapor sources, chlorinated solvents under the building or adjacent. Soil gas data should be collected. Facility connected to the municipal water supply in 2006. Vapor intrusion concerns may prompt reengagement by requesting documentation of Due Care since no reply to the DEQ correspondence. Site is in a wellhead protection zone. Notification provided to: LCHD Date:December 13, 2016 Matt Bolang - Area serviced by municipal water but in a wellhead protection zone. August 5, 2016 Notice of Migration update transmitted; previous BEA data transmitted to LCHD has not changed
Organization: Guided Mission Investments, LLC
Contact: Dwayne Combs, Migrate from ERNIE
Contact Type: Not reported
Organization Street Address: 734 South Howell Street, Pinckney, MI, 48169
Organization City: Pinckney
Organization State: MI
Organization Zip Code: 48169
Organization County: Not reported
Contact Street Address: No Address Provided
Contact City: No City
Contact Zip Code: Not reported
Contact State: Not reported
Name: 1800 BURKHART ROAD
Address: 1800 NORTH BURKHART ROAD
City,State,Zip: HOWELL, MI 48855
Secondary Address: Not reported
BEA Number: Not reported
District: Not reported
Date Received: 01/08/2003
Submitter Name: Not reported
Petition Determination: Not reported
Petition Disclosure: Not reported
Category: Not reported
Determination 20107A: Not reported
Reviewer: Not reported
Division Assigned: Not reported
Location ID: 47000212
Submittal Type: Not reported
Submittal Number: B200300701LA
Approval Status: RRD Received
Workflow Status: System

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CITIZENS INSURANCE CO (Continued)

U000258503

Date Submitted: 01/31/2004
Date Completed: Not reported
Township: Not reported
Work Unit: Lansing
Comments: File at RC--1063336
Organization: Burkhart Investments, L.L.C.
Contact: Mr. Rick Jackson, Migrate from ERNIE
Contact Type: Not reported
Organization Street Address: 1111 Oakley Park, Walled Lake, MI, 48390
Organization City: Walled Lake
Organization State: MI
Organization Zip Code: 48390
Organization County: Not reported
Contact Street Address: No Address Provided
Contact City: No City
Contact Zip Code: Not reported
Contact State: Not reported

C16
SSE
1/2-1
0.990 mi.
5228 ft.

LUCY ROAD RESOURCES
2440 W HIGHLAND RD
HOWELL, MI 48843

Site 1 of 2 in cluster C

INVENTORY S107696344
PART 201 N/A
BEA
WDS
ENVIRO

Relative:
Higher
Actual:
882 ft.

INVENTORY:
Name: SHIAWASSEE RIVER
Address: 2440 WEST HIGHLAND ROAD
City,State,Zip: HOWELL, MI 48843
Township: Howell
District: Superfund
Data Source: Risks Present and Immediate
Lust Name: Not reported
Regulatory Program: 201
Release Status: Not reported
Project Manager: Schafer, Mary
Latitude: 42.62317712
Longitude: -83.96328868

PART 201:
Name: SHIAWASSEE RIVER
Address: 2440 WEST HIGHLAND ROAD
City,State,Zip: HOWELL, MI 48843
Facility ID: 47000027
Facility Status: Evaluation in progress
Latitude: 42.62317712
Source: Fabricated Metal Products
Longitude: -83.96328868
SAM Score: Not reported
SAM Score Date: 2007-03-07
Township: 03N
Range: 04E
Section: 22
Quarter: Not reported
Quarter/Quarter: Not reported
Pollutants: PBB's; PCB's
Location Type: 201
Work Unit: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

LUCY ROAD RESOURCES (Continued)

S107696344

Project Manager: Schafer, Mary
Risk Condition: Risks Present and Immediate

BEA:

Name: SHIAWASSEE RIVER
Address: 2440 W HIGHLAND RD
City,State,Zip: HOWELL, MI 48843
Secondary Address: Not reported
BEA Number: Not reported
District: Not reported
Date Received: 07/21/2010
Submitter Name: Not reported
Petition Determination: Not reported
Petition Disclosure: Not reported
Category: Not reported
Determination 20107A: Not reported
Reviewer: Not reported
Division Assigned: Not reported
Location ID: 47000027
Submittal Type: BEA
Submittal Number: B201001523LA
Approval Status: RRD Received
Workflow Status: Submitted
Date Submitted: 07/26/2010
Date Completed: Not reported
Township: Not reported
Work Unit: Superfund
Comments: Submittal, Category N. Submitter owns Regal Recycling LLC of Howell. Chlorinated solvents and metals found in excess of Part 201 criteria by AKT Peerless consultant. See attached e-mail. This Part 201 facility is part of a Superfund Site known as Shiawassee River Sediments (NPL since 1983).

Organization: Lucy Road Resources, LLC
Contact: Not reported
Contact Type: Not reported
Organization Street Address: Not reported
Organization City: Not reported
Organization State: Not reported
Organization Zip Code: Not reported
Organization County: Not reported
Contact Street Address: Not reported
Contact City: Not reported
Contact Zip Code: Not reported
Contact State: Not reported

Name: SHIAWASSEE RIVER
Address: 2440 WEST HIGHLAND ROAD
City,State,Zip: HOWELL, MI 48843
Secondary Address: Not reported
BEA Number: Not reported
District: Not reported
Date Received: 07/21/2010
Submitter Name: Not reported
Petition Determination: Not reported
Petition Disclosure: Not reported
Category: Not reported
Determination 20107A: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

LUCY ROAD RESOURCES (Continued)

S107696344

Reviewer: Not reported
Division Assigned: Not reported
Location ID: 47000027
Submittal Type: Baseline Environmental Assessment
Submittal Number: B201001523LA
Approval Status: RRD Received
Workflow Status: Submitted
Date Submitted: 07/26/2010
Date Completed: Not reported
Township: Howell
Work Unit: Superfund
Comments: Submittal, Category N. Submitter owns Regal Recycling LLC of Howell. Chlorinated solvents and metals found in excess of Part 201 criteria by AKT Peerless consultant. See attached e-mail. This Part 201 facility is part of a Superfund Site known as Shiawassee River Sediments (NPL since 1983).

Organization: Lucy Road Resources, LLC
Contact: Not reported
Contact Type: Not reported
Organization Street Address: Not reported
Organization City: Not reported
Organization State: Not reported
Organization Zip Code: Not reported
Organization County: Not reported
Contact Street Address: Not reported
Contact City: Not reported
Contact Zip Code: Not reported
Contact State: Not reported

Name: 2440 WEST HIGHLAND ROAD
Address: 2440 WEST HIGHLAND ROAD
City,State,Zip: HOWELL, MI
Secondary Address: Not reported
BEA Number: 1523
District: Lansing
Date Received: 07/21/2010
Submitter Name: Lucy Road Resources, LLC
Petition Determination: No Request
Petition Disclosure: 0
Category: N
Determination 20107A: No Request
Reviewer: taylorre
Division Assigned: RRD
Location ID: Not reported
Submittal Type: Not reported
Submittal Number: Not reported
Approval Status: Not reported
Workflow Status: Not reported
Date Submitted: Not reported
Date Completed: Not reported
Township: Not reported
Work Unit: Not reported
Comments: Not reported
Organization: Not reported
Contact: Not reported
Contact Type: Not reported
Organization Street Address: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

LUCY ROAD RESOURCES (Continued)

S107696344

Organization City: Not reported
Organization State: Not reported
Organization Zip Code: Not reported
Organization County: Not reported
Contact Street Address: Not reported
Contact City: Not reported
Contact Zip Code: Not reported
Contact State: Not reported

WDS:

Name: EXPERT CLEANING SOLUTIONS INC
Address: 2440 W HIGHLAND RD
City,State,Zip: HOWELL, MI 48843
Site Id: MIK208241059
WMD Id: 497141
Site Specific Name: E.C.S LLC
Mailing Address: 2440 W HIGHLAND RD
Mailing City/State/Zip: 48843
Mailing County: LIVINGSTON

Name: LUCY ROAD RESOURCES LLC
Address: 2440 W HIGHLAND RD
City,State,Zip: HOWELL, MI 48843
Site Id: MID980792279
WMD Id: 399229
Site Specific Name: LUCY ROAD RESOURCES LLC
Mailing Address: 2440 W HIGHLAND RD
Mailing City/State/Zip: 48843
Mailing County: LIVINGSTON

ENVIRO:

Site ID: 8178180441597500797
Name: LUCY ROAD RESOURCES
Address: 2440 W HIGHLAND RD
Latitude: 42.6253
Longitude: -83.9612

[Site URL:](#)

Document File:

Site ID: 8178180441597500797
Document ID: -1082944967092031996
Document Name: HPM-GZDD-86M39 V1.pdf
Document Type: Misc. Application and Request Docs
Document Description: Application/Request: HPM-GZDD-86M39. Submission PDF
Document Date: 9/8/2022 12:00:00 AM
Site Number: XV6F-0FTH-0R1

[URL:](#)

Site ID: 8178180441597500797
Document ID: 6800503046196543744
Document Name: Incomplete Notice of Coverage - Lucy Road Resources (Submission #HPM-GZDD-86M39).pdf
Document Type: Misc. Application and Request Docs
Document Description: Application/Request: HPM-GZDD-86M39.
Document Date: 10/19/2022 12:00:00 AM

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

LUCY ROAD RESOURCES (Continued)

S107696344

Site Number: XV6F-0FTH-0R1

[URL:](#)

Site ID: 8178180441597500797
Document ID: -3842991312837512550
Document Name: 22-094_SESC Plan_082622_v1.pdf
Document Type: Form Submission Attachments
Document Description: Application/Request: HPM-GZDD-86M39. nForm Document
Document Date: 9/8/2022 12:00:00 AM
Site Number: XV6F-0FTH-0R1

[URL:](#)

Site ID: 8178180441597500797
Document ID: 5472575886620218480
Document Name: RE_Submission Status Change Notification - HPM-GZDD-86M39_Lucy Road Resources.pdf
Document Type: Misc. Application and Request Docs
Document Description: Application/Request: HPM-GZDD-86M39.
Document Date: 11/9/2022 12:00:00 AM
Site Number: XV6F-0FTH-0R1

[URL:](#)

**C17
SSE
1/2-1
0.990 mi.
5228 ft.**

**SHIAWASSEE RIVER
2440 W HIGHLAND ROAD
HOWELL, MI 48843**

**ROD 1029210840
PFAS NPL N/A**

Site 2 of 2 in cluster C

**Relative:
Higher
Actual:
882 ft.**

ROD: No Details: No Details
PFAS NPL: EPA Region: 05
Name: SHIAWASSEE RIVER
Address: 2440 W HIGHLAND ROAD
City,State,Zip: HOWELL, MI 48843
EPAID: MID980794473

[Superfund Link:](#)

Data Systems: SEMS
Location Type: Not reported
NPL Site: Yes
NPL Status: Final
Media Detected: Not reported
Latitude: 42.622781
Longitude: -83.963611

[EJSCREEN Report:](#)

Count: 0 records.

ORPHAN SUMMARY

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

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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

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

STANDARD ENVIRONMENTAL RECORDS

Lists of Federal NPL (Superfund) sites

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: 09/25/2024	Source: EPA
Date Data Arrived at EDR: 10/01/2024	Telephone: N/A
Date Made Active in Reports: 10/23/2024	Last EDR Contact: 12/03/2024
Number of Days to Update: 22	Next Scheduled EDR Contact: 01/06/2025
	Data Release Frequency: Quarterly

NPL Site Boundaries

Sources:

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

EPA Region 1
Telephone 617-918-1143

EPA Region 6
Telephone: 214-655-6659

EPA Region 3
Telephone 215-814-5418

EPA Region 7
Telephone: 913-551-7247

EPA Region 4
Telephone 404-562-8033

EPA Region 8
Telephone: 303-312-6774

EPA Region 5
Telephone 312-886-6686

EPA Region 9
Telephone: 415-947-4246

EPA Region 10
Telephone 206-553-8665

Proposed NPL: Proposed National Priority List Sites

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

Date of Government Version: 09/25/2024	Source: EPA
Date Data Arrived at EDR: 10/01/2024	Telephone: N/A
Date Made Active in Reports: 10/23/2024	Last EDR Contact: 12/03/2024
Number of Days to Update: 22	Next Scheduled EDR Contact: 01/06/2025
	Data Release Frequency: Quarterly

NPL LIENS: Federal Superfund Liens

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

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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

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

Lists of Federal Delisted NPL sites

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: 09/25/2024
Date Data Arrived at EDR: 10/01/2024
Date Made Active in Reports: 10/23/2024
Number of Days to Update: 22

Source: EPA
Telephone: N/A
Last EDR Contact: 12/03/2024
Next Scheduled EDR Contact: 01/06/2025
Data Release Frequency: Quarterly

Lists of Federal sites subject to CERCLA removals and CERCLA orders

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: 06/07/2024
Date Data Arrived at EDR: 06/25/2024
Date Made Active in Reports: 09/19/2024
Number of Days to Update: 86

Source: Environmental Protection Agency
Telephone: 703-603-8704
Last EDR Contact: 09/24/2024
Next Scheduled EDR Contact: 01/09/2025
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: 09/25/2024
Date Data Arrived at EDR: 10/01/2024
Date Made Active in Reports: 10/23/2024
Number of Days to Update: 22

Source: EPA
Telephone: 800-424-9346
Last EDR Contact: 12/03/2024
Next Scheduled EDR Contact: 01/20/2025
Data Release Frequency: Quarterly

Lists of Federal CERCLA sites with NFRAP

SEMS-ARCHIVE: Superfund Enterprise Management System Archive

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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

Date of Government Version: 09/25/2024	Source: EPA
Date Data Arrived at EDR: 10/01/2024	Telephone: 800-424-9346
Date Made Active in Reports: 10/23/2024	Last EDR Contact: 12/03/2024
Number of Days to Update: 22	Next Scheduled EDR Contact: 01/20/2025
	Data Release Frequency: Quarterly

Lists of Federal RCRA facilities undergoing Corrective Action

CORRACTS: Corrective Action Report

CORRACTS identifies hazardous waste handlers with RCRA corrective action activity.

Date of Government Version: 09/16/2024	Source: EPA
Date Data Arrived at EDR: 09/17/2024	Telephone: 800-424-9346
Date Made Active in Reports: 12/06/2024	Last EDR Contact: 09/17/2024
Number of Days to Update: 80	Next Scheduled EDR Contact: 12/30/2024
	Data Release Frequency: Quarterly

Lists of Federal RCRA TSD facilities

RCRA-TSDF: RCRA - Treatment, Storage and Disposal

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

Date of Government Version: 09/16/2024	Source: Environmental Protection Agency
Date Data Arrived at EDR: 09/17/2024	Telephone: 312-886-6186
Date Made Active in Reports: 12/06/2024	Last EDR Contact: 09/17/2024
Number of Days to Update: 80	Next Scheduled EDR Contact: 12/30/2024
	Data Release Frequency: Quarterly

Lists of Federal RCRA generators

RCRA-LQG: RCRA - Large Quantity Generators

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

Date of Government Version: 09/16/2024	Source: Environmental Protection Agency
Date Data Arrived at EDR: 09/17/2024	Telephone: 312-886-6186
Date Made Active in Reports: 12/06/2024	Last EDR Contact: 09/17/2024
Number of Days to Update: 80	Next Scheduled EDR Contact: 12/30/2024
	Data Release Frequency: Quarterly

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

RCRA-SQG: RCRA - Small Quantity Generators

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

Date of Government Version: 09/16/2024	Source: Environmental Protection Agency
Date Data Arrived at EDR: 09/17/2024	Telephone: 312-886-6186
Date Made Active in Reports: 12/06/2024	Last EDR Contact: 09/17/2024
Number of Days to Update: 80	Next Scheduled EDR Contact: 12/30/2024
	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: 09/16/2024	Source: Environmental Protection Agency
Date Data Arrived at EDR: 09/17/2024	Telephone: 312-886-6186
Date Made Active in Reports: 12/06/2024	Last EDR Contact: 09/17/2024
Number of Days to Update: 80	Next Scheduled EDR Contact: 12/30/2024
	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: 07/15/2024	Source: Department of the Navy
Date Data Arrived at EDR: 07/17/2024	Telephone: 843-820-7326
Date Made Active in Reports: 10/09/2024	Last EDR Contact: 11/13/2024
Number of Days to Update: 84	Next Scheduled EDR Contact: 02/17/2025
	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: 07/24/2024	Source: Environmental Protection Agency
Date Data Arrived at EDR: 08/08/2024	Telephone: 703-603-0695
Date Made Active in Reports: 08/15/2024	Last EDR Contact: 11/15/2024
Number of Days to Update: 7	Next Scheduled EDR Contact: 12/02/2024
	Data Release Frequency: Varies

US INST CONTROLS: Institutional Controls Sites List

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

Date of Government Version: 07/24/2024	Source: Environmental Protection Agency
Date Data Arrived at EDR: 08/08/2024	Telephone: 703-603-0695
Date Made Active in Reports: 08/15/2024	Last EDR Contact: 11/15/2024
Number of Days to Update: 7	Next Scheduled EDR Contact: 03/03/2025
	Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Federal ERNS list

ERNS: Emergency Response Notification System

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

Date of Government Version: 06/11/2024

Source: National Response Center, United States Coast Guard

Date Data Arrived at EDR: 06/17/2024

Telephone: 202-267-2180

Date Made Active in Reports: 09/04/2024

Last EDR Contact: 12/11/2024

Number of Days to Update: 79

Next Scheduled EDR Contact: 03/31/2025

Data Release Frequency: Quarterly

Lists of state- and tribal hazardous waste facilities

SHWS: This state does not maintain a SHWS list. See the Federal CERCLIS list and Federal NPL list.

This state does not maintain a SHWS list. See the Federal CERCLIS list and Federal NPL list.

Date of Government Version: N/A

Source: Department of Environment, Great Lakes, and Energy

Date Data Arrived at EDR: 10/31/2013

Telephone: 517-284-5103

Date Made Active in Reports: 11/20/2013

Last EDR Contact: 10/09/2024

Number of Days to Update: 20

Next Scheduled EDR Contact: 01/27/2025

Data Release Frequency: No Update Planned

Lists of state and tribal landfills and solid waste disposal facilities

SWF/LF: Solid Waste Facilities Database

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

Date of Government Version: 09/16/2024

Source: Department of Environment, Great Lakes, and Energy

Date Data Arrived at EDR: 09/17/2024

Telephone: 517-335-4035

Date Made Active in Reports: 11/27/2024

Last EDR Contact: 12/11/2024

Number of Days to Update: 71

Next Scheduled EDR Contact: 03/31/2025

Data Release Frequency: Semi-Annually

Lists of state and tribal leaking storage tanks

LUST: Leaking Underground Storage Tank Sites

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

Date of Government Version: 08/01/2024

Source: Department of Environment, Great Lakes, and Energy

Date Data Arrived at EDR: 08/07/2024

Telephone: 517-373-9837

Date Made Active in Reports: 10/23/2024

Last EDR Contact: 10/30/2024

Number of Days to Update: 77

Next Scheduled EDR Contact: 02/17/2025

Data Release Frequency: Annually

INDIAN LUST R10: Leaking Underground Storage Tanks on Indian Land

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

Date of Government Version: 05/07/2024

Source: EPA Region 10

Date Data Arrived at EDR: 05/30/2024

Telephone: 206-553-2857

Date Made Active in Reports: 08/28/2024

Last EDR Contact: 10/16/2024

Number of Days to Update: 90

Next Scheduled EDR Contact: 01/27/2025

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.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 05/07/2024	Source: EPA Region 1
Date Data Arrived at EDR: 05/30/2024	Telephone: 617-918-1313
Date Made Active in Reports: 08/28/2024	Last EDR Contact: 10/16/2024
Number of Days to Update: 90	Next Scheduled EDR Contact: 01/27/2025
	Data Release Frequency: Varies

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

Date of Government Version: 05/07/2024	Source: EPA Region 4
Date Data Arrived at EDR: 05/30/2024	Telephone: 404-562-8677
Date Made Active in Reports: 08/28/2024	Last EDR Contact: 10/16/2024
Number of Days to Update: 90	Next Scheduled EDR Contact: 01/27/2025
	Data Release Frequency: Varies

INDIAN LUST R8: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in Colorado, Montana, North Dakota, South Dakota, Utah and Wyoming.

Date of Government Version: 05/07/2024	Source: EPA Region 8
Date Data Arrived at EDR: 05/30/2024	Telephone: 303-312-6271
Date Made Active in Reports: 08/28/2024	Last EDR Contact: 10/16/2024
Number of Days to Update: 90	Next Scheduled EDR Contact: 01/27/2025
	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: 05/07/2024	Source: EPA Region 6
Date Data Arrived at EDR: 05/30/2024	Telephone: 214-665-6597
Date Made Active in Reports: 08/28/2024	Last EDR Contact: 10/16/2024
Number of Days to Update: 90	Next Scheduled EDR Contact: 01/27/2025
	Data Release Frequency: Varies

INDIAN LUST R5: Leaking Underground Storage Tanks on Indian Land
Leaking underground storage tanks located on Indian Land in Michigan, Minnesota and Wisconsin.

Date of Government Version: 04/11/2024	Source: EPA, Region 5
Date Data Arrived at EDR: 05/30/2024	Telephone: 312-886-7439
Date Made Active in Reports: 08/28/2024	Last EDR Contact: 10/16/2024
Number of Days to Update: 90	Next Scheduled EDR Contact: 01/27/2025
	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: 05/07/2024	Source: EPA Region 7
Date Data Arrived at EDR: 05/30/2024	Telephone: 913-551-7003
Date Made Active in Reports: 08/28/2024	Last EDR Contact: 10/16/2024
Number of Days to Update: 90	Next Scheduled EDR Contact: 01/27/2025
	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: 05/07/2024	Source: Environmental Protection Agency
Date Data Arrived at EDR: 05/30/2024	Telephone: 415-972-3372
Date Made Active in Reports: 08/28/2024	Last EDR Contact: 10/16/2024
Number of Days to Update: 90	Next Scheduled EDR Contact: 01/27/2025
	Data Release Frequency: Varies

Lists of state and tribal registered storage tanks

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

FEMA UST: Underground Storage Tank Listing

A listing of all FEMA owned underground storage tanks.

Date of Government Version: 03/15/2024	Source: FEMA
Date Data Arrived at EDR: 03/19/2024	Telephone: 202-646-5797
Date Made Active in Reports: 06/17/2024	Last EDR Contact: 09/25/2024
Number of Days to Update: 90	Next Scheduled EDR Contact: 01/13/2025
	Data Release Frequency: Varies

UST 2: Underground Storage Tank Listing

A listing of underground storage tank site locations that have unknown owner information.

Date of Government Version: 01/08/2024	Source: Department of Licensing & Regulatory Affairs
Date Data Arrived at EDR: 01/18/2024	Telephone: 517-373-1820
Date Made Active in Reports: 04/09/2024	Last EDR Contact: 09/18/2024
Number of Days to Update: 82	Next Scheduled EDR Contact: 01/06/2025
	Data Release Frequency: Varies

UST: Underground Storage Tank Facility List

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

Date of Government Version: 07/24/2024	Source: Department of Licensing & Regulatory Affairs
Date Data Arrived at EDR: 08/06/2024	Telephone: 517-373-1820
Date Made Active in Reports: 10/23/2024	Last EDR Contact: 11/06/2024
Number of Days to Update: 78	Next Scheduled EDR Contact: 02/17/2025
	Data Release Frequency: Annually

AST: Aboveground Tanks

Registered Aboveground Storage Tanks.

Date of Government Version: 08/01/2024	Source: Department of Licensing & Regulatory Affairs
Date Data Arrived at EDR: 08/07/2024	Telephone: 517-373-1820
Date Made Active in Reports: 10/23/2024	Last EDR Contact: 10/30/2024
Number of Days to Update: 77	Next Scheduled EDR Contact: 02/17/2025
	Data Release Frequency: No Update Planned

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: 05/14/2024	Source: EPA, Region 1
Date Data Arrived at EDR: 05/30/2024	Telephone: 617-918-1313
Date Made Active in Reports: 08/28/2024	Last EDR Contact: 10/16/2024
Number of Days to Update: 90	Next Scheduled EDR Contact: 01/27/2025
	Data Release Frequency: Varies

INDIAN UST R5: Underground Storage Tanks on Indian Land

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

Date of Government Version: 04/11/2024	Source: EPA Region 5
Date Data Arrived at EDR: 05/30/2024	Telephone: 312-886-6136
Date Made Active in Reports: 08/28/2024	Last EDR Contact: 10/16/2024
Number of Days to Update: 90	Next Scheduled EDR Contact: 01/27/2025
	Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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: 05/14/2024	Source: EPA Region 6
Date Data Arrived at EDR: 05/30/2024	Telephone: 214-665-7591
Date Made Active in Reports: 08/28/2024	Last EDR Contact: 10/16/2024
Number of Days to Update: 90	Next Scheduled EDR Contact: 01/27/2025
	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: 05/14/2024	Source: EPA Region 4
Date Data Arrived at EDR: 05/30/2024	Telephone: 404-562-9424
Date Made Active in Reports: 08/28/2024	Last EDR Contact: 10/16/2024
Number of Days to Update: 90	Next Scheduled EDR Contact: 07/29/2024
	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: 05/14/2024	Source: EPA Region 9
Date Data Arrived at EDR: 05/30/2024	Telephone: 415-972-3368
Date Made Active in Reports: 08/28/2024	Last EDR Contact: 10/16/2024
Number of Days to Update: 90	Next Scheduled EDR Contact: 01/27/2025
	Data Release Frequency: Varies

INDIAN UST R8: Underground Storage Tanks on Indian Land

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

Date of Government Version: 05/14/2024	Source: EPA Region 8
Date Data Arrived at EDR: 05/30/2024	Telephone: 303-312-6137
Date Made Active in Reports: 08/28/2024	Last EDR Contact: 10/16/2024
Number of Days to Update: 90	Next Scheduled EDR Contact: 01/27/2025
	Data Release Frequency: Varies

INDIAN UST R7: Underground Storage Tanks on Indian Land

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

Date of Government Version: 05/14/2024	Source: EPA Region 7
Date Data Arrived at EDR: 05/30/2024	Telephone: 913-551-7003
Date Made Active in Reports: 08/28/2024	Last EDR Contact: 10/16/2024
Number of Days to Update: 90	Next Scheduled EDR Contact: 01/27/2025
	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: 05/14/2024	Source: EPA Region 10
Date Data Arrived at EDR: 05/30/2024	Telephone: 206-553-2857
Date Made Active in Reports: 08/28/2024	Last EDR Contact: 10/16/2024
Number of Days to Update: 90	Next Scheduled EDR Contact: 01/27/2025
	Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

State and tribal institutional control / engineering control registries

AUL: Engineering and Institutional Controls

A listing of sites with institutional and/or engineering controls in place.

Date of Government Version: 08/20/2024

Source: Department of Environment, Great Lakes, and Energy

Date Data Arrived at EDR: 08/20/2024

Telephone: 517-373-4828

Date Made Active in Reports: 08/21/2024

Last EDR Contact: 11/13/2024

Number of Days to Update: 1

Next Scheduled EDR Contact: 03/03/2025

Data Release Frequency: Quarterly

Lists of state and tribal voluntary cleanup sites

INDIAN VCP R1: Voluntary Cleanup Priority Listing

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

Date of Government Version: 07/27/2015

Source: EPA, Region 1

Date Data Arrived at EDR: 09/29/2015

Telephone: 617-918-1102

Date Made Active in Reports: 02/18/2016

Last EDR Contact: 12/10/2024

Number of Days to Update: 142

Next Scheduled EDR Contact: 03/31/2025

Data Release Frequency: Varies

INDIAN VCP R7: Voluntary Cleanup Priority Listing

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

Date of Government Version: 03/20/2008

Source: EPA, Region 7

Date Data Arrived at EDR: 04/22/2008

Telephone: 913-551-7365

Date Made Active in Reports: 05/19/2008

Last EDR Contact: 07/08/2021

Number of Days to Update: 27

Next Scheduled EDR Contact: 07/20/2009

Data Release Frequency: Varies

Lists of state and tribal brownfield sites

BROWNFIELDS: Brownfields and USTfield Site Database

All state funded Part 201 and 213 sites, as well as LUST sites that have been redeveloped by private entities using the BEA process. Be aware that this is not a list of all of the potential brownfield sites in Michigan.

Date of Government Version: 04/16/2024

Source: Department of Environment, Great Lakes, and Energy

Date Data Arrived at EDR: 07/16/2024

Telephone: 517-373-4805

Date Made Active in Reports: 10/04/2024

Last EDR Contact: 10/17/2024

Number of Days to Update: 80

Next Scheduled EDR Contact: 01/27/2025

Data Release Frequency: Varies

BROWNFIELDS 2: Brownfields Building and Land Site Locations

A listing of brownfield building and land site locations. The listing is a collaborative effort of Michigan Economic Development Corporation, Michigan Economic Developers Association, Detroit Edison, Detroit Area Commercial Board of Realtors

Date of Government Version: 07/15/2024

Source: Economic Development Corporation

Date Data Arrived at EDR: 07/19/2024

Telephone: 888-522-0103

Date Made Active in Reports: 07/24/2024

Last EDR Contact: 10/15/2024

Number of Days to Update: 5

Next Scheduled EDR Contact: 01/27/2025

Data Release Frequency: Varies

ADDITIONAL ENVIRONMENTAL RECORDS

Local Brownfield lists

US BROWNFIELDS: A Listing of Brownfields Sites

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

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 09/09/2024
Date Data Arrived at EDR: 09/11/2024
Date Made Active in Reports: 12/06/2024
Number of Days to Update: 86

Source: Environmental Protection Agency
Telephone: 202-566-2777
Last EDR Contact: 09/11/2024
Next Scheduled EDR Contact: 12/23/2024
Data Release Frequency: Semi-Annually

Local Lists of Landfill / Solid Waste Disposal Sites

HIST LF: Inactive Solid Waste Facilities

The database contains historical information and is no longer updated.

Date of Government Version: 03/01/1997
Date Data Arrived at EDR: 02/28/2003
Date Made Active in Reports: 03/06/2003
Number of Days to Update: 6

Source: Department of Environment, Great Lakes, and Energy
Telephone: 517-335-4034
Last EDR Contact: 02/28/2003
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

SWRCY: Recycling Facilities

A listing of recycling center locations.

Date of Government Version: 06/14/2024
Date Data Arrived at EDR: 06/14/2024
Date Made Active in Reports: 09/06/2024
Number of Days to Update: 84

Source: Department of Environment, Great Lakes, and Energy
Telephone: 517-241-5719
Last EDR Contact: 12/10/2024
Next Scheduled EDR Contact: 03/31/2025
Data Release Frequency: Varies

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

Location of open dumps on Indian land.

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

Source: Environmental Protection Agency
Telephone: 703-308-8245
Last EDR Contact: 10/17/2024
Next Scheduled EDR Contact: 02/03/2025
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: 11/19/2024
Next Scheduled EDR Contact: 01/27/2025
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: 02/07/2024
Date Data Arrived at EDR: 11/13/2024
Date Made Active in Reports: 11/19/2024
Number of Days to Update: 6

Source: Department of Health & Human Services, Indian Health Service
Telephone: 301-443-1452
Last EDR Contact: 11/13/2024
Next Scheduled EDR Contact: 02/03/2025
Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Local Lists of Hazardous waste / Contaminated Sites

US HIST CDL: National Clandestine Laboratory Register

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

Date of Government Version: 05/20/2024	Source: Drug Enforcement Administration
Date Data Arrived at EDR: 08/19/2024	Telephone: 202-307-1000
Date Made Active in Reports: 10/09/2024	Last EDR Contact: 11/22/2024
Number of Days to Update: 51	Next Scheduled EDR Contact: 03/03/2025
	Data Release Frequency: No Update Planned

PART 201: Part 201 Site List

A Part 201 Listed site is a location that has been evaluated and scored by the DEQ using the Part 201 scoring model. The location is or includes a "facility" as defined by Part 201, where there has been a release of a hazardous substance(s) in excess of the Part 201 residential criteria, and/or where corrective actions have not been completed under Part 201 to meet the applicable cleanup criteria for unrestricted residential use. The Part 201 List does not include all of the sites of contamination that are subject to regulation under Part 201 because owners are not required to inform the DEQ about the sites and can pursue cleanup independently. Sites of environmental contamination that are not known to DEQ are not on the list, nor are sites with releases that resulted in low environmental impact.

Date of Government Version: 07/15/2024	Source: Department of Environment, Great Lakes, and Energy
Date Data Arrived at EDR: 07/16/2024	Telephone: 517-284-5103
Date Made Active in Reports: 10/07/2024	Last EDR Contact: 10/16/2024
Number of Days to Update: 83	Next Scheduled EDR Contact: 01/27/2025
	Data Release Frequency: No Update Planned

INVENTORY: Inventory of Facilities

The Inventory of Facilities has three data sources: Facilities under Part 201, Environmental Remediation, of the Natural Resources and Environmental Protection Act, 1994 PA 451, as amended (NREPA) identified through state funded or private party response activities (Projects); Facilities under Part 213, Leaking Underground Storage Tanks of the NREPA; and Facilities identified through submittals of Baseline Environmental Assessments (BEA) submitted pursuant to Part 201 or Part 213 of the NREPA. The Part 201 Projects Inventory does not include all of the facilities that are subject to regulation under Part 201 because owners are not required to inform the Department of Environmental Quality (DEQ) about the facilities and can pursue cleanup independently. Facilities that are not known to DEQ are not on the Inventory, nor are locations with releases that resulted in low environmental impact. Part 213 facilities listed here may have more than one release; a list of releases for which corrective actions have been completed and list of releases for which corrective action has not been completed is located on the Leaking Underground Storage Tanks Site Search webpage. The DEQ may or may not have reviewed and concurred with the conclusion that the corrective actions described in a closure report meets criteria. A BEA is a document that new or prospective property owners/operations disclose to the DEQ identifying the property as a facility pursuant to Part 201 and Part 213. The Inventory of BEA Facilities overlaps in part with the Part 201 Projects facilities and Part 213 facilities. There may be more than one BEA for each facility.

Date of Government Version: 07/15/2024	Source: Department of Environment, Great Lakes, and Energy
Date Data Arrived at EDR: 07/16/2024	Telephone: 517-284-5136
Date Made Active in Reports: 10/07/2024	Last EDR Contact: 10/16/2024
Number of Days to Update: 83	Next Scheduled EDR Contact: 01/27/2025
	Data Release Frequency: Quarterly

CDL: Clandestine Drug Lab Listing

A listing of clandestine drug lab locations.

Date of Government Version: 07/17/2024	Source: Department of Community Health
Date Data Arrived at EDR: 07/31/2024	Telephone: 517-373-3740
Date Made Active in Reports: 08/08/2024	Last EDR Contact: 10/09/2024
Number of Days to Update: 8	Next Scheduled EDR Contact: 01/27/2025
	Data Release Frequency: No Update Planned

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

DEL PART 201: Delisted List of Contaminated Sites

A deleted site has been removed from the Part 201 List because information known to the DEQ at the time of the evaluation does not support inclusion on the Part 201 List. This designation is often applied to sites where changes in cleanup criteria resulted in a determination that the site no longer exceeds any applicable cleanup criterion.

A delisted site has been removed from the Part 201 List because response actions have reduced the levels of contaminants to concentrations which meet or are below the criteria for unrestricted residential use.

Date of Government Version: 07/15/2024
Date Data Arrived at EDR: 07/16/2024
Date Made Active in Reports: 10/07/2024
Number of Days to Update: 83

Source: Department of Environment, Great Lakes, and Energy
Telephone: 517-373-9541
Last EDR Contact: 10/16/2024
Next Scheduled EDR Contact: 01/27/2025
Data Release Frequency: No Update Planned

US CDL: Clandestine Drug Labs

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

Date of Government Version: 05/20/2024
Date Data Arrived at EDR: 08/19/2024
Date Made Active in Reports: 10/09/2024
Number of Days to Update: 51

Source: Drug Enforcement Administration
Telephone: 202-307-1000
Last EDR Contact: 11/22/2024
Next Scheduled EDR Contact: 03/03/2025
Data Release Frequency: Quarterly

Local Land Records

LIENS: Lien List

An Environmental Lien is a charge, security, or encumbrance upon title to a property to secure the payment of a cost, damage, debt, obligation, or duty arising out of response actions, cleanup, or other remediation of hazardous substances or petroleum products upon a property, including (but not limited to) liens imposed pursuant to CERCLA 42 USC * 9607(1) and similar state or local laws. In other words: a lien placed upon a property's title due to an environmental condition

Date of Government Version: 07/09/2024
Date Data Arrived at EDR: 07/09/2024
Date Made Active in Reports: 09/30/2024
Number of Days to Update: 83

Source: Department of Environment, Great Lakes, and Energy
Telephone: 517-241-7603
Last EDR Contact: 10/08/2024
Next Scheduled EDR Contact: 01/20/2025
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: 09/25/2024
Date Data Arrived at EDR: 10/01/2024
Date Made Active in Reports: 10/23/2024
Number of Days to Update: 22

Source: Environmental Protection Agency
Telephone: 202-564-6023
Last EDR Contact: 12/03/2024
Next Scheduled EDR Contact: 01/06/2025
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: 06/14/2024
Date Data Arrived at EDR: 06/17/2024
Date Made Active in Reports: 06/24/2024
Number of Days to Update: 7

Source: U.S. Department of Transportation
Telephone: 202-366-4555
Last EDR Contact: 12/11/2024
Next Scheduled EDR Contact: 03/31/2025
Data Release Frequency: Quarterly

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

PEAS: Pollution Emergency Alerting System

Environmental pollution emergencies reported to the Department of Environmental Quality such as tanker accidents, pipeline breaks, and release of reportable quantities of hazardous substances.

Date of Government Version: 06/03/2024
Date Data Arrived at EDR: 07/17/2024
Date Made Active in Reports: 10/08/2024
Number of Days to Update: 83

Source: Department of Environment, Great Lakes, and Energy
Telephone: 517-373-8427
Last EDR Contact: 10/16/2024
Next Scheduled EDR Contact: 01/27/2025
Data Release Frequency: Quarterly

Other Ascertainable Records

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

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

Date of Government Version: 09/16/2024
Date Data Arrived at EDR: 09/17/2024
Date Made Active in Reports: 12/06/2024
Number of Days to Update: 80

Source: Environmental Protection Agency
Telephone: 312-886-6186
Last EDR Contact: 09/17/2024
Next Scheduled EDR Contact: 12/30/2024
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: 07/31/2024
Date Data Arrived at EDR: 08/12/2024
Date Made Active in Reports: 10/09/2024
Number of Days to Update: 58

Source: U.S. Army Corps of Engineers
Telephone: 202-528-4285
Last EDR Contact: 11/12/2024
Next Scheduled EDR Contact: 02/24/2025
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: 06/07/2021
Date Data Arrived at EDR: 07/13/2021
Date Made Active in Reports: 03/09/2022
Number of Days to Update: 239

Source: USGS
Telephone: 888-275-8747
Last EDR Contact: 10/10/2024
Next Scheduled EDR Contact: 01/20/2025
Data Release Frequency: Varies

FEDLAND: Federal and Indian Lands

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

Date of Government Version: 04/02/2018
Date Data Arrived at EDR: 04/11/2018
Date Made Active in Reports: 11/06/2019
Number of Days to Update: 574

Source: U.S. Geological Survey
Telephone: 888-275-8747
Last EDR Contact: 10/03/2024
Next Scheduled EDR Contact: 01/13/2025
Data Release Frequency: N/A

SCRD DRYCLEANERS: State Coalition for Remediation of Drycleaners Listing

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

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 07/30/2021
Date Data Arrived at EDR: 02/03/2023
Date Made Active in Reports: 02/10/2023
Number of Days to Update: 7

Source: Environmental Protection Agency
Telephone: 615-532-8599
Last EDR Contact: 11/04/2024
Next Scheduled EDR Contact: 02/17/2025
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: 06/10/2024
Date Data Arrived at EDR: 06/17/2024
Date Made Active in Reports: 09/04/2024
Number of Days to Update: 79

Source: Environmental Protection Agency
Telephone: 202-566-1917
Last EDR Contact: 09/17/2024
Next Scheduled EDR Contact: 12/30/2024
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: 10/24/2024
Next Scheduled EDR Contact: 02/10/2025
Data Release Frequency: No Update Planned

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: 10/31/2024
Next Scheduled EDR Contact: 02/10/2025
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: 12/31/2020
Date Data Arrived at EDR: 06/14/2022
Date Made Active in Reports: 03/24/2023
Number of Days to Update: 283

Source: EPA
Telephone: 202-260-5521
Last EDR Contact: 10/03/2024
Next Scheduled EDR Contact: 12/23/2024
Data Release Frequency: Every 4 Years

TRIS: Toxic Chemical Release Inventory System

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

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 12/31/2022
Date Data Arrived at EDR: 11/13/2023
Date Made Active in Reports: 02/07/2024
Number of Days to Update: 86

Source: EPA
Telephone: 202-566-0250
Last EDR Contact: 11/14/2024
Next Scheduled EDR Contact: 02/24/2025
Data Release Frequency: Annually

SSTS: Section 7 Tracking Systems

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

Date of Government Version: 07/11/2024
Date Data Arrived at EDR: 07/11/2024
Date Made Active in Reports: 07/12/2024
Number of Days to Update: 1

Source: EPA
Telephone: 202-564-4203
Last EDR Contact: 10/16/2024
Next Scheduled EDR Contact: 01/27/2025
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: 10/24/2024
Date Data Arrived at EDR: 11/01/2024
Date Made Active in Reports: 11/19/2024
Number of Days to Update: 18

Source: EPA
Telephone: 703-416-0223
Last EDR Contact: 12/03/2024
Next Scheduled EDR Contact: 03/10/2025
Data Release Frequency: Annually

RMP: Risk Management Plans

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

Date of Government Version: 07/12/2024
Date Data Arrived at EDR: 07/17/2024
Date Made Active in Reports: 10/09/2024
Number of Days to Update: 84

Source: Environmental Protection Agency
Telephone: 202-564-8600
Last EDR Contact: 10/09/2024
Next Scheduled EDR Contact: 01/27/2025
Data Release Frequency: Varies

RAATS: RCRA Administrative Action Tracking System

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

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

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

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

PRP: Potentially Responsible Parties

A listing of verified Potentially Responsible Parties

Date of Government Version: 09/19/2023	Source: EPA
Date Data Arrived at EDR: 10/03/2023	Telephone: 202-564-6023
Date Made Active in Reports: 10/19/2023	Last EDR Contact: 12/03/2024
Number of Days to Update: 16	Next Scheduled EDR Contact: 02/10/2025
	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: 05/23/2024	Source: EPA
Date Data Arrived at EDR: 07/02/2024	Telephone: 202-566-0500
Date Made Active in Reports: 09/26/2024	Last EDR Contact: 10/02/2024
Number of Days to Update: 86	Next Scheduled EDR Contact: 01/13/2025
	Data Release Frequency: Annually

ICIS: Integrated Compliance Information System

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

Date of Government Version: 11/18/2016	Source: Environmental Protection Agency
Date Data Arrived at EDR: 11/23/2016	Telephone: 202-564-2501
Date Made Active in Reports: 02/10/2017	Last EDR Contact: 09/25/2024
Number of Days to Update: 79	Next Scheduled EDR Contact: 01/13/2025
	Data Release Frequency: Quarterly

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

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

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

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

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

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

MLTS: Material Licensing Tracking System

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

Date of Government Version: 10/12/2024	Source: Nuclear Regulatory Commission
Date Data Arrived at EDR: 10/17/2024	Telephone: 301-415-0717
Date Made Active in Reports: 11/19/2024	Last EDR Contact: 10/09/2024
Number of Days to Update: 33	Next Scheduled EDR Contact: 01/27/2025
	Data Release Frequency: Quarterly

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

COAL ASH DOE: Steam-Electric Plant Operation Data

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

Date of Government Version: 12/31/2022	Source: Department of Energy
Date Data Arrived at EDR: 11/27/2023	Telephone: 202-586-8719
Date Made Active in Reports: 02/22/2024	Last EDR Contact: 11/20/2024
Number of Days to Update: 87	Next Scheduled EDR Contact: 03/10/2025
	Data Release Frequency: Varies

COAL ASH EPA: Coal Combustion Residues Surface Impoundments List

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

Date of Government Version: 01/12/2017	Source: Environmental Protection Agency
Date Data Arrived at EDR: 03/05/2019	Telephone: N/A
Date Made Active in Reports: 11/11/2019	Last EDR Contact: 11/20/2024
Number of Days to Update: 251	Next Scheduled EDR Contact: 03/10/2025
	Data Release Frequency: Varies

PCB TRANSFORMER: PCB Transformer Registration Database

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

Date of Government Version: 09/13/2019	Source: Environmental Protection Agency
Date Data Arrived at EDR: 11/06/2019	Telephone: 202-566-0517
Date Made Active in Reports: 02/10/2020	Last EDR Contact: 10/31/2024
Number of Days to Update: 96	Next Scheduled EDR Contact: 02/10/2025
	Data Release Frequency: Varies

RADINFO: Radiation Information Database

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

Date of Government Version: 07/01/2019	Source: Environmental Protection Agency
Date Data Arrived at EDR: 07/01/2019	Telephone: 202-343-9775
Date Made Active in Reports: 09/23/2019	Last EDR Contact: 09/18/2024
Number of Days to Update: 84	Next Scheduled EDR Contact: 01/06/2025
	Data Release Frequency: Quarterly

HIST FTTS: FIFRA/TSCA Tracking System Administrative Case Listing

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

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

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

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

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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

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

DOT OPS: Incident and Accident Data

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

Date of Government Version: 10/04/2024
Date Data Arrived at EDR: 10/16/2024
Date Made Active in Reports: 12/06/2024
Number of Days to Update: 51

Source: Department of Transportation, Office of Pipeline Safety
Telephone: 202-366-4595
Last EDR Contact: 10/16/2024
Next Scheduled EDR Contact: 02/03/2025
Data Release Frequency: Quarterly

CONSENT: Superfund (CERCLA) Consent Decrees

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

Date of Government Version: 06/30/2024
Date Data Arrived at EDR: 07/08/2024
Date Made Active in Reports: 09/26/2024
Number of Days to Update: 80

Source: Department of Justice, Consent Decree Library
Telephone: Varies
Last EDR Contact: 09/25/2024
Next Scheduled EDR Contact: 01/13/2025
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: 12/31/2021
Date Data Arrived at EDR: 03/09/2023
Date Made Active in Reports: 03/20/2023
Number of Days to Update: 11

Source: EPA/NTIS
Telephone: 800-424-9346
Last EDR Contact: 11/22/2024
Next Scheduled EDR Contact: 12/30/2024
Data Release Frequency: Biennially

INDIAN RESERV: Indian Reservations

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

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

Source: USGS
Telephone: 202-208-3710
Last EDR Contact: 10/01/2024
Next Scheduled EDR Contact: 01/13/2025
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: 03/03/2023
Date Data Arrived at EDR: 03/03/2023
Date Made Active in Reports: 06/09/2023
Number of Days to Update: 98

Source: Department of Energy
Telephone: 202-586-3559
Last EDR Contact: 10/24/2024
Next Scheduled EDR Contact: 02/10/2025
Data Release Frequency: Varies

UMTRA: Uranium Mill Tailings Sites

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

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 05/08/2024
Date Data Arrived at EDR: 08/14/2024
Date Made Active in Reports: 08/28/2024
Number of Days to Update: 14

Source: Department of Energy
Telephone: 505-845-0011
Last EDR Contact: 11/14/2024
Next Scheduled EDR Contact: 02/24/2025
Data Release Frequency: Varies

LEAD SMELTER 1: Lead Smelter Sites

A listing of former lead smelter site locations.

Date of Government Version: 09/25/2024
Date Data Arrived at EDR: 10/01/2024
Date Made Active in Reports: 10/23/2024
Number of Days to Update: 22

Source: Environmental Protection Agency
Telephone: 703-603-8787
Last EDR Contact: 12/03/2024
Next Scheduled EDR Contact: 01/06/2025
Data Release Frequency: Varies

LEAD SMELTER 2: Lead Smelter Sites

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

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

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

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

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

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

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

US AIRS MINOR: Air Facility System Data

A listing of minor source facilities.

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

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

MINES VIOLATIONS: MSHA Violation Assessment Data

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

Date of Government Version: 10/01/2024
Date Data Arrived at EDR: 10/02/2024
Date Made Active in Reports: 10/09/2024
Number of Days to Update: 7

Source: DOL, Mine Safety & Health Admi
Telephone: 202-693-9424
Last EDR Contact: 11/13/2024
Next Scheduled EDR Contact: 03/03/2025
Data Release Frequency: Quarterly

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.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 08/06/2024
Date Data Arrived at EDR: 08/14/2024
Date Made Active in Reports: 08/15/2024
Number of Days to Update: 1

Source: Department of Labor, Mine Safety and Health Administration
Telephone: 303-231-5959
Last EDR Contact: 11/18/2024
Next Scheduled EDR Contact: 03/03/2025
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: 05/02/2024
Date Data Arrived at EDR: 08/20/2024
Date Made Active in Reports: 10/09/2024
Number of Days to Update: 50

Source: USGS
Telephone: 703-648-7709
Last EDR Contact: 11/22/2024
Next Scheduled EDR Contact: 03/03/2025
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: 11/22/2024
Next Scheduled EDR Contact: 03/03/2025
Data Release Frequency: Varies

MINES MRDS: Mineral Resources Data System Mineral Resources Data System

Date of Government Version: 08/23/2022
Date Data Arrived at EDR: 11/22/2022
Date Made Active in Reports: 02/28/2023
Number of Days to Update: 98

Source: USGS
Telephone: 703-648-6533
Last EDR Contact: 11/22/2024
Next Scheduled EDR Contact: 03/03/2025
Data Release Frequency: Varies

ABANDONED MINES: Abandoned Mines

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

Date of Government Version: 09/10/2024
Date Data Arrived at EDR: 09/11/2024
Date Made Active in Reports: 11/19/2024
Number of Days to Update: 69

Source: Department of Interior
Telephone: 202-208-2609
Last EDR Contact: 12/10/2024
Next Scheduled EDR Contact: 03/17/2025
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: 08/13/2024
Date Data Arrived at EDR: 08/20/2024
Date Made Active in Reports: 08/28/2024
Number of Days to Update: 8

Source: EPA
Telephone: (312) 353-2000
Last EDR Contact: 11/20/2024
Next Scheduled EDR Contact: 03/10/2025
Data Release Frequency: Quarterly

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

DOCKET HWC: Hazardous Waste Compliance Docket Listing

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

Date of Government Version: 05/06/2021	Source: Environmental Protection Agency
Date Data Arrived at EDR: 05/21/2021	Telephone: 202-564-0527
Date Made Active in Reports: 08/11/2021	Last EDR Contact: 11/13/2024
Number of Days to Update: 82	Next Scheduled EDR Contact: 03/03/2025
	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: 06/23/2024	Source: Environmental Protection Agency
Date Data Arrived at EDR: 06/28/2024	Telephone: 202-564-2280
Date Made Active in Reports: 07/12/2024	Last EDR Contact: 10/01/2024
Number of Days to Update: 14	Next Scheduled EDR Contact: 01/13/2025
	Data Release Frequency: Quarterly

UXO: Unexploded Ordnance Sites

A listing of unexploded ordnance site locations

Date of Government Version: 09/06/2023	Source: Department of Defense
Date Data Arrived at EDR: 09/13/2023	Telephone: 703-704-1564
Date Made Active in Reports: 12/11/2023	Last EDR Contact: 10/03/2024
Number of Days to Update: 89	Next Scheduled EDR Contact: 01/20/2025
	Data Release Frequency: Varies

FUELS PROGRAM: EPA Fuels Program Registered Listing

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

Date of Government Version: 08/13/2024	Source: EPA
Date Data Arrived at EDR: 08/13/2024	Telephone: 800-385-6164
Date Made Active in Reports: 10/09/2024	Last EDR Contact: 11/08/2024
Number of Days to Update: 57	Next Scheduled EDR Contact: 02/24/2025
	Data Release Frequency: Quarterly

PFAS NPL: Superfund Sites with PFAS Detections Information

EPA's Office of Land and Emergency Management and EPA Regional Offices maintain data describing what is known about site investigations, contamination, and remedial actions under the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA) where PFAS is present in the environment.

Date of Government Version: 07/01/2024	Source: Environmental Protection Agency
Date Data Arrived at EDR: 07/01/2024	Telephone: 703-603-8895
Date Made Active in Reports: 07/12/2024	Last EDR Contact: 10/02/2024
Number of Days to Update: 11	Next Scheduled EDR Contact: 01/13/2025
	Data Release Frequency: Varies

PFAS FEDERAL SITES: Federal Sites PFAS Information

Several federal entities, such as the federal Superfund program, Department of Defense, National Aeronautics and Space Administration, Department of Transportation, and Department of Energy provided information for sites with known or suspected detections at federal facilities.

Date of Government Version: 07/01/2024	Source: Environmental Protection Agency
Date Data Arrived at EDR: 07/01/2024	Telephone: 202-272-0167
Date Made Active in Reports: 07/12/2024	Last EDR Contact: 10/02/2024
Number of Days to Update: 11	Next Scheduled EDR Contact: 01/13/2025
	Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

PFAS TRIS: List of PFAS Added to the TRI

Section 7321 of the National Defense Authorization Act for Fiscal Year 2020 (NDAA) immediately added certain per- and polyfluoroalkyl substances (PFAS) to the list of chemicals covered by the Toxics Release Inventory (TRI) under Section 313 of the Emergency Planning and Community Right-to-Know Act (EPCRA) and provided a framework for additional PFAS to be added to TRI on an annual basis.

Date of Government Version: 07/01/2024	Source: Environmental Protection Agency
Date Data Arrived at EDR: 07/01/2024	Telephone: 202-566-0250
Date Made Active in Reports: 07/12/2024	Last EDR Contact: 10/02/2024
Number of Days to Update: 11	Next Scheduled EDR Contact: 01/13/2025
	Data Release Frequency: Varies

PFAS TSCA: PFAS Manufacture and Imports Information

EPA issued the Chemical Data Reporting (CDR) Rule under the Toxic Substances Control Act (TSCA) and requires chemical manufacturers and facilities that manufacture or import chemical substances to report data to EPA. EPA publishes non-confidential business information (non-CBI) and includes descriptive information about each site, corporate parent, production volume, other manufacturing information, and processing and use information.

Date of Government Version: 07/01/2024	Source: Environmental Protection Agency
Date Data Arrived at EDR: 07/01/2024	Telephone: 202-272-0167
Date Made Active in Reports: 07/12/2024	Last EDR Contact: 10/02/2024
Number of Days to Update: 11	Next Scheduled EDR Contact: 01/13/2025
	Data Release Frequency: Varies

PFAS RCRA MANIFEST: PFAS Transfers Identified In the RCRA Database Listing

To work around the lack of PFAS waste codes in the RCRA database, EPA developed the PFAS Transfers dataset by mining e-Manifest records containing at least one of these common PFAS keywords: PFAS, PFOA, PFOS, PERFL, AFFF, GENX, GEN-X (plus the VT waste codes). These keywords were searched for in the following text fields: Manifest handling instructions (MANIFEST_HANDLING_INSTR), Non-hazardous waste description (NON_HAZ_WASTE_DESCRIPTION), DOT printed information (DOT_PRINTED_INFORMATION), Waste line handling instructions (WASTE_LINE_HANDLING_INSTR), Waste residue comments (WASTE_RESIDUE_COMMENTS).

Date of Government Version: 07/01/2024	Source: Environmental Protection Agency
Date Data Arrived at EDR: 07/01/2024	Telephone: 202-272-0167
Date Made Active in Reports: 07/12/2024	Last EDR Contact: 10/02/2024
Number of Days to Update: 11	Next Scheduled EDR Contact: 01/13/2025
	Data Release Frequency: Varies

PFAS ATSDR: PFAS Contamination Site Location Listing

PFAS contamination site locations from the Department of Health & Human Services, Center for Disease Control & Prevention. ATSDR is involved at a number of PFAS-related sites, either directly or through assisting state and federal partners. As of now, most sites are related to drinking water contamination connected with PFAS production facilities or fire training areas where aqueous film-forming firefighting foam (AFFF) was regularly used.

Date of Government Version: 06/24/2020	Source: Department of Health & Human Services
Date Data Arrived at EDR: 03/17/2021	Telephone: 202-741-5770
Date Made Active in Reports: 11/08/2022	Last EDR Contact: 10/17/2024
Number of Days to Update: 601	Next Scheduled EDR Contact: 02/03/2025
	Data Release Frequency: Varies

PFAS WQP: Ambient Environmental Sampling for PFAS

The Water Quality Portal (WQP) is a part of a modernized repository storing ambient sampling data for all environmental media and tissue samples. A wide range of federal, state, tribal and local governments, academic and non-governmental organizations and individuals submit project details and sampling results to this public repository. The information is commonly used for research and assessments of environmental quality.

Date of Government Version: 07/01/2024	Source: Environmental Protection Agency
Date Data Arrived at EDR: 07/01/2024	Telephone: 202-272-0167
Date Made Active in Reports: 07/12/2024	Last EDR Contact: 10/02/2024
Number of Days to Update: 11	Next Scheduled EDR Contact: 01/13/2025
	Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

PFAS NPDES: Clean Water Act Discharge Monitoring Information

Any discharger of pollutants to waters of the United States from a point source must have a National Pollutant Discharge Elimination System (NPDES) permit. The process for obtaining limits involves the regulated entity (permittee) disclosing releases in a NPDES permit application and the permitting authority (typically the state but sometimes EPA) deciding whether to require monitoring or monitoring with limits. Caveats and Limitations: Less than half of states have required PFAS monitoring for at least one of their permittees and fewer states have established PFAS effluent limits for permittees. New rulemakings have been initiated that may increase the number of facilities monitoring for PFAS in the future.

Date of Government Version: 07/01/2024	Source: Environmental Protection Agency
Date Data Arrived at EDR: 07/01/2024	Telephone: 202-272-0167
Date Made Active in Reports: 07/12/2024	Last EDR Contact: 10/02/2024
Number of Days to Update: 11	Next Scheduled EDR Contact: 01/13/2025
	Data Release Frequency: Varies

PFAS PROJECT: NORTHEASTERN UNIVERSITY PFAS PROJECT

The PFAS Contamination Site Tracker records qualitative and quantitative data from each site in a chart, specifically examining discovery, contamination levels, government response, litigation, health impacts, media coverage, and community characteristics. All data presented in the chart were extracted from government websites, such as state health departments or the Environmental Protection Agency, and news articles.

Date of Government Version: 05/19/2023	Source: Social Science Environmental Health Research Institute
Date Data Arrived at EDR: 04/05/2024	Telephone: N/A
Date Made Active in Reports: 06/06/2024	Last EDR Contact: 12/05/2024
Number of Days to Update: 62	Next Scheduled EDR Contact: 03/17/2025
	Data Release Frequency: Varies

PFAS ECHO: Facilities in Industries that May Be Handling PFAS Listing

Regulators and the public have expressed interest in knowing which regulated entities may be using PFAS. EPA has developed a dataset from various sources that show which industries may be handling PFAS. Approximately 120,000 facilities subject to federal environmental programs have operated or currently operate in industry sectors with processes that may involve handling and/or release of PFAS.

Date of Government Version: 07/01/2024	Source: Environmental Protection Agency
Date Data Arrived at EDR: 07/01/2024	Telephone: 202-272-0167
Date Made Active in Reports: 07/12/2024	Last EDR Contact: 10/02/2024
Number of Days to Update: 11	Next Scheduled EDR Contact: 01/13/2025
	Data Release Frequency: Varies

PFAS ECHO FIRE TRAIN: Facilities in Industries that May Be Handling PFAS Listing

A list of fire training sites was added to the Industry Sectors dataset using a keyword search on the permitted facility's name to identify sites where fire-fighting foam may have been used in training exercises. Additionally, you may view an example spreadsheet of the subset of fire training facility data, as well as the keywords used in selecting or deselecting a facility for the subset. as well as the keywords used in selecting or deselecting a facility for the subset. These keywords were tested to maximize accuracy in selecting facilities that may use fire-fighting foam in training exercises, however, due to the lack of a required reporting field in the data systems for designating fire training sites, this methodology may not identify all fire training sites or may potentially misidentify them.

Date of Government Version: 07/01/2024	Source: Environmental Protection Agency
Date Data Arrived at EDR: 07/01/2024	Telephone: 202-272-0167
Date Made Active in Reports: 07/12/2024	Last EDR Contact: 10/02/2024
Number of Days to Update: 11	Next Scheduled EDR Contact: 01/13/2025
	Data Release Frequency: Varies

PFAS PT 139 AIRPORT: All Certified Part 139 Airports PFAS Information Listing

Since July 1, 2006, all certified part 139 airports are required to have fire-fighting foam onsite that meet military specifications (MIL-F-24385) (14 CFR 139.317). To date, these military specification fire-fighting foams are fluorinated and have been historically used for training and extinguishing. The 2018 FAA Reauthorization Act has a provision stating that no later than October 2021, FAA shall not require the use of fluorinated AFFF. This provision does not prohibit the use of fluorinated AFFF at Part 139 civilian airports; it only prohibits FAA from mandating its use. The Federal Aviation Administration's document AC 150/5210-6D - Aircraft Fire Extinguishing Agents provides guidance on Aircraft Fire Extinguishing Agents, which includes Aqueous Film Forming Foam (AFFF).

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 07/01/2024
Date Data Arrived at EDR: 07/01/2024
Date Made Active in Reports: 07/12/2024
Number of Days to Update: 11

Source: Environmental Protection Agency
Telephone: 202-272-0167
Last EDR Contact: 10/02/2024
Next Scheduled EDR Contact: 01/13/2025
Data Release Frequency: Varies

AQUEOUS FOAM NRC: Aqueous Foam Related Incidents Listing

The National Response Center (NRC) serves as an emergency call center that fields initial reports for pollution and railroad incidents and forwards that information to appropriate federal/state agencies for response. The spreadsheets posted to the NRC website contain initial incident data that has not been validated or investigated by a federal/state response agency. Response center calls from 1990 to the most recent complete calendar year where there was indication of Aqueous Film Forming Foam (AFFF) usage are included in this dataset. NRC calls may reference AFFF usage in the ?Material Involved? or ?Incident Description? fields.

Date of Government Version: 07/01/2024
Date Data Arrived at EDR: 07/01/2024
Date Made Active in Reports: 07/12/2024
Number of Days to Update: 11

Source: Environmental Protection Agency
Telephone: 202-267-2675
Last EDR Contact: 10/02/2024
Next Scheduled EDR Contact: 01/13/2025
Data Release Frequency: Varies

PCS: Permit Compliance System

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

Date of Government Version: 12/16/2016
Date Data Arrived at EDR: 01/06/2017
Date Made Active in Reports: 03/10/2017
Number of Days to Update: 63

Source: EPA, Office of Water
Telephone: 202-564-2496
Last EDR Contact: 09/25/2024
Next Scheduled EDR Contact: 01/13/2025
Data Release Frequency: No Update Planned

PCS ENF: Enforcement data

No description is available for this data

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

Source: EPA
Telephone: 202-564-2497
Last EDR Contact: 09/25/2024
Next Scheduled EDR Contact: 01/13/2025
Data Release Frequency: Varies

BIOSOLIDS: ICIS-NPDES Biosolids Facility Data

The data reflects compliance information about facilities in the biosolids program.

Date of Government Version: 10/13/2024
Date Data Arrived at EDR: 10/16/2024
Date Made Active in Reports: 10/23/2024
Number of Days to Update: 7

Source: Environmental Protection Agency
Telephone: 202-564-4700
Last EDR Contact: 10/16/2024
Next Scheduled EDR Contact: 01/27/2025
Data Release Frequency: Varies

UST FINDER: UST Finder Database

EPA developed UST Finder, a web map application containing a comprehensive, state-sourced national map of underground storage tank (UST) and leaking UST (LUST) data. It provides the attributes and locations of active and closed USTs, UST facilities, and LUST sites from states and from Tribal lands and US territories. UST Finder contains information about proximity of UST facilities and LUST sites to: surface and groundwater public drinking water protection areas; estimated number of private domestic wells and number of people living nearby; and flooding and wildfires.

Date of Government Version: 06/08/2023
Date Data Arrived at EDR: 10/04/2023
Date Made Active in Reports: 01/18/2024
Number of Days to Update: 106

Source: Environmental Protection Agency
Telephone: 202-564-0394
Last EDR Contact: 11/06/2024
Next Scheduled EDR Contact: 02/17/2025
Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

UST FINDER RELEASE: UST Finder Releases Database

US EPA's UST Finder data is a national composite of leaking underground storage tanks. This data contains information about, and locations of, leaking underground storage tanks. Data was collected from state sources and standardized into a national profile by EPA's Office of Underground Storage Tanks, Office of Research and Development, and the Association of State and Territorial Solid Waste Management Officials.

Date of Government Version: 06/08/2023	Source: Environmental Protection Agency
Date Data Arrived at EDR: 10/31/2023	Telephone: 202-564-0394
Date Made Active in Reports: 01/18/2024	Last EDR Contact: 11/06/2024
Number of Days to Update: 79	Next Scheduled EDR Contact: 02/17/2025
	Data Release Frequency: Semi-Annually

E MANIFEST: Hazardous Waste Electronic Manifest System

EPA established a national system for tracking hazardous waste shipments electronically. This system, known as e-Manifest, will modernize the nation's cradle-to-grave hazardous waste tracking process while saving valuable time, resources, and dollars for industry and states.

Date of Government Version: 07/24/2023	Source: Environmental Protection Agency
Date Data Arrived at EDR: 04/18/2024	Telephone: 833-501-6826
Date Made Active in Reports: 06/06/2024	Last EDR Contact: 09/17/2024
Number of Days to Update: 49	Next Scheduled EDR Contact: 12/30/2024
	Data Release Frequency: Varies

PFAS: PFAS Contaminated Sites Listing

PFAS have been widely used in numerous industrial and residential applications since the 1950s. Their stability and unique chemical properties produce waterproof, stain resistant, and nonstick qualities in products. They are found in some firefighting foams and a wide range of consumer products such as carpet treatments, non-stick cookware, water-resistant fabrics, food packaging materials, and personal care products.

Date of Government Version: 02/15/2024	Source: Department of Environment, Great Lakes & Energy
Date Data Arrived at EDR: 08/06/2024	Telephone: 517-284-9278
Date Made Active in Reports: 10/24/2024	Last EDR Contact: 11/06/2024
Number of Days to Update: 79	Next Scheduled EDR Contact: 02/17/2025
	Data Release Frequency: Varies

AQUEOUS FOAM: Aqueous Film Forming Foam Listing

Sites with Aqueous Film Forming Foam contamination, as reported to the Department of Environment, Great Lakes & Energy. AFFF is a fire suppressant used to extinguish flammable liquid fires such as fuel fires.

Date of Government Version: 06/07/2024	Source: Department of Environment, Great Lakes & Energy
Date Data Arrived at EDR: 06/24/2024	Telephone: 517-284-9278
Date Made Active in Reports: 08/19/2024	Last EDR Contact: 09/18/2024
Number of Days to Update: 56	Next Scheduled EDR Contact: 01/06/2025
	Data Release Frequency: Varies

AIRS: Permit and Emissions Inventory Data

Permit and emissions inventory data.

Date of Government Version: 09/12/2024	Source: Department of Environment, Great Lakes, and Energy
Date Data Arrived at EDR: 09/13/2024	Telephone: 517-373-7074
Date Made Active in Reports: 11/25/2024	Last EDR Contact: 12/04/2024
Number of Days to Update: 73	Next Scheduled EDR Contact: 03/24/2025
	Data Release Frequency: Annually

ASBESTOS: Asbestos Notification Listing

Asbestos

Date of Government Version: 09/30/2024	Source: Department of Licensing & Regulatory Affairs
Date Data Arrived at EDR: 10/16/2024	Telephone: 517-284-7699
Date Made Active in Reports: 10/23/2024	Last EDR Contact: 10/07/2024
Number of Days to Update: 7	Next Scheduled EDR Contact: 01/13/2025
	Data Release Frequency: Quarterly

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

BEA: Baseline Environmental Assessment Database

A BEA is a document that new or prospective property owners/operations disclose to the DEQ identifying the property as a facility pursuant to Part 201 and Part 213. The Inventory of BEA Facilities overlaps in part with the Part 201 Projects facilities and Part 213 facilities. There may be more than one BEA for each facility.

Date of Government Version: 08/15/2024
Date Data Arrived at EDR: 08/16/2024
Date Made Active in Reports: 11/04/2024
Number of Days to Update: 80

Source: Department of Environment, Great Lakes, and Energy
Telephone: 517-373-9541
Last EDR Contact: 10/30/2024
Next Scheduled EDR Contact: 02/17/2025
Data Release Frequency: No Update Planned

COAL ASH: Coal Ash Disposal Sites

Coal fired power plants in Southeast Michigan that have coal ash handling on site.

Date of Government Version: 04/01/2021
Date Data Arrived at EDR: 04/06/2021
Date Made Active in Reports: 06/24/2021
Number of Days to Update: 79

Source: Department of Environment, Great Lakes, and Energy
Telephone: 586-753-3754
Last EDR Contact: 09/18/2024
Next Scheduled EDR Contact: 01/06/2025
Data Release Frequency: Varies

DRYCLEANERS: Drycleaning Establishments

A listing of drycleaning facilities in Michigan.

Date of Government Version: 04/25/2024
Date Data Arrived at EDR: 07/09/2024
Date Made Active in Reports: 10/02/2024
Number of Days to Update: 85

Source: Department of Environment, Great Lakes, and Energy
Telephone: 517-335-4586
Last EDR Contact: 10/10/2024
Next Scheduled EDR Contact: 01/20/2025
Data Release Frequency: Quarterly

FIN ASSURANCE 1: Financial Assurance Information Listing

Financial assurance information.

Date of Government Version: 03/02/2024
Date Data Arrived at EDR: 04/04/2024
Date Made Active in Reports: 07/02/2024
Number of Days to Update: 89

Source: Department of Environment, Great Lakes, and Energy
Telephone: 517-335-6610
Last EDR Contact: 09/18/2024
Next Scheduled EDR Contact: 01/06/2025
Data Release Frequency: Semi-Annually

FIN ASSURANCE 2: Financial Assurance Information Listing

A listing of financial assurance information for solid waste facilities. Financial assurance is intended to ensure that resources are available to pay for the cost of closure, post-closure care, and corrective measures if the owner or operator of a regulated facility is unable or unwilling to pay.

Date of Government Version: 09/13/2024
Date Data Arrived at EDR: 09/18/2024
Date Made Active in Reports: 12/04/2024
Number of Days to Update: 77

Source: Department of Environment, Great Lakes, and Energy
Telephone: 517-335-4034
Last EDR Contact: 12/10/2024
Next Scheduled EDR Contact: 03/31/2025
Data Release Frequency: Varies

FIN ASSURANCE 3: Financial Assurance Information Listing

Financial assurance information for underground storage tank facilities.

Date of Government Version: 06/24/2024
Date Data Arrived at EDR: 07/02/2024
Date Made Active in Reports: 07/15/2024
Number of Days to Update: 13

Source: Department of Licensing & Regulatory Affairs
Telephone: 517-335-7279
Last EDR Contact: 09/18/2024
Next Scheduled EDR Contact: 01/06/2025
Data Release Frequency: Varies

LEAD CERT: Lead Safe Housing Registry

A listing of Michigan properties included in the Lead Safe Housing Registry.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 03/25/2020
Date Data Arrived at EDR: 03/25/2020
Date Made Active in Reports: 06/15/2020
Number of Days to Update: 82

Source: Department of Community Health
Telephone: 517-335-9699
Last EDR Contact: 11/19/2024
Next Scheduled EDR Contact: 03/10/2025
Data Release Frequency: Quarterly

LEAD: Lead Information Registry Listing

All properties in this registry received a lead-based paint inspection or a lead risk assessment, and a lead abatement service. A lead-based paint inspection identifies any lead present on the property. The lead risk assessment determines if any of the lead found is a hazard. Lead abatement services address or remove the lead hazards.

Date of Government Version: 02/28/2024
Date Data Arrived at EDR: 02/29/2024
Date Made Active in Reports: 05/21/2024
Number of Days to Update: 82

Source: Department of Health & Human Services
Telephone: 517-335-9390
Last EDR Contact: 11/19/2024
Next Scheduled EDR Contact: 03/10/2025
Data Release Frequency: Varies

MI MANIFEST: Hazardous Waste Manifest Data

A generator who transports, or offers for transportation, hazardous waste for off-site treatment, storage or disposal must prepare a hazardous waste manifest to accompany such shipment.

Date of Government Version: 06/30/2018
Date Data Arrived at EDR: 06/23/2023
Date Made Active in Reports: 12/12/2023
Number of Days to Update: 172

Source: Department of Environment, Great Lakes & Energy
Telephone: 517-284-6838
Last EDR Contact: 10/16/2024
Next Scheduled EDR Contact: 02/03/2025
Data Release Frequency: Annually

NPDES: List of Active NPDES Permits

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

Date of Government Version: 06/25/2024
Date Data Arrived at EDR: 06/26/2024
Date Made Active in Reports: 07/10/2024
Number of Days to Update: 14

Source: Department of Environment, Great Lakes, and Energy
Telephone: 517-241-1300
Last EDR Contact: 09/18/2024
Next Scheduled EDR Contact: 01/06/2025
Data Release Frequency: Varies

UIC: Underground Injection Wells Database

A listing of underground injection well locations. The UIC Program is responsible for regulating the construction, operation, permitting, and closure of injection wells that place fluids underground for storage or disposal.

Date of Government Version: 07/16/2024
Date Data Arrived at EDR: 07/18/2024
Date Made Active in Reports: 10/08/2024
Number of Days to Update: 82

Source: Department of Environment, Great Lakes, and Energy
Telephone: 517-241-1515
Last EDR Contact: 10/09/2024
Next Scheduled EDR Contact: 01/27/2025
Data Release Frequency: Quarterly

WDS: Waste Data System

The Waste Data System (WDS) tracks activities at facilities regulated by the Solid Waste, Scrap Tire, Hazardous Waste, and Liquid Industrial Waste programs.

Date of Government Version: 12/08/2023
Date Data Arrived at EDR: 12/11/2023
Date Made Active in Reports: 03/05/2024
Number of Days to Update: 85

Source: Department of Environment, Great Lakes, and Energy
Telephone: 517-284-6562
Last EDR Contact: 11/07/2024
Next Scheduled EDR Contact: 02/24/2025
Data Release Frequency: Varies

SSCUP: State Owned Sites Cleanup Program List

Public Act 380 of 1996 amended Part 201, Environmental Remediation, of the Natural Resources and Environmental Protection Act, PA 451 of 1994, by adding Section 20108c and creating the State Sites Cleanup Fund (SSCUF) and the State Sites Cleanup Program (SSCUP). Its intent was to fund environmental cleanups at contaminated sites where the state is a liable party as an owner or operator of the site, as defined in Section 20126 of Part 201.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 12/31/2023
Date Data Arrived at EDR: 07/16/2024
Date Made Active in Reports: 10/07/2024
Number of Days to Update: 83

Source: Department of Environment, Great Lakes & Energy
Telephone: 517-284-5153
Last EDR Contact: 10/15/2024
Next Scheduled EDR Contact: 01/27/2025
Data Release Frequency: Varies

ENVIRO: Michigan Enviro Information

MiEnviro is permitting and compliance for air quality and water resources, including National Pollutant Discharge Elimination System (NPDES), storm water, groundwater discharge, aquatic nuisance control, Part 41 construction, medical waste registrations, and land and water interface permits.

Date of Government Version: 06/28/2024
Date Data Arrived at EDR: 06/28/2024
Date Made Active in Reports: 07/03/2024
Number of Days to Update: 5

Source: Department of Environment, Great Lakes, & Energy
Telephone: 800-662-9278
Last EDR Contact: 10/01/2024
Next Scheduled EDR Contact: 01/13/2025
Data Release Frequency: Quarterly

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.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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

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

EDR RECOVERED GOVERNMENT ARCHIVES

Exclusive Recovered Govt. Archives

RGA PART 201: Recovered Government Archive State Hazardous Waste Facilities List

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

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

Source: Department of Environment, Great Lakes, and Energy
Telephone: N/A
Last EDR Contact: 06/01/2012
Next Scheduled EDR Contact: N/A
Data Release Frequency: Varies

RGA LF: Recovered Government Archive Solid Waste Facilities List

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

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

Source: Department of Environment, Great Lakes, and Energy
Telephone: N/A
Last EDR Contact: 06/01/2012
Next Scheduled EDR Contact: N/A
Data Release Frequency: Varies

RGA LUST: Recovered Government Archive Leaking Underground Storage Tank

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

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

Source: Department of Environment, Great Lakes, and Energy
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: 08/05/2024
Date Data Arrived at EDR: 08/06/2024
Date Made Active in Reports: 10/25/2024
Number of Days to Update: 80

Source: Department of Energy & Environmental Protection
Telephone: 860-424-3375
Last EDR Contact: 11/05/2024
Next Scheduled EDR Contact: 02/17/2025
Data Release Frequency: No Update Planned

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

NJ MANIFEST: Manifest Information

Hazardous waste manifest information.

Date of Government Version: 12/31/2018
Date Data Arrived at EDR: 04/10/2019
Date Made Active in Reports: 05/16/2019
Number of Days to Update: 36

Source: Department of Environmental Protection
Telephone: N/A
Last EDR Contact: 09/25/2024
Next Scheduled EDR Contact: 01/13/2025
Data Release Frequency: Annually

NY MANIFEST: Facility and Manifest Data

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

Date of Government Version: 12/31/2019
Date Data Arrived at EDR: 11/30/2023
Date Made Active in Reports: 12/01/2023
Number of Days to Update: 1

Source: Department of Environmental Conservation
Telephone: 518-402-8651
Last EDR Contact: 10/24/2024
Next Scheduled EDR Contact: 02/03/2025
Data Release Frequency: Quarterly

PA MANIFEST: Manifest Information

Hazardous waste manifest information.

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

Source: Department of Environmental Protection
Telephone: 717-783-8990
Last EDR Contact: 10/03/2024
Next Scheduled EDR Contact: 01/20/2025
Data Release Frequency: Annually

RI MANIFEST: Manifest information

Hazardous waste manifest information

Date of Government Version: 12/31/2020
Date Data Arrived at EDR: 11/30/2021
Date Made Active in Reports: 02/18/2022
Number of Days to Update: 80

Source: Department of Environmental Management
Telephone: 401-222-2797
Last EDR Contact: 11/07/2024
Next Scheduled EDR Contact: 02/24/2025
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: 11/27/2024
Next Scheduled EDR Contact: 03/17/2025
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.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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: Day Care Centers, Group & Family Homes

Source: Bureau of REgulatory Services

Telephone: 517-373-8300

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, 2010 and 2015 from the U.S. Fish and Wildlife Service.

State Wetlands Data: Wetlands Inventory

Source: Department of Natural Resources

Telephone: 517-241-2254

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

2275 TOOLEY
2275 TOOLEY
HOWELL, MI 48855

TARGET PROPERTY COORDINATES

Latitude (North): 42.641923 - 42° 38' 30.92"
Longitude (West): 83.969423 - 83° 58' 9.92"
Universal Transverse Mercator: Zone 17
UTM X (Meters): 256550.6
UTM Y (Meters): 4725113.0
Elevation: 872 ft. above sea level

USGS TOPOGRAPHIC MAP

Target Property Map: 14450136 OAK GROVE, MI
Version Date: 2019

South Map: 14468151 HOWELL, MI
Version Date: 2019

Southwest Map: 14450264 PARKERS CORNERS, MI
Version Date: 2019

Northwest Map: 14450214 FOWLERVILLE, MI
Version Date: 2019

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

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

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

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

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

GROUNDWATER FLOW DIRECTION INFORMATION

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

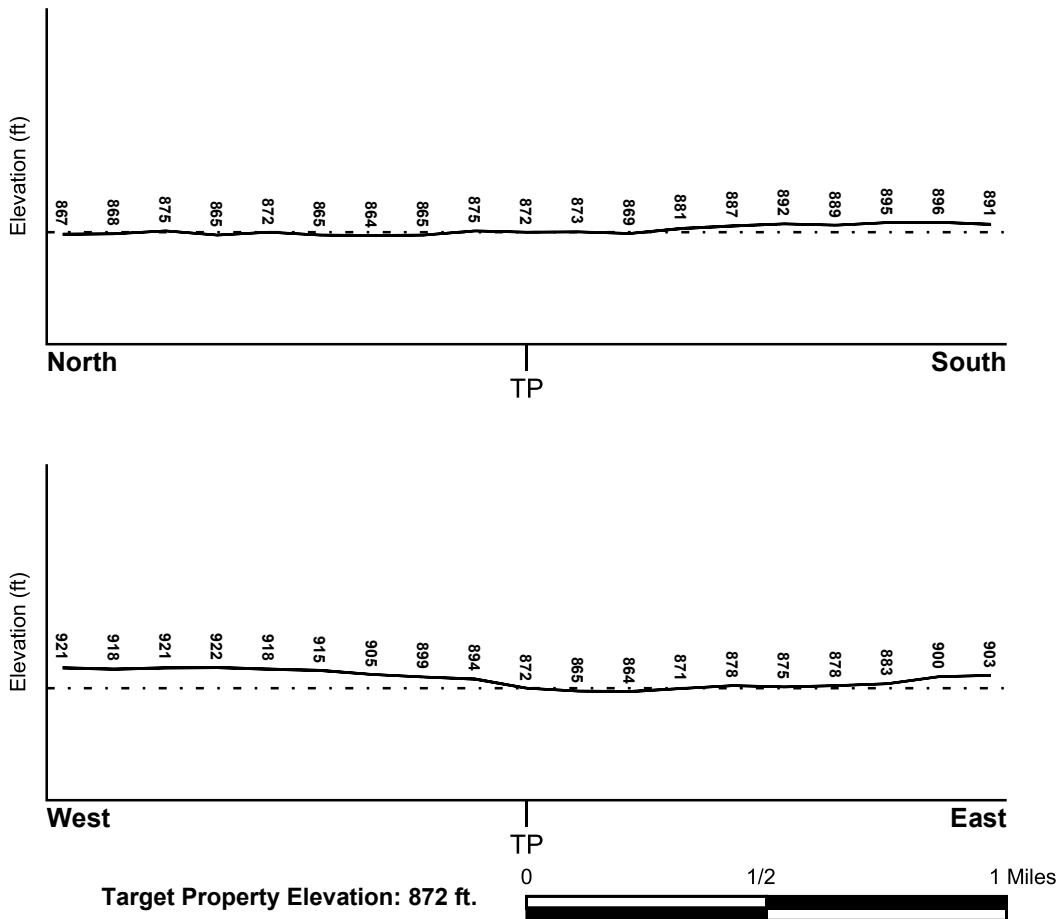
TOPOGRAPHIC INFORMATION

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

TARGET PROPERTY TOPOGRAPHY

General Topographic Gradient: General ENE

SURROUNDING TOPOGRAPHY: ELEVATION PROFILES



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

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

HYDROLOGIC INFORMATION

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

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

FEMA FLOOD ZONE

<u>Flood Plain Panel at Target Property</u>	<u>FEMA Source Type</u>
26093C0188D	FEMA FIRM Flood data
<u>Additional Panels in search area:</u>	<u>FEMA Source Type</u>
26093C0187D	FEMA FIRM Flood data
26093C0186D	FEMA FIRM Flood data
26093C0189D	FEMA FIRM Flood data

NATIONAL WETLAND INVENTORY

<u>NWI Quad at Target Property</u>	<u>NWI Electronic Data Coverage</u>
OAK GROVE	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.

Site-Specific Hydrogeological Data*:

Search Radius:	1.25 miles
Status:	Not found

AQUIFLOW®

Search Radius: 1.000 Mile.

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

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

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

GROUNDWATER FLOW VELOCITY INFORMATION

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

GEOLOGIC INFORMATION IN GENERAL AREA OF TARGET PROPERTY

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

ROCK STRATIGRAPHIC UNIT

Era: Paleozoic
System: Mississippian
Series: Osagean and Kinderhookian Series
Code: M1 (*decoded above as Era, System & Series*)

GEOLOGIC AGE IDENTIFICATION

Category: Stratified Sequence

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

DOMINANT SOIL COMPOSITION IN GENERAL AREA OF TARGET PROPERTY

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

Soil Component Name: HOUGHTON

Soil Surface Texture: muck

Hydrologic Group: Class A/D - Drained/undrained hydrology class of soils that can be drained and are classified.

Soil Drainage Class: Very poorly. Soils are wet to the surface most of the time. Depth to water table is less than 1 foot, or is ponded.

Hydric Status: Soil meets the requirements for a hydric soil.

Corrosion Potential - Uncoated Steel: HIGH

Depth to Bedrock Min: > 60 inches

Depth to Bedrock Max: > 60 inches

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

Soil Layer Information							
Layer	Boundary		Soil Texture Class	Classification		Permeability Rate (in/hr)	Soil Reaction (pH)
	Upper	Lower		AASHTO Group	Unified Soil		
1	0 inches	9 inches	muck	A-8	Highly organic soils, Peat.	Max: 6.00 Min: 0.20	Max: 7.80 Min: 4.50
2	9 inches	66 inches	muck	A-8	Highly organic soils, Peat.	Max: 6.00 Min: 0.20	Max: 7.80 Min: 4.50

OTHER SOIL TYPES IN AREA

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

- Soil Surface Textures: loamy sand
sandy loam
loam
gravelly - sandy loam
- Surficial Soil Types: loamy sand
sandy loam
loam
gravelly - sandy loam
- Shallow Soil Types: sand
sandy loam
silty clay loam
cobble - sandy loam
clay loam
gravelly - sandy clay loam
- Deeper Soil Types: fine sand
gravelly - sand
sand and gravel
stratified
loam

LOCAL / REGIONAL WATER AGENCY RECORDS

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

WELL SEARCH DISTANCE INFORMATION

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

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

FEDERAL USGS WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
No Wells Found		

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	MI6000000500512	1/8 - 1/4 Mile SE
A2	MI6000000500504	1/4 - 1/2 Mile West
A3	MI6000000500502	1/4 - 1/2 Mile West
4	MI6000000500525	1/4 - 1/2 Mile SSE
5	MI6000000500520	1/4 - 1/2 Mile SSE
B6	MI6000000509108	1/4 - 1/2 Mile WNW
B7	MI6000000509109	1/4 - 1/2 Mile WNW
8	MI6000000500519	1/4 - 1/2 Mile South
B9	MI6000000526212	1/4 - 1/2 Mile WNW
10	MI6000000500505	1/4 - 1/2 Mile WNW
C11	MI6000000527240	1/4 - 1/2 Mile SSE
12	MI6000000526990	1/4 - 1/2 Mile SW
13	MI6000000527241	1/4 - 1/2 Mile SE
14	MI6000000527232	1/4 - 1/2 Mile South
D15	MI6000000507214	1/4 - 1/2 Mile SSE
C16	MI6000000527198	1/4 - 1/2 Mile SE
D17	MI6000000513158	1/4 - 1/2 Mile SSE
18	MI6000000500516	1/4 - 1/2 Mile SSW
E19	MI6000000527247	1/4 - 1/2 Mile SSW
20	MI6000000526092	1/4 - 1/2 Mile NW
21	MI6000000526994	1/4 - 1/2 Mile SW
F22	MI6000000506532	1/4 - 1/2 Mile ENE
G23	MI6000000525926	1/4 - 1/2 Mile NE
G24	MI6000000525933	1/4 - 1/2 Mile NE
H25	MI6000000500522	1/2 - 1 Mile SSE
26	MI6000000500524	1/2 - 1 Mile SSE
E27	MI6000000500534	1/2 - 1 Mile SSW
I28	MI6000000500425	1/2 - 1 Mile WNW
H29	MI6000000500521	1/2 - 1 Mile SSE
30	MI6000000526698	1/2 - 1 Mile NW
H31	MI6000000500523	1/2 - 1 Mile SSE
32	MI6000000527252	1/2 - 1 Mile East
33	MI6000000526996	1/2 - 1 Mile WSW
F34	MI6000000500407	1/2 - 1 Mile ENE
J35	MI6000000500527	1/2 - 1 Mile ENE
36	MI6000000526995	1/2 - 1 Mile SW

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

STATE DATABASE WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
K37	MI6000000516155	1/2 - 1 Mile SSW
38	MI6000000505980	1/2 - 1 Mile ENE
I39	MI6000000500424	1/2 - 1 Mile WNW
L40	MI6000000519838	1/2 - 1 Mile WNW
J41	MI6000000525929	1/2 - 1 Mile East
L42	MI6000000526111	1/2 - 1 Mile WNW
43	MI6000000527249	1/2 - 1 Mile East
M44	MI6000000519882	1/2 - 1 Mile NE
M45	MI6000000519883	1/2 - 1 Mile NE
M46	MI6000000500400	1/2 - 1 Mile NE
M47	MI6000000500398	1/2 - 1 Mile NE
N48	MI6000000500529	1/2 - 1 Mile South
K49	MI6000000527244	1/2 - 1 Mile SSW
K50	MI6000000527140	1/2 - 1 Mile SSW
O51	MI6000000500530	1/2 - 1 Mile ESE
L52	MI6000000500421	1/2 - 1 Mile WNW
53	MI6000000500494	1/2 - 1 Mile SW
P54	MI6000000508836	1/2 - 1 Mile ENE
P55	MI6000000500401	1/2 - 1 Mile ENE
56	MI6000000527251	1/2 - 1 Mile ESE
Q57	MI6000000500399	1/2 - 1 Mile ENE
N58	MI6000000527245	1/2 - 1 Mile South
P59	MI6000000526033	1/2 - 1 Mile ENE
Q60	MI6000000527181	1/2 - 1 Mile ENE
R61	MI6000000500511	1/2 - 1 Mile South
S62	MI6000000526021	1/2 - 1 Mile East
63	MI6000000526204	1/2 - 1 Mile NW
T64	MI6000000500412	1/2 - 1 Mile ENE
U65	MI6000000527243	1/2 - 1 Mile SSW
O66	MI6000000500518	1/2 - 1 Mile ESE
67	MI6000000500402	1/2 - 1 Mile North
R68	MI6000000500532	1/2 - 1 Mile SSE
V69	MI6000000500403	1/2 - 1 Mile NNE
S70	MI6000000508199	1/2 - 1 Mile East
U71	MI6000000527242	1/2 - 1 Mile SSW
W72	MI6000000500513	1/2 - 1 Mile South
73	MI6000000527237	1/2 - 1 Mile SE
V74	MI6000000500409	1/2 - 1 Mile NNE
T75	MI6000000500406	1/2 - 1 Mile ENE
R76	MI6000000500514	1/2 - 1 Mile South
W77	MI6000000500526	1/2 - 1 Mile South
X78	MI6000000500501	1/2 - 1 Mile West
79	MI6000000506524	1/2 - 1 Mile NE
Y80	MI6000000500533	1/2 - 1 Mile East
81	MI6000000500410	1/2 - 1 Mile NNW
82	MI6000000512701	1/2 - 1 Mile SSW
Y83	MI6000000527250	1/2 - 1 Mile East
84	MI6000000527234	1/2 - 1 Mile East
Z85	MI6000000500503	1/2 - 1 Mile WSW
86	MI6000000500535	1/2 - 1 Mile SSE
Z87	MI6000000500498	1/2 - 1 Mile WSW
88	MI6000000500531	1/2 - 1 Mile SSW

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

STATE DATABASE WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
W89	MI6000000500528	1/2 - 1 Mile South
AA90	MI6000000527194	1/2 - 1 Mile South
91	MI6000000500517	1/2 - 1 Mile ESE
92	MI6000000512885	1/2 - 1 Mile SW
AB93	MI6000000526199	1/2 - 1 Mile NW
AB94	MI6000000526201	1/2 - 1 Mile NW
AB95	MI6000000526202	1/2 - 1 Mile NW
X96	MI6000000526992	1/2 - 1 Mile West
97	MI6000000500515	1/2 - 1 Mile ESE
98	MI6000000512993	1/2 - 1 Mile NE
AC99	MI6000000526949	1/2 - 1 Mile WSW
AA100	MI6000000527187	1/2 - 1 Mile South
AD101	MI6000000526958	1/2 - 1 Mile WSW
102	MI6000000500558	1/2 - 1 Mile East
AE103	MI6000000526030	1/2 - 1 Mile North
AF104	MI6000000526206	1/2 - 1 Mile WNW
AD105	MI6000000500492	1/2 - 1 Mile WSW
AC106	MI6000000512994	1/2 - 1 Mile WSW
107	MI6000000529662	1/2 - 1 Mile SSW
AE108	MI6000000526017	1/2 - 1 Mile North
109	MI6000000527376	1/2 - 1 Mile East
AG110	MI6000000500423	1/2 - 1 Mile West
111	MI6000000500408	1/2 - 1 Mile NNE
112	MI6000000510533	1/2 - 1 Mile SE
113	MI6000000500428	1/2 - 1 Mile WNW
AH114	MI6000000527203	1/2 - 1 Mile SE
A1115	MI6000000524885	1/2 - 1 Mile NW
AJ116	MI6000000526944	1/2 - 1 Mile WSW
AG117	MI6000000526198	1/2 - 1 Mile West
AJ118	MI6000000514327	1/2 - 1 Mile West
AF119	MI6000000500430	1/2 - 1 Mile WNW
120	MI6000000525774	1/2 - 1 Mile ENE
AK121	MI6000000505373	1/2 - 1 Mile WSW
AI122	MI6000000520573	1/2 - 1 Mile NW
123	MI6000000500706	1/2 - 1 Mile South
124	MI6000000500548	1/2 - 1 Mile ESE
125	MI6000000507144	1/2 - 1 Mile WNW
AL126	MI6000000527389	1/2 - 1 Mile ESE
AL127	MI6000000527394	1/2 - 1 Mile ESE
AI128	MI6000000520574	1/2 - 1 Mile NW
129	MI6000000500704	1/2 - 1 Mile South
130	MI6000000500413	1/2 - 1 Mile NE
131	MI6000000500495	1/2 - 1 Mile West
AM132	MI6000000525675	1/2 - 1 Mile NE
AN133	MI6000000526026	1/2 - 1 Mile NNE
AN134	MI6000000525938	1/2 - 1 Mile NNE
AH135	MI6000000527248	1/2 - 1 Mile SE
A1136	MI6000000520571	1/2 - 1 Mile NW
AK137	MI6000000527236	1/2 - 1 Mile WSW
AO138	MI6000000506510	1/2 - 1 Mile NE
A1139	MI6000000520572	1/2 - 1 Mile NW
140	MI6000000500420	1/2 - 1 Mile West

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

STATE DATABASE WELL INFORMATION

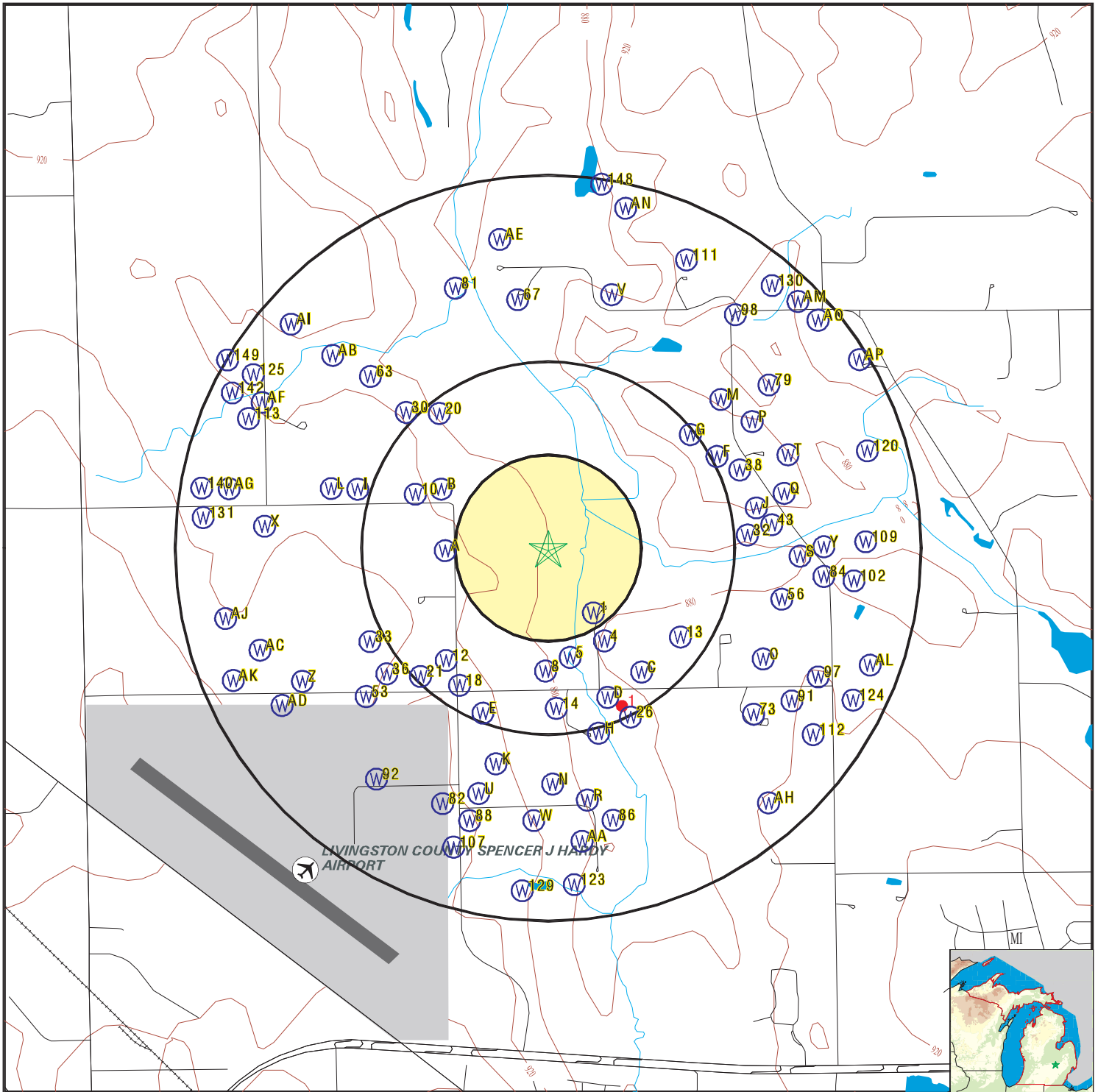
<u>MAP ID</u>	<u>WELL ID</u>	<u>LOCATION FROM TP</u>
AN141	MI6000000516294	1/2 - 1 Mile NNE
142	MI6000000500417	1/2 - 1 Mile WNW
AM143	MI6000000507239	1/2 - 1 Mile NE
AO144	MI6000000500348	1/2 - 1 Mile NE
AP145	MI6000000525667	1/2 - 1 Mile ENE
AP146	MI6000000500375	1/2 - 1 Mile ENE
AP147	MI6000000519250	1/2 - 1 Mile ENE
148	MI6000000515921	1/2 - 1 Mile North
149	MI6000000515053	1/2 - 1 Mile WNW

OTHER STATE DATABASE INFORMATION

STATE OIL/GAS WELL INFORMATION

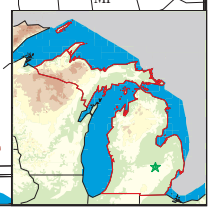
<u>MAP ID</u>	<u>WELL ID</u>	<u>LOCATION FROM TP</u>
1	MIOG13000044838	1/4 - 1/2 Mile SSE

PHYSICAL SETTING SOURCE MAP - 7847279.2s



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

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



SITE NAME: 2275 Tooley
 ADDRESS: 2275 Tooley
 Howell MI 48855
 LAT/LONG: 42.641923 / 83.969423

CLIENT: Applied Science & Technology
 CONTACT: Bailey Bishop
 INQUIRY #: 7847279.2s
 DATE: December 12, 2024 3:06 pm

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation

Database EDR ID Number

1
SE
1/8 - 1/4 Mile
Lower

MI WELLS MI600000500512

WELLS:

Well ID:	47000012583	Permit #:	Not Reported
Owner:	HIBBARD, DON	Well Depth (ft):	107
Well Type:	Household	Other Type Info:	Not Reported
Well Status:	Active	Other Status Info:	Not Reported
Water Supply Serial #:	0	Well #:	Not Reported
Driller ID:	78-1058	Drill Method:	ROTARY
Other Method Info:	Not Reported	Construction Date:	03-NOV-87
Case Type:	PVC Plastic	Other Casing Info:	Not Reported
Case Diameter (in):	5	Case Depth (ft):	107
Screen Start Depth (ft):	99	Screen End Depth (ft):	107
Static Water Level (ft):	23	Flowing:	N
Test Drawdown Depth (ft):	60	Test Hours:	4
Test Rate:	10	Test Method:	UNK
Well Grouted:	Y	Pump Capacity (gpm):	0
Elevation (ft):	881	Specific Capacity:	0
Rock Top (ft):	0		

A2
West
1/4 - 1/2 Mile
Higher

MI WELLS MI600000500504

WELLS:

Well ID:	47000012575	Permit #:	Not Reported
Owner:	D & H FARMS	Well Depth (ft):	160
Well Type:	Unknown	Other Type Info:	Not Reported
Well Status:	Active	Other Status Info:	Not Reported
Water Supply Serial #:	0	Well #:	Not Reported
Driller ID:	47-0026	Drill Method:	ROTARY
Other Method Info:	Not Reported	Construction Date:	13-JUN-88
Case Type:	Steel-black	Other Casing Info:	Not Reported
Case Diameter (in):	4	Case Depth (ft):	137
Screen Start Depth (ft):	0	Screen End Depth (ft):	0
Static Water Level (ft):	61	Flowing:	N
Test Drawdown Depth (ft):	130	Test Hours:	2
Test Rate:	10	Test Method:	UNK
Well Grouted:	Y	Pump Capacity (gpm):	0
Elevation (ft):	902	Specific Capacity:	0
Rock Top (ft):	137		

A3
West
1/4 - 1/2 Mile
Higher

MI WELLS MI600000500502

WELLS:

Well ID:	47000012573	Permit #:	Not Reported
Owner:	DH FARMS COMPANY	Well Depth (ft):	175
Well Type:	Household	Other Type Info:	Not Reported

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Well Status:	Active	Other Status Info:	Not Reported
Water Supply Serial #:	0	Well #:	Not Reported
Driller ID:	47-0026	Drill Method:	Cable Tool
Other Method Info:	Not Reported	Construction Date:	01-DEC-66
Case Type:	Unknown	Other Casing Info:	Not Reported
Case Diameter (in):	4	Case Depth (ft):	145
Screen Start Depth (ft):	0	Screen End Depth (ft):	0
Static Water Level (ft):	74	Flowing:	N
Test Drawdown Depth (ft):	95	Test Hours:	2
Test Rate:	20	Test Method:	UNK
Well Grouted:	N	Pump Capacity (gpm):	0
Elevation (ft):	903	Specific Capacity:	0
Rock Top (ft):	0		

4
SSE
1/4 - 1/2 Mile
Higher

MI WELLS MI6000000500525

WELLS:

Well ID:	47000012596	Permit #:	Not Reported
Owner:	PETRE, JAMES	Well Depth (ft):	118
Well Type:	Household	Other Type Info:	Not Reported
Well Status:	Active	Other Status Info:	Not Reported
Water Supply Serial #:	0	Well #:	Not Reported
Driller ID:	47-0832	Drill Method:	Cable Tool
Other Method Info:	Not Reported	Construction Date:	07-DEC-72
Case Type:	Unknown	Other Casing Info:	Not Reported
Case Diameter (in):	4	Case Depth (ft):	108
Screen Start Depth (ft):	0	Screen End Depth (ft):	0
Static Water Level (ft):	40	Flowing:	N
Test Drawdown Depth (ft):	40	Test Hours:	2
Test Rate:	20	Test Method:	UNK
Well Grouted:	N	Pump Capacity (gpm):	0
Elevation (ft):	991	Specific Capacity:	0
Rock Top (ft):	108		

5
SSE
1/4 - 1/2 Mile
Lower

MI WELLS MI6000000500520

WELLS:

Well ID:	47000012591	Permit #:	Not Reported
Owner:	KUDLA, GEO.	Well Depth (ft):	36
Well Type:	Household	Other Type Info:	Not Reported
Well Status:	Active	Other Status Info:	Not Reported
Water Supply Serial #:	0	Well #:	Not Reported
Driller ID:	47-0026	Drill Method:	Cable Tool
Other Method Info:	Not Reported	Construction Date:	26-AUG-82
Case Type:	Unknown	Other Casing Info:	Not Reported
Case Diameter (in):	4	Case Depth (ft):	32
Screen Start Depth (ft):	32	Screen End Depth (ft):	36
Static Water Level (ft):	5.5	Flowing:	N
Test Drawdown Depth (ft):	20	Test Hours:	2
Test Rate:	27	Test Method:	UNK
Well Grouted:	Y	Pump Capacity (gpm):	0
Elevation (ft):	867	Specific Capacity:	0

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Rock Top (ft): 0

B6
WNW
1/4 - 1/2 Mile
Higher

MI WELLS MI600000509108

WELLS:

Well ID:	47000021698	Permit #:	01-0996NW
Owner:	DAVID ROBINSON	Well Depth (ft):	93
Well Type:	Household	Other Type Info:	Not Reported
Well Status:	Active	Other Status Info:	Not Reported
Water Supply Serial #:	0	Well #:	Not Reported
Driller ID:	47-1861	Drill Method:	ROTARY
Other Method Info:	Not Reported	Construction Date:	06-NOV-02
Case Type:	PVC Plastic	Other Casing Info:	Not Reported
Case Diameter (in):	5	Case Depth (ft):	89
Screen Start Depth (ft):	89	Screen End Depth (ft):	93
Static Water Level (ft):	0	Flowing:	N
Test Drawdown Depth (ft):	93	Test Hours:	1
Test Rate:	4	Test Method:	AIR
Well Grouted:	Y	Pump Capacity (gpm):	0
Elevation (ft):	0	Specific Capacity:	0
Rock Top (ft):	93		

B7
WNW
1/4 - 1/2 Mile
Higher

MI WELLS MI600000509109

WELLS:

Well ID:	47000021699	Permit #:	01-0996NW
Owner:	DAVID ROBINSON	Well Depth (ft):	132
Well Type:	Household	Other Type Info:	Not Reported
Well Status:	Active	Other Status Info:	Not Reported
Water Supply Serial #:	0	Well #:	Not Reported
Driller ID:	47-1861	Drill Method:	ROTARY
Other Method Info:	Not Reported	Construction Date:	06-OCT-02
Case Type:	PVC Plastic	Other Casing Info:	Not Reported
Case Diameter (in):	5	Case Depth (ft):	97
Screen Start Depth (ft):	97	Screen End Depth (ft):	132
Static Water Level (ft):	35	Flowing:	N
Test Drawdown Depth (ft):	132	Test Hours:	1
Test Rate:	20	Test Method:	AIR
Well Grouted:	Y	Pump Capacity (gpm):	10
Elevation (ft):	0	Specific Capacity:	0
Rock Top (ft):	84		

8
South
1/4 - 1/2 Mile
Higher

MI WELLS MI600000500519

WELLS:

Well ID:	47000012590	Permit #:	Not Reported
Owner:	DIETERLE, LAURENCE	Well Depth (ft):	71

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Well Type:	Household	Other Type Info:	Not Reported
Well Status:	Active	Other Status Info:	Not Reported
Water Supply Serial #:	0	Well #:	Not Reported
Driller ID:	47-0026	Drill Method:	Cable Tool
Other Method Info:	Not Reported	Construction Date:	01-APR-67
Case Type:	Unknown	Other Casing Info:	Not Reported
Case Diameter (in):	4	Case Depth (ft):	71
Screen Start Depth (ft):	0	Screen End Depth (ft):	0
Static Water Level (ft):	23	Flowing:	N
Test Drawdown Depth (ft):	0	Test Hours:	2
Test Rate:	30	Test Method:	UNK
Well Grouted:	N	Pump Capacity (gpm):	0
Elevation (ft):	880	Specific Capacity:	0
Rock Top (ft):	0		

B9
WNW
1/4 - 1/2 Mile
Higher

MI WELLS MI6000000526212

WELLS:

Well ID:	47000040841	Permit #:	Not Reported
Owner:	CRAFTECH HOMES	Well Depth (ft):	131
Well Type:	Household	Other Type Info:	Not Reported
Well Status:	Active	Other Status Info:	Not Reported
Water Supply Serial #:	0	Well #:	Not Reported
Driller ID:	47-1580	Drill Method:	ROTARY
Other Method Info:	Not Reported	Construction Date:	13-DEC-91
Case Type:	Unknown	Other Casing Info:	Not Reported
Case Diameter (in):	0	Case Depth (ft):	0
Screen Start Depth (ft):	0	Screen End Depth (ft):	0
Static Water Level (ft):	29	Flowing:	N
Test Drawdown Depth (ft):	0	Test Hours:	0
Test Rate:	0	Test Method:	UNK
Well Grouted:	U	Pump Capacity (gpm):	0
Elevation (ft):	0	Specific Capacity:	0
Rock Top (ft):	98		

10
WNW
1/4 - 1/2 Mile
Higher

MI WELLS MI6000000500505

WELLS:

Well ID:	47000012576	Permit #:	Not Reported
Owner:	BUELL, JAMES	Well Depth (ft):	260
Well Type:	Household	Other Type Info:	Not Reported
Well Status:	Active	Other Status Info:	Not Reported
Water Supply Serial #:	0	Well #:	Not Reported
Driller ID:	23-0107	Drill Method:	ROTARY
Other Method Info:	Not Reported	Construction Date:	09-OCT-90
Case Type:	PVC Plastic	Other Casing Info:	Not Reported
Case Diameter (in):	5	Case Depth (ft):	108
Screen Start Depth (ft):	0	Screen End Depth (ft):	0
Static Water Level (ft):	48	Flowing:	N
Test Drawdown Depth (ft):	0	Test Hours:	0
Test Rate:	0	Test Method:	UNK
Well Grouted:	Y	Pump Capacity (gpm):	0

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Elevation (ft): 918 Specific Capacity: 0
 Rock Top (ft): 88

C11
SSE
 1/4 - 1/2 Mile
 Higher

MI WELLS MI6000000527240

WELLS:

Well ID:	47000041893	Permit #:	Not Reported
Owner:	MIKE SHEILDS	Well Depth (ft):	131
Well Type:	Household	Other Type Info:	Not Reported
Well Status:	Active	Other Status Info:	Not Reported
Water Supply Serial #:	0	Well #:	Not Reported
Driller ID:	47-2071	Drill Method:	ROTARY
Other Method Info:	Not Reported	Construction Date:	20-OCT-93
Case Type:	Unknown	Other Casing Info:	Not Reported
Case Diameter (in):	0	Case Depth (ft):	0
Screen Start Depth (ft):	0	Screen End Depth (ft):	0
Static Water Level (ft):	30	Flowing:	N
Test Drawdown Depth (ft):	0	Test Hours:	0
Test Rate:	0	Test Method:	UNK
Well Grouted:	U	Pump Capacity (gpm):	0
Elevation (ft):	0	Specific Capacity:	0
Rock Top (ft):	90		

12
SW
 1/4 - 1/2 Mile
 Higher

MI WELLS MI6000000526990

WELLS:

Well ID:	47000041633	Permit #:	Not Reported
Owner:	WITT BUILDING CO	Well Depth (ft):	60
Well Type:	Household	Other Type Info:	Not Reported
Well Status:	Active	Other Status Info:	Not Reported
Water Supply Serial #:	0	Well #:	Not Reported
Driller ID:	47-0819	Drill Method:	ROTARY
Other Method Info:	Not Reported	Construction Date:	05-MAY-92
Case Type:	Unknown	Other Casing Info:	Not Reported
Case Diameter (in):	0	Case Depth (ft):	0
Screen Start Depth (ft):	55	Screen End Depth (ft):	60
Static Water Level (ft):	9	Flowing:	N
Test Drawdown Depth (ft):	0	Test Hours:	0
Test Rate:	0	Test Method:	UNK
Well Grouted:	U	Pump Capacity (gpm):	0
Elevation (ft):	0	Specific Capacity:	0
Rock Top (ft):	0		

13
SE
 1/4 - 1/2 Mile
 Higher

MI WELLS MI6000000527241

WELLS:

Well ID:	47000041894	Permit #:	Not Reported
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GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Owner:	JIM GIBBONS	Well Depth (ft):	102
Well Type:	Household	Other Type Info:	Not Reported
Well Status:	Active	Other Status Info:	Not Reported
Water Supply Serial #:	0	Well #:	Not Reported
Driller ID:	47-1854	Drill Method:	ROTARY
Other Method Info:	Not Reported	Construction Date:	02-MAY-94
Case Type:	Unknown	Other Casing Info:	Not Reported
Case Diameter (in):	0	Case Depth (ft):	0
Screen Start Depth (ft):	0	Screen End Depth (ft):	0
Static Water Level (ft):	30	Flowing:	N
Test Drawdown Depth (ft):	0	Test Hours:	0
Test Rate:	0	Test Method:	UNK
Well Grouted:	U	Pump Capacity (gpm):	0
Elevation (ft):	0	Specific Capacity:	0
Rock Top (ft):	0		

14
South
1/4 - 1/2 Mile
Higher

MI WELLS MI600000527232

WELLS:

Well ID:	47000041884	Permit #:	93-1108N
Owner:	ANTECK CUSTOM BLD.	Well Depth (ft):	42
Well Type:	Household	Other Type Info:	Not Reported
Well Status:	Active	Other Status Info:	Not Reported
Water Supply Serial #:	0	Well #:	Not Reported
Driller ID:	47-1580	Drill Method:	ROTARY
Other Method Info:	Not Reported	Construction Date:	27-OCT-93
Case Type:	Unknown	Other Casing Info:	Not Reported
Case Diameter (in):	0	Case Depth (ft):	0
Screen Start Depth (ft):	38	Screen End Depth (ft):	42
Static Water Level (ft):	12	Flowing:	N
Test Drawdown Depth (ft):	0	Test Hours:	0
Test Rate:	0	Test Method:	UNK
Well Grouted:	U	Pump Capacity (gpm):	0
Elevation (ft):	0	Specific Capacity:	0
Rock Top (ft):	0		

D15
SSE
1/4 - 1/2 Mile
Lower

MI WELLS MI600000507214

WELLS:

Well ID:	47000019769	Permit #:	001765NW
Owner:	KEN HORGAN	Well Depth (ft):	115
Well Type:	Household	Other Type Info:	Not Reported
Well Status:	Active	Other Status Info:	Not Reported
Water Supply Serial #:	0	Well #:	Not Reported
Driller ID:	47-1924	Drill Method:	ROTARY
Other Method Info:	Not Reported	Construction Date:	17-NOV-00
Case Type:	PVC Plastic	Other Casing Info:	Not Reported
Case Diameter (in):	5	Case Depth (ft):	90
Screen Start Depth (ft):	0	Screen End Depth (ft):	0
Static Water Level (ft):	5	Flowing:	N
Test Drawdown Depth (ft):	5	Test Hours:	2
Test Rate:	50	Test Method:	AIR

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Well Grouted:	Y	Pump Capacity (gpm):	10
Elevation (ft):	0	Specific Capacity:	0
Rock Top (ft):	115		

C16
SE
1/4 - 1/2 Mile
Higher

MI WELLS MI600000527198

WELLS:

Well ID:	47000041849	Permit #:	98-0034
Owner:	DOUG JONES	Well Depth (ft):	79
Well Type:	Household	Other Type Info:	Not Reported
Well Status:	Active	Other Status Info:	Not Reported
Water Supply Serial #:	0	Well #:	Not Reported
Driller ID:	47-1861	Drill Method:	ROTARY
Other Method Info:	Not Reported	Construction Date:	15-JAN-98
Case Type:	Unknown	Other Casing Info:	Not Reported
Case Diameter (in):	0	Case Depth (ft):	0
Screen Start Depth (ft):	75	Screen End Depth (ft):	79
Static Water Level (ft):	22	Flowing:	N
Test Drawdown Depth (ft):	0	Test Hours:	0
Test Rate:	0	Test Method:	UNK
Well Grouted:	U	Pump Capacity (gpm):	0
Elevation (ft):	0	Specific Capacity:	0
Rock Top (ft):	0		

D17
SSE
1/4 - 1/2 Mile
Lower

MI WELLS MI600000513158

WELLS:

Well ID:	47000026345	Permit #:	WEL2006-00075
Owner:	Douglas Heinze	Well Depth (ft):	34
Well Type:	Household	Other Type Info:	Not Reported
Well Status:	Active	Other Status Info:	Not Reported
Water Supply Serial #:	0	Well #:	Not Reported
Driller ID:	47-2072	Drill Method:	ROTARY
Other Method Info:	Not Reported	Construction Date:	22-FEB-06
Case Type:	PVC Plastic	Other Casing Info:	Not Reported
Case Diameter (in):	5	Case Depth (ft):	30
Screen Start Depth (ft):	30	Screen End Depth (ft):	34
Static Water Level (ft):	7	Flowing:	N
Test Drawdown Depth (ft):	22	Test Hours:	4
Test Rate:	12	Test Method:	TSTPUM
Well Grouted:	Y	Pump Capacity (gpm):	12
Elevation (ft):	0	Specific Capacity:	.54545455
Rock Top (ft):	0		

18
SSW
1/4 - 1/2 Mile
Higher

MI WELLS MI600000500516

WELLS:

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Well ID:	47000012587	Permit #:	Not Reported
Owner:	BILA, RONALD	Well Depth (ft):	109
Well Type:	Household	Other Type Info:	Not Reported
Well Status:	Active	Other Status Info:	Not Reported
Water Supply Serial #:	0	Well #:	Not Reported
Driller ID:	47-0026	Drill Method:	Cable Tool
Other Method Info:	Not Reported	Construction Date:	26-MAR-80
Case Type:	Unknown	Other Casing Info:	Not Reported
Case Diameter (in):	4	Case Depth (ft):	105
Screen Start Depth (ft):	105	Screen End Depth (ft):	109
Static Water Level (ft):	50	Flowing:	N
Test Drawdown Depth (ft):	80	Test Hours:	4
Test Rate:	20	Test Method:	UNK
Well Grouted:	N	Pump Capacity (gpm):	0
Elevation (ft):	921	Specific Capacity:	0
Rock Top (ft):	0		

**E19
SSW
1/4 - 1/2 Mile
Higher**

MI WELLS MI6000000527247

WELLS:

Well ID:	47000041900	Permit #:	Not Reported
Owner:	BRET KLAUS	Well Depth (ft):	115
Well Type:	Household	Other Type Info:	Not Reported
Well Status:	Active	Other Status Info:	Not Reported
Water Supply Serial #:	0	Well #:	Not Reported
Driller ID:	47-0994	Drill Method:	ROTARY
Other Method Info:	Not Reported	Construction Date:	26-MAY-95
Case Type:	Unknown	Other Casing Info:	Not Reported
Case Diameter (in):	0	Case Depth (ft):	0
Screen Start Depth (ft):	110	Screen End Depth (ft):	115
Static Water Level (ft):	30	Flowing:	N
Test Drawdown Depth (ft):	0	Test Hours:	0
Test Rate:	0	Test Method:	UNK
Well Grouted:	U	Pump Capacity (gpm):	0
Elevation (ft):	0	Specific Capacity:	0
Rock Top (ft):	0		

**20
NW
1/4 - 1/2 Mile
Higher**

MI WELLS MI6000000526092

WELLS:

Well ID:	47000040721	Permit #:	Not Reported
Owner:	JOE RUSK	Well Depth (ft):	53
Well Type:	Household	Other Type Info:	Not Reported
Well Status:	Active	Other Status Info:	Not Reported
Water Supply Serial #:	0	Well #:	Not Reported
Driller ID:	47-2145	Drill Method:	Cable Tool
Other Method Info:	Not Reported	Construction Date:	14-NOV-95
Case Type:	Unknown	Other Casing Info:	Not Reported
Case Diameter (in):	0	Case Depth (ft):	0
Screen Start Depth (ft):	48	Screen End Depth (ft):	53
Static Water Level (ft):	14	Flowing:	N
Test Drawdown Depth (ft):	0	Test Hours:	0

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Test Rate:	0	Test Method:	UNK
Well Grouted:	U	Pump Capacity (gpm):	0
Elevation (ft):	0	Specific Capacity:	0
Rock Top (ft):	0		

**21
SW
1/4 - 1/2 Mile
Higher**

MI WELLS MI6000000526994

WELLS:

Well ID:	47000041637	Permit #:	92-1259W
Owner:	WITT BUILDING CO	Well Depth (ft):	67
Well Type:	Household	Other Type Info:	Not Reported
Well Status:	Active	Other Status Info:	Not Reported
Water Supply Serial #:	0	Well #:	Not Reported
Driller ID:	47-0819	Drill Method:	ROTARY
Other Method Info:	Not Reported	Construction Date:	18-MAR-93
Case Type:	Unknown	Other Casing Info:	Not Reported
Case Diameter (in):	0	Case Depth (ft):	0
Screen Start Depth (ft):	63	Screen End Depth (ft):	67
Static Water Level (ft):	20	Flowing:	N
Test Drawdown Depth (ft):	0	Test Hours:	0
Test Rate:	0	Test Method:	UNK
Well Grouted:	U	Pump Capacity (gpm):	0
Elevation (ft):	0	Specific Capacity:	0
Rock Top (ft):	0		

**F22
ENE
1/4 - 1/2 Mile
Higher**

MI WELLS MI6000000506532

WELLS:

Well ID:	47000019063	Permit #:	00-0861NW
Owner:	AQUADINE WELL DRLG	Well Depth (ft):	90
Well Type:	Household	Other Type Info:	Not Reported
Well Status:	Active	Other Status Info:	Not Reported
Water Supply Serial #:	0	Well #:	Not Reported
Driller ID:	47-2252	Drill Method:	ROTARY
Other Method Info:	Not Reported	Construction Date:	17-OCT-00
Case Type:	PVC Plastic	Other Casing Info:	Not Reported
Case Diameter (in):	5	Case Depth (ft):	85
Screen Start Depth (ft):	85	Screen End Depth (ft):	90
Static Water Level (ft):	20	Flowing:	N
Test Drawdown Depth (ft):	60	Test Hours:	2
Test Rate:	30	Test Method:	AIR
Well Grouted:	Y	Pump Capacity (gpm):	0
Elevation (ft):	0	Specific Capacity:	0
Rock Top (ft):	0		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
 Direction
 Distance
 Elevation

Database EDR ID Number

G23
NE
 1/4 - 1/2 Mile
 Higher

MI WELLS MI6000000525926

WELLS:

Well ID:	47000040549	Permit #:	98-0200NW
Owner:	FIRST CHOISE BLDG	Well Depth (ft):	128
Well Type:	Household	Other Type Info:	Not Reported
Well Status:	Active	Other Status Info:	Not Reported
Water Supply Serial #:	0	Well #:	Not Reported
Driller ID:	47-1924	Drill Method:	ROTARY
Other Method Info:	Not Reported	Construction Date:	04-JUN-98
Case Type:	Unknown	Other Casing Info:	Not Reported
Case Diameter (in):	0	Case Depth (ft):	0
Screen Start Depth (ft):	0	Screen End Depth (ft):	0
Static Water Level (ft):	39	Flowing:	N
Test Drawdown Depth (ft):	0	Test Hours:	0
Test Rate:	0	Test Method:	UNK
Well Grouted:	U	Pump Capacity (gpm):	0
Elevation (ft):	0	Specific Capacity:	0
Rock Top (ft):	90		

G24
NE
 1/4 - 1/2 Mile
 Higher

MI WELLS MI6000000525933

WELLS:

Well ID:	47000040556	Permit #:	98-0200NW
Owner:	FIRST CHOICE BLDG	Well Depth (ft):	136
Well Type:	Household	Other Type Info:	Not Reported
Well Status:	Active	Other Status Info:	Not Reported
Water Supply Serial #:	0	Well #:	Not Reported
Driller ID:	47-1924	Drill Method:	ROTARY
Other Method Info:	Not Reported	Construction Date:	18-AUG-98
Case Type:	Unknown	Other Casing Info:	Not Reported
Case Diameter (in):	0	Case Depth (ft):	0
Screen Start Depth (ft):	0	Screen End Depth (ft):	0
Static Water Level (ft):	50	Flowing:	N
Test Drawdown Depth (ft):	0	Test Hours:	0
Test Rate:	0	Test Method:	UNK
Well Grouted:	U	Pump Capacity (gpm):	0
Elevation (ft):	0	Specific Capacity:	0
Rock Top (ft):	93		

H25
SSE
 1/2 - 1 Mile
 Lower

MI WELLS MI6000000500522

WELLS:

Well ID:	47000012593	Permit #:	Not Reported
Owner:	WATERS, CLYDE	Well Depth (ft):	79
Well Type:	Household	Other Type Info:	Not Reported

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Well Status:	Active	Other Status Info:	Not Reported
Water Supply Serial #:	0	Well #:	Not Reported
Driller ID:	47-0994	Drill Method:	Cable Tool
Other Method Info:	Not Reported	Construction Date:	27-SEP-79
Case Type:	Unknown	Other Casing Info:	Not Reported
Case Diameter (in):	4	Case Depth (ft):	76
Screen Start Depth (ft):	75	Screen End Depth (ft):	79
Static Water Level (ft):	18	Flowing:	N
Test Drawdown Depth (ft):	60	Test Hours:	2
Test Rate:	12	Test Method:	UNK
Well Grouted:	Y	Pump Capacity (gpm):	0
Elevation (ft):	868	Specific Capacity:	0
Rock Top (ft):	0		

26
SSE
1/2 - 1 Mile
Lower

MI WELLS MI600000500524

WELLS:

Well ID:	47000012595	Permit #:	Not Reported
Owner:	KLAIS, ALAN	Well Depth (ft):	64
Well Type:	Household	Other Type Info:	Not Reported
Well Status:	Active	Other Status Info:	Not Reported
Water Supply Serial #:	0	Well #:	Not Reported
Driller ID:	63-1133	Drill Method:	Cable Tool
Other Method Info:	Not Reported	Construction Date:	07-APR-82
Case Type:	Unknown	Other Casing Info:	Not Reported
Case Diameter (in):	4	Case Depth (ft):	64
Screen Start Depth (ft):	60	Screen End Depth (ft):	64
Static Water Level (ft):	16	Flowing:	N
Test Drawdown Depth (ft):	0	Test Hours:	2
Test Rate:	15	Test Method:	UNK
Well Grouted:	Y	Pump Capacity (gpm):	0
Elevation (ft):	880	Specific Capacity:	0
Rock Top (ft):	0		

E27
SSW
1/2 - 1 Mile
Higher

MI WELLS MI600000500534

WELLS:

Well ID:	47000012606	Permit #:	Not Reported
Owner:	FLEMING, PAT	Well Depth (ft):	138
Well Type:	Household	Other Type Info:	Not Reported
Well Status:	Active	Other Status Info:	Not Reported
Water Supply Serial #:	0	Well #:	Not Reported
Driller ID:	78-1607	Drill Method:	ROTARY
Other Method Info:	Not Reported	Construction Date:	04-DEC-90
Case Type:	PVC Plastic	Other Casing Info:	Not Reported
Case Diameter (in):	5	Case Depth (ft):	136
Screen Start Depth (ft):	129	Screen End Depth (ft):	136
Static Water Level (ft):	20	Flowing:	N
Test Drawdown Depth (ft):	100	Test Hours:	1
Test Rate:	30	Test Method:	UNK
Well Grouted:	Y	Pump Capacity (gpm):	0
Elevation (ft):	913	Specific Capacity:	0

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Rock Top (ft): 0

**I28
WNW
1/2 - 1 Mile
Higher**

MI WELLS MI6000000500425

WELLS:

Well ID:	47000012490	Permit #:	Not Reported
Owner:	LAFOLLETTE, DAVID	Well Depth (ft):	145
Well Type:	Household	Other Type Info:	Not Reported
Well Status:	Active	Other Status Info:	Not Reported
Water Supply Serial #:	0	Well #:	Not Reported
Driller ID:	47-0687	Drill Method:	ROTARY
Other Method Info:	Not Reported	Construction Date:	02-JUN-89
Case Type:	Steel-black	Other Casing Info:	Not Reported
Case Diameter (in):	4	Case Depth (ft):	103
Screen Start Depth (ft):	0	Screen End Depth (ft):	0
Static Water Level (ft):	20	Flowing:	N
Test Drawdown Depth (ft):	100	Test Hours:	3
Test Rate:	30	Test Method:	UNK
Well Grouted:	Y	Pump Capacity (gpm):	0
Elevation (ft):	915	Specific Capacity:	0
Rock Top (ft):	103		

**H29
SSE
1/2 - 1 Mile
Lower**

MI WELLS MI6000000500521

WELLS:

Well ID:	47000012592	Permit #:	Not Reported
Owner:	WATERS, CLYDE	Well Depth (ft):	94
Well Type:	Household	Other Type Info:	Not Reported
Well Status:	Active	Other Status Info:	Not Reported
Water Supply Serial #:	0	Well #:	Not Reported
Driller ID:	47-0994	Drill Method:	Cable Tool
Other Method Info:	Not Reported	Construction Date:	10-MAY-79
Case Type:	Unknown	Other Casing Info:	Not Reported
Case Diameter (in):	4	Case Depth (ft):	91
Screen Start Depth (ft):	90	Screen End Depth (ft):	94
Static Water Level (ft):	8	Flowing:	N
Test Drawdown Depth (ft):	25	Test Hours:	2
Test Rate:	15	Test Method:	UNK
Well Grouted:	Y	Pump Capacity (gpm):	0
Elevation (ft):	870	Specific Capacity:	0
Rock Top (ft):	0		

**30
NW
1/2 - 1 Mile
Higher**

MI WELLS MI6000000526698

WELLS:

Well ID:	47000041330	Permit #:	96-1799NW
Owner:	HILLSIDE HOMES	Well Depth (ft):	80

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Well Type:	Household	Other Type Info:	Not Reported
Well Status:	Active	Other Status Info:	Not Reported
Water Supply Serial #:	0	Well #:	Not Reported
Driller ID:	47-0687	Drill Method:	ROTARY
Other Method Info:	Not Reported	Construction Date:	23-JUN-97
Case Type:	Unknown	Other Casing Info:	Not Reported
Case Diameter (in):	0	Case Depth (ft):	0
Screen Start Depth (ft):	72	Screen End Depth (ft):	80
Static Water Level (ft):	30	Flowing:	N
Test Drawdown Depth (ft):	0	Test Hours:	0
Test Rate:	0	Test Method:	UNK
Well Grouted:	U	Pump Capacity (gpm):	0
Elevation (ft):	0	Specific Capacity:	0
Rock Top (ft):	0		

H31
SSE
1/2 - 1 Mile
Lower

MI WELLS MI6000000500523

WELLS:

Well ID:	47000012594	Permit #:	Not Reported
Owner:	WILLIAMS, MARIE	Well Depth (ft):	72
Well Type:	Household	Other Type Info:	Not Reported
Well Status:	Active	Other Status Info:	Not Reported
Water Supply Serial #:	0	Well #:	Not Reported
Driller ID:	47-0994	Drill Method:	Cable Tool
Other Method Info:	Not Reported	Construction Date:	04-AUG-78
Case Type:	Unknown	Other Casing Info:	Not Reported
Case Diameter (in):	4	Case Depth (ft):	68
Screen Start Depth (ft):	68	Screen End Depth (ft):	72
Static Water Level (ft):	35	Flowing:	N
Test Drawdown Depth (ft):	50	Test Hours:	2
Test Rate:	15	Test Method:	UNK
Well Grouted:	Y	Pump Capacity (gpm):	0
Elevation (ft):	868	Specific Capacity:	0
Rock Top (ft):	0		

32
East
1/2 - 1 Mile
Higher

MI WELLS MI6000000527252

WELLS:

Well ID:	47000041905	Permit #:	98-1927NW
Owner:	ROD PIERON	Well Depth (ft):	56
Well Type:	Household	Other Type Info:	Not Reported
Well Status:	Active	Other Status Info:	Not Reported
Water Supply Serial #:	0	Well #:	Not Reported
Driller ID:	47-1924	Drill Method:	ROTARY
Other Method Info:	Not Reported	Construction Date:	18-MAY-99
Case Type:	Unknown	Other Casing Info:	Not Reported
Case Diameter (in):	0	Case Depth (ft):	0
Screen Start Depth (ft):	51	Screen End Depth (ft):	56
Static Water Level (ft):	3	Flowing:	N
Test Drawdown Depth (ft):	0	Test Hours:	0
Test Rate:	0	Test Method:	UNK
Well Grouted:	U	Pump Capacity (gpm):	0

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Elevation (ft):	0	Specific Capacity:	0
Rock Top (ft):	0		

33
WSW
1/2 - 1 Mile
Higher

MI WELLS MI6000000526996

WELLS:

Well ID:	47000041639	Permit #:	Not Reported
Owner:	WITT BUILDING CO	Well Depth (ft):	40
Well Type:	Household	Other Type Info:	Not Reported
Well Status:	Active	Other Status Info:	Not Reported
Water Supply Serial #:	0	Well #:	Not Reported
Driller ID:	47-0819	Drill Method:	ROTARY
Other Method Info:	Not Reported	Construction Date:	08-DEC-92
Case Type:	Unknown	Other Casing Info:	Not Reported
Case Diameter (in):	0	Case Depth (ft):	0
Screen Start Depth (ft):	36	Screen End Depth (ft):	40
Static Water Level (ft):	6	Flowing:	N
Test Drawdown Depth (ft):	0	Test Hours:	0
Test Rate:	0	Test Method:	UNK
Well Grouted:	U	Pump Capacity (gpm):	0
Elevation (ft):	0	Specific Capacity:	0
Rock Top (ft):	0		

F34
ENE
1/2 - 1 Mile
Higher

MI WELLS MI6000000500407

WELLS:

Well ID:	47000012472	Permit #:	Not Reported
Owner:	GARRATT, WILLIS	Well Depth (ft):	154
Well Type:	Household	Other Type Info:	Not Reported
Well Status:	Active	Other Status Info:	Not Reported
Water Supply Serial #:	0	Well #:	Not Reported
Driller ID:	47-0026	Drill Method:	ROTARY
Other Method Info:	Not Reported	Construction Date:	26-SEP-88
Case Type:	Unknown	Other Casing Info:	Not Reported
Case Diameter (in):	4	Case Depth (ft):	107
Screen Start Depth (ft):	0	Screen End Depth (ft):	0
Static Water Level (ft):	37.5	Flowing:	N
Test Drawdown Depth (ft):	55	Test Hours:	2
Test Rate:	15	Test Method:	UNK
Well Grouted:	Y	Pump Capacity (gpm):	0
Elevation (ft):	915	Specific Capacity:	0
Rock Top (ft):	95		

J35
ENE
1/2 - 1 Mile
Higher

MI WELLS MI6000000500527

WELLS:

Well ID:	47000012598	Permit #:	Not Reported
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GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Owner:	WIRTH, MELVIN	Well Depth (ft):	151
Well Type:	Household	Other Type Info:	Not Reported
Well Status:	Active	Other Status Info:	Not Reported
Water Supply Serial #:	0	Well #:	Not Reported
Driller ID:	47-0026	Drill Method:	ROTARY
Other Method Info:	Not Reported	Construction Date:	26-APR-78
Case Type:	Steel-black	Other Casing Info:	Not Reported
Case Diameter (in):	4	Case Depth (ft):	110
Screen Start Depth (ft):	0	Screen End Depth (ft):	0
Static Water Level (ft):	65	Flowing:	N
Test Drawdown Depth (ft):	0	Test Hours:	0
Test Rate:	0	Test Method:	UNK
Well Grouted:	Y	Pump Capacity (gpm):	0
Elevation (ft):	880	Specific Capacity:	0
Rock Top (ft):	101		

**36
SW
1/2 - 1 Mile
Higher**

MI WELLS MI600000526995

WELLS:

Well ID:	47000041638	Permit #:	Not Reported
Owner:	WITT BUILDING CO	Well Depth (ft):	58
Well Type:	Household	Other Type Info:	Not Reported
Well Status:	Active	Other Status Info:	Not Reported
Water Supply Serial #:	0	Well #:	Not Reported
Driller ID:	47-0819	Drill Method:	ROTARY
Other Method Info:	Not Reported	Construction Date:	09-DEC-92
Case Type:	Unknown	Other Casing Info:	Not Reported
Case Diameter (in):	0	Case Depth (ft):	0
Screen Start Depth (ft):	54	Screen End Depth (ft):	58
Static Water Level (ft):	8	Flowing:	N
Test Drawdown Depth (ft):	0	Test Hours:	0
Test Rate:	0	Test Method:	UNK
Well Grouted:	U	Pump Capacity (gpm):	0
Elevation (ft):	0	Specific Capacity:	0
Rock Top (ft):	0		

**K37
SSW
1/2 - 1 Mile
Higher**

MI WELLS MI600000516155

WELLS:

Well ID:	47000030173	Permit #:	2012-00370
Owner:	RODNEY ROWSE	Well Depth (ft):	54
Well Type:	Household	Other Type Info:	Not Reported
Well Status:	Active	Other Status Info:	Not Reported
Water Supply Serial #:	0	Well #:	Not Reported
Driller ID:	47-1861	Drill Method:	ROTARY
Other Method Info:	Not Reported	Construction Date:	05-FEB-13
Case Type:	PVC Plastic	Other Casing Info:	Not Reported
Case Diameter (in):	5	Case Depth (ft):	50
Screen Start Depth (ft):	50	Screen End Depth (ft):	54
Static Water Level (ft):	29	Flowing:	N
Test Drawdown Depth (ft):	54	Test Hours:	2
Test Rate:	25	Test Method:	AIR

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Well Grouted:	Y	Pump Capacity (gpm):	12
Elevation (ft):	0	Specific Capacity:	0
Rock Top (ft):	0		

**38
ENE
1/2 - 1 Mile
Higher**

MI WELLS MI600000505980

WELLS:

Well ID:	47000018490	Permit #:	00-0170 RW
Owner:	MIKE TARTAGLIS	Well Depth (ft):	118
Well Type:	Household	Other Type Info:	Not Reported
Well Status:	Active	Other Status Info:	Not Reported
Water Supply Serial #:	0	Well #:	Not Reported
Driller ID:	47-0027	Drill Method:	Cable Tool
Other Method Info:	Not Reported	Construction Date:	22-FEB-00
Case Type:	Steel-black	Other Casing Info:	Not Reported
Case Diameter (in):	5	Case Depth (ft):	113
Screen Start Depth (ft):	0	Screen End Depth (ft):	0
Static Water Level (ft):	42	Flowing:	N
Test Drawdown Depth (ft):	70	Test Hours:	4
Test Rate:	20	Test Method:	TSTPUM
Well Grouted:	Y	Pump Capacity (gpm):	20
Elevation (ft):	910	Specific Capacity:	.28571429
Rock Top (ft):	88		

**139
WNW
1/2 - 1 Mile
Higher**

MI WELLS MI600000500424

WELLS:

Well ID:	47000012489	Permit #:	Not Reported
Owner:	ERICKSON, JOHN	Well Depth (ft):	50
Well Type:	Household	Other Type Info:	Not Reported
Well Status:	Active	Other Status Info:	Not Reported
Water Supply Serial #:	0	Well #:	Not Reported
Driller ID:	47-1924	Drill Method:	ROTARY
Other Method Info:	Not Reported	Construction Date:	28-JUN-90
Case Type:	PVC Plastic	Other Casing Info:	Not Reported
Case Diameter (in):	5	Case Depth (ft):	45
Screen Start Depth (ft):	46	Screen End Depth (ft):	50
Static Water Level (ft):	7	Flowing:	N
Test Drawdown Depth (ft):	0	Test Hours:	2
Test Rate:	20	Test Method:	UNK
Well Grouted:	Y	Pump Capacity (gpm):	0
Elevation (ft):	915	Specific Capacity:	0
Rock Top (ft):	0		

**L40
WNW
1/2 - 1 Mile
Higher**

MI WELLS MI600000519838

WELLS:

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Well ID:	47000034321	Permit #:	2019-00222
Owner:	Keith Gordon	Well Depth (ft):	158
Well Type:	Household	Other Type Info:	Not Reported
Well Status:	Active	Other Status Info:	Not Reported
Water Supply Serial #:	0	Well #:	Not Reported
Driller ID:	47-1924	Drill Method:	ROTARY
Other Method Info:	Not Reported	Construction Date:	16-DEC-19
Case Type:	PVC Plastic	Other Casing Info:	Not Reported
Case Diameter (in):	5	Case Depth (ft):	95
Screen Start Depth (ft):	0	Screen End Depth (ft):	0
Static Water Level (ft):	40	Flowing:	N
Test Drawdown Depth (ft):	158	Test Hours:	1
Test Rate:	100	Test Method:	AIR
Well Grouted:	Y	Pump Capacity (gpm):	10
Elevation (ft):	0	Specific Capacity:	0
Rock Top (ft):	91		

J41
East
1/2 - 1 Mile
Higher

MI WELLS MI600000525929

WELLS:

Well ID:	47000040552	Permit #:	98-1273NW
Owner:	PIERON BLDG.	Well Depth (ft):	60
Well Type:	Household	Other Type Info:	Not Reported
Well Status:	Active	Other Status Info:	Not Reported
Water Supply Serial #:	0	Well #:	Not Reported
Driller ID:	47-1924	Drill Method:	ROTARY
Other Method Info:	Not Reported	Construction Date:	19-OCT-98
Case Type:	Unknown	Other Casing Info:	Not Reported
Case Diameter (in):	0	Case Depth (ft):	0
Screen Start Depth (ft):	56	Screen End Depth (ft):	60
Static Water Level (ft):	8	Flowing:	N
Test Drawdown Depth (ft):	0	Test Hours:	0
Test Rate:	0	Test Method:	UNK
Well Grouted:	U	Pump Capacity (gpm):	0
Elevation (ft):	0	Specific Capacity:	0
Rock Top (ft):	0		

L42
WNW
1/2 - 1 Mile
Higher

MI WELLS MI600000526111

WELLS:

Well ID:	47000040740	Permit #:	96-1793NW
Owner:	DENNIS RODDENBERG	Well Depth (ft):	58
Well Type:	Household	Other Type Info:	Not Reported
Well Status:	Active	Other Status Info:	Not Reported
Water Supply Serial #:	0	Well #:	Not Reported
Driller ID:	47-1580	Drill Method:	ROTARY
Other Method Info:	Not Reported	Construction Date:	06-NOV-96
Case Type:	Unknown	Other Casing Info:	Not Reported
Case Diameter (in):	0	Case Depth (ft):	0
Screen Start Depth (ft):	0	Screen End Depth (ft):	0
Static Water Level (ft):	10	Flowing:	N
Test Drawdown Depth (ft):	0	Test Hours:	0

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Test Rate:	0	Test Method:	UNK
Well Grouted:	U	Pump Capacity (gpm):	0
Elevation (ft):	0	Specific Capacity:	0
Rock Top (ft):	50		

43
East
1/2 - 1 Mile
Higher

MI WELLS MI6000000527249

WELLS:

Well ID:	47000041902	Permit #:	98-1274NW
Owner:	PIERON BLDG	Well Depth (ft):	117
Well Type:	Household	Other Type Info:	Not Reported
Well Status:	Active	Other Status Info:	Not Reported
Water Supply Serial #:	0	Well #:	Not Reported
Driller ID:	47-1924	Drill Method:	ROTARY
Other Method Info:	Not Reported	Construction Date:	03-NOV-98
Case Type:	Unknown	Other Casing Info:	Not Reported
Case Diameter (in):	0	Case Depth (ft):	0
Screen Start Depth (ft):	0	Screen End Depth (ft):	0
Static Water Level (ft):	35	Flowing:	N
Test Drawdown Depth (ft):	0	Test Hours:	0
Test Rate:	0	Test Method:	UNK
Well Grouted:	U	Pump Capacity (gpm):	0
Elevation (ft):	0	Specific Capacity:	0
Rock Top (ft):	78		

M44
NE
1/2 - 1 Mile
Higher

MI WELLS MI6000000519882

WELLS:

Well ID:	47000034371	Permit #:	WEL2020-00007
Owner:	PHYLLIS MISENAR	Well Depth (ft):	102
Well Type:	Household	Other Type Info:	Not Reported
Well Status:	Active	Other Status Info:	Not Reported
Water Supply Serial #:	0	Well #:	Not Reported
Driller ID:	47-1861	Drill Method:	ROTARY
Other Method Info:	Not Reported	Construction Date:	20-JAN-20
Case Type:	PVC Plastic	Other Casing Info:	Not Reported
Case Diameter (in):	5	Case Depth (ft):	94
Screen Start Depth (ft):	94	Screen End Depth (ft):	102
Static Water Level (ft):	30	Flowing:	N
Test Drawdown Depth (ft):	102	Test Hours:	1
Test Rate:	40	Test Method:	AIR
Well Grouted:	Y	Pump Capacity (gpm):	10
Elevation (ft):	0	Specific Capacity:	0
Rock Top (ft):	0		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation

Database EDR ID Number

M45
NE
1/2 - 1 Mile
Higher

MI WELLS MI600000519883

WELLS:

Well ID:	47000034372	Permit #:	WEL2020-00007
Owner:	PHYLLIS MISENAR	Well Depth (ft):	110
Well Type:	Household	Other Type Info:	Not Reported
Well Status:	Plugged/Abandoned	Other Status Info:	Not Reported
Water Supply Serial #:	0	Well #:	Not Reported
Driller ID:	47-1861	Drill Method:	ROTARY
Other Method Info:	Not Reported	Construction Date:	17-JAN-20
Case Type:	PVC Plastic	Other Casing Info:	Not Reported
Case Diameter (in):	5	Case Depth (ft):	102
Screen Start Depth (ft):	0	Screen End Depth (ft):	0
Static Water Level (ft):	0	Flowing:	N
Test Drawdown Depth (ft):	0	Test Hours:	0
Test Rate:	0	Test Method:	Not Reported
Well Grouted:	Y	Pump Capacity (gpm):	0
Elevation (ft):	0	Specific Capacity:	0
Rock Top (ft):	0		

M46
NE
1/2 - 1 Mile
Higher

MI WELLS MI600000500400

WELLS:

Well ID:	47000012465	Permit #:	Not Reported
Owner:	BRICKER, JACK	Well Depth (ft):	100
Well Type:	Household	Other Type Info:	Not Reported
Well Status:	Active	Other Status Info:	Not Reported
Water Supply Serial #:	0	Well #:	Not Reported
Driller ID:	78-1213	Drill Method:	Cable Tool
Other Method Info:	Not Reported	Construction Date:	21-JUL-77
Case Type:	Unknown	Other Casing Info:	Not Reported
Case Diameter (in):	4	Case Depth (ft):	96
Screen Start Depth (ft):	96	Screen End Depth (ft):	100
Static Water Level (ft):	40	Flowing:	N
Test Drawdown Depth (ft):	55	Test Hours:	2
Test Rate:	20	Test Method:	UNK
Well Grouted:	N	Pump Capacity (gpm):	0
Elevation (ft):	905	Specific Capacity:	0
Rock Top (ft):	0		

M47
NE
1/2 - 1 Mile
Higher

MI WELLS MI600000500398

WELLS:

Well ID:	47000012463	Permit #:	Not Reported
Owner:	WROBLEWSKI, MICHAEL	Well Depth (ft):	86
Well Type:	Household	Other Type Info:	Not Reported

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Well Status:	Active	Other Status Info:	Not Reported
Water Supply Serial #:	0	Well #:	Not Reported
Driller ID:	81-1586	Drill Method:	Cable Tool
Other Method Info:	Not Reported	Construction Date:	19-OCT-78
Case Type:	Unknown	Other Casing Info:	Not Reported
Case Diameter (in):	4	Case Depth (ft):	86
Screen Start Depth (ft):	81	Screen End Depth (ft):	86
Static Water Level (ft):	27	Flowing:	N
Test Drawdown Depth (ft):	29	Test Hours:	2
Test Rate:	12	Test Method:	UNK
Well Grouted:	Y	Pump Capacity (gpm):	0
Elevation (ft):	900	Specific Capacity:	0
Rock Top (ft):	0		

N48
South
1/2 - 1 Mile
Higher

MI WELLS MI600000500529

WELLS:

Well ID:	47000012600	Permit #:	Not Reported
Owner:	NOBLE, RAY	Well Depth (ft):	102
Well Type:	Household	Other Type Info:	Not Reported
Well Status:	Active	Other Status Info:	Not Reported
Water Supply Serial #:	0	Well #:	Not Reported
Driller ID:	47-1854	Drill Method:	Cable Tool
Other Method Info:	Not Reported	Construction Date:	11-DEC-89
Case Type:	Steel-black	Other Casing Info:	Not Reported
Case Diameter (in):	4	Case Depth (ft):	98
Screen Start Depth (ft):	98	Screen End Depth (ft):	102
Static Water Level (ft):	20	Flowing:	N
Test Drawdown Depth (ft):	40	Test Hours:	2
Test Rate:	20	Test Method:	UNK
Well Grouted:	Y	Pump Capacity (gpm):	0
Elevation (ft):	903	Specific Capacity:	0
Rock Top (ft):	0		

K49
SSW
1/2 - 1 Mile
Higher

MI WELLS MI600000527244

WELLS:

Well ID:	47000041897	Permit #:	95-1270NW
Owner:	B.D.DONOVAN	Well Depth (ft):	85
Well Type:	Household	Other Type Info:	Not Reported
Well Status:	Active	Other Status Info:	Not Reported
Water Supply Serial #:	0	Well #:	Not Reported
Driller ID:	47-1580	Drill Method:	ROTARY
Other Method Info:	Not Reported	Construction Date:	20-NOV-95
Case Type:	Unknown	Other Casing Info:	Not Reported
Case Diameter (in):	0	Case Depth (ft):	0
Screen Start Depth (ft):	81	Screen End Depth (ft):	85
Static Water Level (ft):	42	Flowing:	N
Test Drawdown Depth (ft):	0	Test Hours:	0
Test Rate:	0	Test Method:	UNK
Well Grouted:	U	Pump Capacity (gpm):	0
Elevation (ft):	0	Specific Capacity:	0

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Rock Top (ft): 0

K50
SSW
1/2 - 1 Mile
Higher

MI WELLS MI6000000527140

WELLS:

Well ID:	47000041788	Permit #:	95-1270NW
Owner:	B.D. DONOVAN	Well Depth (ft):	138
Well Type:	Household	Other Type Info:	Not Reported
Well Status:	Active	Other Status Info:	Not Reported
Water Supply Serial #:	0	Well #:	Not Reported
Driller ID:	47-1580	Drill Method:	ROTARY
Other Method Info:	Not Reported	Construction Date:	15-DEC-95
Case Type:	Unknown	Other Casing Info:	Not Reported
Case Diameter (in):	0	Case Depth (ft):	0
Screen Start Depth (ft):	134	Screen End Depth (ft):	138
Static Water Level (ft):	42	Flowing:	N
Test Drawdown Depth (ft):	0	Test Hours:	0
Test Rate:	0	Test Method:	UNK
Well Grouted:	U	Pump Capacity (gpm):	0
Elevation (ft):	0	Specific Capacity:	0
Rock Top (ft):	0		

O51
ESE
1/2 - 1 Mile
Higher

MI WELLS MI6000000500530

WELLS:

Well ID:	47000012602	Permit #:	Not Reported
Owner:	JOHNSON, CLIFF	Well Depth (ft):	130
Well Type:	Household	Other Type Info:	Not Reported
Well Status:	Active	Other Status Info:	Not Reported
Water Supply Serial #:	0	Well #:	Not Reported
Driller ID:	47-0026	Drill Method:	ROTARY
Other Method Info:	Not Reported	Construction Date:	18-AUG-71
Case Type:	Unknown	Other Casing Info:	Not Reported
Case Diameter (in):	4	Case Depth (ft):	90
Screen Start Depth (ft):	0	Screen End Depth (ft):	0
Static Water Level (ft):	20	Flowing:	N
Test Drawdown Depth (ft):	0	Test Hours:	0
Test Rate:	0	Test Method:	UNK
Well Grouted:	Y	Pump Capacity (gpm):	0
Elevation (ft):	890	Specific Capacity:	0
Rock Top (ft):	82		

L52
WNW
1/2 - 1 Mile
Higher

MI WELLS MI6000000500421

WELLS:

Well ID:	47000012486	Permit #:	Not Reported
Owner:	HAMILTON, SAMUEL	Well Depth (ft):	145

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Well Type:	Household	Other Type Info:	Not Reported
Well Status:	Active	Other Status Info:	Not Reported
Water Supply Serial #:	0	Well #:	Not Reported
Driller ID:	25-1947	Drill Method:	ROTARY
Other Method Info:	Not Reported	Construction Date:	20-JUL-90
Case Type:	PVC Plastic	Other Casing Info:	Not Reported
Case Diameter (in):	5	Case Depth (ft):	111
Screen Start Depth (ft):	0	Screen End Depth (ft):	0
Static Water Level (ft):	25	Flowing:	N
Test Drawdown Depth (ft):	80	Test Hours:	1
Test Rate:	25	Test Method:	UNK
Well Grouted:	Y	Pump Capacity (gpm):	0
Elevation (ft):	915	Specific Capacity:	0
Rock Top (ft):	100		

**53
SW
1/2 - 1 Mile
Higher**

MI WELLS MI600000500494

WELLS:

Well ID:	47000012565	Permit #:	Not Reported
Owner:	BIELOUS, EUGENE	Well Depth (ft):	30
Well Type:	Household	Other Type Info:	Not Reported
Well Status:	Active	Other Status Info:	Not Reported
Water Supply Serial #:	0	Well #:	Not Reported
Driller ID:	47-0026	Drill Method:	Hollow Rod
Other Method Info:	Not Reported	Construction Date:	22-JUL-67
Case Type:	Unknown	Other Casing Info:	Not Reported
Case Diameter (in):	2	Case Depth (ft):	27.5
Screen Start Depth (ft):	27.5	Screen End Depth (ft):	30
Static Water Level (ft):	10	Flowing:	N
Test Drawdown Depth (ft):	0	Test Hours:	1
Test Rate:	15	Test Method:	UNK
Well Grouted:	Y	Pump Capacity (gpm):	0
Elevation (ft):	920	Specific Capacity:	0
Rock Top (ft):	0		

**P54
ENE
1/2 - 1 Mile
Higher**

MI WELLS MI600000508836

WELLS:

Well ID:	47000021418	Permit #:	Not Reported
Owner:	CRAIG DOUGLAS	Well Depth (ft):	58
Well Type:	Household	Other Type Info:	Not Reported
Well Status:	Active	Other Status Info:	Not Reported
Water Supply Serial #:	0	Well #:	Not Reported
Driller ID:	47-1833	Drill Method:	ROTARY
Other Method Info:	Not Reported	Construction Date:	12-AUG-02
Case Type:	PVC Plastic	Other Casing Info:	Not Reported
Case Diameter (in):	5	Case Depth (ft):	52
Screen Start Depth (ft):	52	Screen End Depth (ft):	58
Static Water Level (ft):	29	Flowing:	N
Test Drawdown Depth (ft):	50	Test Hours:	2
Test Rate:	15	Test Method:	AIR
Well Grouted:	Y	Pump Capacity (gpm):	12

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Elevation (ft):	0	Specific Capacity:	0
Rock Top (ft):	0		

P55
ENE
1/2 - 1 Mile
Higher

MI WELLS MI600000500401

WELLS:

Well ID:	47000012466	Permit #:	Not Reported
Owner:	MOULES, JOHN	Well Depth (ft):	154
Well Type:	Household	Other Type Info:	Not Reported
Well Status:	Active	Other Status Info:	Not Reported
Water Supply Serial #:	0	Well #:	Not Reported
Driller ID:	47-0026	Drill Method:	Hollow Rod
Other Method Info:	Not Reported	Construction Date:	01-NOV-66
Case Type:	Unknown	Other Casing Info:	Not Reported
Case Diameter (in):	2	Case Depth (ft):	135
Screen Start Depth (ft):	0	Screen End Depth (ft):	0
Static Water Level (ft):	40	Flowing:	N
Test Drawdown Depth (ft):	0	Test Hours:	4.5
Test Rate:	7	Test Method:	UNK
Well Grouted:	N	Pump Capacity (gpm):	0
Elevation (ft):	912	Specific Capacity:	0
Rock Top (ft):	113		

56
ESE
1/2 - 1 Mile
Higher

MI WELLS MI600000527251

WELLS:

Well ID:	47000041904	Permit #:	96-1927NW
Owner:	CULEN BUILDERS	Well Depth (ft):	107
Well Type:	Household	Other Type Info:	Not Reported
Well Status:	Active	Other Status Info:	Not Reported
Water Supply Serial #:	0	Well #:	Not Reported
Driller ID:	47-1833	Drill Method:	ROTARY
Other Method Info:	Not Reported	Construction Date:	17-JUL-99
Case Type:	Unknown	Other Casing Info:	Not Reported
Case Diameter (in):	0	Case Depth (ft):	0
Screen Start Depth (ft):	0	Screen End Depth (ft):	0
Static Water Level (ft):	38	Flowing:	N
Test Drawdown Depth (ft):	0	Test Hours:	0
Test Rate:	0	Test Method:	UNK
Well Grouted:	U	Pump Capacity (gpm):	0
Elevation (ft):	0	Specific Capacity:	0
Rock Top (ft):	71		

Q57
ENE
1/2 - 1 Mile
Higher

MI WELLS MI600000500399

WELLS:

Well ID:	47000012464	Permit #:	Not Reported
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