

The background image shows an industrial facility, likely a waste-to-energy plant or recycling center. A long conveyor belt runs diagonally across the frame, carrying a large volume of white, fluffy material, possibly shredded paper or plastic. In the background, there are large yellow overhead cranes and industrial structures. The entire image has a blue color overlay.

# **Permit to Construct Application Solid Waste Disposal Area**

**Reworld Solutions, LLC  
Warren, Macomb County, Michigan**

**Project No. 231717  
August 2024**



MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

Materials Management Division

**APPLICATION FOR PERMIT TO CONSTRUCT A SOLID WASTE DISPOSAL AREA**

(Application is hereby made to the Director, Michigan Department of Environment, Great Lakes, and Energy, for a permit to construct a solid waste disposal area, as required under the provisions of Part 115, Solid Waste Management, of the Natural Resources and Environmental Protection Act, 1994 PA 451, as amended. Completion of this form is required to obtain a permit. Providing false information may result in civil or criminal penalties.)

Applicant, please complete all sections.

<b>I. FACILITY NAME AND PHYSICAL LOCATION</b>			
NAME OF FACILITY: Reworld Solutions, LLC			
ADDRESS (STREET): 21750 Hoover Road			
CITY: Warren		STATE: MI	ZIP CODE: 48089
TOWNSHIP:	COUNTY: Macomb	TELEPHONE: ( ) -	

<b>II. FACILITY OWNER/APPLICANT</b>			
LEGAL NAME OF FACILITY OWNER/APPLICANT: Reworld Solutions, LLC		WDS NUMBER: 437265	
MI CORPORATE ID NUMBER: 802668364	ADDRESS (MAILING): 445 South Street		
CITY: Morristown	STATE: MI	ZIP CODE: 07960	
REPRESENTATIVE OF FACILITY OWNER: Domenico Venezia	TITLE: Director EHS		
EMAIL: dvenezia@reworldwaste.com		TELEPHONE: (862) 485-7673	
PERSON PREPARING APPLICATION: Domenico Venezia	TITLE:		
EMAIL: dvenezia@reworldwaste.com		TELEPHONE: (862) 485-7673	

<b>III. PROPERTY OWNER(S) and MINERAL RIGHTS OWNER(S)</b> List all entities that own a portion of either the property and/or mineral rights.			
NAME OF OWNER(S): Attach separate sheet if necessary. Reworld Solutions, LLC			
EMAIL: dvenezia@reworldwaste.com		TELEPHONE: (862) 485-7673	
CONTACT PERSON(S): Attach a separate sheet if necessary. Domenico Venezia		TELEPHONE: (862) 485-7673	
ADDRESS: 445 South Street	CITY: Morristown	STATE: NJ	ZIP CODE: 07960
EMAIL: dvenezia@reworldwaste.com		TELEPHONE: (862) 485-7673	

<b>IV. APPLICATION TYPE</b> Check one.			
<input type="checkbox"/> Lateral Expansion	<input type="checkbox"/> Vertical Expansion	<input type="checkbox"/> Change in Disposal Type	<input type="checkbox"/> Re-submittal
<input type="checkbox"/> New Application	<input type="checkbox"/> Renewal Application	<input checked="" type="checkbox"/> New Disposal Area	<input type="checkbox"/> Modification

<b>V. TYPE OF DISPOSAL AREA</b> Check all that apply.		
	<u>PERMITTED</u>	<u>PROPOSED</u>
<input type="checkbox"/> Type II Landfill	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/> Municipal SW Incinerator Ash Landfill	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/> Type III Landfill	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/> Industrial Waste	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/> Low Hazard Industrial Waste	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/> Construction and Demolition Waste	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/> Surface Impoundment	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/> Other	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/> Coal Ash Landfill	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/> Coal Ash Impoundment	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/> SW Processing and Transfer Facility (PTF)	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<input type="checkbox"/> Other	<input type="checkbox"/>	<input type="checkbox"/>

**VI. TYPE OF DISPOSAL AREA** Check all that apply.

Facility Area 3.85 acres

**LANDFILLS LAND USE:**

- ☐ Lateral Expansion acres  
☐ Vertical Expansion acres  
☐ New Disposal Area acres  
☐ Isolation and Ancillary Area acres  
☐ Current Solid Waste Unit(s) or Portion of Unit(s) on site  
☐ Active Fill Area acres  
☐ Closed Area acres  
☐ Unclosed Area acres  
☐ Unconstructed Area acres

**VII. DESIGN CAPACITY**

## Landfill

Current Filled	cubic yards	
Current Remaining	cubic yards	Years remaining (estimated)
Proposed New	cubic yards	Years projected (estimated)
Other disposal areas capacity	400 cubic yards	

**VIII. FEE and APPLICATION DOCUMENTS**

- ☒ Copy of Application Fee is attached: Amount \$1000  
☒ Copy of Application Fee Checklist is attached.  
☒ Administrative Completeness Worksheet is attached ☐ NA  
☒ Facility Map is attached.  
☒ Facility Legal Description is attached.  
☒ Description of waste type(s) is attached. ☐ NA  
☒ Date Advisory Analysis Requested DATE: 4/18/2024

I hereby certify that this information and attached pages are correct and complete.

FACILITY OWNER'S  
SIGNATURE: \_\_\_\_\_

DATE: 8-20-24

TYPED or PRINTED NAME: Domenico Venezia

TITLE: Director EHS

PROPERTY OWNER'S  
SIGNATURE: \_\_\_\_\_

DATE: 8-20-24

TYPED or PRINTED NAME: Domenico Venezia

TITLE: Director EHS

# CONSTRUCTION PERMIT APPLICATION FEE WORKSHEET

For Cashier Use Only:	LF
Accounting Template: 761RSWCONSTRPRMT	

LEGAL NAME OF FACILITY: Reworld Solutions, LLC	WDS NUMBER: 437265
LEGAL NAME OF FACILITY OWNER/APPLICATE: Reworld Solutions, LLC	

TYPE OF FACILITY Section of Act	NEW <sup>1</sup> 11509(3)(a)	LAT EXP <sup>1</sup> 11509(3)(b)	VERT EXP 11509(3)	RTP/PP <sup>2</sup> 11509(4)	MODIFY or RENEWAL 11509(6)
1. <input type="checkbox"/> Type II Landfill (Includes MSW Ash)	<input type="checkbox"/> \$3,000	<input type="checkbox"/> \$2,000	<input type="checkbox"/> \$1,500		
2. <input type="checkbox"/> Type III Industrial Waste Landfill					
<input type="checkbox"/> Industrial	<input type="checkbox"/> \$2,000	<input type="checkbox"/> \$1,500	<input type="checkbox"/> \$1,000		
<input type="checkbox"/> Low Hazard Industrial	<input type="checkbox"/> \$1,500	<input type="checkbox"/> \$1,000	<input type="checkbox"/> \$500		
<input type="checkbox"/> Construction & Demolition	<input type="checkbox"/> \$1,500	<input type="checkbox"/> \$1,000	<input type="checkbox"/> \$500		
3. <input checked="" type="checkbox"/> Processing & Transfer Facility/ Other/Combination					
<input type="checkbox"/> MSW, Et al.				<input type="checkbox"/> \$2,000	
<input checked="" type="checkbox"/> Industrial Waste or Construction & Demolition				<input checked="" type="checkbox"/> \$1,000	
<input type="checkbox"/> Other				<input type="checkbox"/> \$1,000	
<input type="checkbox"/> Expansion				<input type="checkbox"/> \$500	
4. <input type="checkbox"/> Modification or Renewal					<input type="checkbox"/> \$500
SUBTOTAL \$	\$	\$	\$	\$1000	\$
APPLICATION FEE TOTAL (NEW + LAT EXP + VERT + RTS/PP + MODIFY) \$1000					

PREPARER'S SIGNATURE:	DATE: <u>8-20-24</u>
TYPED or PRINTED NAME: <u>Domenico Venezia</u>	
TITLE: <u>Director EHS</u>	
Telephone: <u>(865)-485-7673</u>	E-mail: <u>dvenezia@reworldwaste.com</u>

**NOTE:** If the application is for any combination of disposal are types, the applicant shall pay the sum of the individual fees [Section 11509(8)]. However, the application fee under Section 11509(5) is not accumulative, whereas the fees under Section 11509(4) are accumulative.

<sup>1</sup> The subtotal of this column is the sum of all the applicable fees.

<sup>2</sup> Only one fee box in this column is to be checked. Select the largest fee within line 3.

Make check or money order payable to:	REMIT TO:
<b>State of Michigan</b>	<b>EGLE Cashier Office PO BOX 30657 Lansing, MI 48909-8157</b>

Return the completed and signed Construction Permit Application Fee Worksheet and the application fee to the Cashier Office. The remainder of the application documents, a *copy* of this Worksheet, a *copy* of the application fee, and any attachments directly to the Department of Environment, Great Lakes, and Energy through the Materials Management Division's District Office. If the proposed disposal area is located in Wayne County, return a *copy* of the remainder of the application documents, a *copy* of this Worksheet, a *copy* of the application fee, and *copies* of any attachments to Wayne County Land Resource Management Division.

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## MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

### Materials Management Division

### CHECKLIST FOR ADMINISTRATIVE COMPLETENESS SOLID WASTE LANDFILL CONSTRUCTION PERMIT PACKET

*This information is authorized under Part 115, Solid Waste Management, of the Natural Resources and Environmental Protection Act, 1994 PA 451, as amended. Failure to submit will result in the return of the application as administratively incomplete.*

The information indicated on this checklist is necessary for a solid waste landfill construction permit application to be administratively complete pursuant to the administrative rules for Part 115.

Please complete and submit this "Checklist for Administrative Completeness" with the construction permit application. For Part A 1 - 12 - General Information, please indicate by checking in allotted space that you have included the information and in A - 13 indicate amount of enclosed check and in A-15 indicated the date that the advisory analysis was requested. For Parts B through N, please record in the allotted space the location of the documents in the construction permit packet where the required information can be found. To facilitate our review of the construction permit application, please complete this administrative completeness checklist in its entirety and enclose all of the requisite information.

All 'non-shaded' boxes ( ☐ ) require a response; 'dark-shaded' boxes ( ☒ ) do not.

'Light-shaded' boxes ( ☐ ) may be used to record information but does not necessarily require a response.

	<b>A. General information required to be submitted on the construction permit application provided. Rule 902(1)(a).</b>
<input checked="" type="checkbox"/>	1. Name and location of the facility.
<input checked="" type="checkbox"/>	2. Name and address of the operation.
<input checked="" type="checkbox"/>	3. Name and address of the property owner(s).
<input checked="" type="checkbox"/>	4. Name and address of any mineral rights owner(s).
<input checked="" type="checkbox"/>	5. The type of disposal area proposed.
<input checked="" type="checkbox"/>	6. The type of application being submitted.
<input checked="" type="checkbox"/>	7. A description of the type of waste proposed for disposal attached to application form.
<input checked="" type="checkbox"/>	8. The number of acres applied for.
<input type="checkbox"/>	9. The design capacity of the landfill.
<input checked="" type="checkbox"/>	10. The signature of the owner and proposed operator.

<input checked="" type="checkbox"/>	11. Facility map included with application form.
<input checked="" type="checkbox"/>	12. Facility's legal description attached to application form.
\$1,000	13. Indicate the amount of the application fee <b>Rule 902(1)(b)</b> .
<input checked="" type="checkbox"/>	14. Verification of receipt of application fee from Cashier's Office.
4/14/2024	15. Date Advisory Analysis requested.

Description of Item	Location of Documents
<b>B. An environmental assessment must contain the following information. Rule 902(1)(c)</b>	
1. Documentation of consistency with the county solid waste management plan through either of the methods allowed. <b>Rule 902(2)</b> and <b>Rule 903(1)(a)</b>	
a. Letter, resolution, or other document from designated planning agency that the proposed disposal area is consistent.	Warren City Council and Macomb County Board of Commissioners Approval discussed in Section 4.2 and attached as Appendices 3 and 4, respectively.
b. Statement from applicant saying why they believe the proposed disposal area is consistent based on the requirements of the plan, if the designating planning agency refuses to provide the original documentation.	NA
2. A list of required governmental permits/licenses required for the disposal area. <b>Rule 903(1)(b)</b> and <b>903(2)(c)</b>	Section 6.0
3. Documentation of compliance with location standards specified in Rules 411-419 (for Type II) or Rules 305 and 310 (for Type III). <b>Rule 903(1)(c)</b>	NA (not landfill)
a. Rule 411 Groundwater Isolation.	NA
b. Rule 412 Horizontal isolation.	NA
c. Rule 413 Sensitive areas.	NA
d. Rule 414 Airport safety.	NA
e. Rule 415 Floodplains.	NA
f. Rule 41 Wetlands.	NA

g. Rule 417 Fault areas and impact zones.	NA
h. Rule 418 Unstable areas	NA
i. Rule 419 Vertical expansions	NA
4. Demonstration of compliance with performance standards for surface water, groundwater, and air; specified in Rule 306 (for Type III) and Rule 436 (for Type II). <b>Rule 903(1)(d)</b>	NA (not landfill)
(a) surface water,	NA
(b) groundwater, and	NA
(c) air	NA
5. A description of the proposed facility which includes “a. - e.” as follows: <b>Rule 903(2)(a)</b>	Sections 4 and 5
a. Type and size of the disposal area.	Section 5.1
b. Public roads to be used to access the facility.	Sections 4.2.1 and 4.3.1
c. Anticipated volume waste to be received per day.	Section 5.1
d. Anticipated counties to be served.	Section 5.1
e. Anticipated useful life of the facility.	Section 5.1
6. A description of the existing environment including: <b>Rule 903(2)(b)</b>	
a. Maps showing the existing topography, land use, and residences surrounding the facility.	Figures 1, 2, 3, 4, and 5
b. Existing air quality including a wind rose from the closest available station.	Section 5.2.3
c. Hydrology including the following from the nearest available station:	Section 5.2.1
(1) Magnitude of the 24-hour, 25-year	Section 5.2.1
(2) Average annual rainfall.	Section 5.2.1
d. Maximum floodplain elevation of surface waters proximate to the facility.	Section 5.2.1
e. List of all endangered or threatened species whose range falls within the property boundaries of the facility.	Section 5.3

f. List of historic or archaeological sites proximate to the property boundary.	Section 5.4
g. List of any known sites of environmental contamination.	Section 5.5
h. Identification of any significant public resources within or adjacent to the proposed facility.	Section 2.2, Figure 5 and Table 1
i. Identification of any airport within 10,000 feet of the facility.	Section 2.2
7. Statement of the anticipated environmental impacts in relation to each component of the existing environment (as described in B.6). <b>Rule 903(2)(d)</b>	Section 5.6
8. A listing of alternative actions for waste disposal in the country or region, including alternatives considered positive and negative, economic, and environmental impacts of the alternatives, and the alternative of no action. <b>Rule 903(2)(e)</b>	NA (not landfill)
9. A summary statement of the unavoidable adverse impacts. <b>Rule 903(2)(f)</b>	NA (not landfill)
10. A statement of the protective and corrective measures that will be taken to reduce and mitigate adverse impacts to acceptable levels. <b>Rule 903(2)(g)</b>	NA (not landfill)
11. Graphic displays and references as follows: <b>Rule 903(3)</b>	
a. Maps that show the location of the proposed action, if applicable, with respect to communities or features that readily identifiable as locations in the state.	NA (not landfill)
b. Maps, diagrams, or photographs that illustrate the relationships of the disposal area to the environmental element being impacted.	NA (not landfill)
c. References to the literature or other sources of information from which data in the environmental impact statement is taken and upon which conclusions are based.	NA (not landfill)

<b>C. A hydrogeological report that includes the following: Rule 902(1)(d)</b>	Sections 2.3 and 5.2.2 and Appendix 2
1. A determination of existing groundwater quality, including the area and vertical extent of any groundwater contamination. <b>Rule 904(1)(a)</b>	Sections 2.3 and 5.2.2 and Appendix 2
2. Definition of the following aquifer: <b>Rule 904(1)(e)(i)-(iii)</b>	
a. The uppermost aquifer and aquifers that are hydraulically inter-connected to the uppermost aquifer beneath the facility property.	Sections 2.3 and 5.2.2 and Appendix 2
b. Any aquifer that is utilized by Type I and Type II and public water supplies, as defined in R 325.10502, within 1,000 feet of the proposed active work area.	Sections 2.3 and 5.2.2 and Appendix 2
c. Any aquifer that is utilized by Type IIb and Type III public water supplies, as define in R 325.10502, within 1,000 feet of the proposed active work area.	Sections 2.3 and 5.2.2 and Appendix 2
3. A determination of the background groundwater quality. <b>Rule 904(1)(b)</b> and <b>Rule 904(4)(a)</b>	Sections 2.3 and 5.2.2 and Appendix 2
4. A map of the site and surrounding area, drawn to scale and showing "a. - g.": <b>Rule 904(4)(b)</b>	
a. Distance to existing wells and properties with the potential for groundwater supplies showing all soil borings within one-half mile, including all domestic municipal, industrial, oil, and gas wells for which copies of logs area available.	Sections 2.3 and 5.2.2 and Appendix 2
b. Existing lakes or ponds.	Section 5.2.1, Figure 7
c. Streams, springs, or wetlands.	Section 5.2.1, Figure 7
d. Direction of surface drainage and groundwater movement in the area.	Sections 2.3 and 5.2.2 and Appendix 2
e. Locations of borings, observation wells, and other well data used in the report.	Sections 2.3 and 5.2.2 and Appendix 2
f. Topography, including predominant topographic features.	Section 5.2 and Figure 2

g. Location of any known or potential sources of groundwater contaminants.	Section 5.5 and Appendix 9
5. Observation well records or soil borings to locate and identify aquifers beneath the property identifying: <b>Rule 904(4)(c)</b>	Sections 2.3 and 5.2.2 and Appendix 2
a. Depth to groundwater.	Sections 2.3 and 5.2.2 and Appendix 2
b. Aquifer thickness.	Sections 2.3 and 5.2.2 and Appendix 2
c. Vertical and horizontal groundwater flow directions.	Sections 2.3 and 5.2.2 and Appendix 2
d. Vertical and horizontal flow rates.	Sections 2.3 and 5.2.2 and Appendix 2
6. A groundwater elevation map, based on stabilized water level readings, contoured at not more than one foot, referenced to U.S. Geological Survey datum and including: <b>Rule 904(4)(d)</b>	Sections 2.3 and 5.2.2 and Appendix 2
a. Groundwater flow directions and possible variations in groundwater flow directions.	Sections 2.3 and 5.2.2 and Appendix 2
b. Depth of groundwater.	Sections 2.3 and 5.2.2 and Appendix 2
7. An evaluation of site earth materials, including bedrock characteristics, if bedrock exists within 50 feet of the proposed base of fill, based on boring logs including: <b>Rule 904(4)(e)</b>	Sections 2.3 and 5.2.2 and Appendix 2
a. Soil and rock descriptions.	Sections 2.3 and 5.2.2 and Appendix 2
b. Methods of sampling.	Sections 2.3 and 5.2.2 and Appendix 2
c. Sample depths.	Sections 2.3 and 5.2.2 and Appendix 2
d. Data of boring.	Sections 2.3 and 5.2.2 and Appendix 2
e. Water level measurements at the time of the boring.	Sections 2.3 and 5.2.2 and Appendix 2
f. Soil tests data.	Sections 2.3 and 5.2.2 and Appendix 2
g. Boring locations.	Sections 2.3 and 5.2.2 and Appendix 2
8. A series of geologic cross sections or fence diagrams that pass through representative borings, referenced to a site map that shows all wells and borings, and illustrating the following: <b>Rule 904(4)(f)</b> .	

a. Existing topography.	Sections 2.3 and 5.2.2 and Appendix 2
b. Soil borings.	Sections 2.3 and 5.2.2 and Appendix 2
c. Soil classification.	Sections 2.3 and 5.2.2 and Appendix 2
d. Stratigraphy.	Sections 2.3 and 5.2.2 and Appendix 2
e. Bedrock.	Sections 2.3 and 5.2.2 and Appendix 2
f. Wells.	Sections 2.3 and 5.2.2 and Appendix 2
g. Stabilized water level readings.	Sections 2.3 and 5.2.2 and Appendix 2
h. Proposed site grades.	Sections 2.3 and 5.2.2 and Appendix 2
9. The nature, extent and consequence of any mounding that results from diversion of infiltration and surface runoff during operation and post-closure. <b>Rule 904(4)(g)</b>	NA
10. A description of any proposed engineering modifications intended to modify groundwater level. <b>Rule 904(4)(h)</b>	NA
11. A determination of the horizontal and vertical flow system, and diagrams that illustrate horizontal and vertical flow directions of groundwater. <b>Rule 904(4)(i)</b>	NA
12. A compilation and interpretation of data, maps, and charts based on site conditions to support the conclusions and recommendations of the hydrogeological report. <b>Rule 904(4)(k)</b>	Sections 2.3 and 5.2.2 and Appendix 2
<b>D. The hydrogeological plan as required by R 299.4905. Rule 902(1)(e)</b>	NA (not landfill)
1. A plan that includes monitoring of the following: <b>Rule 905(1)</b>	
a. The monitoring well system which is in compliance with R 299.4906.	NA (not landfill)
b. The leachate and secondary collection system of the landfill, as specified in R 299.4432.	NA (not landfill)
c. Any surface water that may receive runoff from the active work area.	NA (not landfill)
2. The following specific information: <b>Rule 905(2)</b>	

a. The location to be sampled.	NA (not landfill)
b. A list of constituents to be sampled and the frequency of sampling.	NA (not landfill)
c. Identification of the sampling and analysis procedures to be used for each constituent or parameter proposed including:	
(1) Sample collection.	NA (not landfill)
(2) Sample preservation and shipment.	NA (not landfill)
(3) Analytical procedures including the method detection limit for the procedure specified.	NA (not landfill)
(4) Chain of custody control.	NA (not landfill)
(5) Laboratory and field Quality Assurance/Quality Control.	NA (not landfill)
(6) Procedures for preventing cross-contamination during well installation, purging, and sampling.	NA (not landfill)
d. Statistical procedures for evaluating data in compliance with R299.4908.	NA (not landfill)
<b>E. Topographic maps that meet the following requirements: Rule 902(1)(f)</b>	
1. Maps referenced to U.S. Geological Survey datum at a scale of not more than 200 feet to the inch with contour intervals that clearly show the character of the land and land uses within 1,500 feet of the solid waste disposal unit(s). <b>Rule 909(1)</b>	Figure 2
2. The following specific information: <b>Rule 909(2)</b>	
a. A legal description of the property included in the application.	Section 2.1
b. Proposed solid waste disposal units.	Section 5.1
c. Structures on the site.	Section 2.3
d. Existing and proposed utilities.	Section 2.3, Figure 6
e. Borrow areas.	NA
f. Surface waters, wetland, or floodplains.	Section 5.2.1, Figure 7

g. Special drainage devices, if necessary.	NA
h. On-site roads.	NA
i. Public access roads.	Sections 4.2.1 and 4.3.1
j. Fencing and other means of controlling access.	Section 4.3.1
k. The location of all residences.	Section 2.2, Figure 5, and Table 1
<b>F. Engineering plans and engineering reports for a landfill that meet the following requirements: Rule 902(1)(g) and Rule 910</b>	NA (not landfill)
1. Details of the following: <b>Rule 910(1)(a)</b>	
a. Soils underlying each liner system including information on: <b>Rule 910(1)(a) and Rule 910(2)</b>	
(1) A settlement analysis estimating total and differential settlement including immediate settlement, primary consolidation, and secondary consolidation based on maximum loading. <b>Rule 910(2)(a)</b>	NA (not landfill)
(2) A slope stability study. <b>Rule 910(2)(b)</b>	NA (not landfill)
(3) A performance analysis under varying groundwater conditions. <b>Rule 910(2)(c)</b>	NA (not landfill)
(4) Calculations that show the potential for bottom heave or blowout. <b>Rule 910(2)(d)</b>	NA (not landfill)
b. Compacted soil liners or natural soil that is used in place of a compacted liner including information on: <b>Rule 910(1)(b) and Rule 910(3)</b>	NA (not landfill)
(1) The location and thickness of soils to be used for the compacted or natural soil liner.	NA (not landfill)
(2) Copies of well boring logs documenting soil deposits.	NA (not landfill)

(3) Data documenting soil source classification, and permeability's including the locations of the tests performed (horizontal and vertical).	NA (not landfill)
(4) For compacted liners, calculations which show the volume of the source.	NA (not landfill)
c. Bentonite geocomposites or flexible membrane liners that includes the following information: <b>Rule 910(1)(c)</b> and <b>Rule 910(4)</b>	NA (not landfill)
(1) The methods of storage, handling, and installation including any written instructions from the manufacturer, and quality control procedures.	NA (not landfill)
(2) The physical specifications of the liner material.	NA (not landfill)
(3) The ability of the liner material and scrim material, where application, to maintain physical properties under varying conditions of temperature, pH, ultraviolet radiation, biological attack, and prolong leachate throughout the operating and post-closure life of the landfill.	NA (not landfill)
d. Primary leachate collection and removal systems that includes the following information: <b>Rule 910(1)(d)</b> and <b>Rule 910(5)</b>	NA (not landfill)
(1) Specifications for the material to be used for the leachate collection system. <b>Rule 910(5)(a)</b>	NA (not landfill)
(2) The design of the collection pipe including the following: <b>Rule 910(5)(a)</b>	
(a) Diameter.	
(b) Perforations.	NA (not landfill)
(c) Slope.	NA (not landfill)
(d) Spacing.	NA (not landfill)
(e) Leachate compatibility.	NA (not landfill)

(f) Structural integrity under static and dynamic loading.	NA (not landfill)
(3) Design features that allow cleaning of drainage pipes. <b>Rule 910(5)(c)</b>	NA (not landfill)
(4) Procedures to prevent clogging during construction and operation. <b>Rule 910(5)(d)</b>	NA (not landfill)
(5) Calculations to show that the leachate head will be one foot or less above the liner at any point in the system except the sump. <b>Rule 910(5)(e)</b>	NA (not landfill)
(6) Provisions to remove obstructions from the system. <b>Rule 910(5)(f)</b>	NA (not landfill)
(7) Calculations to determine the anticipated volume of the leachate collected. <b>Rule 910(5)(g)</b>	NA (not landfill)
(8) Information on the proposed methods of disposal for the leachate collected. <b>Rule 910(5)(h)</b>	NA (not landfill)
e. Secondary leachate collection or leak detection systems that includes the following information: <b>Rule 910(1)(e)</b> and <b>Rule 910(6)</b>	NA (not landfill)
(1) The design of the secondary collection system shall include the information required under <b>Rule 910(5):</b>	
(a) Specifications for the material to be used for the leachate collection system. <b>Rule 910(6)(a)</b> and <b>Rule 910(5)(a)</b>	NA (not landfill)
(b) The design of the collection pipe including the following: <b>Rule 910(5)(a)</b>	
(i) Diameter.	NA (not landfill)
(ii) Perforations.	NA (not landfill)
(iii) Slope.	NA (not landfill)

(iv) Spacing.	NA (not landfill)
(v) Leachate compatibility.	NA (not landfill)
(vi) Structural integrity under static and dynamic loading.	NA (not landfill)
(c) Design features that allow cleaning of drainage pipes. <b>Rule 910(5)(c)</b>	NA (not landfill)
(d) Procedures to prevent clogging during construction and operation. <b>Rule 910(5)(d)</b>	NA (not landfill)
(e) Calculations to show that the leachate head will be one foot or less above the liner at any point in the system except the sump. <b>Rule 910(5)(e)</b>	NA (not landfill)
(f) Provisions to remove obstructions from the system. <b>Rule 910(5)(f)</b>	NA (not landfill)
(g) Calculations to determine the anticipated volume of the leachate collected. <b>Rule 910(5)(g)</b>	NA (not landfill)
(h) Information on the proposed methods of disposal for the leachate collected. <b>Rule 910(5)(h)</b>	NA (not landfill)
(2) The method of detecting, removing, and analyzing leaks that are detected in the system. <b>Rule 910(6)(a)</b>	NA (not landfill)
f. Dewatering systems that includes the following information: <b>Rule 910(1)(f)</b> and <b>Rule 910(7)</b>	NA (not landfill)
(1) Design calculations for the drainpipe diameter.	NA (not landfill)
(2) Design features that allow cleaning.	NA (not landfill)
(3) Procedures to prevent clogging during construction and operation.	NA (not landfill)

(4) An evaluation of the structural suitability of underdrain pipe under both static and dynamic loadings.	NA (not landfill)
g. Information on the control of the following: <b>Rule 910(1)(g)</b> and <b>Rule 910(8)</b>	NA (not landfill)
(1) Run-on.	NA (not landfill)
(2) Run-off.	NA (not landfill)
(3) Wind dispersal of particulate matter.	NA (not landfill)
(4) Gas that is generated within the landfill	NA (not landfill)
(i) A description of a landfill gas monitoring plan that complies with R 299.4433.	NA (not landfill)
h. The final cover as specified in a closure plan that is in compliance with the provisions of R 299.4446 and includes the following: <b>Rule 910(1)(h)</b>	NA (not landfill)
(1) An overall description of the methods, procedures, and processes that will be used to close each unit of the landfill in accordance with R 299.4446.	NA (not landfill)
(2) An estimate of the maximum extent of operation that will be open at any time during the active life of the landfill.	NA (not landfill)
(3) An estimate of the maximum inventory of waste ever on-site over the active life of the landfill.	NA (not landfill)
(4) A description of the final cover, including engineering plans and specifications.	NA (not landfill)
(5) A schedule for completing all activities that are necessary to satisfy the final cover requirements of these rules.	NA (not landfill)

i. Post-closure maintenance and monitoring, as specified in a plan that is in compliance with provisions of R 299.4447 and including the following: <b>Rule 910(1)(i)</b>	NA (not landfill)
(1) A description of the monitoring and maintenance activities that are required for each unit, and the frequency at which these activities will be performed.	NA (not landfill)
(2) Name, address, and telephone number of the person or office to contact about the facility during the post-closure period.	NA (not landfill)
(3) A description of the planned uses of the property during the post-closure period.	NA (not landfill)
2. Engineering plans prepared and sealed by a professional engineer. <b>Rule 910(9)</b>	Appendix 5
<b>G. Operation plans which meet the requirements of R 299.4911 by including the following: Rule 902(1)(h)</b>	NA (not landfill)
1. The following plans that describe how the facility will be operated: <b>Rule 911(1)</b>	
a. A fill progression plan over the active life of the landfill including final slopes and elevations and including the location and description of the permanent survey benchmark to be used for elevation control.	NA (not landfill)
b. A landscape plan that identifies and locates existing vegetation to be retained and proposed vegetation to be used for cover, screening, and other purposes.	NA (not landfill)
c. Engineering plans that detail leachate collection and removal facilities and, if applicable, that show any systems to be used for leachate recirculation.	NA (not landfill)

d. An engineering plan that shows gas management systems, if applicable. (If not applicable, indicate "NA").	NA (not landfill)
2. Engineering reports that describe: <b>Rule 911(2)</b>	
a. All equipment to be used at the landfill for construction and operation.	NA (not landfill)
b. The landfill's personnel requirements, including the duties, training, and authority of the responsible individual who is to direct landfill operations.	NA (not landfill)
c. Access controls to be used including:	
(1) Signs.	NA (not landfill)
(2) Hours of operation.	NA (not landfill)
(3) Usage rules.	NA (not landfill)
(4) Natural and artificial barriers.	NA (not landfill)
(5) Traffic control.	NA (not landfill)
d. The methods to be used to control dust and blowing papers from the active fill area.	NA (not landfill)
e. The methods for disposal of large or bulky items.	NA (not landfill)
f. The on-site road design and method of controlling fugitive dust.	NA (not landfill)
g. The methods to control salvaging, if allowed.	NA (not landfill)
h. The storage locations of, and the design for, white goods and other recyclable materials.	NA (not landfill)
i. The procedures for separating recyclable materials from general refuse, if applicable.	NA (not landfill)
j. The type of daily cover to be used and the source, quantity, and method of placement of the cover.	NA (not landfill)
k. The process for receiving and unloading solid waste including the procedures for inspecting loads for hazardous waste.	NA (not landfill)
(i) A description of a program for detecting and preventing the disposal of wastes that are prohibited by R 299.4430.	NA (not landfill)

(ii) The program meets all the requirements of R299.4430(3)	NA (not landfill)
I. The procedures for the receipt and disposal of asbestos waste.	NA (not landfill)
<b>H. Construction Quality Assurance Plans that meet the requirements of R 299.4916 by including the following: Rule 902(1)(i)</b>	NA (not landfill)
1. Method for addressing the following physical components where applicable: <b>Rule 916(2)</b>	
a. Foundations.	NA (not landfill)
b. Dikes.	NA (not landfill)
c. Low-permeability soil liners.	NA (not landfill)
d. Flexible membrane liners.	NA (not landfill)
e. Leachate collection and removal systems and secondary collection systems.	NA (not landfill)
f. Final cover systems.	NA (not landfill)
2. Observations, inspections, tests, and measurements that will be used to ensure: <b>Rule 916(4)</b>	
a. Structural stability and integrity of the features listed in "H.1.".	NA (not landfill)
b. Proper construction of all components of the liners, primary and secondary collection and removal system(s), and final cover system.	NA (not landfill)
c. Conformity of all materials used with design and other material specifications.	NA (not landfill)
<b>I. Include Remedial Action Plan in compliance with Part 201 and Part 115 Rules if landfill facility has been determined to be a source of probable source of groundwater contamination. Rule 902(3)</b>	NA (not landfill)
<b>J. Methane Migration Plan. (324.11512b)</b>	NA (not landfill)
<b>K. Surface Emissions Monitoring Plan. (324.11512h)</b>	NA (not landfill)
<b>L. Well Head Monitoring Plan. (342.11512d)</b>	NA (not landfill)
<b>M. Engineering Plan and Details for Gas Systems. (324.11512f)</b>	NA (not landfill)

<b>N. Engineering Calculations to Support the Engineering Plan. (324.11512f)</b>	NA (not landfill)
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## **Permit to Construct Application Solid Waste Disposal Area**

**Reworld Solutions, LLC  
21750 Hoover Road  
Warren, Macomb County, Michigan**

**Prepared For:  
Reworld Solutions, LLC  
Morristown, New Jersey**

**August 22, 2024  
Project No. 231717**

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**List of Abbreviations/Acronyms**

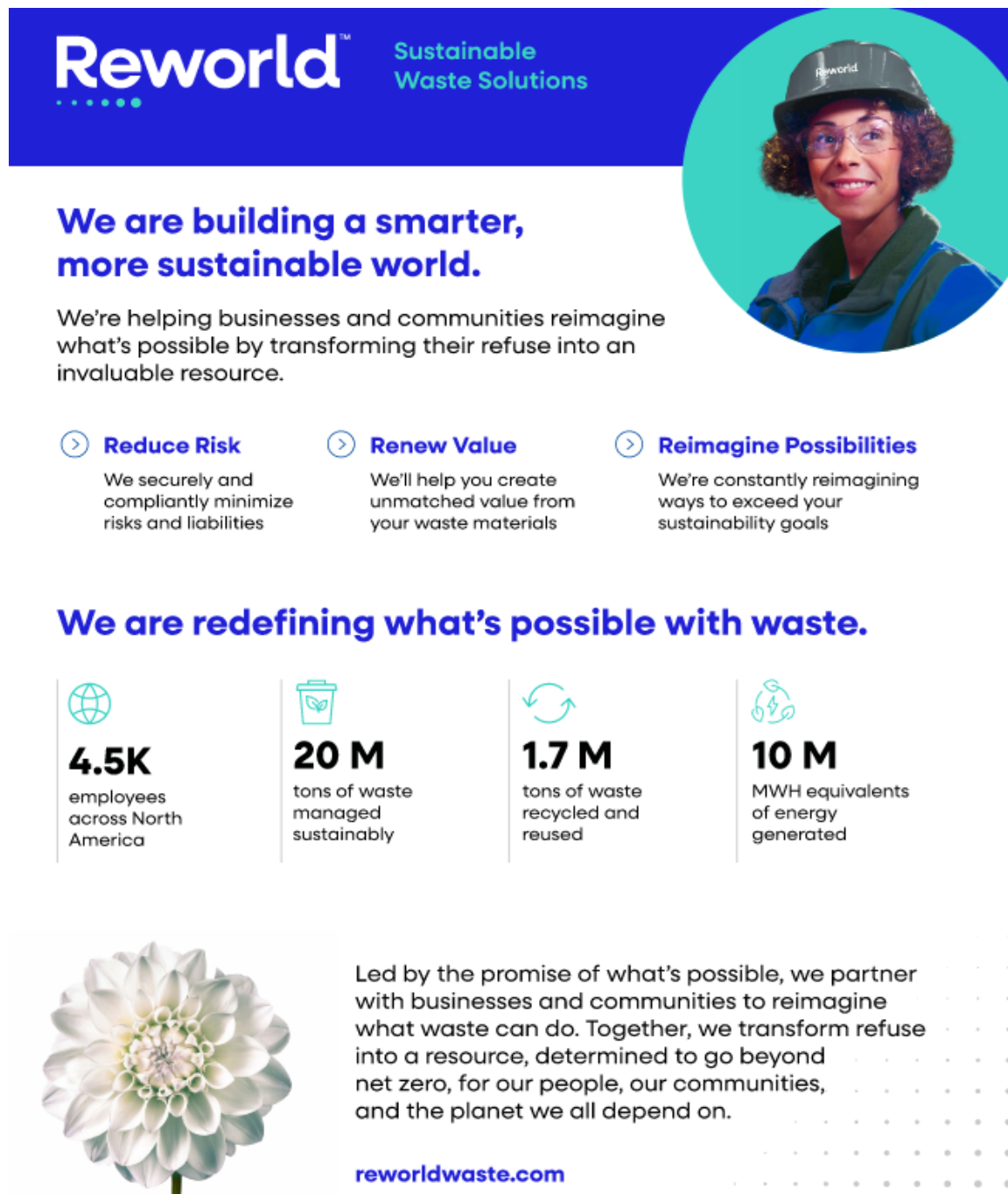
AEF	alternative engineered fuel
APE	area of potential effects
BEA	Baseline Environmental Assessment
bgs	below ground surface
CFR	Code of Federal Regulations
CWT	Centralized Waste Treatment
City	City of Warren
cy	cubic yard(s)
EGL E	Michigan Department of Environment, Great Lakes, and Energy
ESA	Environmental Site Assessment
FEMA	Federal Emergency Management Agency
HDPE	high-density polyethylene
LUST	leaking underground storage tank

MMD	EGL Materials Management Division
MPF	Materials Processing Facility
MRF	Materials Recovery Facility
MS4	Municipal Separate Storm Sewer Systems
NAAQS	National Ambient Air Quality Standards
NEC	No Exposure Certification
NPDES	National Pollutant Discharge Elimination System
PIPP	Pollution Incident Prevention Plan
PTF	Processing and Transfer Facility
PTI	Permit to Install
Reworld	Reworld Solutions, LLC
SPCC	Spill Prevention Control and Countermeasure
SWP	Solid Waste Processing
tpy	tons per year
USDOT	U.S. Department of Transportation
USEPA	U.S. Environmental Protection Agency
USFWS	U.S. Fish and Wildlife Service
USGS	U.S. Geological Survey

## Executive Summary

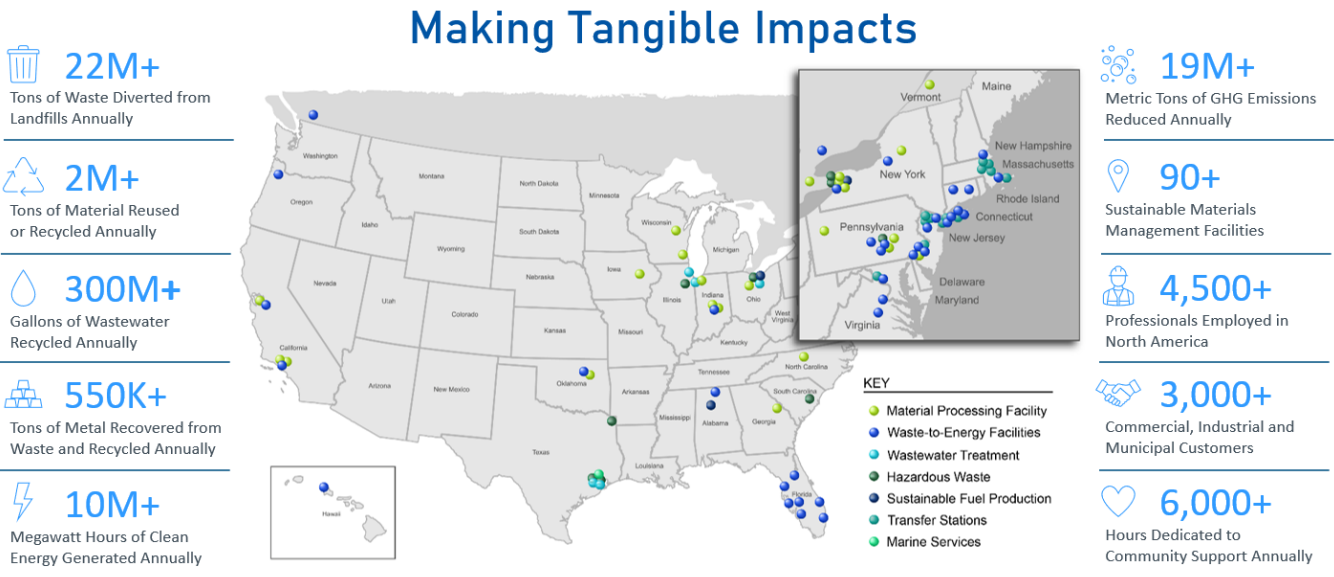
Reworld Solutions, LLC (Reworld) is a sustainability-minded company that aims to help a wide range of federal, municipal, and commercial clients recover, recycle, and reimagine the byproducts of our daily lives through innovative waste and energy solutions. Reworld is committed to a carbon-negative future and employs a variety of methods to mitigate the amount of waste around us and reimagine what we can do with waste. Graphic 1 is a Reworld infographic used to give people an overview of the company's goal.

Graphic 1 – Reworld at a Glance



Reworld is developing a state-of-the-art multifaceted material processing facility (MPF) in Warren, Macomb County, Michigan. This facility will perform material processing, wastewater treatment, and recycling operations for the creation of alternative engineered fuel. Reworld operates numerous similar facilities across the country and has become a leading name in the industry (see Graphic 2). The new/proposed facility will be located at 21750 Hoover Road, Warren, Michigan. This application will focus on the solid waste processing and transfer facility portion of the overall facility.

Graphic 2 – Reworld Nationwide Footprint



Because the proposed facility will be considered a solid waste processing and transfer facility, a Michigan Part 115 Permit to Construct is necessary. This application is intended to provide all the information required for a Part 115 construction permit. This includes complete site, facility, and process descriptions as well as an environmental assessment.

## 1.0 Introduction

Reworld evaluated their own footprint along with industrial areas that currently produce high volumes of waste and identified Michigan for the location of this new facility. Utilizing their expertise in wastewater treatment, thermal mechanical treatment, and material processing, Reworld's proposed Warren facility will reroute and reimagine the waste produced in the southeast Michigan region. This will help Reworld reach their carbon-negative goal and divert waste from landfills all while allowing clients to meet their sustainability goals as well.

Reworld is planning for the immediate execution of three processes which will all take place in the same facility building. These processes include wastewater treatment, a materials recovery facility (MRF) for the creation of alternative engineered fuel (AEF) known as ReKiln Fuel and material processing as a solid waste processing and transfer facility (PTF).

Fishbeck has been retained by Reworld to prepare this application for their proposed solid waste PTF. When the programs are completely implemented, the Reworld PTF will be capable of handling up to 219,000 tons of non-hazardous solid waste each year.

The required application information follows:

### **Facility Name and Physical Location**

Reworld Solutions, LLC  
21750 Hoover Road  
Warren, MI 48089

### **Property Owners and Mineral Rights Owners of the Site**

Reworld Solutions, LLC  
445 South Street  
Morristown, New Jersey 07960

### **Consulting Engineers and Geologists**

Fishbeck  
2001 Commonwealth Boulevard, Suite 200  
Ann Arbor, Michigan 48105  
Liz Marsh, PE, CHMM 248.862.7677

### **Designated Contact Person for the Facility Developer**

Reworld Solutions, LLC  
445 South Street  
Morristown, New Jersey 07960  
Domenico Venezia 862.485.7673

### **Application Type**

New disposal area

### **Type of Disposal Area**

Solid Waste PTF  
Facility Area – 3.85 Acres

### **Advisory Analysis**

On April 18, 2024, Reworld requested an advisory analysis from the Michigan Department of Environment, Great Lakes, and Energy (EGLE); a site walkthrough was conducted on May 7, 2024. EGLE provided Reworld with an

advisory analysis letter on June 4, 2024 (though dated June 3, 2024); a copy of the letter is provided as Appendix 1.

## 2.0 Site Information

The following sections provide the required information regarding the site location and orientation.

### 2.1 Facility Location

The Reworld facility will be located at 21750 Hoover Road, Warren, Michigan 48089, which is defined as Tax Parcel No. 12-13-35-151-007 (3.85 acres). Graphic 3 provides the full legal description.

#### Graphic 3 – Reworld Site Legal Description

(SOUTH PARCEL – HOOVER)

PARCELS 1 AND 2:

Commencing at the West 1/4 corner of Section 35, Town 1 North, Range 12 East, City of Warren, Macomb County, Michigan; thence North 00 degrees 47 minutes 52 seconds East 74.00 feet along the West line of said Section 35 for a place of beginning; thence continuing North 00 degrees 47 minutes 52 seconds East 29.12 feet along said section line; thence North 89 degrees 59 minutes 40 seconds East 657.15 feet; thence North 00 degrees 48 minutes 06 seconds East 198.06 feet; thence South 89 degrees 16 minutes 24 seconds East 24.30 feet; thence South 09 degrees 59 minutes 13 seconds East 43.98 feet; thence South 38 degrees 31 minutes 55 seconds East 195.77 feet; thence North 76 degrees 48 minutes 44 seconds East 26.99 feet; thence North 54 degrees 57 minutes 08 seconds East 351.22 feet; thence South 30 degrees 53 minutes 48 seconds West 319.02 feet; thence North 89 degrees 44 minutes 11 seconds West 307.54 feet; thence North 00 degrees 48 minutes 06 seconds East 31.00 feet; thence North 89 degrees 44 minutes 11 seconds West 657.11 feet to the place of beginning, being part of the Northwest 1/4 of Section 35, Town 1 North, Range 12 East, City of Warren, Macomb County, Michigan. EXCEPT the West 60.00 feet thereof taken for Hoover Road. ALSO EXCEPT that portion thereof conveyed to the City of Warren by Deed recorded in Liber 9570, Page 140, to wit: That part of the Northwest 1/4 of Section 35, Township 1 North, Range 12 East, City of Warren, Macomb County, Michigan being described as: Commencing at the West 1/4 corner of Section 35, Town 1 North, Range 12 East, North 00 degrees 47 minutes 52 seconds East 74.00 feet along the West line of Section 35; thence South 89 degrees 44 minutes 11 seconds East 657.11 feet; thence South 00 degrees 48 minutes 06 seconds West 31.00 feet; thence South 89 degrees 44 minutes 11 seconds East 202.52 feet to the point of beginning of the following described parcel; thence North 01 degree 49 minutes 25 seconds East 86.67 feet; thence North 54 degrees 57 minutes 08 seconds East 75.00 feet; thence South 01 degree 49 minutes 25 seconds West 130.04 feet; thence North 89 degrees 44 minutes 11 seconds West 60.02 feet to the point of beginning.

PARCEL 4:

The Southerly 198 feet of the Northerly 2541 feet of the Westerly 658.8 feet of the West 1/4 of the Northwest 1/4 of Section 35, Town 1 North, Range 12 East, City of Warren, Macomb County, Michigan, being parcels 36, 37 and 38 of Walternsperger Farm, unrecorded, except that part thereof conveyed for widening of Hoover Road on the Westerly side thereof.

### 2.2 Neighboring Residents and Facilities

Figure 1 is a location map of the Reworld facility, depicting all roadways and principal land features. Figure 2 is a United States Geological Survey (USGS) topographic map of the area. Figure 3 is a site map which presents an aerial photo view of the site and its surroundings. Figure 4 is a zoning map which illustrates the zoning of the site and surrounding areas. Siting criteria include a requirement that this facility must be located on property zoned as *agricultural, industrial, commercial, or other designation appropriate for solid waste disposal facilities* and **not** for residential use. Figure 4 demonstrates that this property is not designated for residential use.

Figure 5 depicts residences and businesses located within 1,200 feet (one quarter mile) of the Reworld facility. All residential, commercial, and industrial property owners are summarized in Table 1.

There are no airports located within 10,000 feet of the facility. The nearest airport to the facility is the Coleman A. Young International Airport which is approximately 2.7 miles (14,000 feet) away.

## 2.3 Current Site Conditions

This property was acquired by Reworld on October 19, 2023, with the intent to utilize and operate the building on site as MPF. This application focuses on the solid waste PTF portion of the facility operations. The site consists of one legal parcel occupying approximately 3.85 acres. The property is currently zoned as *medium heavy industrial* and is developed with an approximately 66,000-square-foot building occupying the western and central portions of the site. The eastern portion of the site consists of asphalt/concrete cover with additional concrete cover along the western property boundary.

Figure 6 provides a map of the existing utilities on the property; the sanitary sewer line, storm sewer line, and water line (including underground fire suppression line) are depicted.

Entrance to the office portion of the Reworld Warren facility is provided from the west via Hoover Road. Transporters bringing waste to be treated at the facility can access the property from its southeastern corner via Toepfer Road.

Figure 7 provides an evaluation of the facility's surrounding area with regard to wetlands.<sup>1</sup> As indicated on the figure, there are no wetlands within 1,200 feet of the facility. Two freshwater ponds were observed approximately 1,000 feet east of the facility; these pose no environmental concern to Reworld. Figure 8 presents a map of the soil types and general geological characteristics of the site. The site soils are predominantly Urban Land-Riverfront complex with 0-4 percent slopes. This is because the site is located in a historically developed area which has been regraded over time. A *Limited Hydrogeologic Evaluation Report* (Fishbeck, June 24, 2024) was prepared for the site which indicates that the site is Surficial Moraine Deposits, Moraine Aquitard, Confined Regional Aquifer, and Basal Glacial Till. For more detail refer to Section 5.2.1; the full report is provided as Appendix 2. The project area is currently zoned *Medium Heavy Industrial* and is currently used for industrial purposes. The site is not located in a Federal Emergency Management Agency (FEMA) identified 100-year floodplain.

## 3.0 Facility Design and Description

Figure 9 presents a facility layout. This figure focuses on the entirety of the facility building and demonstrates that all the equipment will be located indoors.

### 3.1 Proposed Site Description

The Warren Reworld Facility will be located along Hoover Road and will drain to the City of Warren (City) Municipal Separate Storm Sewer System (MS4). No access drives will be permitted from Nagel Street. Access to the site will be limited to Hoover Road and Toepfer Road. The facility building is located in the western and middle portions of the site; the remainder of the site is made up of impervious surfaces. The following sections discuss the utility information, which is presented on Figure 6.

### 3.2 Water Supply

The facility is serviced by the City's public water main. The facility's water hookup is connected to the 12-inch main line at the southeastern corner of the property. The system has the capacity to meet the calculated demands of the project.

---

<sup>1</sup> *wetlands* as defined by Part 313, Wetlands Protection, of At 451

### 3.3 Sewer Line

The facility is serviced by the City's sanitary sewer line. The facility's sewer system is connected to the 12-inch main line at the northwestern corner of the property. The system has the capacity to meet the calculated demands of the project.

### 3.4 Storm Water Management

There will be no changes to the exterior portions of the site; therefore, there will be no changes to the existing storm water infrastructure (i.e., the storm water management system designed to collect, convey, treat, detain, and release storm water with minimal downstream effects). Storm water shall meet or exceed all water quality standards per the MS4 permit requirements set forth by EGLE.

As presented on Figure 6, the storm water management system at the site utilizes 10 catch basins to capture all storm water near the onsite building. Additionally, there is one catch basin in the southeastern portion of the site which collects storm water releases from the paved surfaces. Storm water is then routed to the 78-inch storm water main along Hoover Road.

### 3.5 Site Layout

The facility building is in the western and middle portions of the site; there is a parking lot in the westernmost portion of the site. The existing parking lot conforms to the requirements of the local zoning ordinance. The area east of the facility building is the truck entrance/loading area. The facility building is made up of offices in the westernmost portion of the building with the rest of the of the building utilized for processing. Excluding the office space, the southern portion of the building will be utilized for wastewater treatment, the middle portion of the building will be utilized for the MRF operations, and the northern portion of the building will be utilized for the solid waste PTF.

Mechanical and electrical equipment, whether inside, on the roof, or next to the building, are screened from public view. This is inclusive of process and generation equipment. Exhaust outlets that have the possibility of emitting noise, odors, liquids, or vapor are in unobtrusive areas and away from public entries.

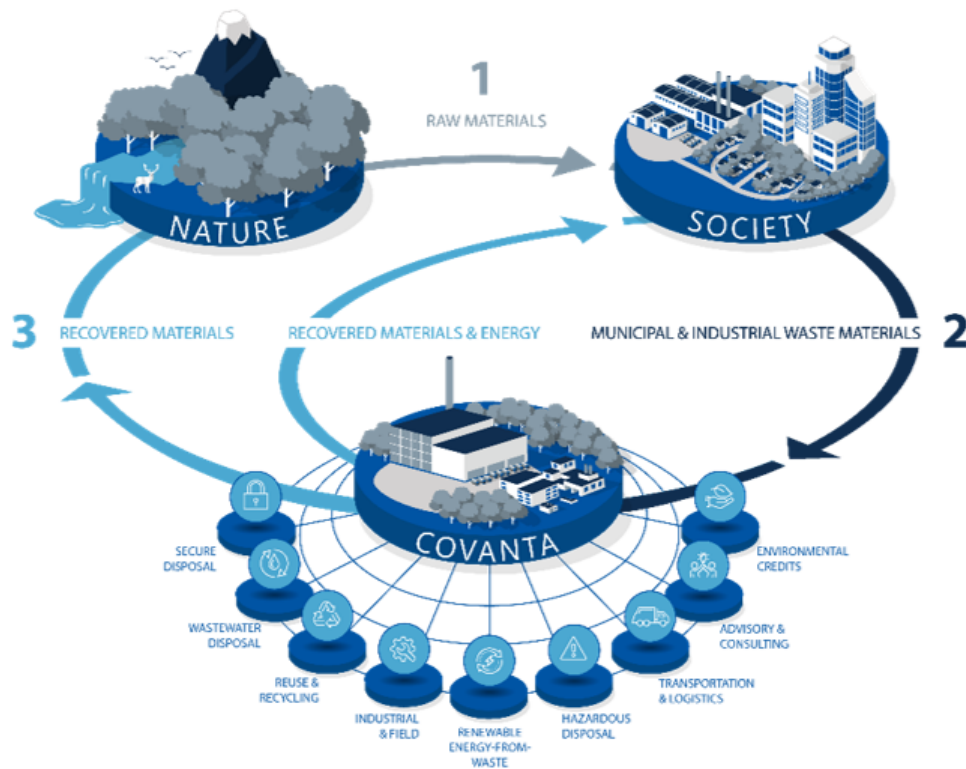
## 4.0 Description of Reworld Operations

Figure 9 presents the facility layout with proposed equipment. Additional details of the operations are described in the following sections.

### 4.1 Description of Reworld Waste Management Facilities

Reworld has positioned itself as a nationwide leader in sustainable materials management. Reworld takes pride in their Zero Waste-to-Landfill solutions. This model focuses on utilizing each element of waste and ensuring that materials are diverted from landfill disposal. Through this model, Reworld can help their customers to embed themselves within the circular economy, enabling them to optimize their resource use, reduce their carbon footprints, and generate environmental credits. Graphic 4 presents an overview of this process.

Graphic 4 – Reworld’s Fit in Our World



NOTE: Reworld was formerly Covanta. This graphic was created prior to the company's rebranding in the spring of 2024.

## 4.2 Local Approval and Description of Reworld Warren Facility

At their February 27, 2024, meeting, the Warren City Council approved the proposed Reworld Warren facility. As required by Act 451, Part 115, this resolution authorized the issuance of a Construction Permit for a Solid Waste PTF and a General Permit for a Materials Utilization Facility to be located at 21750 Hoover Road, Warren, Michigan. This resolution is provided as Appendix 3.

At their August 15, 2024, meeting, the Macomb County Board of Commissioners approved the proposed Reworld Warren facility. As required by Act 451, Part 115, this resolution authorized the issuance of a Construction Permit for a Solid Waste PTF and a General Permit for a Materials Utilization Facility to be located at 21750 Hoover Road, Warren, Michigan. This resolution is provided as Appendix 4.

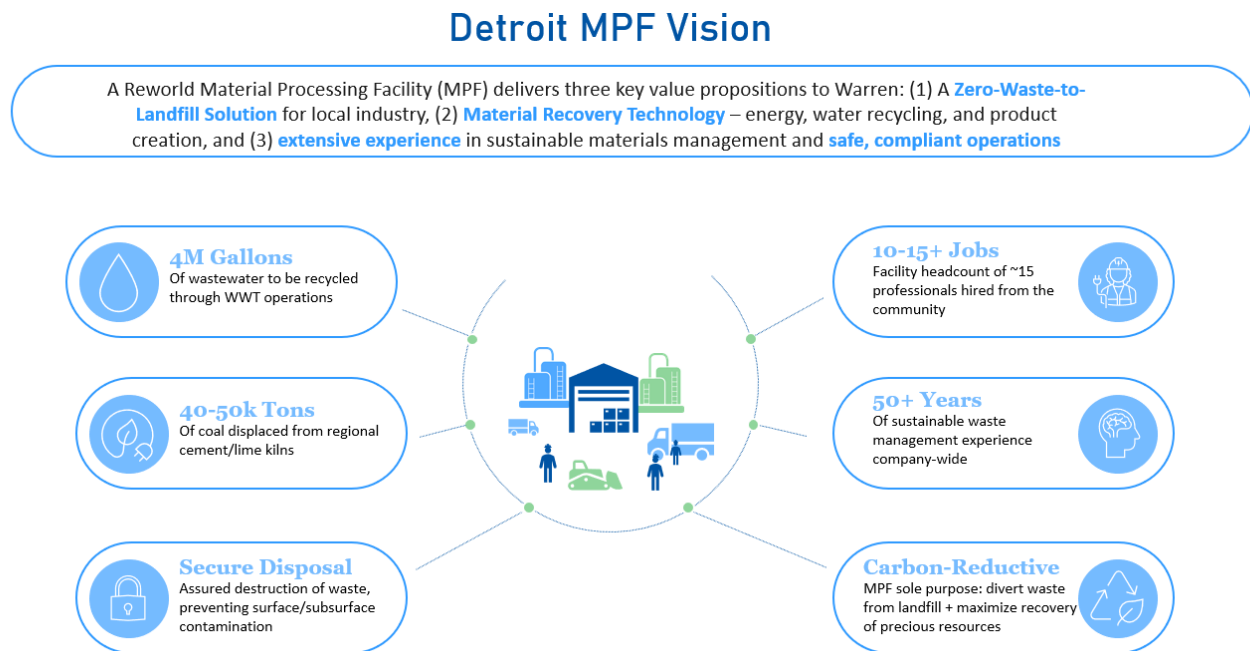
The project envisions receiving the following types of materials onsite:

- Non-hazardous solid waste (up to 219,000 tons per year [tpy]).

Portions of the proposed facility may initially operate at a lower capacity, as the employees and operations will have to scale up and become more efficient over time. This facility does not have an anticipated life expectancy as, unlike a landfill, the area is not being filled with waste. The Reworld Warren facility is expected to route useful materials offsite rather than stockpiling them onsite.

Graphic 5 provides an overview of the Reworld Warren facility.

Graphic 5 – Overview of the Reworld Warren Facility



#### 4.2.1 Non-Hazardous Solid Waste

All the waste received by the solid waste PTF will be non-hazardous solid waste. Reworld will solidify these wastes in one of three waste solidification vaults. Each waste solidification vault is 18-foot-wide x 20-foot-long x 10-foot-deep; each vault will have a volume of 133.33 cubic yards (cy). Sludge from the centralized waste treatment (CWT), also located at the Reworld Warren facility, may also be treated in the waste solidification vaults.

Only one road, Toepfer Road, will provide access to the Reworld solid waste PTF. The facility itself will be fenced. The facility will accept waste from 6 AM to 10 PM Monday through Saturday and will process waste up to 24 hours per day seven days a week.

The facility includes a large processing building and administrative offices. The processing area is presented on Figure 9 and includes the waste receiving area as well the as storage and handling areas. A scale is currently being installed near the entrance area and will be visible as trucks enter the facility. The site will include adequate drives and parking to accommodate anticipated traffic levels, as well as sufficient area to allow trucks to maneuver during operating hours. Parking will be provided in accordance with local government ordinances.

As trucks enter the property, they will enter the scale and be weighed. From there they will be routed to the solid waste receiving area in the processing building. Waste can be transported either in bulk (tanker truck or vac boxes) or containerized in totes or drums. If brought in bulk, the non-hazardous solid waste can be pumped or dumped directly into the waste solidification vaults.

The containerized non-hazardous solid waste will be removed from the truck and put in a queue where it will be routed to Reworld's non-hazardous solid waste shredder. Graphic 6 presents the features and benefits of the SSI Shredding Systems Dual-Shear M120 shredder, which will be utilized for this process or a similar shredder will be used. The entire drum/tote will be fed through the shredder. The resulting shredded tote/drum and sludge like waste mixture will be added to the waste solidification vaults.

Graphic 6 – Dual-Shear M120 Shredder Features and Benefits

### M120 DUAL-SHEAR® SHREDDERS PROCESS MATERIALS INCLUDING:

- Mixed Waste
- Passenger & Truck Tires
- Steel Drums
- Plastics (Purgings & Film)
- Wood / Pallets
- Fibers / Textiles / Foam
- Demolition Waste
- Baled & Bulky Materials
- Paper / Cardboard
- Organic Waste
- Metals / Appliances
- and more...

### ELECTRIC OR HYDRAULIC DRIVE

#### Hydraulic Drive When Processing:

- Mixed, unsorted materials
- Batch fed materials
- Materials requiring enhanced particle size or throughput control
- Installations requiring optional reduced voltage starting
- Materials containing non-shreddables

#### Electric Drive When Processing:

- Sorted, uniform materials
- Conveyor fed or metered materials
- Materials containing limited non-shreddables



### SSI ADVANTAGES

#### HIGH-TORQUE, LOW-SPEED DESIGN

Delivers multipurpose shredding with greater on-line reliability and lower maintenance requirements than other technologies.

#### PATENTED ACLS - ADVANCED CUTTER LOCKING SYSTEM™

Eliminates daily requirement to tighten cutter stack while improving shredder performance and cutter life.

#### SHOCK LOAD PROTECTION FEATURE

Protects shredder and drive components. Electric version offers patented SSP - Severe Shock Protection™ controlled torque coupling. Hydraulic version utilizes multiple relief valves.

#### AUTO REVERSAL FEATURE

Protects against overfeeding and damage by non-shreddables.

#### CONVERTIBLE DRIVE

Versatile design accommodates electric or hydraulic drive. Optional conversion package available.

#### PROPRIETARY BEARING PROTECTION

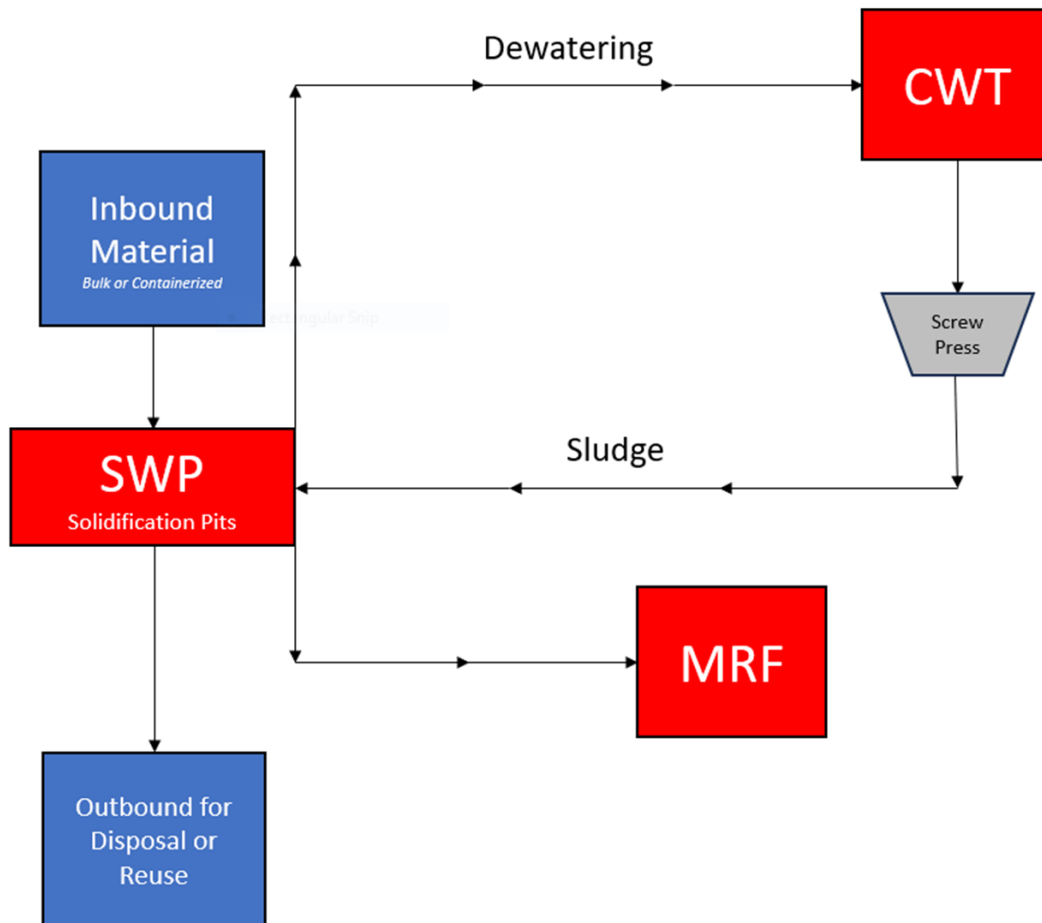
Isolates bearings from cutting chamber contamination and protects against bearing failure.

#### DIRECT DRIVE MOTOR

Provides improved efficiency and reliability. Alternate speed and torque combinations available.

Once a vault has been mostly filled (approximately 90%) with non-hazardous solid waste, a solidification media is added. This material acts as a binding agent in the process of solidification. Clean, off spec shredded diapers obtained from manufacturers will be used as the primary solidification material. Once the non-hazardous solid waste in the vault has been solidified and passed a paint filter test, it can be removed from the vaults, and shipped out for ultimate disposal. This entire process is shown in below as Graphic 7.

Graphic 7 – Simple Block Flow Diagram



#### 4.2.2 Vault Design Details

The waste solidification vaults within the solid waste PTF will be entirely lined with a 40mm high-density polyethylene (HDPE) liner. The liner will be followed by concrete and then ½ inch thick steel plating on three of the four sidewalls, ¾ inch thick on the sidewall opposite the excavator, and 1 inch thick on the bottom. The vaults will be leak-proof, which removes the risk of any kind of migration of potential contamination. Each vault will have an easily accessible monitoring point (found between the steel and concrete) to identify any potential leaks. In addition, as discussed with EGLE, the HDPE liner provides a barrier between any potential perched water and the vaults. A monitoring point will also be installed, specifically between the concrete zone and liner zone. A piezometer will also be installed northwest of the vaults to monitor any perched water. Engineer drawings of the Reworld solid waste vaults are provided as Appendix 5. Construction of the vaults will be completed following all applicable industry and engineering standards. Appendix 6 includes an Operations Plan with a weekly checklist to be used for the vault monitoring points and piezometer.

### **4.2.3 Odor Control System**

Reworld uses processes and technology which result in far less odor than other widely accepted processes for this type of operation (i.e., lime kiln dust mixing). The facility will utilize absorbent material (clean diaper tailings, sawdust, etc.) for the solidification process. Utilizing these material types creates a far better fuel stock in line with Reworld's main service offering of landfill avoidance, but also generates minimal odors as there is no exothermic/off-gassing reactions taking place during the mixing process. Reworld's waste characterization process will also aid in ensuring waste streams entering the facility will not cause any odor issues when processed. Process equipment being located indoors will also aid at minimizing odors from emanating out of the facility as well.

### **4.2.4 Dust Control System**

Facility processes will not generate significant amounts of fugitive dust due to the solidification material types (clean diaper tailings, saw dust, etc.) and processes implemented at the facility. All the process equipment will be located indoors, which will help reduce dust released from the facility. Liquids are introduced into the process at various stages to minimize dust during processing and for mixing efficiency. Based on Reworld's experience at similar facilities we operate, and extensive calculations ran against the process for fugitive emissions, dust will not be a concern. No additional dust control will be necessary for any processing being conducted at the facility.

### **4.2.5 Additional Operation Plan Requirements**

Appendix 6 provides an Operations Plan. Section 4.2 provides a process description and outlines receiving of non-hazardous solid waste at the facility. It should be noted that waste is received at the northeastern corner of the solid waste processing area; that area is enclosed as indicated on Figure 9. Trucks will pull into the facility building before any loading/unloading occurs.

### **4.2.6 Access**

Site access is controlled by perimeter fencing; the site is only accessible from Hoover and Toepfer Roads (office traffic and truck traffic, respectively). Trucks are expected to enter and leave the site as indicated on signs. Routine inspections of the perimeter fencing are performed by Reworld employees. Both entrance/exit locations are equipped with locking gates. Waste is delivered to the site only through the southeast entrance on Toepfer Road. A responsible individual will be onsite whenever waste is delivered to the site.

Reworld is currently installing a scale near the entrance to the facility. Scale personnel will monitor incoming traffic during business hours. Surveillance cameras equipped with a video recorder will monitor the entrance when the facility is closed. Gates are closed and locked during non-operational hours. Scale personnel will perform a visual inspection of the trucks and record the weight of trucks entering and exiting the facility. The scale is currently being installed.

### **4.2.7 Fire Prevention**

Burning of waste is strictly prohibited at the facility. To promptly extinguish any accidental fires, fire extinguishers are located near any heavy machinery. Employees receive annual training on how to use a fire extinguisher for incipient stage fires only. All truck loading/unloading areas are indoors. The entire building has a sprinkler system. Additionally, the facility is equipped with a Fire Rover System, which is a 24/7-monitored fire suppression system, which uses three thermal imaging cameras to detect heat. If the cameras detect a temperature of over 300 degrees Fahrenheit, the system sends an alert to a control center where an individual can remotely activate the suppression system. The Fire Rover has a 1000-gallon water tank, a 100-gallon multi-purpose encapsulator agent tank that mixes using nitrogen gas. The operator can spray the suppression agent without any assistance from personnel onsite. The Fire Rover will also contact 911 and send first responders while spraying the encapsulator agent onsite. Smoke detectors are also located indoors to detect fire before it begins to spread.

#### **4.2.8 Required Records**

In order to facilitate accurate tracking and to demonstrate compliance with all permits, Reworld will maintain a site operating record indicating the weight of each load accepted and into which category it is accepted. In addition, all outgoing streams (including type and amount) will be carefully tracked in the site operating record. Employee training records, standard operating procedures, copies of permits, and required permit plans will also be maintained by Reworld.

#### **4.2.9 Housekeeping and Fugitive Dust**

The facility will be kept clean, with cleaning of each area done at least once per week. In addition, the site will be kept free of litter, and parking lots and driveways will be swept at least once per week. The site is paved so there will be no track-out onto Toepfer Road or Hoover Road.

### **5.0 Environmental Assessment**

Reworld is applying for a new Permit to Construct a Solid Waste Disposal Area. This disposal area will be a regulated authority under Michigan Act 451, Part 115 as a solid waste PTF.

#### **5.1 Macomb County Waste Disposal**

As outlined in Section 2.1, the existing Reworld site is made up of 3.85 acres. As the site will contain a solid waste PTF, rather than a landfill, the full site acreage is not a disposal area. The waste at Reworld will be temporarily held in one of the three solidification vaults while undergoing solidification. Use of these vaults will be rotated, and the solid waste will be sent offsite. The vaults themselves are viewed as the overall solid waste PTF's *disposal area*. As previously discussed, each vault has a capacity of 133.33 cy, because there are three vaults, the overall disposal area is 400 cy (the sum of the three vaults). A useful life timeline is not applicable to the Reworld Solid Waste PTF, as it is expected to route useful materials offsite rather than stockpile them onsite.

The maximum amount of 219,000 tpy of non-hazardous solid waste processed works out to a maximum of 600 tons per day. It is anticipated that the Reworld Warren facility can store as much as 233,070 gallons of non-hazardous waste awaiting solidification. Reworld would serve the counties of Macomb, St. Clair, Lapeer, Genesee, Oakland, Wayne, Washtenaw, Monroe and more.

#### **5.2 Environmental Factors**

##### **5.2.1 Topography and Hydrology**

The Reword Warren Facility is part of the Clinton watershed. The Middle Branch Clinton River, the nearest surface water body, flows southeast in the general area of the site. Figure 2 includes a topographical map while Figure 7 provides wetlands information. No regulated wetlands will be impacted by this project; therefore, no additional permitting is required.

A 24-hour, 25-year precipitation event at the site is 3.96 inches of rain; the average rainfall in one year at the site is 33.5 inches. A FEMA flood map of the area indicates that the site is not located in a 100-year floodplain nor any kind of flood hazard area. The Middle Branch Clinton River's flood zone elevation for a 100-year floodplain is approximately 610 feet at its nearest point to the Reworld facility.

### 5.2.2 Hydrogeology

In June 2024, a limited hydrogeological investigation was conducted by Fishbeck. The *Hydrogeological Investigation Report* (Fishbeck, June 24, 2024, provided as Appendix 2) indicates that the site is situated in an area of end moraines/medium-textured glacial till. The upper soils beneath the Site consist of poorly-graded sand ranging in depth from approximately 4 feet below ground surface (bgs) to 11 feet bgs followed by a laterally continuous silty clay unit. Based on soil boring SB-3, which penetrated the clay unit at a depth of approximately 20 feet bgs, the clay unit appears to be at least 10 feet thick. Beneath the low permeability clay unit (at SB-3), a deeper, poorly-sorted sand unit was encountered to a depth of approximately 29.5 feet bgs before encountering silty clay near the boring terminus of 30 feet bgs.

Of note, groundwater was not encountered at soil boring SB-3. At soil borings SB-1 and SB-2 (located within the footprint of the planned waste solidification vaults), perched groundwater was encountered during drilling at depths of approximately 7 feet bgs and 9 feet bgs, respectively. Because a piezometer was not installed at SB-3 (due to not encountering groundwater), a groundwater flow map depicting the upper perched groundwater beneath the planned vaults cannot be generated.

Based on the results of the limited hydrogeologic evaluation and previous Phase II ESA, the perched groundwater beneath the planned waste solidification vaults footprint appears to be limited in extent/localized. The upper aquifer beneath the Site does not appear to be present prior to a depth of approximately 100 feet bgs (based nearby well logs); the upper aquifer is isolated by a laterally continuous low permeability clay unit of considerable thickness which would provide hydraulic impediment to downward migration of fluids (and potential contaminants).

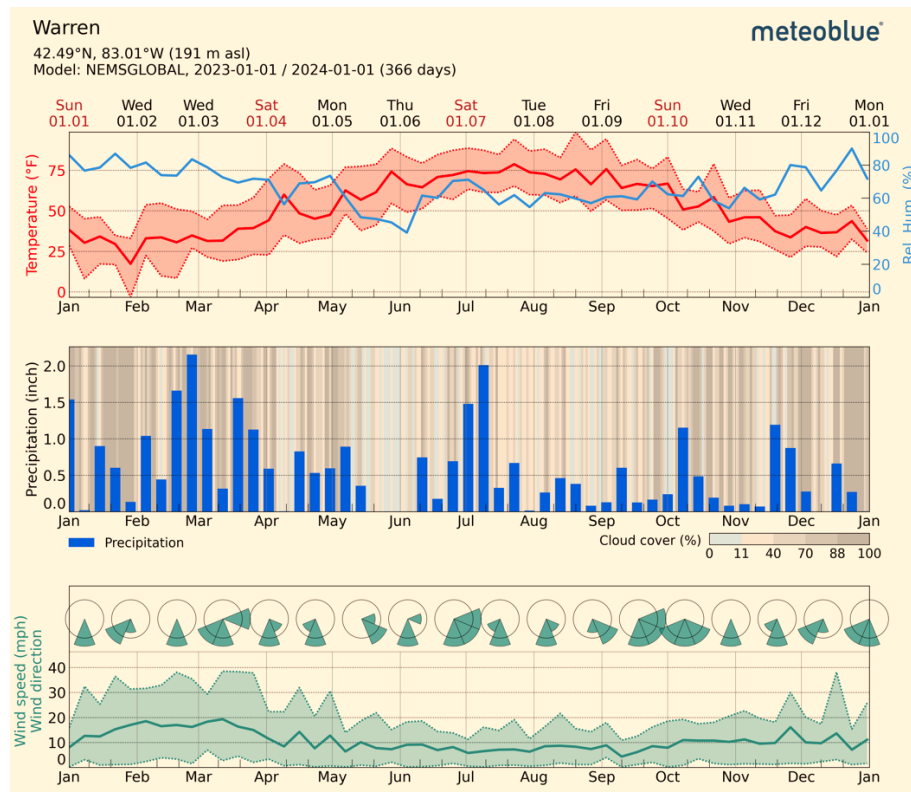
Based on the design of the proposed vaults and the existence of perched water only, a groundwater monitoring plan is not proposed. Each vault will have an easily accessible monitoring point to identify any potential leaks. In addition, as discussed with EGLE, the HDPE liner provides a barrier between any potential perched water and the vaults. Monitoring for leaks will be installed between the HDPE liner and the steel for each vault. A piezometer will also be installed northwest of the vaults to monitor any perched water. See details in the Operations Plan (Appendix 6).

### 5.2.3 Air Quality

Macomb County is currently in attainment with all National Ambient Air Quality Standards (NAAQS), which includes: PM<sub>10</sub>, PM<sub>2.5</sub>, SO<sub>2</sub>, NO<sub>2</sub>, CO, O<sub>3</sub>, and Pb. Both NO<sub>x</sub> and VOCs are regulated for controlling O<sub>3</sub> formation in the ambient air because they both participate in ambient photochemical reactions that result in O<sub>3</sub>.<sup>2</sup> The overall air quality in the area is good. Fishbeck evaluated the compiled 2023 temperature, precipitation, and wind speed/direction as presented in Graphic 8.

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<sup>2</sup> PM<sub>10</sub> and PM<sub>2.5</sub> (fine particulate matter less than 10 microns and 2.5 microns respectively), SO<sub>2</sub> (sulfur dioxide), NO<sub>2</sub> (nitrite), CO (carbon monoxide), O<sub>3</sub> (ozone), Pb (lead), NO<sub>x</sub> (nitrogen oxides), VOCs (volatile organic compounds)

**Graphic 8 – Weather Data at Warren Reworld Facility for All of 2023**

The Warren weather data shows temperatures which are at their warmest in July/August and coldest in February. Precipitation appears to spike in February/March and again in July. Additionally, compiled wind-roses indicate winds that consistently blow to the south. During 2023, there did not appear to be definitive leading wind between the south, southeast, or southwest.

### 5.3 Sensitive Habitats and Threatened and Endangered Species

Fishbeck's investigation included a review of the U.S. Fish and Wildlife Service (USFWS) Information for Planning and Consultation website. A summary of the review is presented as Appendix 7. Threatened and endangered species which may potentially be in the area include the Tricolored Bat, Indiana Bat, Northern Long-Eared Bat, Rufa Red Knot, Salamander Mussel, Monarch Butterfly, and Eastern Massasauga Rattlesnake.

As Reworld is taking over an existing building on a developed property, no construction is to take place on the site that would disturb the environment. As there would be no deforestation or destruction of already existing habitat, the three species of bats, Rufa Red Knot, Monarch Butterfly, and Eastern Massasauga Rattlesnake will not be affected by the new Reworld facility. There are also no onsite streams which could provide appropriate habitat for the Salamander Mussel.

### 5.4 Historic or Archaeological Sites Proximate to the Property Boundary

Fishbeck subcontracted Commonwealth Heritage Group, LLC to conduct an Archaeological Evaluation at the Reworld site. This evaluation is provided as Appendix 8. In summary, Commonwealth Heritage Group, LLC concluded:

- No further archaeological investigation of the area of potential effects (APE) is recommended;
- It is unlikely that any previously identified historic resources in the above-ground study area will be affected by the work, because the planned work will be constrained to the interior of the building; and
- It is anticipated that as planned, the proposed project will have no effects on historic above-ground properties.

## 5.5 Nearby Sites of Environmental Contamination

Fishbeck relied on a *Phase I Environmental Site Assessment* (ESA) prepared for the site by Ramboll Americas Engineering Solutions, Inc. (Ramboll, October 2023), when preparing a *Baseline Environmental Assessment* (BEA) *Conducted Pursuant to Environmental Remediation Part 201 of the NREPA, 1994 PA 451, as Amended for 21750 Hoover Road Warren, Michigan*. The EDR Radius Map obtained by Ramboll for the Phase I ESA was utilized to evaluate the site's surrounding area for environmental contamination; a copy of this Radius Map is provided as Appendix 9.

As the site and most of its surrounding area have historically been zoned as either industrial or heavy industrial, there are many environmental sites of interest apparent on the database report. These sites are listed in databases such as Leaking Underground Storage Tank (LUST), BEA, and EDR Historical Auto Stations. There are two Part 201 sites near the facility. They are approximately 230 feet and 450 feet south of the facility, respectively, and are both downgradient. Therefore, none of the listed sites pose any environmental concern to the Reworld facility.

The Reworld facility is taking over an established building; no new construction that will alter the topography of the site is set to take place.

## 5.6 Environmental Impacts and Protective/Corrective Measures to Reduce and Mitigate Adverse Impacts

The proposed facility will be taking over an existing, fully constructed building. There are no impacts to the recommended isolation distances. There will be no new construction at the facility that will change the topography of areas of the site; therefore, the development of the facility will not adversely impact the environment.

## 6.0 Regulatory Requirements

Development of the Warren facility is regulated under several Michigan environmental regulations and Reworld will be required to secure several permits from EGLE. In addition, EGLE's Materials Management Division (MMD) has rules that include specific requirements for solid waste PTF facilities.

### 6.1 Environmental Permits

Before operating the proposed Reworld Warren Facility, various permits from EGLE are required.

#### 6.1.1 NPDES Industrial Storm Water

Because the proposed facility will be considered a solid waste PTF, it is likely to be a regulated *primary industrial activity*. Facilities which discharge to a surface water are required to have a National Pollutant Discharge Elimination System (NPDES) Industrial Storm Water Discharge Permit. The State requires submittal of the permit application 180 days, or at least 6 months, before the proposed discharge or the expiration date of an existing discharge permit.

All Reworld equipment and storage will be contained to the existing onsite building. Loading/unloading and maintenance will take place within the building in a timely and contained fashion. The building itself serves as

secondary containment for anything stored within it. Therefore, the Reworld Warren facility meets the criteria for a No Exposure Certification (NEC). The NEC will exempt Reworld from industrial storm water permitting.

### **6.1.2 USDOT and USEPA ID Number**

If a facility offers for transportation a hazardous material that requires placarding, 49 CFR Part 172 transportation regulations require some hazardous waste generators to register with the U.S. Department of Transportation (USDOT). Once registered, the facility is required to comply with training and security plan requirements.

In addition, facilities that may generate hazardous waste and then need to arrange for disposal need to prepare a Site Identification Verification Form (EQP5150) for submittal to EGLE to obtain a hazardous waste generator identification number for the facility.

Reworld has already completed and submitted the EQP5150 form to EGLE the corresponding U.S. Environmental Protection Agency (USEPA) ID No. is MIK167815123.

### **6.1.3 Michigan Permit to Install (Air Permit)**

Michigan's Part 2 Air Use Approval Rules stipulate processes/equipment may not be installed or constructed until a Michigan Air Use Permit to Install (PTI) has been issued. The Reworld Warren facility will be operating under conditions that afford Reworld a PTI exemption. Fishbeck evaluated the processes to be conducted at the Reworld Warren facility and reviewed a Reworld solidification facility in Milwaukee to prepare a PTI Exemption memo, which has been provided to EGLE under separate cover and is also included as Appendix 10.

### **6.1.4 Michigan Part 5 Rules for Pollution Incident Prevention Plans**

Facilities that store regulated amounts of salts, oils, or polluting materials over the stipulated threshold are required to have a Pollution Incident Prevention Plan (PIPP). The polluting materials are listed in Rule 324.2009. Discrete storage/use locations are included in the plan and are evaluated in aggregate. Materials in 10-gallon containers or larger are to be included. The PIPP outlines procedures that will be used to prevent pollution caused by storage or use of the listed materials. The plan will also explain emergency cleanup procedures and contacts in the event of a release, surveillance of the materials, secondary containment, and inventory methods. The owner/operator must certify the facility's compliance with Part 5 rules.

### **6.1.5 Federal Spill Prevention Control and Countermeasure Plans**

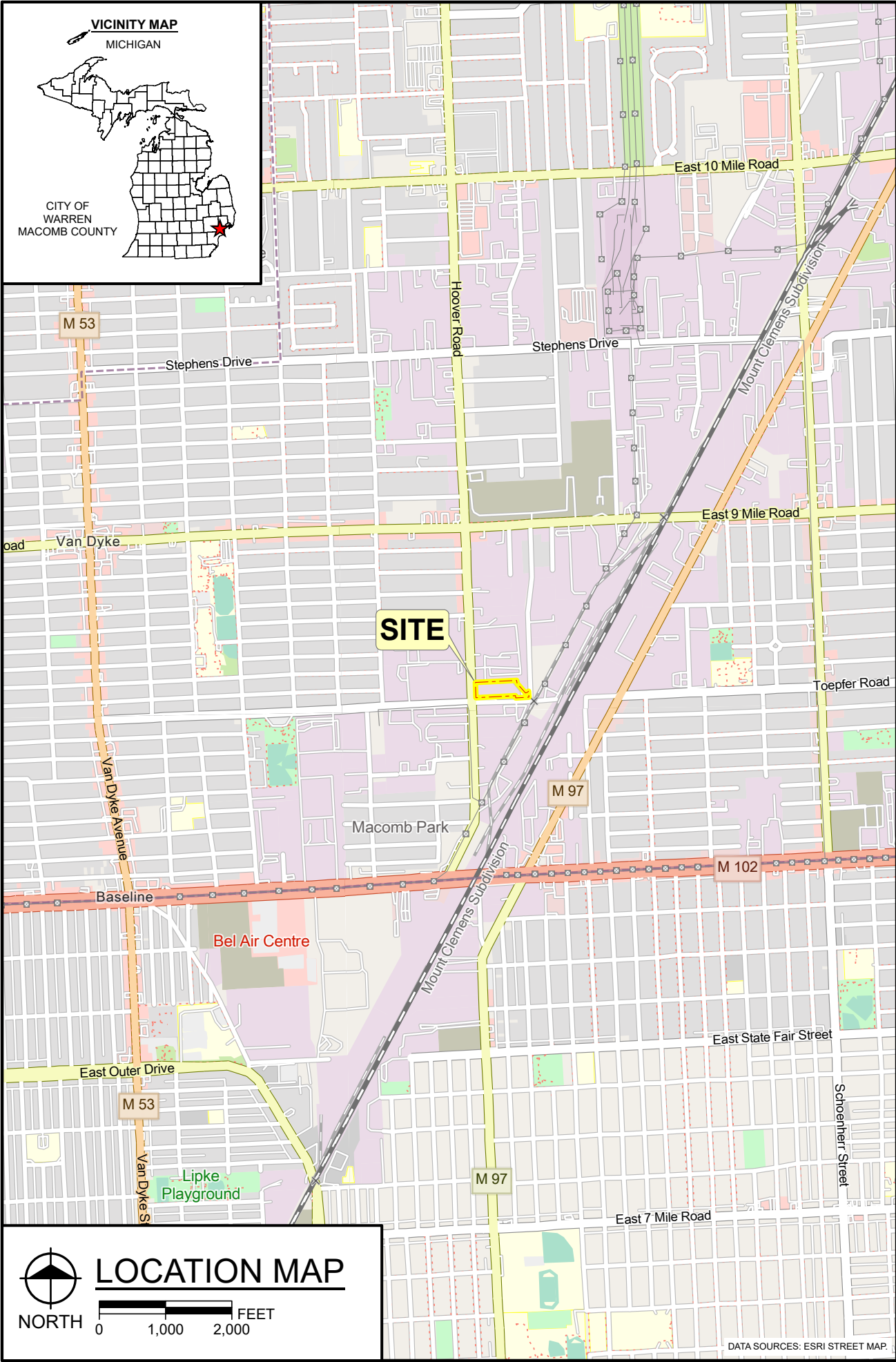
Facilities that have greater than 42,000 gallons of underground oil storage not regulated by 40 CFR Parts 280 or 281 and/or 1,320 gallons of aboveground oil storage (55 gallons or larger) are required to have a Spill Prevention Control and Countermeasure (SPCC) Plan if they have the potential to discharge oil to navigable waters of the United States or adjoining shorelines. Facilities are required to include oil-containing process equipment and electrical transformers. The SPCC Plan describes oil storage locations, containment structures, operational procedures, and emergency spill contacts and procedure. The owner/operator must certify the facility's compliance with Part 5 rules.

### **6.1.6 Wetlands**

Figure 7 provides wetlands information. Refer to Sections 2.3 and 5.2.1 for additional wetlands discussion. No regulated wetlands will be impacted by this project; therefore, no additional permitting is required.

# Figures

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# LOCATION MAP

NORTH 0 1,000 2,000 FEET

## VICINITY MAP

MICHIGAN

CITY OF WARREN  
MACOMB COUNTY



Hard copy is intended to be 8.5"x11" when plotted. Scale(s) indicated and graphic quality may not be accurate for any other size.

**Reworld Solutions, LLC**  
21750 Hoover Road, Warren, Michigan  
**Solid Waste Permit Application**

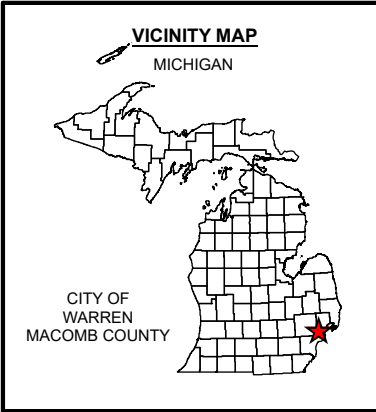
PROJECT NO.  
231717

FIGURE NO.  
**1**

DATA SOURCES: ESRI STREET MAP.

PLOT INFO: \\corp.fishbeck.com\AllProjects\2023\231717\CAD\GIS\ProProj\WorkingMap.aprx Layout: FIG01\_Location Map Date: 5/21/2024 5:06 PM User: ebyuzya

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Engineers | Architects | Scientists | Constructors

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## Reworld Solutions, LLC

21750 Hoover Road, Warren, Michigan

**Solid Waste Permit Application**

PROJECT NO.  
231717

FIGURE NO.

**2**

PLOT INFO: \corp\_it\corp\_it\Projects\2023\231717\CAD\GIS\ProProj\WorkingMap.aprx Layout: FIG03\_Site Map Date: 5/21/2024 5:06 PM User: ebuyc

Hoover Rd

Toepfer Rd

Toepfer Rd

Toepfer Rd

Nagel St

Nagel St

LEGEND



Approximate Property Boundary



NORTH

SITE MAP

0 30 60 FEET

DATA SOURCES: ESRI Hybrid Reference Layer; MISAII Imagery

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Reworld Solutions, LLC

21750 Hoover Road, Warren, Michigan

Solid Waste Permit Application

PROJECT NO.  
231717

FIGURE NO.  
3

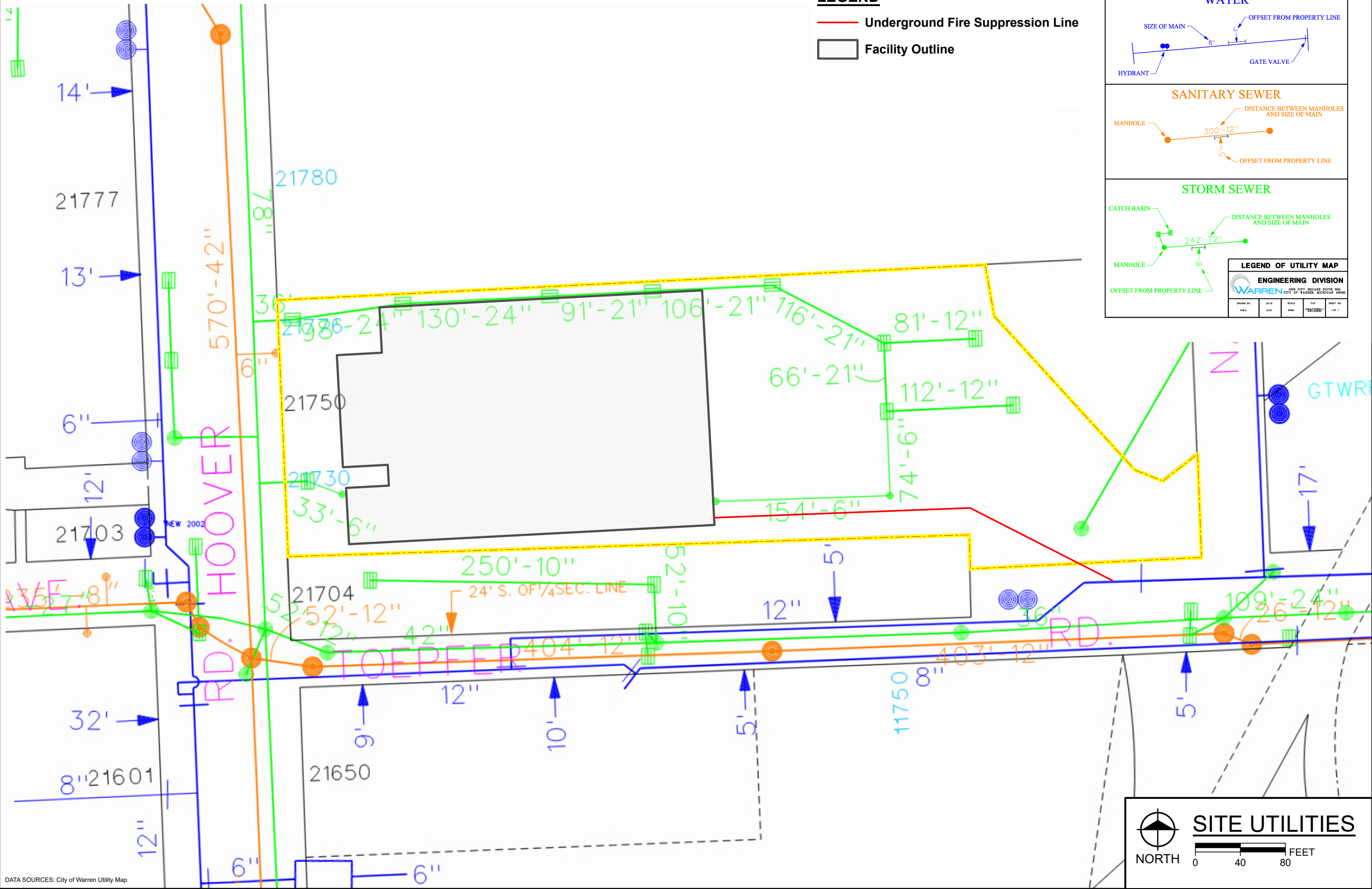




PLOT INFO: Z:\2023\231717\CADD\GIS\ProProj\WorkingMap.aprx Layout: FIG06 Utilities2 Date: 7/31/2024 7:58 AM User: ebuyc

DATA SOURCES: City of Warren Utility Map

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**SITE UTILITIES**

0 40 80 FEET

**Reworld Solutions, LLC**

21750 Hoover Road, Warren, Michigan

**Solid Waste Permit Application**

PROJECT NO.  
231717

FIGURE NO.  
**6**

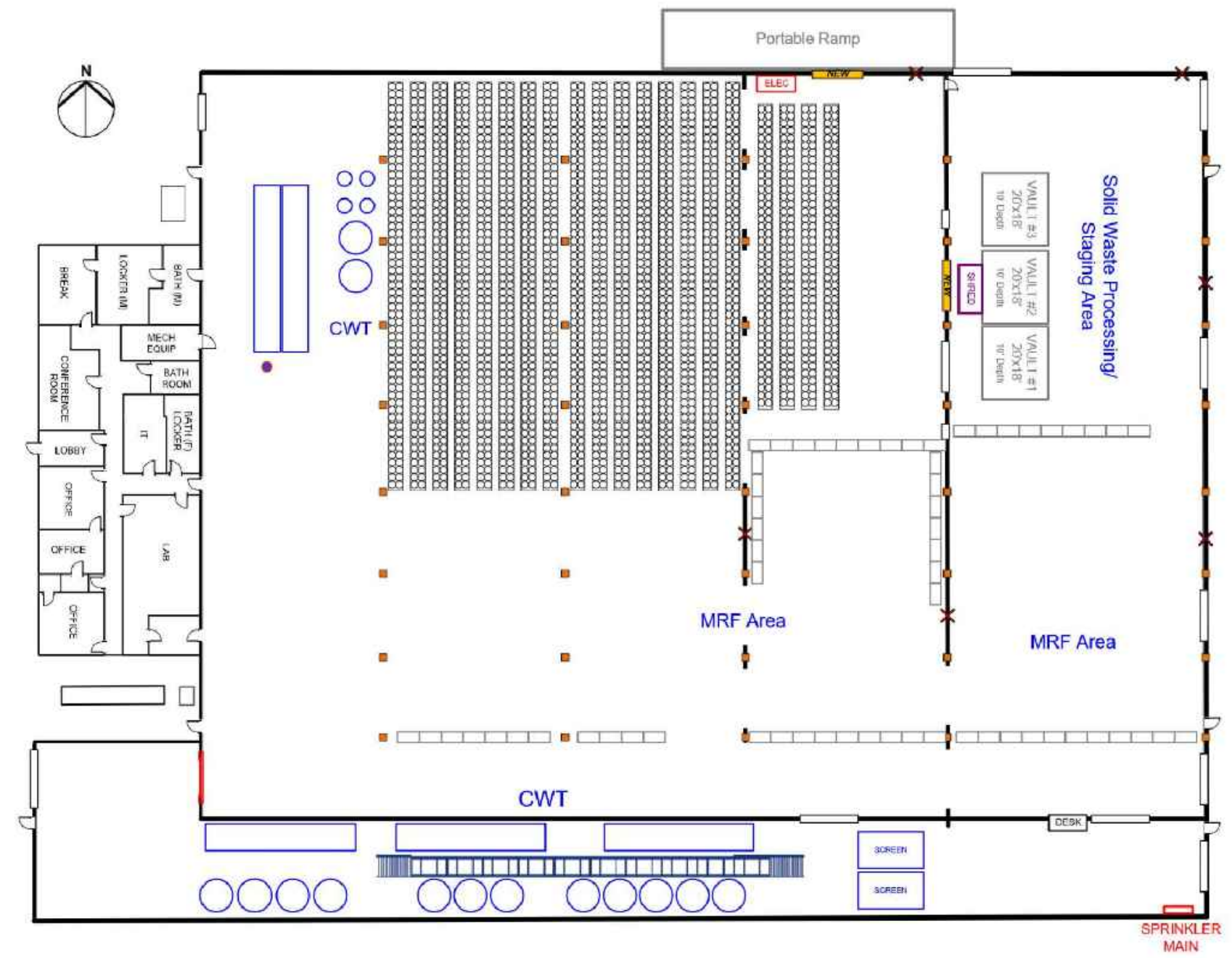
**fishbeck**  
Engineers | Architects | Scientists | Constructors

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# Detroit MPF - 21750 Hoover Rd, Warren, MI



Legend

Water Tanks

Concrete Barriers

Columns

Overhead Doors

Wall Brace

FACILITY LAYOUT



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Reworld Solutions, LLC  
21750 Hoover Road, Warren, Michigan  
Solid Waste Permit Application

PLOT INFO: \CORP-FTCH\COMALLPROJECTS\2023\231717\CAD\CD\2003-231717.DWG LAYOUT: FIG09\_FACILITY LAYOUT (2) DATE: 8/19/2024 TIME: 11:17:38 AM USER: EBUCE

# Tables

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**Table 1 - Quarter Mile Property Owners**

Application for Permit to Construct a Solid Waste Disposal Area

Reworld Solutions, LLC

Warren, Michigan

Address	Property Owner
11580 Cadillac Avenue	Michael Kilgore
11562 Cadillac Avenue	Lori and Scott Richmond
11552 Cadillac Avenue	Paul V Ramirez
11532 Cadillac Avenue	Shirley Deehan
11526 Cadillac Avenue	Motor City Real Estate LLC
11520 Cadillac Avenue	The City of Warren
1 City Square	City of Warren
Many addresses along Edom Avenue	Edom Properties LLC
21353 Edom Avenue	Victor E Pirrami
21329 Edom Avenue	Stealth Logistics Inc
21424 Groesbeck Highway	Alyas Property LLC
21520 Groesbeck Highway	Darwin K Brotherton
21544 Groesbeck Highway	GN LCC
21311 Groesbeck Highway	Brays Investments LLC
21493 Groesbeck Highway	Safar Estates LLC
21535 Groesbeck Highway	Metal Rodzina LLC
21605 Groesbeck Highway	LMS Property Management LLC
20979 Groesbeck Highway	NSA HHF JV LLC
21725 Groesbeck Highway	21725 Groesbeck Highway LLC
22001 Groesbeck Highway	DBM Warren LLC
21415 Groesbeck Highway	Selman Transportation Inc
21529 Helle Avenue	Tea Pot Association LLC
21547 Helle Avenue	21547 Helle LLC
21000 Hoover Road	Hoover Building LLC
21400 Hoover Road	Hoover Property Holdings LLC
21500 Hoover Road	21500 Hoover LLC
21590 Hoover Road	IIP-MI 4 LLC
21650 Hoover Road	KBF Enterprises INC
21704 Hoover Road	3rds INC
21900 Hoover Road	Aksa Holding LLC
21950 Hoover Road	BES Group LLC
22510 Hoover Road	Chargot Enterprises
22704 Hoover Road	Hoover Warren Investments LLC
21221 Hoover Road	BDL Investment Properties LLC
21325 Hoover Road	Jon and Nadine Canty
21401 Hoover Road	Donc Investment Properties LLC
21445 Hoover Road	Emerald Business Park LLC
21535 Hoover Road	Hoover-4 Management LLC
21601 Hoover Road	Adrian L Leica
22105 Hoover Road	Ajax Metal Processing Inc
22001 Hoover Road	GFL Environmental USA
21777 Hoover Road	Cold Head Company

**Table 1 - Quarter Mile Property Owners**

Application for Permit to Construct a Solid Waste Disposal Area

Reworld Solutions, LLC

Warren, Michigan

Address	Property Owner
21701 Hoover Road	Hoover X LLC
21703 Hoover Road	3rds Inc
22525 Hoover Road	Melody Di Giglio
22549 Hoover Road	Lorne Young
11370 Hupp Avenue	Van Dyke Public Schools
11500 Hupp Avenue	Hupp Street Associates LLC
11463 Hupp Avenue	Quincy Alexander
11473 Hupp Avenue	Ridge Renovations LLC
11479 Hupp Avenue	Lakeway Associates LLC
11495 Hupp Avenue	Dezja L Whitaker
11507 Hupp Avenue	William Loder
11521 Hupp Avenue	William B McCrimmon
11527 Hupp Avenue	Warren Property Group LLC
11533 Hupp Avenue	Detroit SFR Portfolio 1A LLC
11539 Hupp Avenue	Eric Millard
11545 Hupp Avenue	Martin Harper
11553 Hupp Avenue	Donald Mester and Dawn Creighton
11561 Hupp Avenue	Rita Danou
11569 Hupp Avenue	Thomas Edward Franzel
21250 Mullin Street	Hazel Center LLC
11777 Nagel Street	GGG Industries
22600 Nagel Street	Four N's Real Estate LLC
22700 Nagel Street	Niagara Lasalle Corporation
22701 Nagel Street	Ken Nash LLC
Many addresses along Toepfer Road	Grand Trunk Western Railroad Company
12001 Toepfer Road	12001 Toepfer LLC
12075 Toepfer Road	Toepfer Investments LLC
11375 Toepfer Road	STG Division of Cold Heading Company

# Appendix 1

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GRETCHEN WHITMER  
GOVERNOR

STATE OF MICHIGAN  
DEPARTMENT OF  
ENVIRONMENT, GREAT LAKES, AND ENERGY  
WARREN DISTRICT OFFICE



PHILLIP D. ROOS  
DIRECTOR

June 3, 2024

VIA EMAIL

Domenico Venezia  
Director of Environmental Health and Safety  
Reworld Waste  
445 South Street  
Morrisotown, NJ 07960

Dear Domenico Venezia:

SUBJECT: Advisory Analysis – Proposed New Solid Waste Processing Plant/Transfer Facility  
Reworld Waste; Previously Known as Covanta  
21750 Hoover Road, Warren, Michigan 48089

On May 7, 2024, staff of the Michigan Department of Environment, Great Lakes, and Energy (EGLE) – Materials Management Division (MMD) conducted an advisory analysis at the proposed location for a new solid waste processing plant and transfer facility pursuant to Section 11510 of Part 115, Solid Waste Management, of the Natural Resources and Environmental Protection Act, 1994 PA 451, as amended (Part 115). The new facility is proposed to be located at 21750 Hoover Road, Warren, Macomb County, Michigan. The advisory analysis was requested by Reworld Waste and was performed by MMD staff to evaluate issues relating to a new solid waste processing plant and transfer facility.

During and prior to the advisory analysis the following item was discussed that must be addressed prior to submittal of an Application for Permit to Construct a Solid Waste Disposal Area (Application) package:

- An Application package submitted to EGLE must include written documentation from the county approval agency and the legislative body of the municipality in which the facility is proposed to be located that they approve the issuance of the permit as required by Section 11508(2)(a) of Part 115. For this proposed location, a permit application will require approval from the City of Warren and Macomb County.

The following items should also be considered, evaluated, and addressed, as necessary, during the process of developing a Part 115 Application:

- The requirements for the contents of a construction permit application can be found in the Part 115 administrative rules (R 299.4504 and R 299.4505), an electronic copy of which is available on the EGLE internet site. Operational standards applicable to the proposed facility type can be found in R 299.4507 and R 299.4509 and should be utilized in the development of an Operations Plan as an attachment to the Application. The Application forms and instructions as well as a checklist for administrative completeness can also be obtained from the EGLE internet site.

- During the on site advisory analysis, MMD staff discussed the following additional design, operation, regulatory, and miscellaneous considerations that should be taken into account when developing a permit application for the proposed processing plant and transfer facility:
  - The new facility must ensure the appropriate ASTM standards are followed for construction of the concrete and steel vaults. The design and operational documents in the Application must also include provisions to ensure that vaults remain leakproof during operations and that vaults are regularly inspected and maintained to ensure that material specifications meet the design requirements. A professional engineer will be required to sign off on any construction certification.
  - Confirmation that the facility's operations and Standard Industrial Classification (SIC) will not require a stormwater discharge permit, or any other permit related to stormwater; or pursue industrial stormwater permitting if necessary.
  - Confirmation that no permitted activity will require an Air Quality Permit or pursue air quality permitting if necessary.
  - Confirmation through a hydrogeologic evaluation and, if applicable, ongoing groundwater monitoring, that groundwater will not be present around the vaults and at an elevation that may impact the integrity of the vaults. If this demonstration cannot be made, a dewatering system should be included in the vault design to depress the groundwater elevation below the invert elevation of the bottom of the vaults.

The results of this advisory analysis do not constitute an endorsement of the ultimate suitability of the proposed solid waste processing plant and transfer facility. The site is subject to all applicable requirements of Part 115, Solid Waste Management, of Act 451 and the administrative rules promulgated there under. In addition, the facility is subject to all applicable municipal codes and requirements related to building occupancy, sanitary sewer discharge, stormwater management, soil erosion and sedimentation control, fire prevention, etc.

If you have any questions, please feel free to contact Alex Whitlow at 517-614-9712 or by email at [WhitlowA@Michigan.gov](mailto:WhitlowA@Michigan.gov); or myself at 248-302-0440, or by email at [MorrowG@Michigan.gov](mailto:MorrowG@Michigan.gov).

Sincerely,

A handwritten signature in black ink, appearing to read 'Greg Morrow', with a stylized, flowing script.

Greg Morrow  
Assistant District Supervisor  
Warren District Office  
Materials Management Division  
248-302-0440

Reworld Waste

Page 3

June 3, 2024

cc: Liz Marsh, Fishbeck, Thompson, Carr, & Huber  
Patrick Cullen, Wayne County Department of Public Services  
Sonja Djurovic Buffa, City of Warren Clerk  
Rhonda Oyer, EGLE  
Mary Carnagie, EGLE  
Alex Whitlow, EGLE  
Jennifer Hazleton, EGLE  
Aaron Darling, EGLE

# Appendix 2

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# Limited Hydrogeologic Evaluation Report

**SUBJECT:** Reworld Solutions, LLC, Warren, Michigan

**DATE:** June 24, 2024

**PROJECT NO.:** 240872

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- Attachment 2 Water Supply Well Logs

## Introduction

This report provides a summary of the recent limited hydrogeologic evaluation activities conducted at the Reworld Solutions, LLC (Reworld) property located at 21750 Hoover Road, Warren, Michigan (Site, see Figure 1). A limited hydrogeologic evaluation is required to support a Michigan Department of Environment, Great Lakes, and Energy (EGLE) Act 451, Part 115 Solid Waste Disposal Area Construction Permit Application for the planned construction of three non-hazardous waste solidification pits at the Site. The subsurface investigation activities were completed in general accordance with the *Limited Hydrogeologic Evaluation Work Plan* (Fishbeck, May 2024) and subsequent EGLE requests. On May 28, 2024, EGLE requested the Work Plan be modified to re-locate one of the proposed temporary monitoring wells outside the footprint of the planned waste solidification pits and that a permanent piezometer be installed (in lieu of a temporary well) to facilitate groundwater elevation monitoring.

On May 28, 2024, Fishbeck and its drilling subcontractor (Terra Probe Environmental) attempted to advance three soil borings at the Site using a direct push drilling rig. The direct push drilling rig encountered refusal at the boring locations at a depth of approximately 4 feet below ground surface (bgs), preventing completion of the Work Plan. On May 30, 2024, Reworld dug a test pit within the subsurface evaluation area and discovered a layer of slag material that was causing drilling rig refusal.

## Limited Hydrogeologic Evaluation Activities

On June 6, 2024, Fishbeck returned to the Site with a roto-sonic drilling subcontractor (Cascade Drilling). Roto-sonic drilling combines rotary drilling with high-frequency vibrations of the drill string to efficiently penetrate various types of soil and rock formations. Three soil borings (SB-1 through SB-3) were advanced under the direction of a Fishbeck geologist; see Figure 2 for boring locations. Soil borings SB-1 and SB-2 were advanced to a depth of 15 feet bgs, while SB-3 was advanced to a depth of 30 feet bgs. In general, the soil borings were advanced until groundwater was encountered; however, at SB-3 groundwater was not observed. Continuous soil cores were collected at each boring location and characterized by a Fishbeck geologist in general conformance with the Unified Soil Classification System. Soil boring logs are provided in Attachment 1.

At SB-1 and SB-2, once groundwater was encountered, temporary monitoring wells were installed in the boreholes (TMW-1 and TMW-2, respectively). The temporary monitoring wells were constructed using 1-inch polyvinyl chloride (PVC) riser pipe affixed with 5-foot-long PVC screens. No sooner than 1 hour after installation, static water level measurements were collected at TMW-1 and TWM-2 using an electronic water level meter (referenced to well top of casing [TOC]). Because no groundwater was encountered at SB-3, a permanent piezometer was not installed outside of the footprint of the planned waste solidification pits. SB-1/TMW-1, SB-2/TMW-2, and SB-3 were surveyed by Fishbeck using Global Positioning System (GPS) survey equipment to determine northing, easting, ground surface, and TOC elevations. Survey data and soil boring/temporary monitoring well information is provided in Table 1.

Following measurement of groundwater static water levels and surveying, the temporary monitoring wells were abandoned; soil boring SB-3 was also abandoned. Soil cuttings produced during drilling were returned to the respective boreholes with bentonite chips added where necessary. The ground surface at each boring location was restored using concrete.

## Findings

The Site is situated in an area of end moraines/medium-textured glacial till according to EGLE's GeoWebFace program. Based on the limited hydrogeologic evaluation activities and previous subsurface investigation activities (i.e., a Phase II Environmental Site Assessment [ESA] performed during September 2023), the upper soils beneath the Site consist of poorly-graded sand ranging in depth from approximately 4 feet bgs to 11 feet bgs followed by a laterally continuous silty clay unit. Based on soil boring SB-3, which penetrated the clay unit at a depth of approximately 20 feet bgs, the clay unit appears to be at least 10 feet thick.<sup>1</sup> Beneath the low permeability clay unit (at SB-3), a deeper, poorly-sorted sand unit was encountered to a depth of approximately 29.5 feet bgs before encountering silty clay near the boring terminus of 30 feet bgs. Using the information obtained during the hydrogeologic evaluation activities (and previous Phase II ESA)— geologic cross-sections were generated (cross-section locations are depicted on Figure 3 – geologic cross-section A-A' (Figure 4) and geologic cross-section B-B' (Figure 5).

Of note, groundwater was not encountered at soil boring SB-3. At soil borings SB-1 and SB-2 (located within the footprint of the planned waste solidification pits), perched groundwater was encountered during drilling at depths of approximately 7 feet bgs and 9 feet bgs, respectively. Static water levels were measured at the temporary monitoring wells installed at SB-1 and SB-2 (TMW-1 and TMW-2) and are presented in Table 1. Because a piezometer was not installed at SB-3 (due to not encountering groundwater), a groundwater flow map depicting the upper perched groundwater beneath the planned pits cannot be generated.

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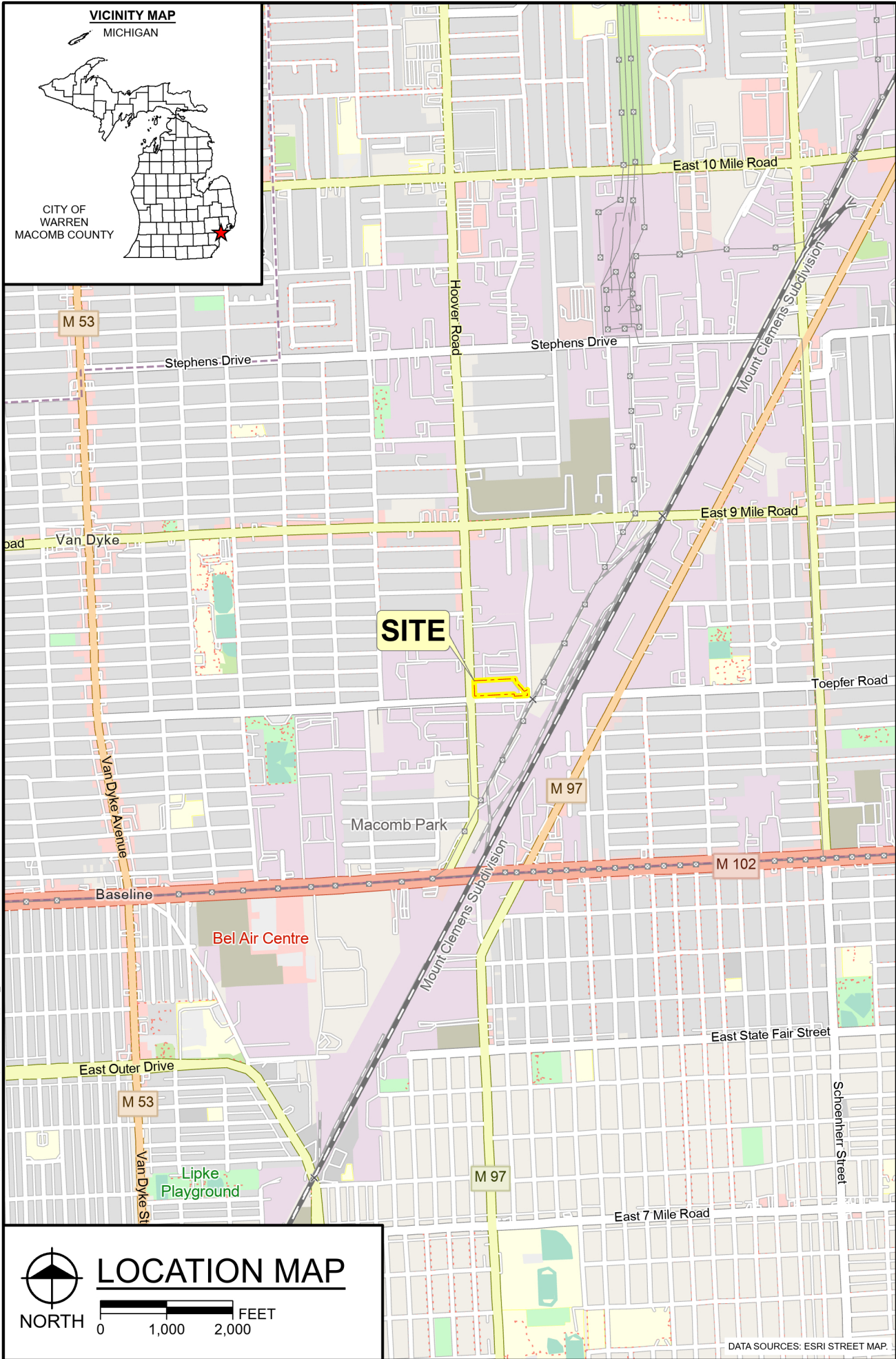
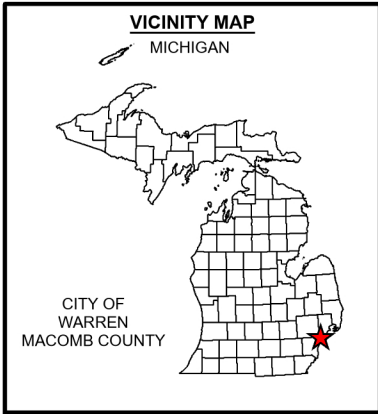
<sup>1</sup> Soil borings advanced during the 2023 Phase II ESA were not advanced through the clay unit ...the Phase II ESA soil borings were advanced to a depth of up to 20 feet bgs.

EGLE's Geowebface program indicates two water wells within a 0.5-mile radius of the Site (see Figure 6); soil boring/well logs for wells 50000012540 and 50000012541 are provided in Attachment 2. Both wells were used for dewatering purposes (not for drinking water). Well 50000012540 was installed to a depth of 132 feet bgs and was completed as a bedrock well with an open borehole. Well 50000012541 was installed to a depth of 145 feet bgs and was screened across the soil-bedrock interface. Well 50000012540 has been abandoned; it is unclear if well 50000012541 remains active/not abandoned. Both well logs indicate the presence of a substantially thick (i.e., 80 feet) low permeability clay unit encountered at a depth of 16 feet bgs.

Based on the results of the limited hydrogeologic evaluation and previous Phase II ESA activities (locations of Phase II soil borings GSB-1 through GSB-8 are depicted on Figure 2), the perched groundwater beneath the planned waste solidification pits footprint appears to be limited in extent/localized. The upper aquifer beneath the Site does not appear to be present prior to a depth of approximately 100 feet bgs (based nearby well logs); the upper aquifer is isolated by a laterally continuous low permeability clay unit of considerable thickness which would provide hydraulic impediment to downward migration of fluids (and potential contaminants). The lower (unsaturated) sand unit depicted on Figure 4 appears to be laterally discontinuous, as it was not encountered at water wells 50000012541 and 50000012541, which are located approximately 0.4-miles northeast of the Site.

# Figures

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Hard copy is intended to be 8.5"x11" when plotted. Scale(s) indicated and graphic quality may not be accurate for any other size.

**Reworld Solutions, LLC**  
21750 Hoover Road, Warren, Michigan  
**Site Location Map**

PROJECT NO.  
240872

FIGURE NO.  
**1**

PLOT INFO: Z:\2024\240872\CAD\GIS\Proj\Hydrogeo Work Plan.aprx Layout: App 2a\_Location Map Date: 6/10/2024 4:41 PM User: mbell



**SOIL BORING AND TEMPORARY MONITORING WELL LOCATION MAP**

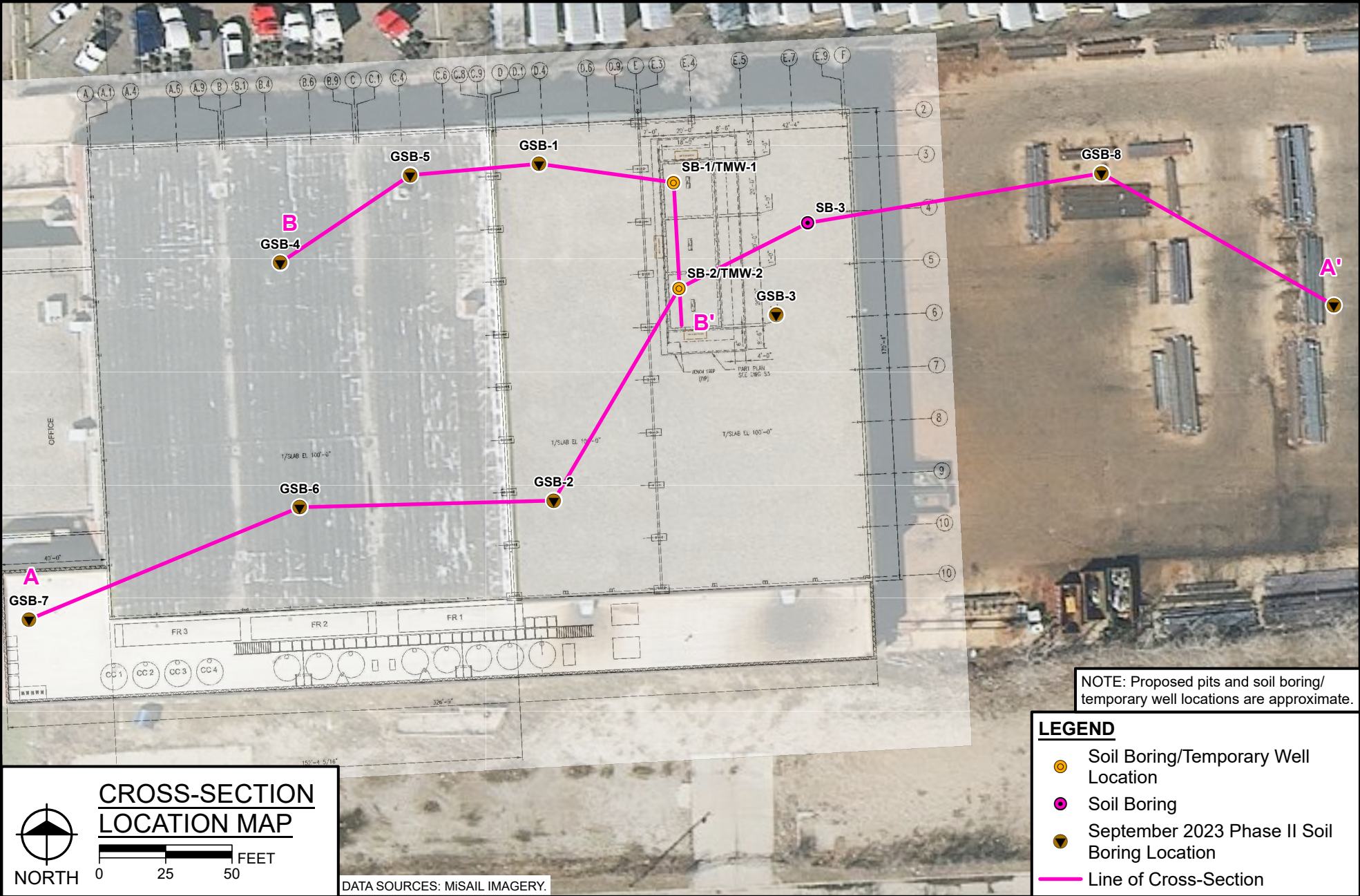
NORTH

0 25 50 FEET

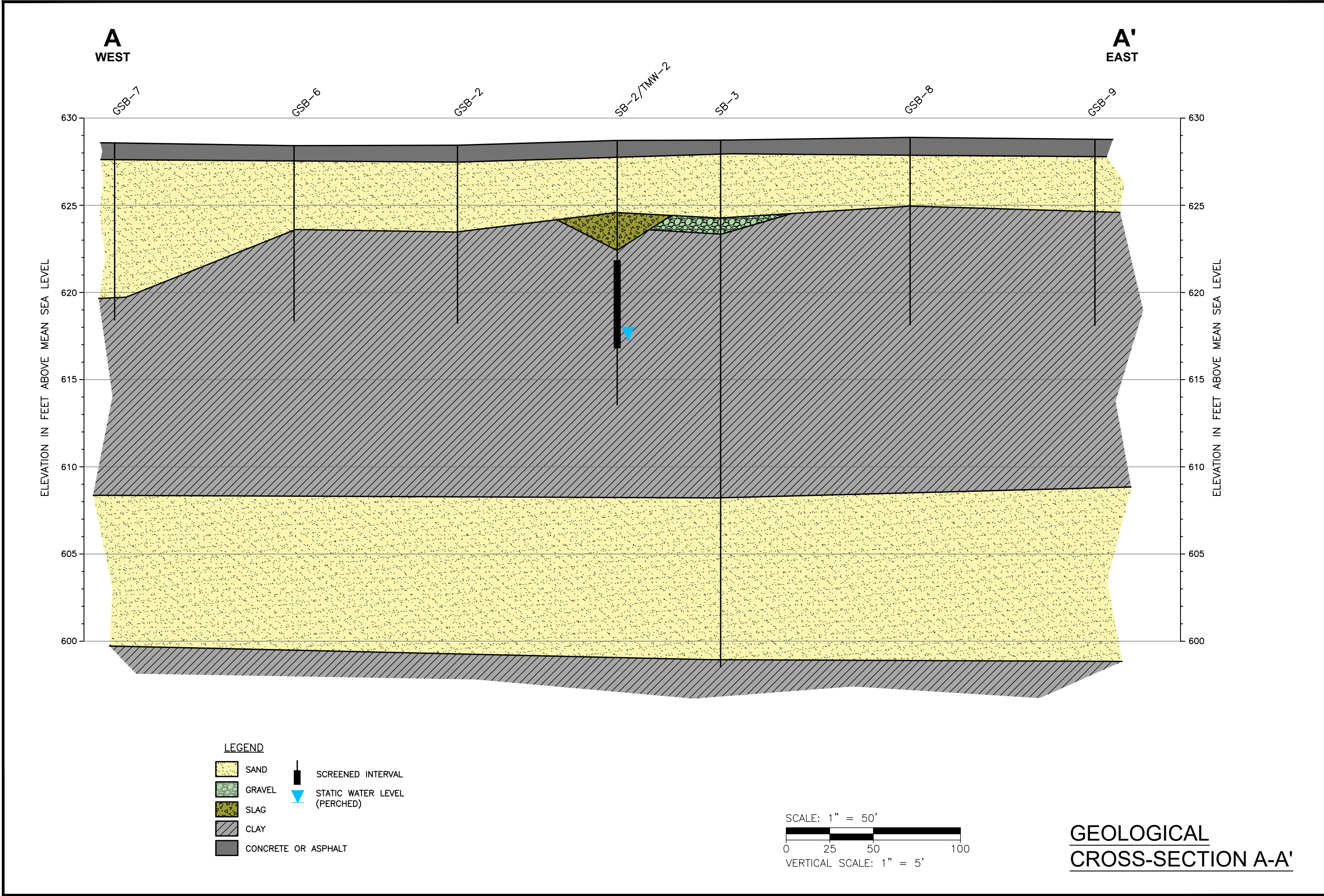
DATA SOURCES: MISAIL IMAGERY.

**LEGEND**

- Soil Boring/Temporary Well Location
- Soil Boring
- September 2023 Phase II Soil Boring Location



PLOT INFO: Z:\2024\240872\CADD\CD\Z001-240872.DWG LAYOUT: XSEC A DATE: 6/19/2024 TIME: 2:44:38 PM USER: ACSCHWALLIER





Engineers | Architects | Scientists | Constructors

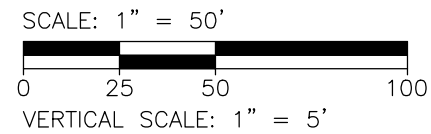
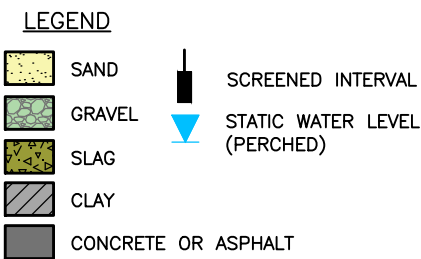
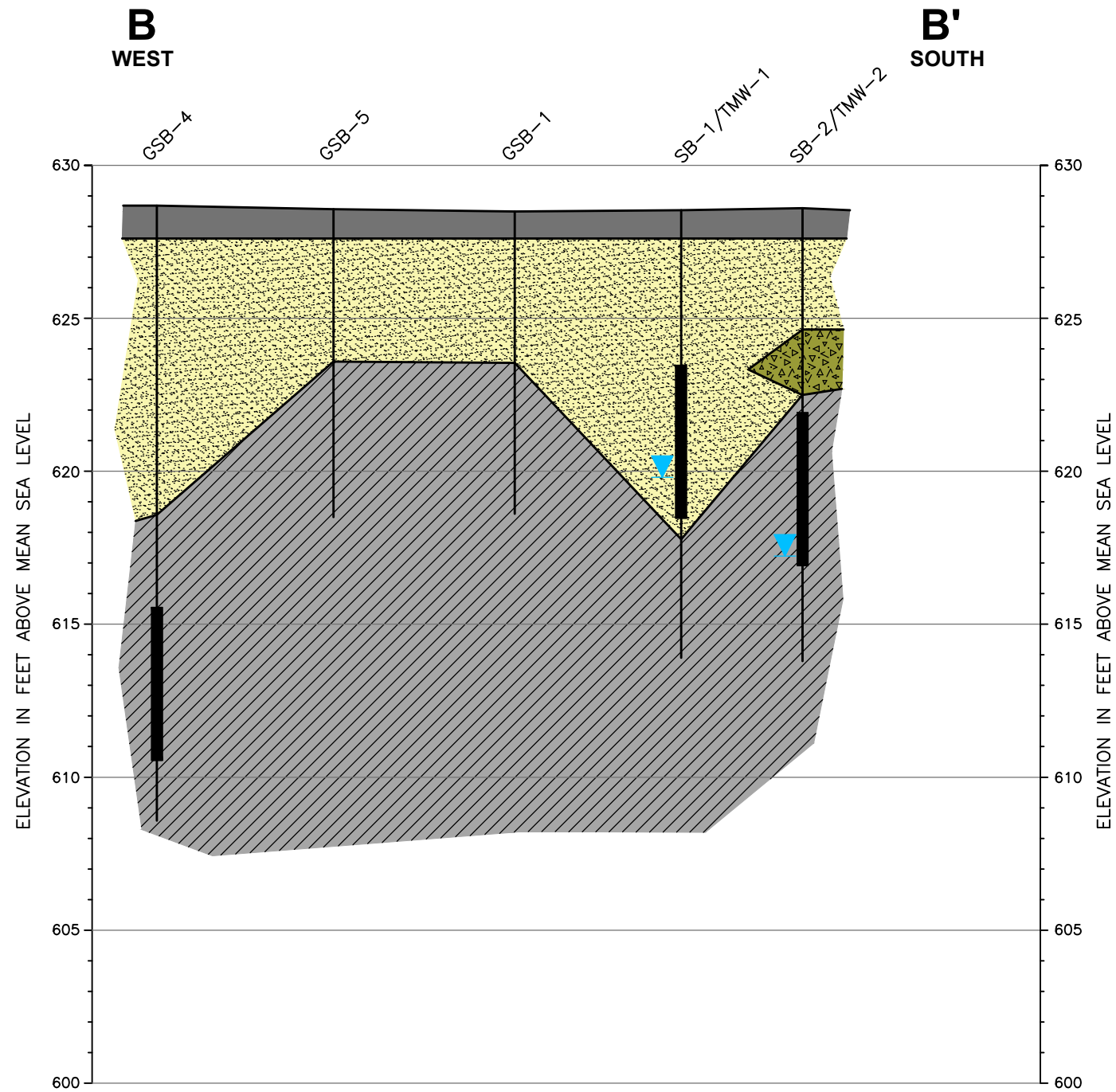
Hard copy is intended to be 11"x17" when plotted. Scale(s) indicated and graphic quality may not be accurate for any other size.

**Reworld Solutions, LLC**  
21750 Hoover Road, Warren, Michigan

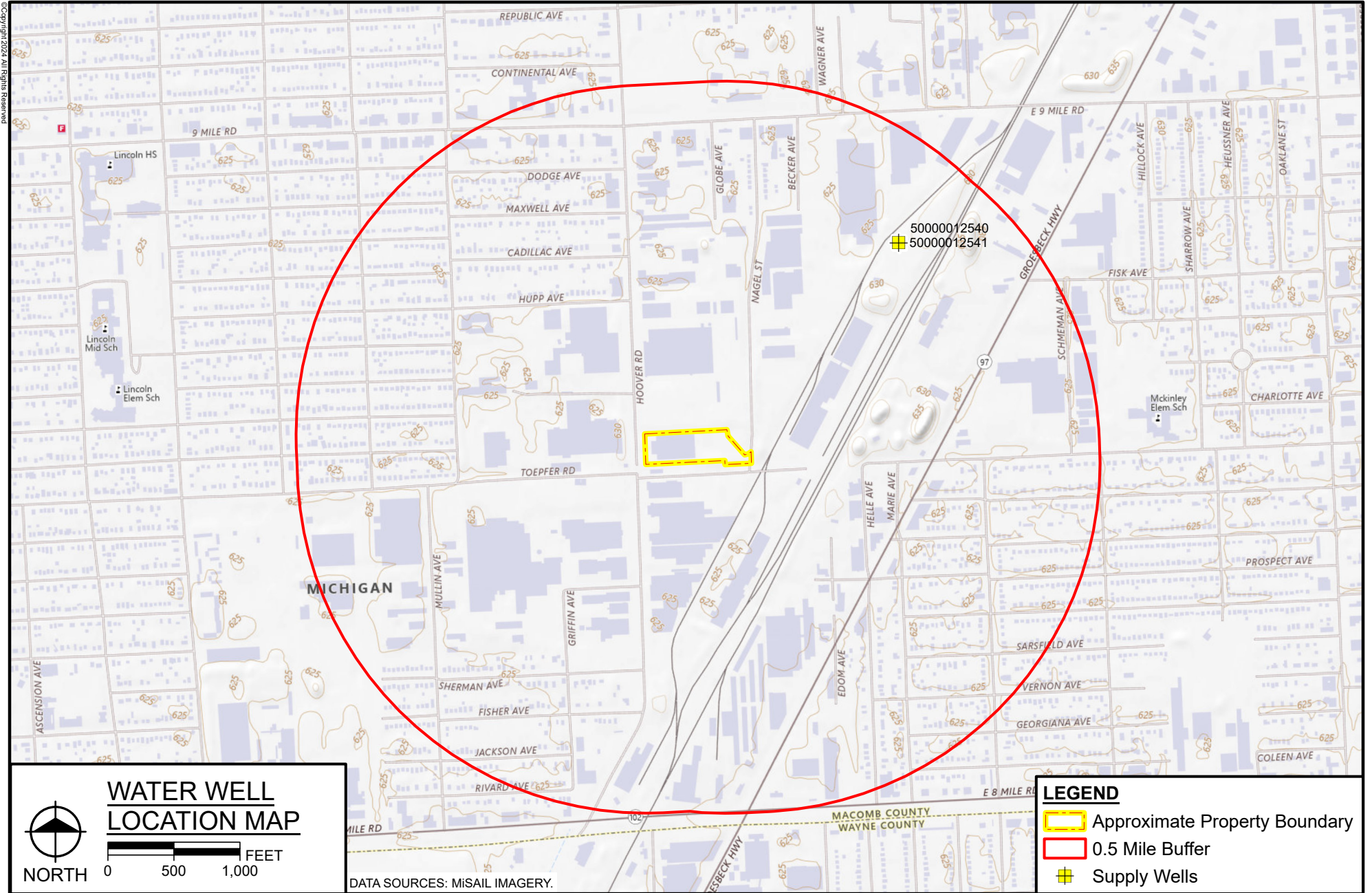
**Limited Hydrogeologic Evaluation Report**

PROJECT NO.
240872
FIGURE NO.
4

PLOT INFO: Z:\2024\240872\CAD\DDZ001-240872.DWG LAYOUT: XSEC B DATE: 6/19/2024 TIME: 2:43:55 PM USER: ACSCHWALLIER



**GEOLOGICAL  
CROSS-SECTION B-B'**



NORTH

# WATER WELL LOCATION MAP

0 500 1,000 FEET

DATA SOURCES: MISAIL IMAGERY.

## LEGEND

- Approximate Property Boundary
- 0.5 Mile Buffer
- Supply Wells

6

FIGURE NO.

PROJECT NO.  
240872

**Reworld Solutions, LLC**

21750 Hoover Road, Warren, Michigan

**Limited Hydrogeologic Evaluation Report**

Hard copy is intended to be 8.5x11" when plotted. Scale(s) indicated and graphic quality may not be accurate for any other size.

**fishbeck**

Engineers | Architects | Scientists | Constructors

# Tables

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**Table 1 - Soil Boring/Temporary Monitoring Well Summary**

Limited Hydrogeologic Evaluation Report  
 Reworld Solutions, LLC - Warren, Michigan  
 June 2024

Location	Date Completed	Easting <sup>1</sup>	Northing <sup>1</sup>	Ground Elevation (ft amsl) <sup>1</sup>	Top of Casing Elevation (ft amsl) <sup>1</sup>	Static Water Level (ft)			Total Boring Depth (ft bgs)	Screened Interval (ft bgs)
						Below TOC	amsl	Below Ground Surface		
SB-1/TMW-1	6/6/2024	13491036.22	351717.59	628.61	629.10	9.20	619.90	8.71	15	5-10
SB-2/TMW-2	6/6/2024	13491038.05	351677.04	628.68	629.00	11.55	617.45	11.23	15	7-12
SB-3	6/6/2024	13491090.39	351700.61	628.67	NA	NA	NA	NA	30	NA

<sup>1</sup> Elevations are referenced to NAVD88  
 NA not applicable  
 amsl above mean sea level  
 bgs below ground surface  
 ft feet

# Attachment 1

---



# BOREHOLE LOG

BORING/WELL ID: SB-01 / TMW-01

TOTAL DEPTH (ft.): 15

PROJECT: Reworld/Hydrogeo Investigation

SITE LOCATION: Warren, MI

PROJECT NO.: 240872

PROJECT MANAGER: L. Marsh

LOGGED BY: A. Near

START DATE: 06/06/24

END DATE: 06/06/24

TOC ELEV.: 629.10'

GROUND ELEV.: 628.61'

STATIC WATER LVL.: 9.20' btoc

DRILLING CO.: Cascade Drilling

DRILLER: Spencer

RIG TYPE: Mini Rotosonic

METHOD OF DRILLING: Sonic

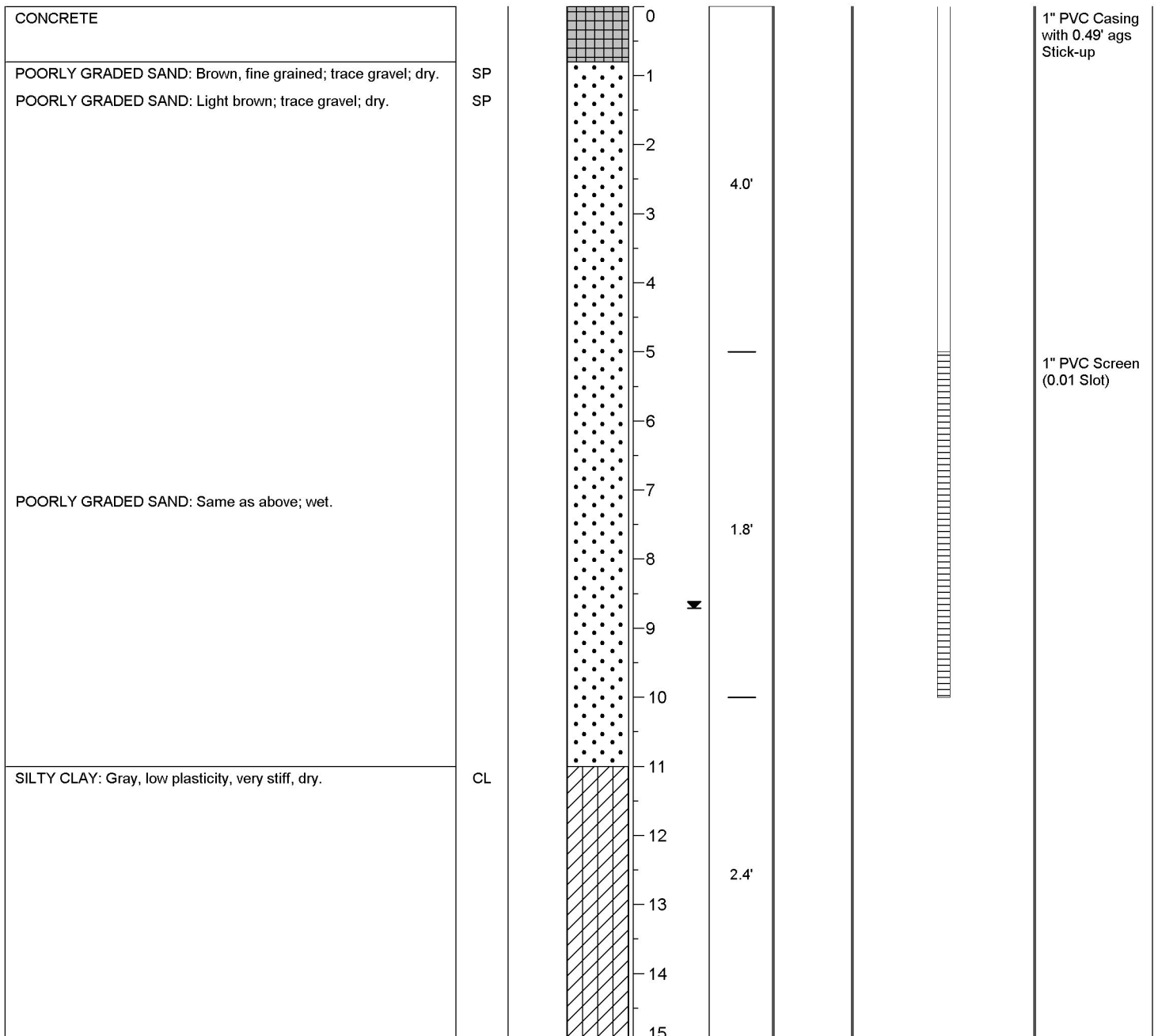
SAMPLING METHODS: Continuous

NOTES:

Static Water Level

Page 1 of 1

DESCRIPTION	USCS	PID ppm	GRAPHIC LOG	DEPTH (ft. bgl)	Static Water Level	Sample Recovery	Sample ID	WELL CONSTRUCTION DETAIL
-------------	------	------------	----------------	--------------------	-----------------------	--------------------	--------------	-----------------------------





# BOREHOLE LOG

BORING/WELL ID: SB-02 / TMW-02

TOTAL DEPTH (ft.): 15

PROJECT: Reworld/Hydrogeo Investigation

SITE LOCATION: Warren, MI

PROJECT NO.: 240872

PROJECT MANAGER: L. Marsh

LOGGED BY: A. Near

START DATE: 06/06/24

END DATE: 06/06/24

TOC ELEV.: 629.00'

GROUND ELEV.: 628.68'

STATIC WATER LVL.: 11.55' btoc

DRILLING CO.: Cascade Drilling

DRILLER: Spencer

RIG TYPE: Mini Rotosonic

METHOD OF DRILLING: Sonic

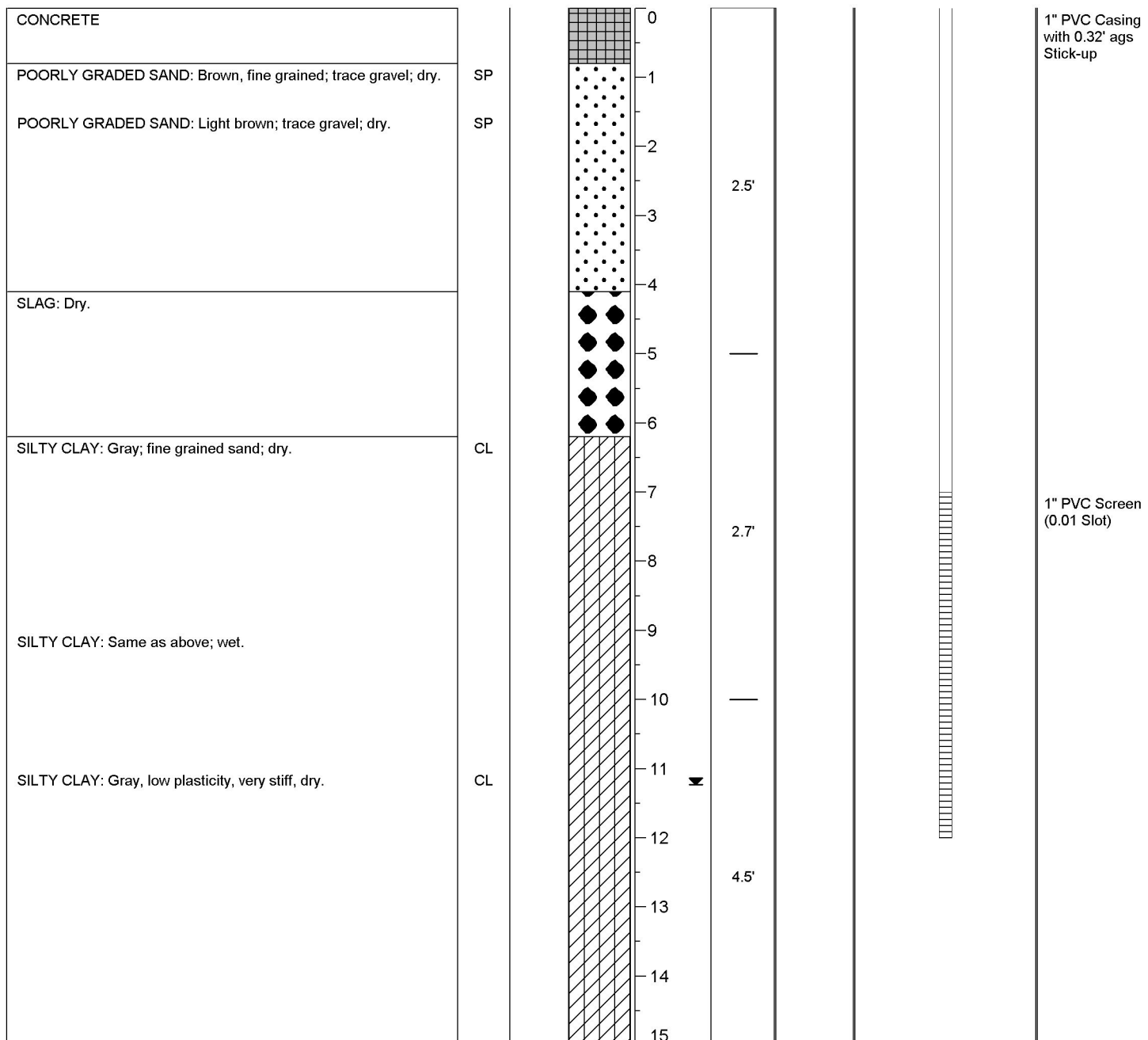
SAMPLING METHODS: Continuous

NOTES:

Static Water Level

Page 1 of 1

DESCRIPTION	USCS	PID ppm	GRAPHIC LOG	DEPTH (ft. bgl)	Static Water Level	Sample Recovery	Sample ID	WELL CONSTRUCTION DETAIL
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# BOREHOLE LOG

BORING/WELL ID: SB-03

TOTAL DEPTH (ft.): 15

PROJECT: Reworld/Hydrogeo Investigation

SITE LOCATION: Warren, MI

PROJECT NO.: 240872

PROJECT MANAGER: L. Marsh

LOGGED BY: A. Near

START DATE: 06/06/24

END DATE: 06/06/24

TOC ELEV.: N/A

GROUND ELEV.: 628.67

STATIC WATER LVL.: N/A

DRILLING CO.: Cascade Drilling

DRILLER: Spencer

RIG TYPE: Mini Rotasonic

METHOD OF DRILLING: Sonic

SAMPLING METHODS: Continuous

NOTES:

Static Water Level

Page 1 of 2

DESCRIPTION	USCS	PID (ppm)	GRAPHIC LOG	DEPTH (ft. bgl)	Static Water Level	Sample Recovery	Sample ID	COMMENTS
-------------	------	-----------	-------------	-----------------	--------------------	-----------------	-----------	----------

CONCRETE				0				
POORLY GRADED SAND: Brown, fine grained; trace gravel; dry.	SP			1				
POORLY GRADED SAND WITH GRAVEL: Dark brown, fine grained; some gravel; dry.	SP			2				
				3	2.7'			
				4				
POORLY GRADED GRAVEL WITH SAND: With fine to coarse grained sand; dry.	GP			5				
SILTY CLAY WITH SAND: Brown, low plasticity, very stiff; some sand; dry.	CL/ML			6				
				7				
				8	4.7'			
				9				
				10				
SILTY CLAY: Gray, low plasticity, very stiff; trace gravel; dry.	CL/ML			11				
				12				
				13	4.5'			
				14				
				15				



# BOREHOLE LOG

BORING/WELL ID: SB-03

TOTAL DEPTH (ft.): 15

**PROJECT:** Reworld/Hydrogeo Investigation

**SITE LOCATION:** Warren, MI

**PROJECT NO.:** 240872

**PROJECT MANAGER:** L. Marsh

**LOGGED BY:** A. Near

**START DATE:** 06/06/24

**END DATE:** 06/06/24

**TOC ELEV.:** N/A

**GROUND ELEV.:** 628.67'

**STATIC WATER LVL.:** N/A

**DRILLING CO.:** Cascade Drilling

**DRILLER:** Spencer

**RIG TYPE:** Mini Rotosonic

**METHOD OF DRILLING:** Sonic

**SAMPLING METHODS:** Continuous

**NOTES:**

Static Water Level

Page 2 of 2

DESCRIPTION

USCS

PID  
(ppm)

GRAPHIC  
LOG

DEPTH  
(ft. bgl)

Static Water  
Level

Sample  
Recovery

Sample  
ID

COMMENTS

SILTY CLAY: Gray, low plasticity, very stiff; trace gravel; dry.

CL/ML

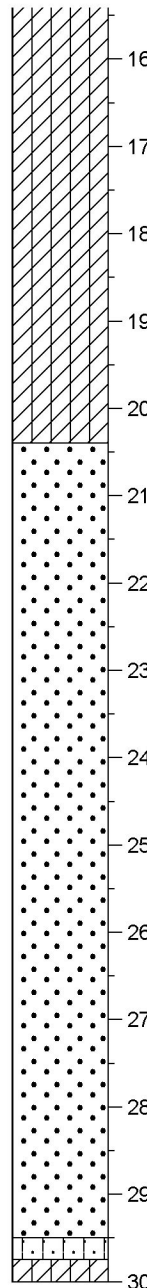
POORLY GRADED SAND: Brown, fine grained, dry.

SP

SILTY SAND: Gray; some silt; dry.

SM  
CL/ML

SILTY CLAY: Gray, low plasticity, very stiff; dry.



4.0'

3.4'

4.3'

# Attachment 2

---



# Water Well And Pump Record

Completion is required under authority of Part 127 Act 368 PA 1978.



Import ID:

Failure to comply is a misdemeanor.

<b>Tax No:</b>	<b>Permit No:</b>	<b>County:</b> Macomb		<b>Township:</b> Warren	
<b>Well ID: 50000012540</b>  <b>Elevation:</b>  <b>Latitude:</b> 42.46092  <b>Longitude:</b> -82.99799  <b>Method of Collection:</b> GPS Std Positioning Svc SA Off		<b>Town/Range:</b> 01N 12E	<b>Section:</b> 35	<b>Well Status:</b> Plugged	<b>WSSN:</b>
		<b>Source ID/Well No:</b>			
		<b>Distance and Direction from Road Intersection:</b> EAST OF HOOVER, NORTH OFF TOEPFER			
		<b>Well Owner:</b> N.T.H. CONSULTANTS, LTD			
		<b>Well Address:</b> TOEPFER STORAGE SITE WARREN, MI 48089		<b>Owner Address:</b> 480 FORD FIELD/2000 BRUSH DETROIT, MI 48226	

<b>Drilling Method:</b> Rotary	<b>Pump Installed:</b> No
<b>Well Depth:</b> 132.00 ft.	<b>Pressure Tank Installed:</b> No
<b>Well Type:</b> Dry Hole	<b>Pressure Relief Valve Installed:</b> Yes
<b>Well Use:</b> Other	
<b>Date Completed:</b> 10/2/2012	
<b>Casing Type:</b> None	
<b>Casing Joint:</b>	
<b>Casing Fitting:</b>	
<b>Diameter:</b>	
<b>Borehole:</b> 14.75 in. to 132.00 ft. depth	

<b>Static Water Level:</b> 999.00 ft. Below Grade	<b>Formation Description</b>	<b>Thickness</b>	<b>Depth to Bottom</b>
<b>Well Yield Test:</b>	<b>Yield Test Method:</b>		
	Brown Sand & Clay	16.00	16.00
	Gray Silt & Clay	80.00	96.00
	Sand & Gravel	6.00	102.00
	Gray Silt & Clay	10.00	112.00
	Sand & Gravel	12.00	124.00
	Limestone	8.00	132.00

<b>Screen Installed:</b> No	<b>Intake:</b> Bedrock Well	<b>Geology Remarks:</b>
<b>Well Grouted:</b> Yes	<b>Grouting Method:</b> Grout pipe outside casing	
<b>Grouting Material:</b> Bentonite slurry	<b>Bags:</b> 38.00	
<b>Additives:</b> None	<b>Depth:</b> 0.00 ft. to 132.00 ft.	

<b>Wellhead Completion:</b> 12 inches above grade
---

<b>Nearest Source of Possible Contamination:</b>	<b>Drilling Machine Operator Name:</b> CHRIS POWELL
<b>Type:</b> Storm sewer	<b>Employment:</b> Employee
<b>Distance:</b> 1500 ft.	
<b>Direction:</b> South	

<b>Abandoned Well Plugged:</b> Yes	<b>Contractor Type:</b> Water Well Drilling Contractor	<b>Reg No:</b> 47-2072
	<b>Business Name:</b> Brown Drilling Co Inc	
	<b>Business Address:</b> 7215 Highland Rd, Howell, MI, 48843	

<b>Casing Diameter:</b> 14.75 in.	<b>Casing Removed:</b> No	<b>Water Well Contractor's Certification</b> This well/pump was constructed under my supervision and I hereby certify that the work complies with Part 127 Act 368 PA 1978 and the well code.
<b>Plugging Material:</b> Bentonite slurry		
<b>No. of Bags:</b> 38.00	<b>Well Depth:</b> 132 ft.	
<b>Signature of Registered Contractor</b>		<b>Date</b>

<b>General Remarks:</b>
-------------------------

<b>Other Remarks:</b> Well Use: DEWATERING
--



# Water Well And Pump Record

Completion is required under authority of Part 127 Act 368 PA 1978.



Import ID:

Failure to comply is a misdemeanor.

<b>Tax No:</b>	<b>Permit No:</b>	<b>County:</b> Macomb		<b>Township:</b> Warren	
<b>Well ID: 50000012541</b>  <b>Elevation:</b>  <b>Latitude:</b> 42.46094  <b>Longitude:</b> -82.99801  <b>Method of Collection:</b> GPS Std Positioning Svc SA Off		<b>Town/Range:</b> 01N 12E	<b>Section:</b> 35	<b>Well Status:</b> Inactive	<b>WSSN:</b>
		<b>Source ID/Well No:</b>			
		<b>Distance and Direction from Road Intersection:</b> EAST OF HOOVER, NORTH OF TOEPFER			
		<b>Well Owner:</b> N.T.H. CONSULTANTS, LTD			
		<b>Well Address:</b> 12075 TOEPFER STORAGE-HOLE#2 WARREN, MI 48089		<b>Owner Address:</b> 480 FORD FIELD/2000 BRUSH ST DETROIT, MI 48226	

<b>Drilling Method:</b> Rotary	<b>Pump Installed:</b> No
<b>Well Depth:</b> 142.00 ft.	<b>Pressure Tank Installed:</b> No
<b>Well Type:</b> New	<b>Pressure Relief Valve Installed:</b> Yes
<b>Well Use:</b> Other	
<b>Date Completed:</b> 10/10/2012	
<b>Casing Type:</b> PVC plastic	
<b>Casing Joint:</b> Welded	
<b>Casing Fitting:</b>	
<b>Height:</b>	
<b>Diameter:</b> 8.00 in. to 112.00 ft. depth SDR: 21.00	
<b>Borehole:</b> 15.00 in. to 145.00 ft. depth	

<b>Static Water Level:</b> 36.00 ft. Below Grade	<b>Formation Description</b>	<b>Thickness</b>	<b>Depth to Bottom</b>
<b>Well Yield Test:</b> Pumping level 56.00 ft. after 24.00 hrs. at 70 GPM			
<b>Yield Test Method:</b> Test pump	Brown Sand & Clay	16.00	16.00
	Gray Silt & Clay	80.00	96.00
	Sand & Gravel	6.00	102.00
	Gray Silt & Clay	10.00	112.00
	Sand & Gravel	20.00	132.00
	Limestone	13.00	145.00

<b>Screen Installed:</b> Yes	<b>Filter Packed:</b> Yes	<b>Geology Remarks:</b>
<b>Screen Diameter:</b> 8.00 in.	<b>Blank:</b>	
<b>Screen Material Type:</b> Stainless steel-wire wrapped		
<b>Screen Installation Type:</b> Attached		
<b>Slot</b>	<b>Length</b>	<b>Set Between</b>
15.00	30.00 ft.	112.00 ft. and 142.00 ft.
<b>Fittings:</b> None		
<b>Well Grouted:</b> Yes	<b>Grouting Method:</b> Grout pipe outside casing	
<b>Grouting Material</b>	<b>Bags</b>	<b>Additives</b>
Bentonite slurry	15.00	None
		<b>Depth</b>
		0.00 ft. to 90.00 ft.

<b>Wellhead Completion:</b> 12 inches above grade	<b>Drilling Machine Operator Name:</b> CHRIS POWELL
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<b>Nearest Source of Possible Contamination:</b>	<b>Employment:</b> Employee
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<b>Type</b>	<b>Distance</b>	<b>Direction</b>
Storm sewer	1500 ft.	South

<b>Contractor Type:</b> Water Well Drilling Contractor	<b>Reg No:</b> 47-2072
<b>Business Name:</b> Brown Drilling Co Inc	
<b>Business Address:</b> 7215 Highland Rd, Howell, MI, 48843	

<b>Water Well Contractor's Certification</b>	
This well/pump was constructed under my supervision and I hereby certify that the work complies with Part 127 Act 368 PA 1978 and the well code.	
<b>Signature of Registered Contractor</b>	<b>Date</b>

<b>General Remarks:</b>
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<b>Other Remarks:</b> Well Use:DEWATERING
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# Appendix 3

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**COVANTA RESOLUTION**

A Regular Meeting of the City Council of the City of Warren, County of Macomb, Michigan, held on Tuesday, February 27, 2024, at 7:00 p.m. Eastern Standard Time, in the Council Chamber at the Warren Community Center Auditorium, 5460 Arden, Warren, Michigan.

PRESENT: Councilpersons Boike, Dwyer, Lafferty, Magee, Moore, Newnan, Rogensues

ABSENT: Councilpersons None

The following preamble and resolution were offered by Councilperson

Moore and supported by Councilperson Lafferty.

Reworld (fka Covanta) is a sustainability minded company that specializes in end-to-end materials management solutions.

Reworld (fka Covanta) is looking to utilize 21750 Hoover Road to conduct the following operations:

- Recycling Operation for the creation of Alternative Engineered Fuel product
- Industrial Waste Treatment
- Material Processing

All operations will take place indoors and only process non-hazardous materials.

**THEREFORE, IT IS RESOLVED** that the Warren City Council authorizes as required by Act 451, Part 115, the issuance of a construction permit for solid waste processing and transfer facility and a general permit for a materials utilization facility for the Reworld (fka Covanta) Environmental Services facility located at 21750 Hoover Road, Warren, Michigan.

AYES: Councilpersons: Moore, Lafferty, Boike, Dwyer, Magee, Newnan, Rogensues

NAYS: Councilpersons: \_\_\_\_\_

RESOLUTION DECLARED ADOPTED this 27<sup>th</sup> day of February, 2024.

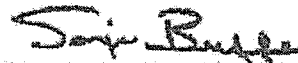


MINDY MOORE  
Secretary of the Council

CERTIFICATION

STATE OF MICHIGAN    )  
                                  ) SS.  
COUNTY OF MACOMB )

I, SONJA BUFFA, duly elected City Clerk for the City of Warren, Macomb County, Michigan, hereby certifies that the foregoing is a true and correct copy of the resolution adopted by the Council of the City of Warren at its meeting held on Tuesday, February 27, 2024.



SONJA BUFFA  
City Clerk

# Appendix 4

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## Macomb County Board of Commissioners

### RESOLUTION NO. 2024-2991

Adopted: August 15, 2024

**A RESOLUTION TO APPROVE ISSUANCE OF A CONSTRUCTION PERMIT FOR SOLID WASTE PROCESSING AND TRANSFER AND A GENERAL PERMIT FOR A MATERIALS UTILIZATION FACILITY TO BE LOCATED AT 21750 HOOVER ROAD, WARREN, MICHIGAN**

The Macomb County Board of Commissioners offers the following Resolution:

**WHEREAS**, Reworld, formerly known as Covanta, is a sustainability-minded company that offers its customers and communities world-leading, end-to-end materials management solutions. 21750 Hoover Road in Warren will assist in providing these solutions to a variety of clients and communities in and around the greater Detroit area and beyond; and,

**WHEREAS**, Reworld wishes to conduct recycling operations for the creation of alternative engineered fuel products, industrial waste treatment, and material processing at the 21750 Hoover Road location; and,

**WHEREAS**, Reworld seeks permits to be issued by the State of Michigan Department of Environment, Great Lakes and Energy authorizing the operation of a solid waste processing and transfer, and a materials utilization facility at the 21750 Hoover Road location; and,

**WHEREAS**, in accordance with Act 451, Part 115, MCL 324.11501 et. Seq., the State of Michigan Department of Environment, Great Lakes and Energy, may issue a construction permit for such a facility only upon written notification that the City of Warren and the County of Macomb approve of the issuance of the required permits; and,

**WHEREAS**, the City of Warren City Council has by resolution dated February 27, 2024, given its approval for the issuance of the necessary permits.

**NOW THEREFORE BE IT RESOLVED**, that in accordance with Act 451, Part 115, the County of Macomb, acting through its Board of Commissioners, authorizes and approves of the issuance by the State of Michigan Department of Environment, Great Lakes and Energy of a construction permit for a solid waste processing and transfer facility and a general permit for a materials utilization facility for the Reworld facility located at 21750 Hoover Road, Warren, Michigan.

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DON BROWN, Board Chair

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ANTHONY G. FORLINI, Clerk/Register of Deeds

**CLERK CERTIFICATION OF  
RESOLUTION NO. 2024-2991**

I hereby certify that the foregoing is a true and complete copy of a resolution duly adopted by the Board of Commissioners of the County of Macomb, Michigan, at a regular meeting held on August 15, 2024 at 3:00 P.M. prevailing Eastern Time, and that said meeting was conducted and public notice of said meeting was given pursuant to and in full compliance with the Open Meetings Act, being Act 267, Public Acts of Michigan, 1976, and that the minutes of said meeting were kept and will be or have been made available as required by said Act.

I further certify that Notice of this meeting was posted pursuant to the requirements of Section 308, Act 34, Public Acts of Michigan, 2001, as amended, not less than 24 hours prior to the meeting.

I further certify that the following Members were present at said meeting: Commissioners Don Brown, Gus Ghanam, Sylvia Grot, Harold L. Haugh, Phil Kraft, Sarah Lucido, Michelle Nard, James M. Perna, Joseph V. Romano, Joe Sabatini, Don VanSyckel, Antoinette Wallace, Barbara Zinner and that the following Members were absent: None.

I further certify that Commissioner Harold L. Haugh moved for adoption of said resolution and that Commissioner Sylvia Grot supported said motion.

I further certify that the following Members voted for adoption of said resolution: Commissioners Don Brown, Gus Ghanam, Sylvia Grot, Harold L. Haugh, Phil Kraft, Sarah Lucido, Michelle Nard, James M. Perna, Joseph V. Romano, Joe Sabatini, Don VanSyckel, Antoinette Wallace, Barbara Zinner, and that the following Members voted against adoption of said resolution: None.

I further certify that the Members voting for adoption of said resolution constitute at least a majority of the total membership of the Board of Commissioners.

Dated: August 15, 2024

  
\_\_\_\_\_  
ANTHONY G. FORLINI, Clerk/Register of Deeds

# Appendix 5

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GENERAL NOTES:

1.

IF DURING THE PROGRESS OF THE WORK THE CONTRACTOR MAY DISCOVER ANY ERROR, INCONSISTENCY OR OMISSION IN THE CONTRACT DOCUMENTS, THE CONTRACTOR SHALL AT ONCE SO REPORT TO THE ARCHITECT/ENGINEER. EXTRAS WILL NOT BE ALLOWED FOR CORRECTION OF PROBLEMS THAT COULD HAVE BEEN AVOIDED BY CAREFUL REVIEW AND THE MINOR ADJUSTMENT OF SIZE AND/OR LOCATION OF VARIOUS ITEMS FOR PROPER FIT. THIS CONTRACTOR IS RESPONSIBLE FOR THE COORDINATION OF HIS WORK WITH THE OTHER CONTRACTORS.
2.

ANY ITEM NOT SPECIFICALLY LISTED OR SHOWN ON THE CONTRACT DOCUMENTS BUT IS INCIDENTAL TO THE COMPLETION OF THE PROJECT OR PACKAGE WILL BE CONSIDERED AS PART OF THE CONTRACT SCOPE OF WORK.
3.

STRUCTURAL DRAWINGS SHALL BE USED IN CONJUNCTION WITH JOB SPECIFICATIONS AND ARCHITECTURAL, MECHANICAL, ELECTRICAL, PLUMBING, AND SITE DRAWINGS. CONSULT THESE DRAWINGS FOR LOCATIONS AND DIMENSIONS OF OPENINGS, CHASES, INSERTS, REGLETS, SLEEVES, DEPRESSIONS, ARCHITECT/ENGINEER BEFORE PROCEEDING WITH THE AFFECTED PART OF THE WORK.
4.

THE STRUCTURE IS DESIGNED TO BE SELF SUPPORTING AND STABLE AFTER THE BUILDING IS COMPLETE. IT IS THE CONTRACTOR'S SOLE RESPONSIBILITY TO DETERMINE ERECTION PROCEDURES AND SEQUENCE TO INSURE THE SAFETY OF THE BUILDING AND ITS COMPONENTS DURING ERECTION. THIS INCLUDES THE ADDITION OF NECESSARY SHORING, SHEETING, TEMPORARY BRACING, GUYS OR TIEDOWNS, FALSEWORK, FORMWORK, AND STAGING. PROVIDE ALL SHORING AND BRACING REQUIRED TO STABILIZE AND PROTECT EXISTING AND ADJACENT STRUCTURES AND SYSTEMS DURING COURSE OF DEMOLITION AND CONSTRUCTION. SUCH MATERIAL SHALL REMAIN THE PROPERTY OF THE CONTRACTOR AFTER COMPLETION OF THE PROJECT. IN THE EVENT THAT THE CONTRACTOR DETERMINES THAT SHEETING OR SHORING IS REQUIRED, THE CONTRACTOR SHALL RETAIN THE SERVICES OF A REGISTERED PROFESSIONAL STRUCTURAL ENGINEER FOR DESIGN AND DOCUMENTATION OF ALL SHEETING, SHORING AND TEMPORARY BRACING REQUIRED FOR THE WORK. IF NOT IN THE ORIGINAL CONTRACT FOR WORK, REVIEW OF ANY ENGINEERED SHEETING, SHORING AND TEMPORARY BRACING REQUIRED WILL BE CONSIDERED ADDITIONAL SCOPE OF WORK AND WILL BE CONSIDERED ADDITIONAL SERVICES.
5.

THE CONTRACTOR IS RESPONSIBLE FOR DETERMINING ALLOWABLE CONSTRUCTION LOADS
6.

DRAWINGS INDICATE GENERAL AND TYPICAL DETAILS OF CONSTRUCTION. WHERE CONDITIONS ARE NOT SPECIFICALLY SHOWN, SIMILAR DETAILS OF CONSTRUCTION SHALL BE USED, SUBJECT TO APPROVAL BY THE ENGINEER.
7.

ALL APPLICABLE FEDERAL, STATE AND MUNICIPAL REGULATIONS SHALL BE FOLLOWED, INCLUDING THE FEDERAL DEPARTMENT OF LABOR OCCUPATIONAL SAFETY AND HEALTH ACT.
8.

SHOULD THE CONTRACTOR SEEK APPROVAL OF A PRODUCT OTHER THAN THE BRAND OR BRAND NAMED IN THESE SPECIFICATIONS, IT SHALL FURNISH WRITTEN EVIDENCE THAT SUCH PRODUCT CONFORMS TO ALL RESPECTS TO THE SPECIFIED REQUIREMENTS, AND THAT IT HAS BEEN USED SUCCESSFULLY ELSEWHERE UNDER SIMILAR CONDITIONS. WHERE THE SPECIFIED REQUIREMENTS INVOLVE CONFORMANCE TO RECOGNIZED CODES OR STANDARDS THE CONTRACTOR SHALL FURNISH EVIDENCE OF SUCH CONFORMANCE IN THE FORM OF TEST OR INSPECTION REPORTS, PREPARED BY A RECOGNIZED AGENCY, AND BEARING AN AUTHORIZED SIGNATURE.
9.

MANUFACTURERS' STANDARD DATA AND CATALOG CUT SHEETS WILL NOT BE CONSIDERED SUFFICIENT IN THEMSELVES, AND THE ENGINEER OF RECORD WILL NOT BE RESPONSIBLE FOR SEEKING FURTHER DATA FROM THE MANUFACTURER, OR FOR OTHERWISE RESEARCHING THE PRODUCT. FAILURE TO PROVIDE COMPLETE DATA WILL RESULT IN THE REJECTION OF THE ENTIRE PRODUCT.
10.

SUBMIT SHOP DRAWINGS IN THE FORM ELECTRONIC PDF FILES. IN NO CASE SHALL REPRODUCTION OF THE CONTRACT DOCUMENTS BE USED AS A SHOP DRAWING. AS A MINIMUM, SUBMIT THE FOLLOWING ITEMS FOR REVIEW:

a.

CONCRETE MIX DESIGNS

b.

REINFORCING STEEL SHOP DRAWINGS

c.

STRUCTURAL STEEL SHOP DRAWINGS

d.

METAL DECK SHOP DRAWINGS

e.

MASONRY REINFORCING ACCESSORIES

f.

WOOD JOIST SHOP DRAWINGS

11.

IF DRAWINGS INDICATE REQUIREMENT(S) FOR SIGNED AND SEALED SHOP DRAWINGS AND SIGNED AND SEALED CALCULATIONS, THEY SHALL BE PROVIDED WITH THE 1ST SUBMISSION TO ENGINEER OF RECORD, OR THEY RISK BEING REJECTED.
12.

SUBMIT SHOP DRAWINGS 12 BUSINESS DAYS (MINIMUM) PRIOR TO DATE THAT RETURNED SHOP DRAWINGS ARE REQUIRED. SHOP DRAWINGS SHALL HAVE THE CONTRACTOR'S STAMP OF APPROVAL PRIOR TO REVIEW BY ENGINEER OF RECORD. THE CONTRACTOR REVIEW/APPROVAL STAMP PROVIDES CERTIFICATION TO THE ENGINEER OF RECORD THAT THE CONTRACTOR HAS VERIFIED ALL FIELD MEASUREMENTS, CONSTRUCTION CRITERIA, MATERIALS AND SIMILAR DATA AND HAS REVIEWED EACH DRAWING FOR COMPLETENESS, COORDINATION AND COMPLIANCE WITH THE CONTRACT DOCUMENTS.
13.

COSTS OF INVESTIGATION AND/OR REDESIGN DUE TO CONTRACTOR ERRORS WILL BE AT THE CONTRACTOR'S EXPENSE
14.

THE ENGINEER HAS NO ONGOING PRESENCE ON THE SITE, NO CONTROL OF ACTIVITIES ON THE SITE, NO SUPERVISORY ROLE AND NO FIELD RESPONSIBILITY FOR SITE SAFETY. THE CONTRACTOR IS RESPONSIBLE FOR SUPERVISION OF THE WORK INCLUDING PERSONNEL PROTECTION IN ACCORDANCE WITH OSHA AND OTHER APPLICABLE REGULATIONS AND PUBLIC PROTECTION IN ACCORDANCE WITH THE REQUIREMENTS OF THE JURISDICTION IN WHICH THE PROJECT IS BEING CONSTRUCTED.
15.

THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROTECTION OF ALL CONDITIONS AND MATERIALS WITHIN THE PROPOSED CONSTRUCTION AREA, THE CONTRACTOR SHALL HAVE THE SOLE RESPONSIBILITY FOR ANY DAMAGE OR INJURIES BY OR DURING THE EXECUTION OF THE WORK.
16.

CONTRACTOR SHALL VERIFY DIMENSIONS AND FIELD CONDITIONS PRIOR TO STARTING WORK. THE ENGINEER SHALL BE NOTIFIED BY THE CONTRACTOR PROMPTLY OF ANY DEVIATION FROM THE PLAN, UNEXPECTED CONDITIONS, OR INCIDENTS INVOLVING INJURY, COLLAPSE, PROPERTY DAMAGE OR VIOLATIONS ISSUED BY GOVERNMENT ENTITIES.

\*\*\* THE ENGINEER OF RECORD IS NOT AND SHALL NOT BE HELD LIABLE FOR SITE SAFTEY ISSUES \*\*\*

FOUNDATION NOTES:

1.

A GEOTECHNICAL EXPLORATION REPORT SHALL BE PREPARED CONTAINING SUBSURFACE DATA AND FOUNDATION/EARTHWORK RECOMMENDATIONS HAS BEEN PREPARED BY XXXXXXXXXXXXXXXXXXXX DATED XXX XX, XXXX. ALL RECOMMENDATIONS CONTAINED IN THE REPORT ARE TO BE CONSIDERED PART OF THE CONTRACT DOCUMENTS.
2.

PRESUMPTIVE BEARING CAPACITY: 3000 PSF (BASED ON OLD SOIL REPORTS)
3.

FOUNDATION DESIGN IS BASED ON SHALLOW SPREAD FOOTINGS BEARING ON SUITABLE NATURAL SOILS AND/OR NEW COMPACTED STRUCTURAL FILL.
4.

ALL ORGANIC MATERIALS, EXCESSIVELY SOFT OR LOOSE SOILS, TREES, ASPHALT, CONCRETE, DEBRIS AND OTHER DELTERIOUS MATERIALS SHOULD BE REMOVED WITHIN AND AT LEAST 5 FEET BEYOND THE BUILDING LIMIT.
5.

PROOF ROLL ALL SUBGRADES, UNDER THE OBSERVATION OF THE GEOTECHNICAL ENGINEER. UNSUITABLE AREAS SHALL BE REMOVED AND REPLACED AS DIRECTED BY THE GEOTECHNICAL ENGINEER. NO FILL FOR BUILDING SUPPORT SHALL BE PLACED UNTIL SUBGRADES AND FILL MATERIAL HAVE BEEN OBSERVED AND APPROVED BY THE GEOTECHNICAL ENGINEER.
6.

AREAS REQUIRING UNDERCUT AND FILL MATERIAL DUE TO THE PRESENCE OF UNSUITABLE MATERIAL SHALL BE BACKFILLED TO THE DESIGN FOOTING SUBGRADE WITH NEW COMPACTED STRUCTURAL FILL.
7.

COMPACTED STRUCTURAL FILL FOR BUILDING SUPPORT UTILIZING MATERIAL APPROVED FOR USE BY THE GEOTECHNICAL ENGINEER INCLUDE: ON-SITE GRANULAR SOILS INCLUDING GW, GP, GM, SW, SP AND SM CLASSIFIED IN ACCORDANCE WITH THE UNIFIED SOIL CLASSIFICATION SYSTEM (USCS). FURTHERMORE, THE MATERIAL TO BE UTILIZED AS STRUCTURAL FILL SHOULD HAVE A PLASTIDITY INDEX LESS THAN 2 SUBJECT TO FINAL APPROVAL BY GEOTECHNICAL ENGINEER.
8.

MATERIAL TRANSPORTED FROM OFF-SITE SHALL MEET THE REQUIREMENTS OF GEOTECHNICAL REPORT.
9.

SLABS ON GRADE MAY BE SUPPORTED ON FIRM SUITABLE NATURAL SOILS, OR ON COMPACTED STRUCTURAL FILL FOLLOWING STRIPPING OF TOPSOIL, VEGETATION, ASPHALT AND ANY SOFT OR DISTURBED SOILS WITHIN THE BUILDING AREA. A SIX INCH WASHED GRAVEL OR CRUSHED STONE LAYER CORRESPONDING TO ASHTO SIZE NO. 57 AGGREGATE SHOULD BE USED BENEATH ALL FLOOR SLABS ON GRADE.
10.

COMPACTED STRUCTURAL FILL BENEATH ALL FOUNDATIONS, SLABS ON GRADE AND ADJACENT TO FOUNDATION WALLS SHALL BE PLACED IN LIFTS NOT EXCEEDING 8 INCHES IN LOOSE THICKNESS AND BE COMPACTED TO 95 PERCENT OF MAXIMUM DRY DENSITY PER ASTM D-1557, MODIFIED PROCTOR TEST.
11.

BACKFILL IMMEDIATELY BEHIND BASEMENT WALLS SHOULD BE CLEAN, GRANULAR MATERIAL CONTAINING LESS THAN TEN (10) PERCENT PASSING THE NO. 200 SIEVE (0.075MM). IN ADDITION, THE COMPACTION BEHIND THESE WALLS SHOULD BE NINETY-FIVE (95) PERCENT OF THE MODIFIED PROCTOR MAXIMUM DRY DENSITY IN ACCORDANCE WITH ASTM D-1557. EXCESSIVE COMPACTION MAY CAUSE DAMAGE TO THE WALLS. HAND OPERATED EQUIPMENT SHOULD BE USED FOR COMPACTION NEAR EXISTING AND NEW FOUNDATION WALLS. BACKFILL AGAINST NEW FOUNDATION WALLS ONLY AFTER FIRST FLOOR IS IN PLACE OR ADEQUATE BRACING HAS BEEN PROVIDED. CONCRETE FLOOR SLABS SHALL HAVE CURED 7 DAYS MINIMUM PRIOR TO BACKFILLING.
12.

THE EXCAVATION FOR PLACEMENT OF COMPACTED STRUCTURAL FILL SHOULD EXTEND BEYOND THE EDGE OF FOOTINGS A MINIMUM DISTANCE EQUAL TO THE DEPTH OF FILL.
13.

EXTEND BOTTOM OF EXTERIOR FOOTINGS AT LEAST 3.0 FEET BELOW THE EXTERIOR FINISH GRADE FOR PROTECTION AGAINST FROST.
14.

ALL SUBGRADES AND UNDERCUTS SHALL BE APPROVED BY THE GEOTECHNICAL ENGINEER. SOILS EXPOSED AT THE BASES OF ALL APPROVED FOUNDATION EXCAVATIONS SHOULD BE PROTECTED AGAINST ANY DETRIMENTAL CHANGE IN CONDITION, SUCH AS DISTURBANCE FROM RAIN OR FROST. SURFACE RUNOFF SHOULD BE DRAINED AWAY FROM THE EXCAVATIONS AND NOT BE ALLOWED TO FLOOD. FOUNDATION EXCAVATIONS SHO BE PROTECTED FROM RAINFALL OR FREEZING CONDITIONS. SLOPE FOOTING EXCAVATIONS AS REQUIRED FOR STABILITY AND SAFETY OR PROVIDE SHEETING OR SHORING IN ACCORDANCE WITH OSHA REQUIREMENTS. IN THE EVENT THAT THE CONTRACTOR DETERMINES THAT SHEETING OR SHORING IS REQUIRED FOR EXCAVATION, THE CONTRACTOR SHALL RETAIN THE SERVICES OF A REGISTERED PROFESSIONAL STRUCTURAL ENGINEER FOR DESIGN AND DOCUMENTATION OF ALL SHEETING AND SHORING REQUIRED FOR THE WORK.

CONCRETE NOTES

1.

ALL CONCRETE WORK SHALL CONFORM TO ACI 318 (LATEST EDITION).
2.

CONCRETE COMPRESSIVE STRENGTH AT 28 DAYS SHALL BE:

a.

FOUNDATIONS: 4000 PSI

b.

SLABS ON GRADE: 4000 PSI
- ALL CONCRETE SUBJECT TO FREEZE/THAW CYCLE SHALL BE AIR-ENTRAINED.
3.

CONCRETE SHALL NOT BE PLACED IN WATER OR ON FROZEN GROUND.
4.

REINFORCING BARS SHALL CONFORM TO ASTM A615, GRADE 60 DEFORMED BARS AND SHALL BE DETAILED, FABRICATED AND PLACED IN ACCORDANCE WITH ACI 315, LATEST EDITION. WELDED WIRE FABRIC SHALL CONFORM TO ASTM A-185 AND BE PROVIDED IN FLAT SHEETS.
5.

COMPLETE SHOP DRAWINGS AND SCHEDULES OF ALL REINFORCING STEEL SHALL BE PREPARED BY THE CONTRACTOR AND SUBMITTED TO THE ENGINEER FOR REVIEW.
6.

REINFORCEMENT SHALL BE CONTINUOUS AROUND CORNERS AND AT INTERSECTIONS. PROVIDE CLASS "A" TENSION LAP SPLICES FOR ALL HORIZONTAL WALL REINFORCING UNLESS OTHERWISE SHOWN ON PLAN. PROVIDE CLASS "B" TENSION LAP SPLICES FOR ALL HORIZONTAL GRADE BEAM REINFORCING.
7.

CLEARANCES FOR REINFORCEMENT:

a.

CONCRETE PLACED DIRECTLY ON EARTH, FOOTINGS: 3"

b.

SLABS, FROM TOP UNLESS OTHERWISE NOTED: 1"

c.

FORMED SURFACES EXPOSED TO WEATHER OR EARTH:

#5 BAR OR SMALLER: 1 1/2"

#6 BAR OR LARGER: 2"
8.

FOR ALL OPENINGS IN CONCRETE WALLS AND SLABS, PROVIDE SUPPLEMENTAL REINFORCING AROUND OPENING AS SHOWN ON THE CONTRACT DOCUMENTS.
9.

CONTROL JOINTS IN SLABS-ON-GRADE: SEE SPECIFICATIONS.

a.

CONTROL JOINTS SHALL BE LOCATED AS SHOWN ON SLAB-ON-GRADE PLAN.

b.

CONTROL JOINTS SHALL BE SAW CUT (1INCH THE SLAB DEPTH) AND FILLED WITH JOINT SEALER. CUT JOINTS AS SOON AS POSSIBLE WITHOUT FRAYING THE CONCRETE SURFACE.

c.

CONSTRUCTION JOINTS SHALL INCLUDE A 1"x2" SHEAR KEY AT MID-HEIGHT OF SLAB.

d.

CONTROL JOINTS IN WALLS SHALL NOT EXCEED 40'-0" ON CENTER. NOR 15'-0" FROM ANY CORNER.
- CONTROL JOINTS SHALL BE LOCATED BY CONTRACTOR IN ACCORDANCE WITH ACI CRITERIA, MAXIMUM SPACINGS AS PER TYPICAL SLAB ON GRADE DETAILS AND TYPICAL CONTROL JOINT LOCATION DETAILS (U.N.O.). MINIMUM CONTROL JOINT DEPTHS ARE INDICATED ON TYPICAL CONTROL JOINT DETAILS. CONTROL JOINTS WHICH ARE NOT PROMPTLY OR PROPERLY CUT AND ARE NOT FUNCTIONING SHALL BE RECUT BY THE CONCRETE CONTRACTOR. RECUTS OF JOINTS WHICH WERE NOT PROMPTLY OR PROPERLY CUT SHALL BE 1" DEEP MINIMUM.
10.

THE FINISH TOLERANCE OF ALL SLABS SHALL BE IN ACCORDANCE WITH ACI 302 AND THAT SPECIFIED ON THE CONTRACT DOCUMENTS. SEE SPECIFICATIONS FOR FINISHING.
11.

ANCHOR BOLTS SHALL CONFORM TO ASTM F1554 GR. 55 UNLESS NOTED OTHERWISE.
12.

LAP ALL BARS MINIMUM 40 DIAMETERS. LAP ALL WWF A MINIMUM OF 6 INCHES.
13.

UNLESS OTHERWISE APPROVED ALL REINFORCEMENT SHALL BE BLOCKED INTO POSITION WITH PRECAST CONCRETE BLOCKS HAVING A MINIMUM COMPRESSIVE STRENGTH EQUAL TO THAT OF THE SLAB OR FOUNDATION SYSTEM.
14.

IN ORDER TO AVOID CONCRETE SHRINKAGE CRACKING, PLACE CONCRETE SLABS IN ALTERNATING LANE PATTERN. THE MAXIMUM LENGTH OF SLAB CAST IN ANY ONE CONTINUOUS POUR IS RECOMMENDED TO BE LESS THAN 100 FEET.
15.

PROVIDE GALVANIZED STEEL SLEEVES WHERE PIPES PASS THROUGH EXTERIOR CONCRETE WALLS, BEAMS OR SLABS. PROVIDE PVC SLEEVES WHERE PIPES PASS THROUGH INTERIOR CONCRETE WALLS, BEAM OR SLABS (UNLESS NOTED OTHERWISE).
16.

DO NOT PLACE UNDERGROUND UTILITIES OR PIPES BELOW FOOTINGS. IF ANY SUCH CONDITIONS OCCUR, NOTIFY THE ENGINEER IMMEDIATELY AND DROP THE BOTTOM OF FOOTING ELEVATION IN ACCORDANCE WITH THE TYPICAL STEP FOOTING AT PIPE CROSSING DETAIL IN ORDER TO CLEAR THE PIPE.
17.

PROVIDE FOR ANY DEWATERING AS REQUIRED DURING EXCAVATION AND CONSTRUCTION OF THE FOUNDATION SYSTEM.

STEEL NOTES:

1.

STRUCTURAL STEEL FABRICATION, ERECTION, AND CONNECTION DESIGN SHALL CONFORM TO:

a.

AISC "SPECIFICATION FOR STRUCTURAL STEEL BUILDINGS" ANSI/AISC 360-10 OR (05) (PART 16 OF AISC "STEEL CONSTRUCTION MANUAL")

b.

AISC "STEEL CONSTRUCTION MANUAL", 13TH EDITION (14TH EDITION)

c.

AISC "DETAILING FOR STEEL CONSTRUCTION", 3RD EDITION
2.

ALL WELDING SHALL CONFORM TO:

a.

"STRUCTURAL WELDING CODE – STEEL", AWS D1.1 – LATEST EDITION

b.

"STRUCTURAL WELDING CODE – SHEET STEEL" AWS D1.3 – LATEST EDITION
2.

ALL STEEL SHALL CONFORM TO THE FOLLOWING ASTM SPECS:

a.

CHANNELS, ANGLES, PLATES & BARS: ASTM A36, Fy = 36 KSI

b.

HOLLOW STRUCTURAL SECTIONS: ASTM A500 GR. B, Fy = 46 KSI

c.

WELDING ELECTRODES: AWS A5.1 OR A5.5, E70XX

d.

ANCHOR RODS: ASTM F1554 GR 36, U.N.O. ASTM F1554 GR. 55 (SECTION S1 WELDABILITY SUPPL.) ASTM F1554 GR. 105 (WHERE NOTED)

e.

HIGH STRENGTH BOLTS: ASTM A325, U.N.O., ASTM 490 (WHERE NOTED)
3.

STRUCTURAL STEEL DAMAGED DURING WELDING SHALL BE REPLACED OR REPAIRED IN A MANNER THAT IS ACCEPTABLE TO THE ENGINEER OF RECORD.
4.

ALL WELDERS RETAINED BY THE CONTRACTOR SHALL HAVE NON-EXPIRED (CURRENT) EVIDENCE OF PASSING THE APPROPRIATE AWS QUALIFICATIONS TEST AND PROVIDE EVIDENCE UPON THE REQUEST OF THE ENGINEER OF RECORD, AT ANYTIME.
5.

THE GENERAL CONTRACTOR SHALL PROMPTLY NOTIFY THE ENGINEER OF RECORD OF ANY ERECTION, FABRICATION OR INSTALLATION ERRORS OR CONDITIONS OF NON-CONFORMANCE TO THE CONSTRUCTION DRAWINGS. THE GENERAL CONTRACTOR SHALL NOT PROVIDE ANY FIELD CORRECTIONS PRIOR TO A WRITTEN APPROVAL FROM THE ENGINEER OF RECORD.
6.

AT ALL COMPOSITE STEEL FLOOR FRAMING, THE CONCRETE SLAB SHALL REACH THEIR MINIMUM DESIGN COMPRESSIVE STRENGTH PRIOR TO THE APPLICATION OF SUPERIMPOSED LOADS.
7.

ALL STEEL NOT RECEIVING FIREPROOFING SHALL BE PAINTED WITH THE FABRICATOR'S RUST INHIBITIVE PRIMER. ALL PRIMER THAT IS DAMAGED IN THE FIELD AND ALL FIELD WELDS SHALL BE TOUCHED UP WITH FIELD APPLIED PRIMER.
8.

ALL STEEL RECEIVING FIREPROOFING SHALL NOT BE PRIMED. REFER TO ARCHITECTURAL DRAWINGS FOR STEEL THAT IS TO BE FIREPROOFED.
9.

ALL STRUCTURAL STEEL (INCLUDING BUT NOT LIMITED TO ANCHOR BOLTS, BOLTS, OTHER HARDWARE) EXPOSED TO WEATHER OR IN UNHEATED SPACES SHALL BE HOT DIPPED GALVANIZED AFTER FABRICATION. SEE ARCHITECTURAL DRAWINGS AND SPECIFICATIONS FOR PAINTING REQUIREMENTS. HOT DIPPED GALVANIZATION SHALL BE PER ASTM A123. ALL GALVANIZED SURFACES DAMAGED DURING CONSTRUCTION SHALL BE REPAIRED USING A GALVANIZING REPAIR PAINT IN ACCORDANCE WITH ASTM A780. GALVANIZING PAINT SHALL HAVE 95% ZINC BY WEIGHT. THICKNESS OF APPLIED GALVANIZING REPAIR PAINT SHALL BE NO LESS THAN THE COATING THICKNESS REQUIRED BY ASTM A123 OR A153 AS APPLICABLE.
10.

BOLTS AND FIELD WELDS INSTALLED ON FACTORY FINISH-PAINTED STRUCTURAL STEEL SHALL BE FIELD PAINTED WITH THE SAME PAINTING SYSTEM. THE FIELD APPLIED PAINT SHALL BE APPLIED IN A MANNER SUCH THAT IT CAN NOT BE DIFFERENTIATED FROM THE FACTORY FINISH-PAINTED STRUCTURAL STEEL FROM A DISTANCE OF FIVE FEET.
11.

FIELD CONNECTIONS SHALL BE BOLTED USING 3/4" DIAMETER (MINIMUM) ASTM A325N HIGH STRENGTH BOLTS (MINIMUM) UNLESS NOTED OTHERWISE.
12.

THE MINIMUM SIZE OF ALL FILLET WELDS SHOWN ON DRAWINGS SHALL BE IN ACCORDANCE WITH TABLE J2.4 OF AISC "STEEL CONSTRUCTION MANUAL", UNLESS NOTED OTHERWISE.
13.

ALL STRUCTURAL STEEL CONNECTIONS, OTHER THAN THOSE CONNECTIONS IDENTIFIED ON THE DRAWINGS AS "FULLY DESIGNED", SHALL BE DESIGNED BY A LICENSED PROFESSIONAL ENGINEER WORKING FOR THE FABRICATOR, LICENSED IN THE JURISDICTION IN WHICH THE PROJECT IS LOCATED. CONNECTIONS SHALL BE DESIGNED IN ACCORDANCE WITH AISC "SPECIFICATION FOR STRUCTURAL JOINTS" USING ASTM A325 OR A490 BOLTS AND "AISC CODE OF STANDARD PRACTICE FOR STEEL BUILDINGS AND BRIDGES". PROVIDE SIGNED AND SEALED SHOP DRAWINGS AND CONNECTION CALCULATIONS / TABLES.
14.

MOMENT CONNECTIONS, INCLUDING GRAVITY MOMENT CONNECTIONS, FLEXIBLE MOMENT CONNECTIONS (FMC) AND FULLY RESTRAINED (FR) CONNECTIONS ARE DELEGATED DESIGN. THE DESIGN IS THE RESPONSIBILITY OF THE CONTRACTOR AND SHALL BE PERFORMED BY THE CONTRACTOR'S QUALIFIED PROFESSIONAL ENGINEER. THE CONTRACTOR'S ENGINEER SHALL SUBMIT COMPREHENSIVE ENGINEERED DESIGN CALCULATIONS, SIGNED AND SEALED BY A PROFESSIONAL ENGINEER IN THE COMMONWEALTH OF THE CONSTRUCTION PRIOR TO SUBMITTAL OF PIECE SHOP DRAWINGS. NO EXCEPTIONS!

ABBREVIATIONS			
AB	ANCHOR BOLT	INFO	INFORMATION
ABT	ABOUT	INS	INSIDE
ADD'L	ADDITIONAL	INTER	INTERSECTION
ALT	ALTERNATE	JT	JOINT
B.PLT	BASE PLATE	LBB	LONG LEG BACK TO BACK
B/B.PLT	BOTTOM OF BASE PLATE	LH	LONG LEG HORIZONTAL
BS	BOTH SIDES	LLV	LONG LEG VERTICAL
BCD	BOLT CIRCLE DIAMETER	MC	MOMENT CONNECTION
BCR	BOLT CIRCLE RADIUS	NOM	NOMINAL
BC	BOLTED CONNECTION	NS	NEAR SIDE
BM	BEAM	NTS	NOT TO SCALE
BOT	BOTTOM	OPNG	OPENING
BRGC	BRACING	PLCS	PLACES
CHKD PLT	CHECKERED PLATE	PLT	PLATE
CO	CUTOUT	PLTF	PLATFORM
COL	COLUMN	PROJ	PROJECTION
CONN	CONNECTION	RAD	RADIUS
CONST	CONSTRUCTION	REF	REFERENCE
CONT	CONTINUOUS	REM	REMOVABLE
CS	CARBON STEEL	REINF	REINFORCING
DIA	DIAMETER	REQD	REQUIRED
DIAG	DIAGONAL	SCH	SCHEDULE
DIM	DIMENSION	SIM	SIMILAR
DN	DOWN	SL	SHIP LOOSE
DWG	DRAWING	SPCG	SPACING
EA	EACH	SQ	SQUARE
EF	EACH FACE	SS	STAINLESS STEEL
ES	EACH SIDE	STD	STANDARD
EW	EACH WAY	SPT	SUPPORT
EL	ELEVATION	STIFF PLT	STIFFENER PLATE
EXIST	EXISTING	SYM	SYMMETRICAL
FAB	FABRICATE	THK	THICK
FS	FAR SIDE	T.PLT	TOE PLATE
FLG	FLANGE	T/C	TOP OF CONCRETE
FTG	FOOTING	T/P	TOP OF PLATE
FDN	FOUNDATION	T/S	TOP OF STEEL
GA	GAGE	T/W	TOP OF WALL
GALV	GALVANIZED	T&B	TOP & BOTTOM
GR	GRAB RAIL	TYP	TYPICAL
GRTG	GRATING	UON	UNLESS OTHERWISE NOTED
HDG	HOT DIP GALVANIZED	VERT	VERTICAL
HR	HANDRAIL / GUARDRAIL	WC	WELDED CONNECTION
HORIZ	HORIZONTAL	WP	WORK POINT

DRAWING LIST	
DWG #	TITLE
S1	NOTES & DRAWING LIST
S2	OVERALL PLAN
S3	VAULT PART PLAN DETAIL & SECTIONS
S4	VAULT PART PLAN DETAIL & SECTIONS

OWNER:

STRUCTURAL ENGINEER:

EXL Structural Consultants LLC

1 Blue Hill Plaza, Suite 1501, 1st Floor  
Pearl River, NY 10965  
Tel.: (201) 561-4911  
Email: [raj@exlengineers.com](mailto:raj@exlengineers.com)

SEAL & SIGNATURE:

RAJ EKHALIKAR



MI PROFESSIONAL ENGINEER  
NO 6201063110

ARCHITECTURAL ENGINEER :

0	ISSUED FOR CONSTRUCTION	06.14.2024	RM
No.	Revision	Date	By

PROJECT:

Reworld

Reworld Solution LLC.  
21750 Hoover Rd,  
Warren, MI.

DRAWING TITLE:

Date:

04.05.2024

Scale:

1/4" = 1'-0"

Project No.:

24-020

Drawn By:

RM

Drawing No.:

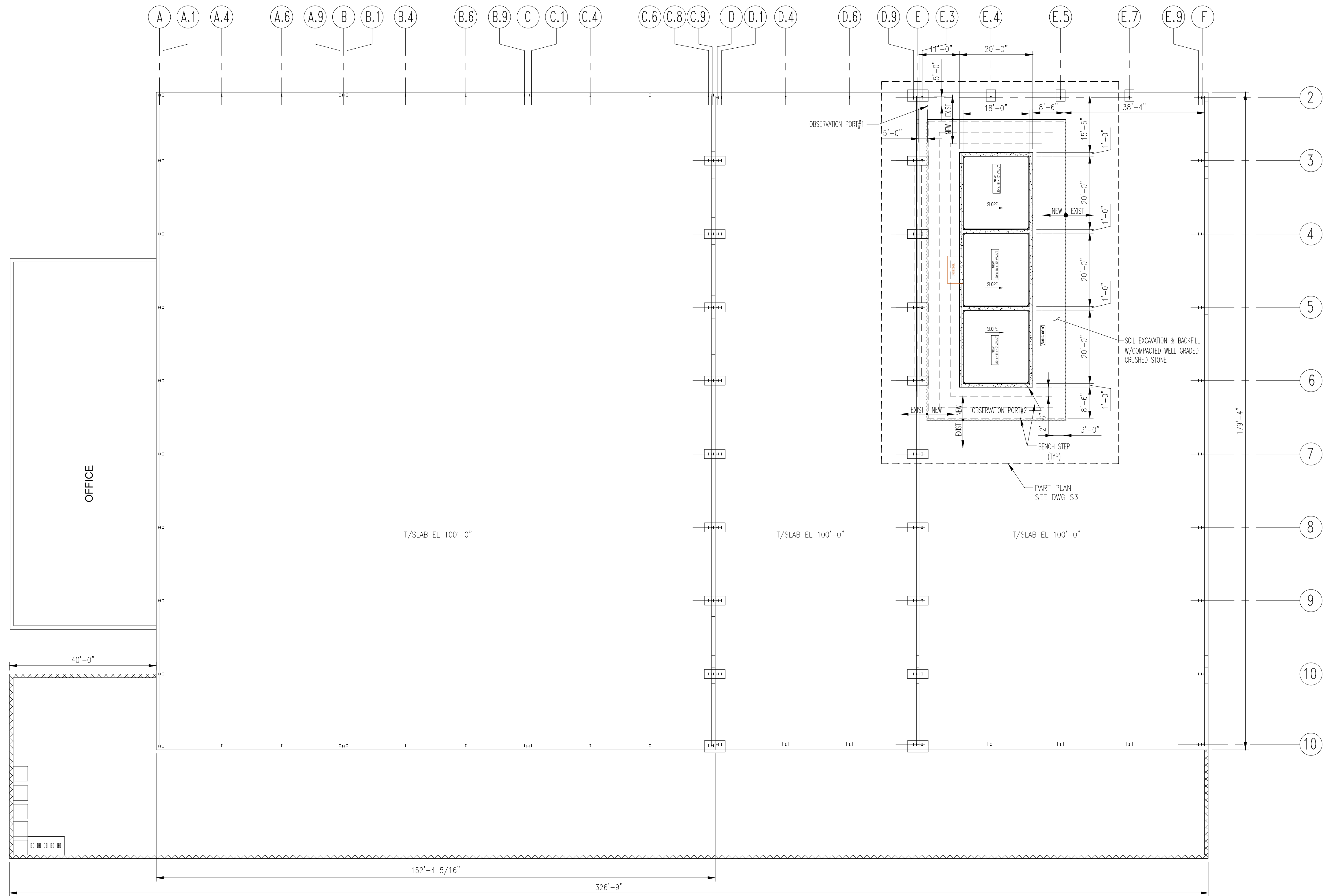
S1

Page:

1 OF 4

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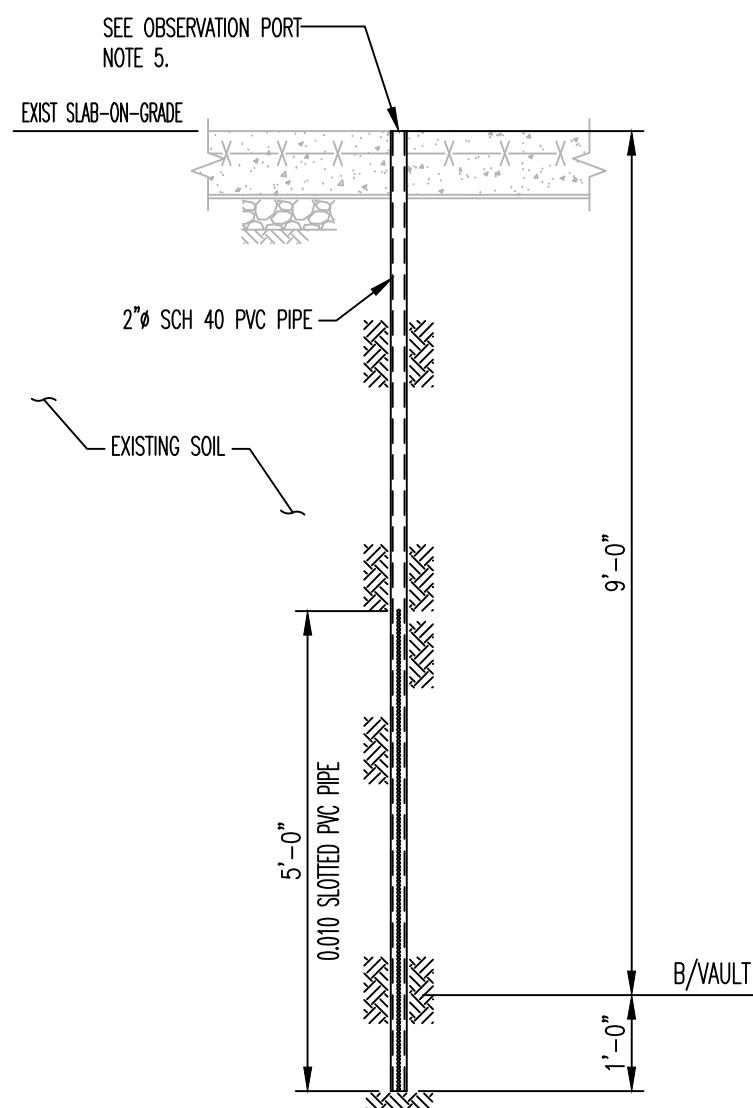
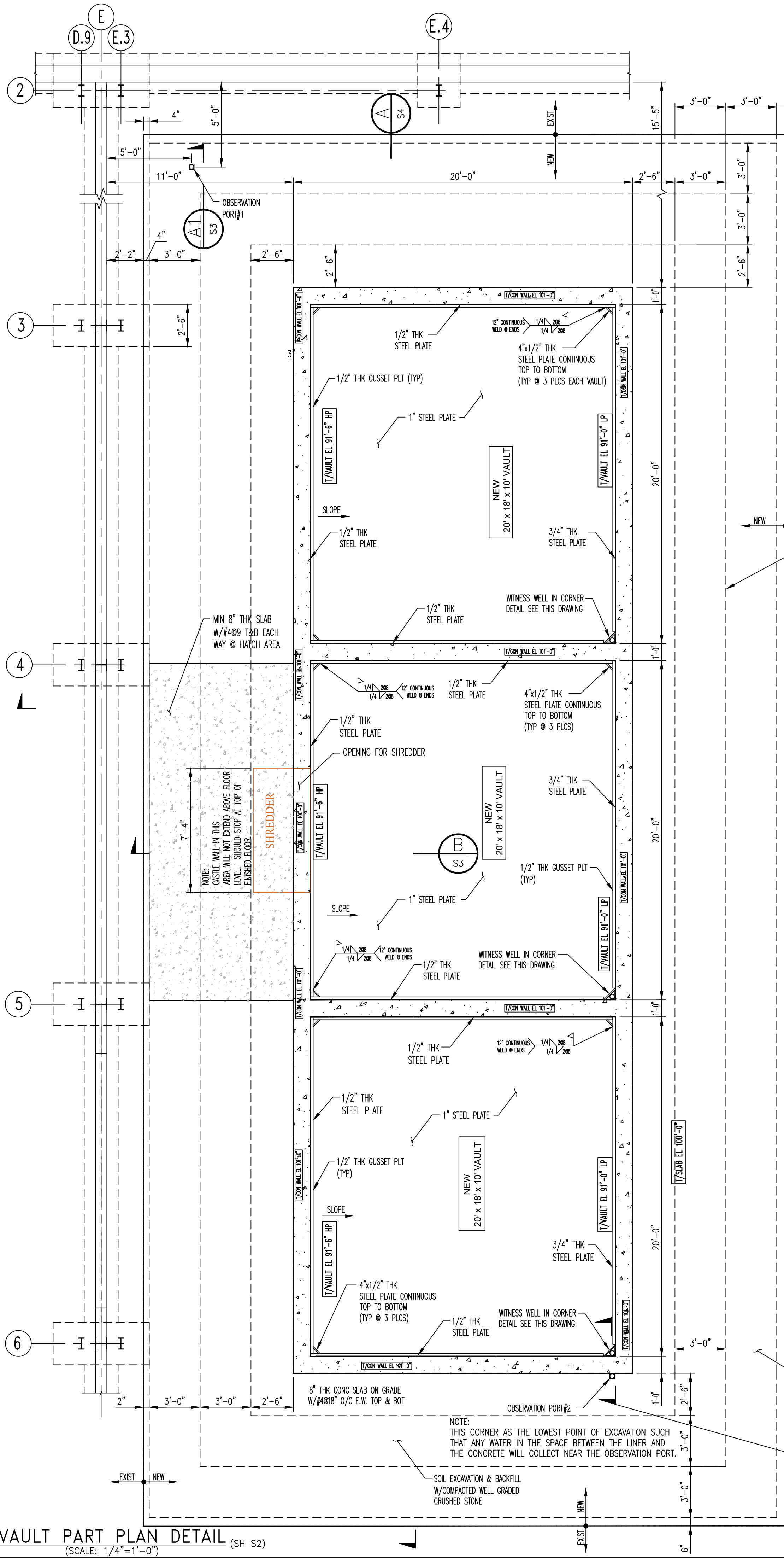
OVERALL PLAN  
(SCALE: 1/16"=1'-0")

NOTES:

1. FOR GENERAL NOTES SEE DWG S1

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STRUCTURAL ENGINEER:			
EXL Structural Consultants LLC			
1 Blue Hill Plaza, Suite 1501, 1st Floor Pearl River, NY 10965 Tel.: (201) 561-4911 Email: raj@exlengineers.com			
SEAL & SIGNATURE:			
RAJ EKHALIKAR			
			
MI PROFESSIONAL ENGINEER NO 6201063110			
ARCHITECTURAL ENGINEER:			
0	ISSUED FOR CONSTRUCTION	06.14.2024	RM
No.	Revision	Date	By
PROJECT: <b>Reworld</b>			
Reworld Solution LLC.			
21750 Hoover Rd,			
Warren, MI.			
DRAWING TITLE:			
OVERALL PLAN			
Date:	04.05.2024	Scale:	1/16" = 1'-0"
Project No.:	24-020		
Drawn By:	RM		
Drawing No.:	S2		
Page:	2 OF 4		

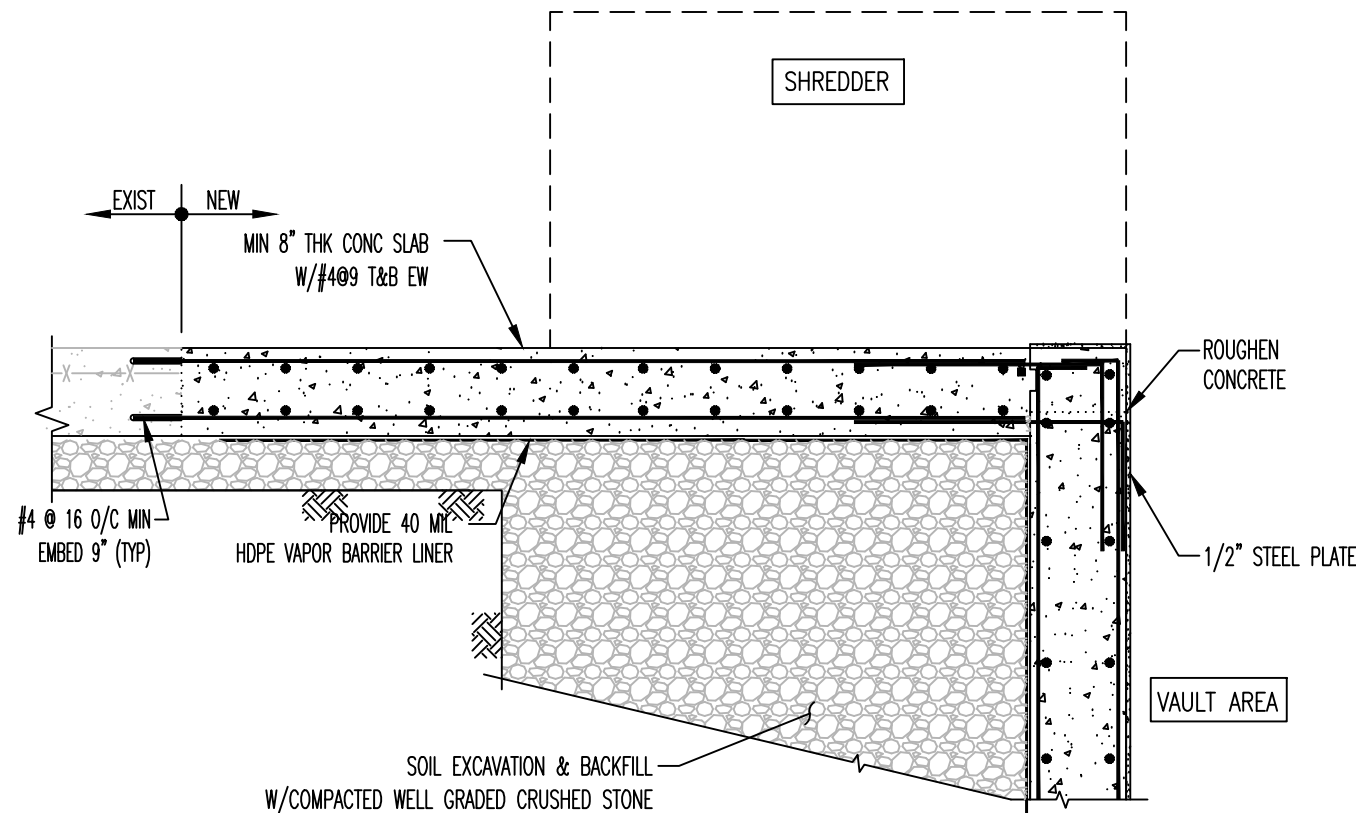
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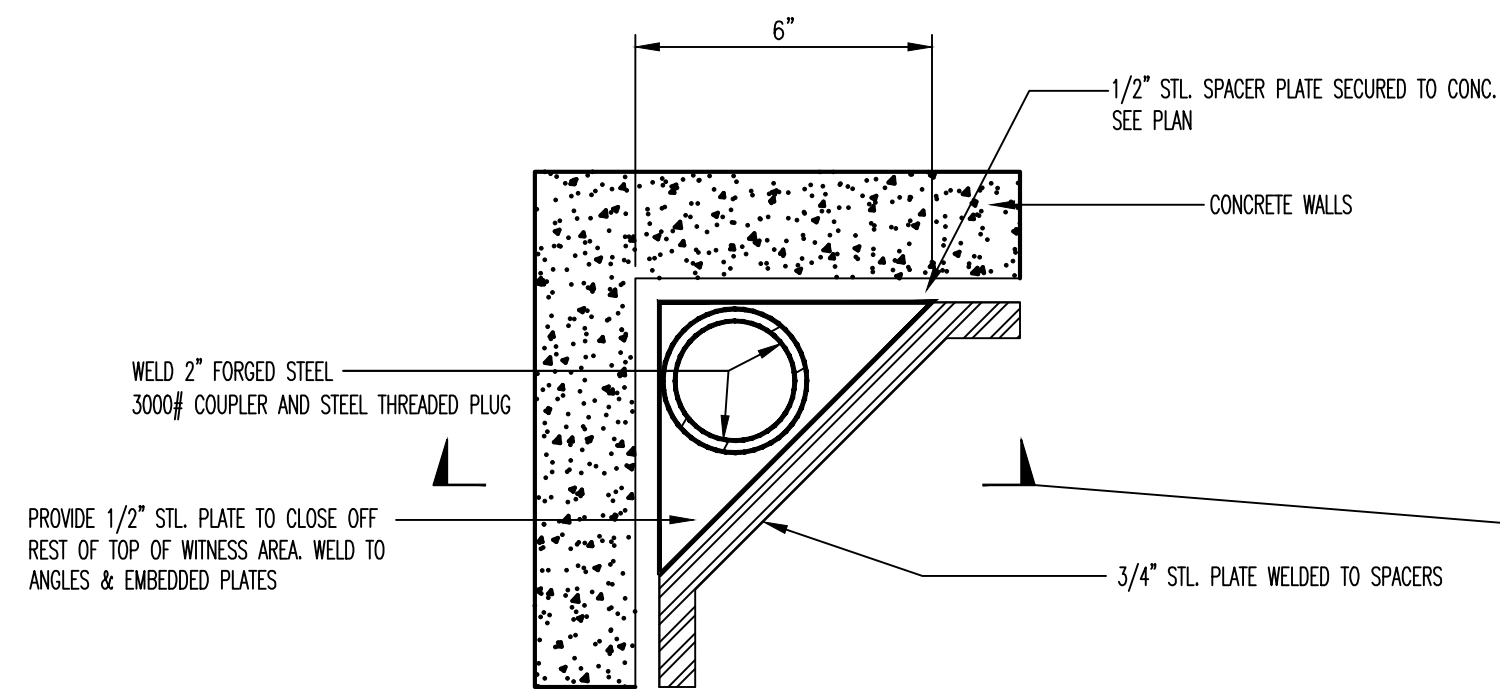
### EXTERNAL OBSERVATION PORT SECTION-A1

### EXTERNAL OBSERVATION PORT-1 NOTES

1. DRILLED OBSERVATION PORT WILL BE CONSTRUCTED OF 2-INCH SCHEDULE 40 POLYVINYL CHLORIDE (PVC) RISER PIPE AFFIXED WITH A 5-FOOT-LONG PVC (0.010 SLOT) SCREEN.
2. THE BOTTOM OF THE PIEZOMETER SCREEN WILL BE SET ON TOP OF THE CLAY UNIT TO MONITOR FOR THE PRESENCE OF PERCHED GROUNDWATER. THE PIPE WILL EXTEND 12\"/>

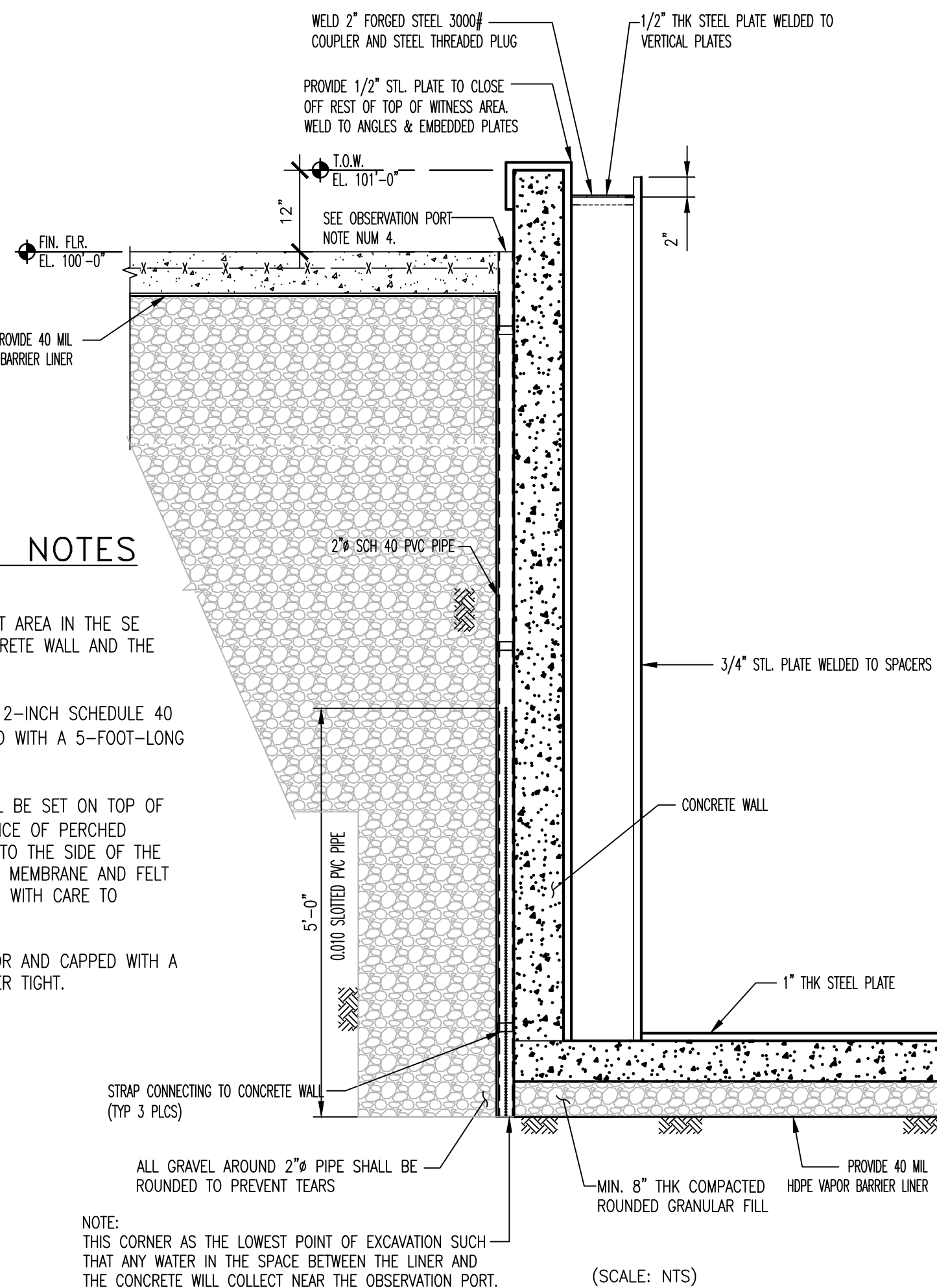


### SECTION B (S3)



### WITNESS WELL DETAIL

(SCALE: NTS)



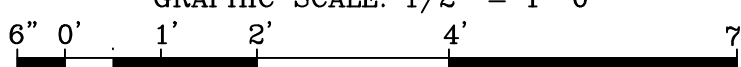
### WITNESS WELL SECTION

(SCALE: NTS)

### NOTES:

1. FOR GENERAL NOTES SEE DWG S1

GRAPHIC SCALE: 1/2" = 1'-0"



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STRUCTURAL ENGINEER:  
**EXL Structural Consultants LLC**  
1 Blue Hill Plaza, Suite 1501, 1st Floor  
Pearl River, NY 10965  
Tel.: (201) 561-4911  
Email: raj@exlengineers.com

SEAL & SIGNATURE:  
RAJ EKHALIKAR  
STATE OF MICHIGAN  
Professional Engineer  
License No. 6201063110  
MI PROFESSIONAL ENGINEER  
NO 6201063110

ARCHITECTURAL ENGINEER:			
0	ISSUED FOR CONSTRUCTION	06.14.2024	RM
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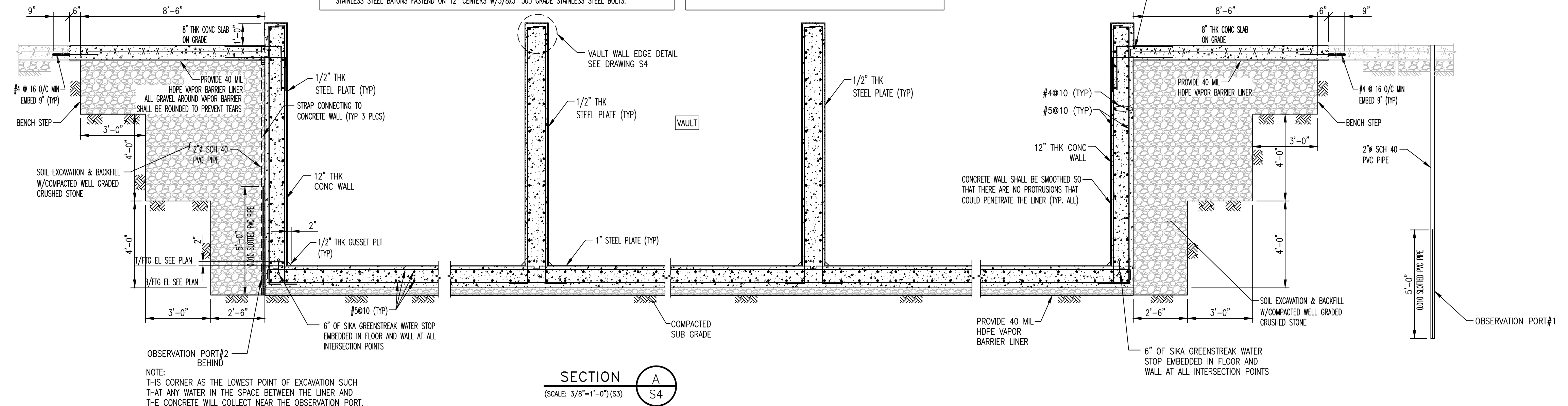
PROJECT: **Reworld**  
**Reworld Solution LLC.**  
21750 Hoover Rd,  
Warren, MI.

DRAWING TITLE:  
**VAULT PART PLAN DETAIL & SECTIONS**

Date: 04.05.2024 Scale: 1/2" = 1'-0"  
Project No.: 24-020  
Drawn By: RM  
Drawing No.: **S3**  
Page: 3 OF 4

1. VAULT TO BE ENGAGED WITH A SECONDARY CONTAMINANT LINER.
2. LINER TO BE 40 MIL HOPE
3. LINER SHALL BE PLACED BENEATH THE VAULT BOTTOM SLAB, W/8 0Z/SL, GEOTEXTILE ON ALL SIDES.
4. THE LINER SHALL BE RAVEN 40 MIL.
5. GEOTEXTILE SHALL BE MIBFI 180N
6. GEOTEXTILE SHALL BE PLACED UNDER AND OVER LINER ON BOTTOM SUCH THAT THE LINER EXTEND BEYOND THE EDGE OF THE SLAB A MIN. 12" AT ALL LOCATIONS. GREAT CARE SHALL BE TAKEN TO INSURE THAT NO DAMAGE OCCURS TO THE LINER. ANY DAMAGE THAT DOES OCCUR SHALL BE REPAIRED BEFORE WORK PROCEEDS.
7. THE WALL PORTION OF THE LINER SHALL BE FASTENED TO THE STRUCTURE W/ 1/4" X 2" 304 GRADE STAINLESS STEEL BATONS FASTENED ON 12" CENTERS @ 3/8x3/32 304 GRADE STAINLESS STEEL BOLTS.

1. CONCRETE AT VAULT & CONTAINMENT AREAS SLABS AND WALLS TO CONTAIN XYPEX WATERPROOFING AD MIXTURE AT MANUF. RECOM. DOSAGE. G.C. TO SEAL CONCRETE WALLS & VAULT FLOOR W/ SEALANT SUPPLIED BY OWNER.
2. WALL BETWEEN VAULTS SAME AS PERIMETER WALL W/ STEEL PLATE EA. SIDE.
3. PROVIDE RUBBER WATER STOPS @ ALL JOINTS.



2. VAULT TO BE ENCASED WITH A SECONDARY CONTAINMENT LINER.

3. LINER TO BE 40 MIL HOPE

4. THE LINER SHALL BE PLACED BENEATH THE VAULT BOTTOM SLAB, W/8 OZ/SI, GEOTEXTILE ON ALL SIDES.

5. LINER SHALL BE RAVEN 40 MIL.

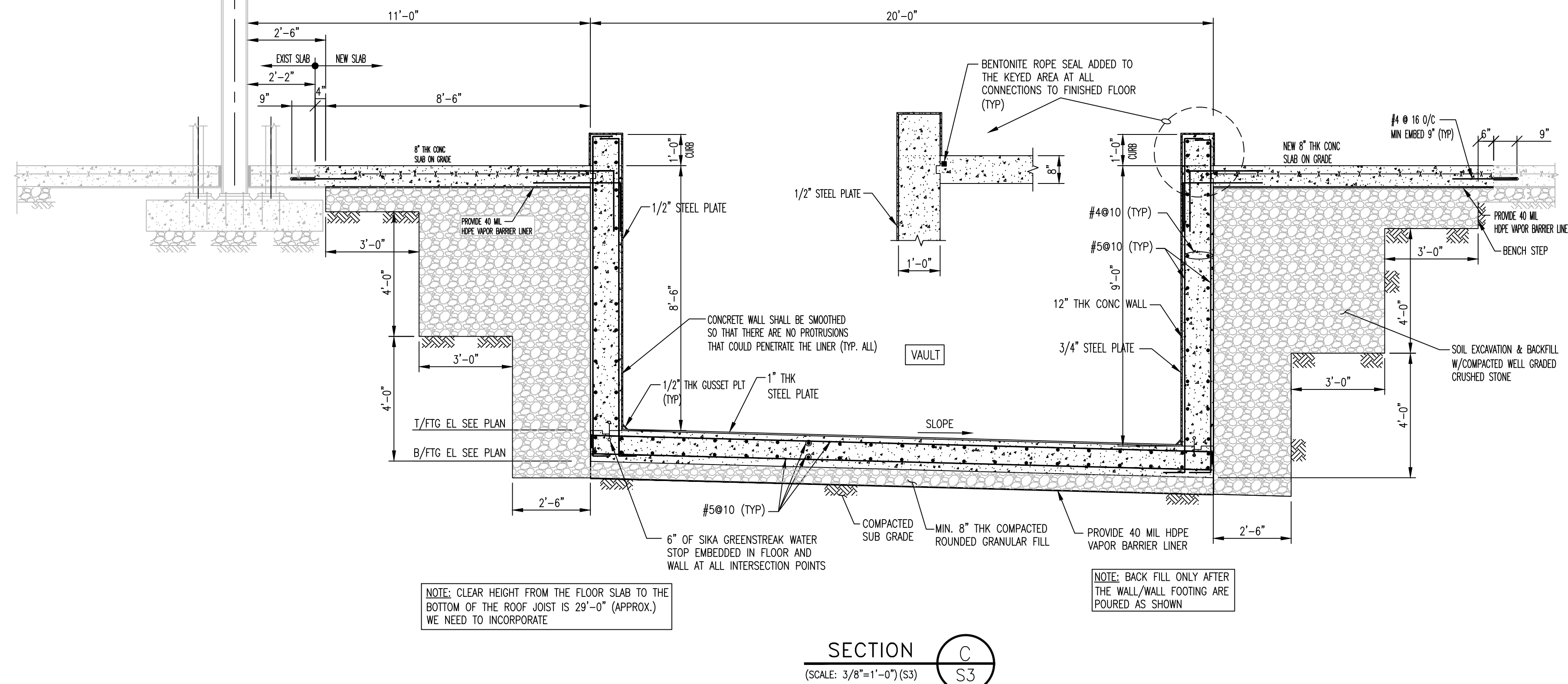
6. GEOTEXTILE SHALL BE MIBRI 180N

7. GEOTEXTILE SHALL BE PLACED UNDER AND OVER LINER ON BOTTOM SUCH THAT THE LINER EXTEND BEYOND THE EDGE OF SLAB 1/4 MIN. AT ALL LOCATIONS. GREAT CARE SHALL BE TAKEN TO INSURE THAT NO DAMAGE OCCURS TO THE LINER ANY DAMAGE THAT DOES OCCUR SHALL BE REPAIRED BEFORE WORK PROCEEDS.

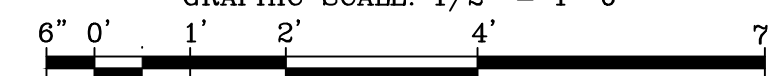
8. THE WALL PORTION OF THE LINER SHALL BE FASTENED TO THE STRUCTURE W/ 1/4" x 2" 304 GRADE STAINLESS STEEL BATONS FASTENED ON 12" CENTERS W/ 3/8x3/32" 304 GRADE STAINLESS STEEL BOLTS.

9. THE WALL SECTION AND THE LINER SECTION SHALL BE CONTINUOUS WELDED.

1. CONCRETE AT VAULT & CONTAINMENT AREAS SLABS AND WALLS TO CONTAIN XYPEX WATERPROOFING AD MIXTURE AT MANUF. RECOM. DOSAGE. G.C. TO SEAL CONCRETE WALLS & VAULT FLOOR W/SEALANT SUPPLIED BY OWNER.
2. WALL BETWEEN VAULTS SAME AS PERIMETER WALL W/STEEL PLATE EA. SIDE.
3. PROVIDE RUBBER WATER STOPS @ ALL JOINTS.



1. FOR GENERAL NOTES SEE DWG S1  
GRAPHIC SCALE: 1/2" = 1'-0"

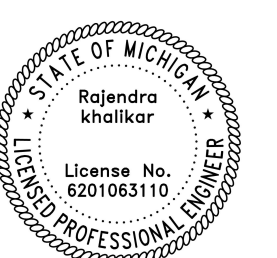


STRUCTURAL ENGINEER:

**EXL Structural Consultants LLC**

1 Blue Hill Plaza, Suite 1501, 1st Floor  
Pearl River, NY 10965  
Tel.: (201) 561-4911  
Email: [raj@exlengineers.com](mailto:raj@exlengineers.com)

RAJ EKHALIKAR



ARCHITECTURAL ENGINEER :

ARCHITECTURAL ENGINEER :

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Date:	04.05.2024	Scale:	1/2" = 1'-0"
Project No.:	24-020		
Drawn By:	RM		
Drawing No.:			

Page: 4 OF 4

# Appendix 6

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# **FACILITY OPERATIONS PLAN**

**Reworld Solutions, LLC  
21750 Hoover Road  
Warren, MI 48089**

August 21, 2024

**Reworld Solutions, LLC  
21750 Hoover Road  
Warren, MI 48089**

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#### ATTACHMENTS

- A Waste Flow Diagram
- B Facility Site Plan
- C Operations Plan Checklists
  - Operations & Safety Checklist
  - Nightly Shutdown
  - Liquid Level Checks
  - Annual Vault Inspection
- D Overall Plan
- E Tank Inventory

## **FACILITY OPERATIONS PLAN**

**Reworld Solutions, LLC  
21750 Hoover Road  
Warren, MI 48089**

### **MATERIAL PROCESSING FACILITY**

The Reworld Solutions, LLC (Reworld) Solid Waste Processing (SWP) facility receives and processes non-hazardous waste and materials for treatment and disposal. Residential waste is not received or processed at the facility. A waste flow diagram is included as Attachment A. All processes are performed within the building, with no industrial activities completed or materials stored outdoors, resulting in no potential exposure to storm water. Reworld will be obtaining a no exposure certification (NEC). Additionally, Fishbeck reviewed the information supplied by Reworld to evaluate potential for emissions. This analysis demonstrated that the proposed operations are exempt from the requirement to obtain an Air Use Permit to Install (PTI) pursuant to Michigan's exemption rules.

The facility building was originally constructed with above standard strength concrete to withstand significant weight. All waste processing and storage areas are constructed of impermeable materials, are free of cracks to prevent groundwater contamination, are capable of containing all waste water liquids generated by the facility processes, and are chemically resistant to the waste types managed at the facility.

Flexible containment berms are constructed in front of each overhead door and entry door of the facility.

#### **A. Process Description**

Processes performed within the facility include (but are not limited to):

1. Centralized Wastewater Treatment (CWT)
2. Used oil processing
3. Shredding of containerized waste prior to solidification
4. Solidification
5. Materials Recovery Facility (MRF) which includes shredding for the creation of Rekiln Fuel, an Alternate Engineered Fuel (AEF)
6. Roll splitter
7. On-site laboratory

Following is a brief description of each process. A Facility Site Plan, indicating the location of each process is included as Attachment B. Please note, the roll splitter will not be immediately installed; the exact location is unknown at this time.

## **1. *Centralized Wastewater Treatment (CWT)***

The CWT system is permitted by the City of Warren, Industrial Discharge Permit #507324. Nonhazardous wastewater included in the oils subcategory and organics subcategory, as defined in 40 CFR 437, U.S. EPA Centralized Wastewater Treatment Standards, are processed through the centralized wastewater treatment system. These nonhazardous wastewaters are generated by industrial facilities and may include oil-water emulsions or mixtures, used machine shop coolants, oil spill clean-up, rinse/wash waters from petroleum sources, wastewater from paint washes and tank clean out wash water from non-petroleum sources.

The wastewater must be approved through the Reworld Material Certification Process, prior to being accepted for centralized wastewater treatment. Specifically, the waste generator must verify that the wastewater has no hazardous characteristic or is exempt from RCRA hazardous waste rules. Upon arrival at the facility, it will only be accepted if a visual comparison of the waste matches the information provided by the generator. A sample of the wastewater delivered will be analyzed for pH, flashpoint, and treatability. If the wastewater exhibits a hazardous waste characteristic or does not match the information provided, it will not be accepted for pretreatment, and the load will be rejected.

Wastewater is delivered to the site by tanker truck. Upon arrival, the wastewater load is sampled and analyzed in the on-site laboratory to verify acceptability and determine treatability. If the wastewater is found to be unacceptable or untreatable, the load is rejected or reclassified.

Acceptable wastewater delivered by transport is off loaded into a screen box; solids are allowed to settle out into the bottom. The screen boxes are contained in a vault, which serves as the containment. Recessing the screen boxes allows trucks to offload using gravity. The auger vault is constructed with a sump in one corner.

The water is transferred from the screen box to a treatment tank. The wastewater is then treated according to established methods, and regulations directed by the U.S. Environmental Protection Agency (USEPA) and applicable Michigan state and local requirements. Through the use of various chemicals and specialty polymers, treatment includes oil separation and metals precipitation. Upon final treatment and approval by the laboratory, the pretreated water is discharged to the local Publicly Operated Treatment Works (POTW) and returned to the water-cycle. This entire treatment system is confined to the inside of the building and located within a containment area.

Solids produced in the treatment process are settled out and transferred to a sludge thickener tank, accumulated, then piped into a screw press for dewatering. Produced sludge cake material is dropped into and collected in a container, then transferred to solidification for further processing. Water removed from the pressed sludge is returned to the wastewater treatment system.

Oil removed through wastewater pretreatment is directed to the used oil processing system.

Chemicals utilized in the CWT include sulfuric acid, sodium hydroxide, alum, ferric chloride, and polymers. All chemicals are stored in appropriate tanks, inside the building and within containment. The tanks are properly labeled and a chemical inventory is taken daily. All movement of chemicals within treatment occurs in a closed system.

## **2. *Used Oil Processing***

Used oil meeting the definition included in 40 Code of Federal Regulations (CFR) 279 is processed. This includes any oil that has been refined from crude oil or synthetic oil that has been used and as a result of such use, is contaminated by physical or chemical impurities. Only used oil generated by industrial and commercial establishments is accepted for processing. The definition of used oil includes used machine shop coolant, which is a combined mixture of oil and water. This waste type is a treatable wastewater in the facility's wastewater treatment system. The used oil contained in the oil/water mixture is removed through the treatment system

and shipped offsite to a used oil processing facility for further processing. Therefore, the facility is a registered used oil processor.

Used oil that is removed from oil-contaminated wastewater through the wastewater treatment system is directed to used oil storage tanks where additional chemical and physical processing is performed to remove any additional water present. Water removed is directed back to the wastewater treatment system. Processed used oil is then shipped offsite to a used oil processing facility for further processing.

### **3. *Shredding of Containerized Waste Prior to Solidification***

The purpose of the shredding operation is to de-package larger containers, such as 55 gallon drums and 330 gallon totes, reducing the size before the waste can be blended/bulked for disposal/reuse. These wastes may include debris such as textiles, tape and labels, coated paper, off specification industrial products, and packaging materials such as foam and strapping. Waste types could also include various sized containers of nonhazardous liquids, such as latex paints, surfactants, and adhesives and glues, which will be shredded and solidified prior to the blending/bulking process.

Materials delivered for shredding must first be approved through the Material Certification Process. Specifically, the waste generator must verify that the product to be removed has no hazardous characteristic or is exempt from RCRA hazardous waste rules. Upon arrival at the facility, the waste will only be accepted if a visual comparison of the waste indicates it matches the information provided by the generator. A sample of each liquid product delivered will be analyzed for pH, flashpoint, and reactivity. If a product exhibits a hazardous waste characteristic or does not match the information provided on the Material Certification it will not be accepted for shredding, and the load will be rejected or reclassified.

Acceptable materials are placed in a staging area prior to being fed into a shredder. After being fed into the shredder, the shredded material drops down the shredder chute and into the vaults and, if necessary, solidification media is added to absorb any liquids. The solid materials are then transported/transferred for disposal/reuse.

An SSI Model 120 H or similar will process material directly into a solidification vault. The shredder can process a wide range of materials, including baled or loose materials or bulky wastes and has an anticipated capacity of 14 tons per hour. The shredder location is on the western wall of Vault #2.

### **4. *Solidification***

Solidification is the mixing of non-hazardous wastes that contain free liquids with an absorbent material to eliminate the liquids. The process is performed in solidification vaults, which are located inside of the facility. Waste materials are mixed with the use of an excavator or similar. Solidified wastes are then transported/transferred for disposal or reuse.

There are three solidification vaults used for disposal/reuse, which are interchangeable, allowing the option of either processing method in any of the vaults.

Clean, off spec shredded diapers obtained from manufacturers will be used as the primary solidification material (absorbent). Potential absorbents include (but are not limited to):

- Sawdust
- Woodchips
- Cellulose Fiber/Paper Fiber
- Cotton Fiber/Wool Base Absorbent
- Cloth Trimmings

Saw dust, if used, is delivered to the facility in covered semi van trailers equipped with a hydraulically actuated “walking floor” that consists of multiple slats that move independently, creating a “walking” effect that moves the saw dust to the rear of the trailer. Saw dust is stored in the solidification vaults and used as needed.

Three waste solidification vaults will be entirely lined with a 40mm high-density polyethylene (HDPE) liner. The liner will be followed by concrete and then ½ inch thick steel plating on three of the four sidewalls, ¾ inch thick on the sidewall opposite the excavator, and 1 inch thick on the bottom. The vaults will be leak-proof, which removes the risk of any kind of migration of potential contamination. Each vault will have an easily accessible monitoring point (found between the steel and concrete) to identify any potential leaks. In addition, as discussed with EGLE, the HDPE liner provides a barrier between any potential perched water and the vaults. A monitoring point will also be installed, specifically between the concrete zone and liner zone. A piezometer will also be installed northwest of the vaults to monitor any perched water. The facility inspection procedures, which are included in the Operations Plan Checklists (see Attachment C), includes weekly inspections of monitoring points for each vault (3 total), weekly inspections of monitoring point between concrete and liner, and weekly groundwater levels from the piezometer (if any perched water is observed). Annual visual inspection of the vault interiors will also be conducted (see Attachment C). In addition, every permit cycle (every 5 years), the vaults will be inspected by an outside contractor with ultrasonic thickness testing of the steel.

Non-hazardous sludge waste which contains liquids and nonhazardous waste, generated by industrial facilities is processed through the solidification system. Examples include tank bottom sludges, latex paints, surfactants, and off specification products.

Wastes that are delivered for solidification must first be approved through the Material Certification Process. Specifically, the waste generator must verify that the waste has no hazardous characteristic or is exempt from RCRA hazardous waste rules. Upon arrival at the facility, the load will only be accepted if a visual comparison of the waste matches the information provided by the generator. A sample of each liquid waste delivered is analyzed for pH, flashpoint, and reactivity through the onsite laboratory to verify acceptability. If it exhibits a hazardous waste characteristic or does not match the information provided on the Material Certification it is not accepted for solidification, and the load is rejected or reclassified.

Clients are offered a variety of options for processing, disposal/reuse. To ensure materials are stored, processed, and disposed according to the client’s indication, containers are marked with contrasting colored labels, which will indicate the disposal/reuse method. While containers are in temporary storage waiting processing, materials are physically separated by category in storage areas.

Upon verification of acceptance, the shipments are offloaded into the appropriate solidification vault. The absorbent material is then added to the solidification vault and mixed with an excavator. Each batch of solidified material that is to be shipped must pass the Paint Filter Liquids Test, with a representative sample of each batch tested to determine the presence of free liquids. When free liquid is no longer present, the contents of the solidification vault is loaded into a trailer and transported offsite for disposal/reuse.

Standard Operating Procedures have been established for managing the capacity of the solidification vaults to ensure overloading of the area does not occur. The industry best management practiced for solidification operations include mounding and stacking waste and solidification material in the center of the vault when preparing a load for outbound shipment. At the same time, the material levels adjacent to the outer vault walls are maintained one to two feet below the top of the vault. These steps are critical to ensure excess liquids will wick off the mound.

5. **Materials Recovery Facility (MRF) which includes shredding for the creation of an Alternate Engineered Fuel (AEF)**

Reworld will install one Untha XR3000 Mobil-e shredder or similar shredder (AEF Shredder), which will be utilized to shred materials used to make AEF. The AEF shredder will be internally-vented to the general in-plant environment. The shredding operation is electrically powered. The AEF Shredder is rated at a capacity of 14 tons per hour (tph). Reworld anticipates processing up to approximately 40,000 tons per year (tpy). All materials accepted will be source separated and nonhazardous secondary material. Bunkers will be used to house the shredded material.

The MRF receives primarily **source separated material**. Michigan Act 451, Part 115 defines **source separated material** as any of the following materials if separated at the source of generation or at a materials management facility that complies with Part 115 and if not speculatively accumulated:

- a. Glass, metal, wood, paper products, plastics, rubber, textiles, food waste, electronics, latex paint, yard waste, or any other material approved by the department that is used for conversion into raw materials or intermediate or new products. For the purposes of this subdivision, raw materials or intermediate or new products include, but are not limited to, compost, biogas from anaerobic digestion, synthesis gas from gasification or pyrolysis, or other fuel. This subdivision does not prohibit material from being classified as a renewable energy resource as defined in section 11 of the clean and renewable energy and energy waste reduction act, 2008 PA 295, MCL 460.1011.
- b. Scrap wood and railroad ties used to fuel an industrial boiler, kiln, power plant, or furnace, subject to part 55, for production of new wood products, or for other uses approved by the department.
- c. Chipped or whole tires used to fuel an industrial boiler, kiln, power plant, or furnace, subject to part 55, or for other uses approved by the department. This subdivision does not prohibit material from being classified as a renewable energy resource as defined in section 11 of the clean and renewable energy and energy waste reduction act, 2008 PA 295, MCL 460.1011
- d. Recovered paint solids if used to fuel an industrial boiler, kiln, power plant, gasification plant, or furnace, subject to Part 55; if bonded with cement or asphalt; or if used for other uses approved by the department.
- e. Gypsum drywall generated from the production of wallboard used for stock returned to the production process or for other uses approved by the department.
- f. Flue gas desulfurization gypsum used for production of cement or wallboard or other uses approved by the department.
- g. Asphalt shingles that meet both of the following requirements:
  - i. Do not contain asbestos, rolled roofing, wood, nails, or tar paper.
  - ii. Are used as described in any of the following:
    - A. As a component in hot mix asphalt, warm mix asphalt, or cold patch asphalt.
    - B. To fuel an industrial boiler, kiln, power plant, or furnace, subject to part 55.
    - C. Mixed with recycled asphalt pavement at a maximum of 1 to 1 ratio by volume to produce a base that is covered by concrete or asphalt paving.
    - D. Other uses approved by the department.
- h. Municipal solid waste incinerator ash that meets criteria specified by the department and that is used as daily cover at a disposal facility licensed pursuant to Part 115.
- i. Utility poles or pole segments reused as poles, posts, or similar uses approved by the department in writing.
- j. Railroad ties reused in landscaping, embankments, or similar uses approved by the department in writing.
- k. Any materials and uses approved by the department under section 11553(8).

- l. Leaves that are ground or mixed with ground wood and sold as mulch for landscaping purposes if the volumes so managed are reported to the department in the manner provided in section 11560.
- m. Any material determined by the department in writing before September 16, 2014 to be a source separated material.
- n. Yard waste that is land applied on a farm in a manner consistent with Generally Accepted Agricultural and Management Practices (GAAMPS).
- o. Yard waste, class 1 compostable material, and class 2 compostable material that are delivered to an anaerobic digester authorized by the department under Part 115 to receive the material.
- p. Recyclable materials.

Most common types of materials that will be processed to make engineered fuel include (but are not limited to):

- Cardboard
- Textiles
- Large rolls (plastic, paper, foams)
- Thin film and flexible plastics (wraps, films, product packaging)
- Laminated paper and multi-layer plastic/paper mixes
- A variety of non-polyvinyl chloride (PVC) plastics
- Acceptable liquid industrial byproducts (LIB)

The following materials would be unacceptable:

- Hazardous materials
- Metals (ferrous/nonferrous)
- Dusty materials
- Medical, biological, and infectious waste
- Odorous materials

## 6. *Roll Splitter*

Large rolls of waste, such as off specification labels or paper, are reduced to a manageable size through a roll splitter, prior to being introduced into the solidification vaults. Each roll is placed into the splitter with a forklift; the machine is then activated so the guillotines slowly cut the roll. The cut roll is then removed from the splitter and transported to the EFW blend or landfill solidification vault by forklift or skid steer. The roll splitter is positioned on the south side of the central containerized storage area, on an impervious surface inside of the building, within the building containment.

All manufacturer's operational, safety, and maintenance procedures must be followed. Personal protective equipment to be used when operating the roll splitter include safety glasses, steel toed boots, gloves, hard hats, pants, and a high visibility long sleeve shirt. Hearing protection must be used when necessary.

## 7. *On-site Laboratory*

Reworld maintains a full-service on-site laboratory at the facility. Lab technicians provide analytical and testing services for the Material Certification Process and waste screening services.

## **B. Solid Waste Delivery Method**

The facility receives non-bulk containerized solid waste and bulk liquids by transport vehicle, for treatment through the CWT and for processing through the solidification operation for final disposal/reuse. Non-bulk containerized waste includes 5 gallon pails to 330 gallon totes, all of which are delivered on pallets.

## **C. Solid Waste Storage**

All waste unloading, storage, and processing is completed within the building. Facility overhead doors are closed when not in use. The design capacity of the waste storage areas include:

Attachment D presents an overall plan with storage locations shown. Solidification processing storage includes:

- Solidification vaults – Three (3) 18' x 20' x 10' = 133.33 cubic yards (cy) per vault
  - 400 cy TOTAL (or approximately 80,790 gallons)

Containerized solid waste processing and staging areas include:

- 4,324 square feet
- 4,324 square feet
- 1,584 square feet
- TOTAL – 10,232 SQUARE FEET

Total containerized storage area

896 pallets (4 drums/pallet) = 3,584 drums (55 gallons/drum) = 197,120 gallons (or equivalent totes that fit in pallet footprint)

TOTAL – 277,910 gallons – 1,390 tons (assuming 10 pounds per gallon)

All tanks installed in the facility are poly or steel tanks and vary in size from 6,500 gallons to 20,000 gallons, with some having cone bottoms and others flat bottoms, depending upon their use. Cone bottom tanks are utilized when sludge is generated within the tank, with the cone offering ease in sludge removal. Flat bottom tanks are used when sludge will not be created within the tank. A tank inventory list is included as Attachment E.

## **D. Types of Solid Waste to be Processed**

Only non-hazardous waste and materials will be accepted at the facility. All non-hazardous waste streams and materials will be approved through the Material Certification Process prior to their acceptance at the facility. Upon delivery, each waste stream is sampled and tested through the onsite laboratory to verify acceptability. If the waste is found to be unacceptable or untreatable, the load will be rejected or reclassified.

Non-hazardous waste and materials accepted for treatment include, but are not limited to:

- Nonhazardous wastewater
- Nonhazardous sludge waste
- Nonhazardous solid waste
- Packaged liquid non-putrescible organic food waste and products such as beverages, cooking oil, canned goods, latex paint, and flavorings
- Packaged inorganic liquid wastes that do not exhibit any hazardous waste characteristics, such as cleaning agents

- Packaged solid organic non-putrescible food wastes and products such as grains, cereals, animal feed and powder paint
- Packaged inorganic solids that do not exhibit characteristics of a hazardous waste and do not appear on any list of hazardous waste.

## **E. Expected Waste Volumes**

This site processes an estimated 600 tons per day through the material processing operation. Additionally, the site treats an estimated 100,000 gallons of non-hazardous wastewater per day through the centralized wastewater treatment system.

The waste received is a combination of gallons and pounds/tons. Reworld generally uses a wastewater and sludge conversion factor of 10 pounds/gallon. Solids received are recorded in inventory as pounds.

Both the SWP and MRF are required to submit annual reports to EGLE after the end of each state fiscal year (by November 14<sup>th</sup>).

## **F. Material Certification Process (Waste Profiling System)**

To ensure all materials accepted for treatment or other processing at the Reworld facility are properly managed in accordance with all local, state, and federal regulations, the waste generator must complete the Material Characterization Form and certify that the waste falls within the facility's treatability and handling parameters. If it is determined that the waste stream is acceptable, a unique profile number is assigned to each waste stream. This number will assist in tracking and allow plant personnel to properly manage the waste.

The Material Characterization Form provides the following information:

- Generator information
- Waste description
- Physical data about the waste
- Waste composition
- Waste sampling information
- Pollutant analysis
- Used Oil Warranty, if the waste is defined as a "Used Oil" or contains "Used Oil"
- Warranty Statement
- Generator Certification
- Treatment type (i.e. landfill, wastewater treatment, energy from waste blend)
- Treatability code
- Method of Shipment
- Approved facilities

The Material Characterization Form, as well as all waste tracking records, are maintained electronically in an Internet based operating system. The immense capabilities of the system allow tracking of all waste loads from the time it is received to the final destination. All Reworld personnel have immediate access to the Internet-based operating system and utilize the information contained in the Material Characterization Form during offloading, receiving, and processing.

Reworld may manage different types of RCRA non-hazardous waste streams from a single generator. Quantifying and differentiating the different waste types begins with the waste profiling process, prior to the waste being accepted for treatment. Through the use of our Material Characterization Form, each new waste

stream to be received at Reworld will be identified by a unique profile number before acceptance for processing. These numbers will assist in tracking the quantities of each waste type and will allow plant personnel to properly manage the waste.

## **G. Waste Disposal Facilities**

Below is a list which includes, but is not limited to, the final disposal/reuse facilities that will be utilized for each facility process.

<b>Facility Process</b>	<b>Final Disposal/Recycling/EFW Facility</b>
Centralized Wastewater Treatment	City of Warren POTW 32360 Warkop Ave Warren, MI, 48093I (586) 264 2530
Used Oil Processing	Final disposition of recyclable materials will be based on market value
Solidification	Reworld Indianapolis 2320 S Harding Street Indianapolis, IN 46221 (800) 950 9749
AEF	Carmeuse Grand River Operation 15 Williams Street Grand River, OH 44045

## **H. Contingency Plan**

In the event of an emergency or unplanned shutdown that prohibits the processing of waste at Reworld, all waste will be directed to an alternate Reworld facility. All customers will be notified by telephone and assistance will be provided to reroute waste to an alternate facility. During a shutdown period all equipment will be shut down and will remain de-energized. All storage containers will be emptied. Operations will not resume until proper management of the waste can be maintained.

Calculations of maximum inventory of CWT wastewater and used oil is expressed in gallons. All other solid waste is expressed in tons, with a conversion factor of 10 pounds per gallon. The maximum inventory of waste in storage or treatment that will occur during the life of the facility will be 189,000 gallons CWT wastewater and used oil and 1,898 tons of solid waste.

Centralized wastewater treatment system – 165,000 gallons

Used oil processing system – 24,000 gallons

Total Gallons – 189,000 gallons

Solidification processing storage – 400 cy or 80,789 gallons or 800,789 pounds or 400 tons

Containerized solid waste processing and staging areas – 197,120 gallons or 1,971,200 pounds or 986 tons

Total Tons – 1,386 tons

## **I. Closure and Post Closure Plans**

### **1. Closure Plan**

Reworld will notify EGLE as required by Act 451 Part 115 of the intended closure date and will initiate the required closure steps within 72 hours after receiving the final volume of waste. All clients will be notified that their wastes streams will need to be rerouted to an alternate Reworld facility, or seek other means of disposal. Reworld will assist clients as needed to locate alternative disposal options. Additionally, all vendors and local agencies will be notified of the facility closure to ensure services until completion. A sign indicating the name and address of the nearest landfill or processing facility will be posted.

Closure cleanup activities include:

- All processed solids will be transported to appropriate disposal facilities. Wastewater will be treated and discharged in accordance with our Industrial Wastewater Pretreatment Permit. Oil on site will be shipped to a fuel blender or to another Reworld location for further treatment.
- All treatment tanks and solidification vaults, associated piping, and pumps will be cleaned with a pressure washer to remove all residue prior to dismantling.
- Unloading areas and floors will be power washed with all rinsate collected for disposal.
- All chemicals onsite will be transported to other Reworld sites for use once deemed unneeded at this location. If the materials are not useable at the other locations, suitable recycling or disposal will be arranged.
- All chemical holding tanks will be appropriately cleaned and dismantled for shipment to another Reworld location. If this is not an option at the time, the tanks will be sold for use or scrapped.
- All laboratory equipment and chemicals will be shipped to other locations or properly disposed of as needed.
- All client and agency documents will be boxed and shipped to the Reworld headquarters for safe keeping.

Reworld will follow the necessary steps to obtain closure with EGLE, identifying the closed facility and documents that show closure was performed in accordance with the closure plan. The certification will include the facility contact name, address and telephone number during the post-closure period.

### **2. Post-Closure Plan**

Reworld will perform post-closure activities as required by Act 451 Part 115 at the facility following completion of closure activities, which are described above.

The following post-closure activities will be implemented after closure of the facility has been certified and deemed adequate by EGLE.

- Minimize the need for further maintenance
- Control the post-closure escape of contaminants to:
  - Ground surface
  - Surface waters
  - Ground waters
  - Atmosphere
- At a minimum, Reworld will remain in compliance with all applicable requirements of any issued permits.
- Inspect the facility semiannually and submit a written inspection report on the condition of the facility to EGLE.

- Maintain the facility's surface water run-off controls
- Maintain access control.
- Remove any solid waste that is illegally dumped at the closed facility.

Within thirty (30) days of completion of post closure, Reworld will submit a signed certification statement that the post-closure activities are complete. If the post closure is deemed to be inadequate by EGLE, actions will be taken to correct the deficiencies. Subsequent to completion of post-closure Reworld will be responsible for immediately correcting and controlling and nuisances occurring at the facility.

## J. Control Procedures

1. **Dust:** A wall separates the vault operations area from the containerized storage and centralized wastewater treatment areas. Therefore, if minor dust is generated it is contained within the building, in the vault operations area. Housekeeping tasks, including the clean-up of accumulated dust, are included as part of the nightly shutdown procedures and Weekly Operations and Safety Checklist. Through the use of the inspection forms, any housekeeping deficiencies are identified and quickly resolved.
2. **Noise:** All treatment and processing operations are performed within the building. Any noise caused by the operating equipment will be contained within the building.
3. **Odors:** All operations at Reworld will take place within an enclosed building. Significant odors are not expected to be produced, and any odor that is produced will be contained to the interior of the facility.
4. **Vectors:** If necessary, vector control is provided by Reworld employees. The control process involves the application of sprays and placement of traps throughout the facility.
5. **Litter:** All treatment and processing operations are performed within the building. No operation which could cause a litter issue is performed outside of the building.
6. **Waste Screening:** Materials delivered to the facility for treatment or other processing must first be approved through the Material Certification Process. Specifically, the waste generator must verify that the product has no hazardous characteristic or is exempt from RCRA hazardous waste rules. Upon arrival at the facility, it will only be accepted if it matches the information provided by the generator and does not exhibit any hazardous waste characteristics. If a product exhibits a hazardous waste characteristic or does not match the information provided on the Waste Certification it will not be accepted and the load will be rejected or reclassified.
7. **Bulk Waste:** Bulky waste or other materials unsuitable for the facility processes is not accepted at the facility.
8. **Spills:** All waste unloading, storage and processing is completed within the building. Any spilled material contained within the building is immediately cleaned up and spilled material is properly characterized and managed. The facility maintains both a Spill Prevention Control and Countermeasure (SPCC) Plan and Pollution Incident Prevention Plan (PIPP).

All personnel are properly trained to minimize the risk of a spill and are trained on the proper clean up procedures when an unexpected release occurs. Spill clean-up kits, contained within yellow drums labeled "Spill Clean-Up Kit" are located throughout the facility, including by the loading dock doors. These kits contain a variety of spill clean-up materials, such as absorbent pads and booms.

Reworld will be obtaining a no exposure certification (NEC) for the facility to meet the requirements of US EPA 40 CFR 112.3. The purpose of the plan is to identify what measures must be taken in the event of a spill

to ensure oil releases do not reach navigable waters. It identifies operating procedures to prevent oil spills, control measures used to prevent a release from reaching a navigable water and countermeasures utilized to mitigate the effects of an oil spill that impacts navigable waters.

9. **Fire Protection:** Fire extinguishers are located throughout the facility and visible marked for easy access by all employees. Extinguishers range in size from 30 lbs. to 300 lbs. The entire building has a sprinkler system. The facility is equipped with a Fire Rover System, which is a 24/7 monitored Fire suppression system using 3 thermal imaging cameras to detect heat. If the cameras detect a temperature of over 300 degrees, the system sends an alert to a control center where an individual can active the suppression system remotely. The Fire Rover has a 1000-gallon water tank, a 100-gallon multi-purpose encapsulator agent tank that mixes using nitrogen gas. The operator can spray the suppression agent without any assistance from personnel onsite. The fire rover will also contact 911 and send first responders while spraying encapsulator agent onsite.

#### **K. Daily Clean Up Procedures**

All areas of the facility are cleaned up prior to nightly facility shutdown. Clean up activities include sweeping, picking up any garbage, tools or supplies and squeegeeing any accumulated water. The Nightly Shutdown Procedures Checklist is included at Attachment C.

#### **L. Sanitary Facilities for Employees**

Restroom facilities are provided in the facility and are indicated on the facility floor plan, which is included as Attachment B.

#### **M. Operating Hours**

The facility operates 6 to 7 days per week with either a split shift or two separate shifts operating 14-24 hours/day.

#### **N. Emergency Action Plan**

An Emergency Action Plan is maintained on site and is easily accessible to all employees and visitors to the facility. The plan specifies the procedures to follow in sudden unexpected situations, such as a fire, spill, or weather related emergency. It assigns roles and responsibilities for implementation of the plan during an emergency.

#### **O. Personal Protective Equipment**

Personal protective equipment required within the facility include safety glasses, steel toed boots, hard hat, nitrile gloves, regular work gloves, laundered uniforms. Hearing protection, respiratory protection, and confined space entry equipment are used when necessary.

#### **P. Decontamination**

A shower and eye wash station is present if an employee comes in contact with any material that must be immediately flushed from the clothing and/or body. Equipment decontamination is performed through the facility housekeeping and maintenance program.

All wastewater generated through decontamination is treated through the facility's centralized wastewater treatment system.

## **Q. Inspection**

Included in Attachment C is the Weekly Operations and Safety Checklist. The checklist includes all inspection and documentation requirements for the facility.

## **R. Record Keeping**

All facility records are maintained electronically in an Internet based system called *NetSuites*. The immense capabilities of the system allow tracking of all waste loads from the time it is received to the final destination, whether it is treated wastewater that is discharged to the local treatment works or solidified waste that is transported for landfill disposal.

The following are examples of the types of information entered and preserved in the *NetSuites* system:

- All loads received including date, generator, manifest number, waste profile number, gallons, and treatment documentation.
- Waste screening results
- All Generators' Waste Characterization Forms, along with analytical test results
- Inventory of treatment chemicals

Both the SWP and MRF are required to submit annual reports to EGLE after the end of each state fiscal year (by November 14<sup>th</sup>).

## **S. All Weather Roads**

All facility roadways and parking areas are constructed of concrete, providing acceptable road conditions under all weather conditions.

## **T. Facility Signs**

The facility maintains a sign posted at the door of the facility which identifies the following:

- The name of the facility
- Street address number

The facility does not grant access to the general public.

## **V. On-site Communication**

All employees are equipped with a two-way radio. Land line telephones will be installed within the facility in the future. An afterhours call service will be utilized for any calls received during non-operating hours.

## **W. Safety Equipment**

It is mandatory for all employees to wear required personal protective equipment, including safety glasses, steel toed boots, hard hat, hi visibility long sleeves and gloves appropriate for the work being performed. Safety equipment for facility visitors, such as safety glasses is maintained in the lobby entrance.

First aid kits are located in the office area and operations area.

## **X. Access Control**

Significant access control to the facility is maintained. The property is fully fenced. Access the facility is through one driveway, which is gated. There are no common driveways or parking lots with other facilities.

A video surveillance system is installed with cameras located inside and outside of the building. The system has 24 hour recording capabilities. The entrance gate and all doors to the facility are locked during non-operating hours.

## **Y. Employee Training**

Employee training includes, but is not limited to, the following:

- Facility Emergency Response Procedures
- SPCC Plan requirements
- Material Certification Process
- Hazard Communication
- Confined Space Entry
- Respiratory Protection
- Exposure Control
- Lock Out/Tag Out
- Personal Protective Equipment
- Security Site Safety
- Fire Prevention and Protection

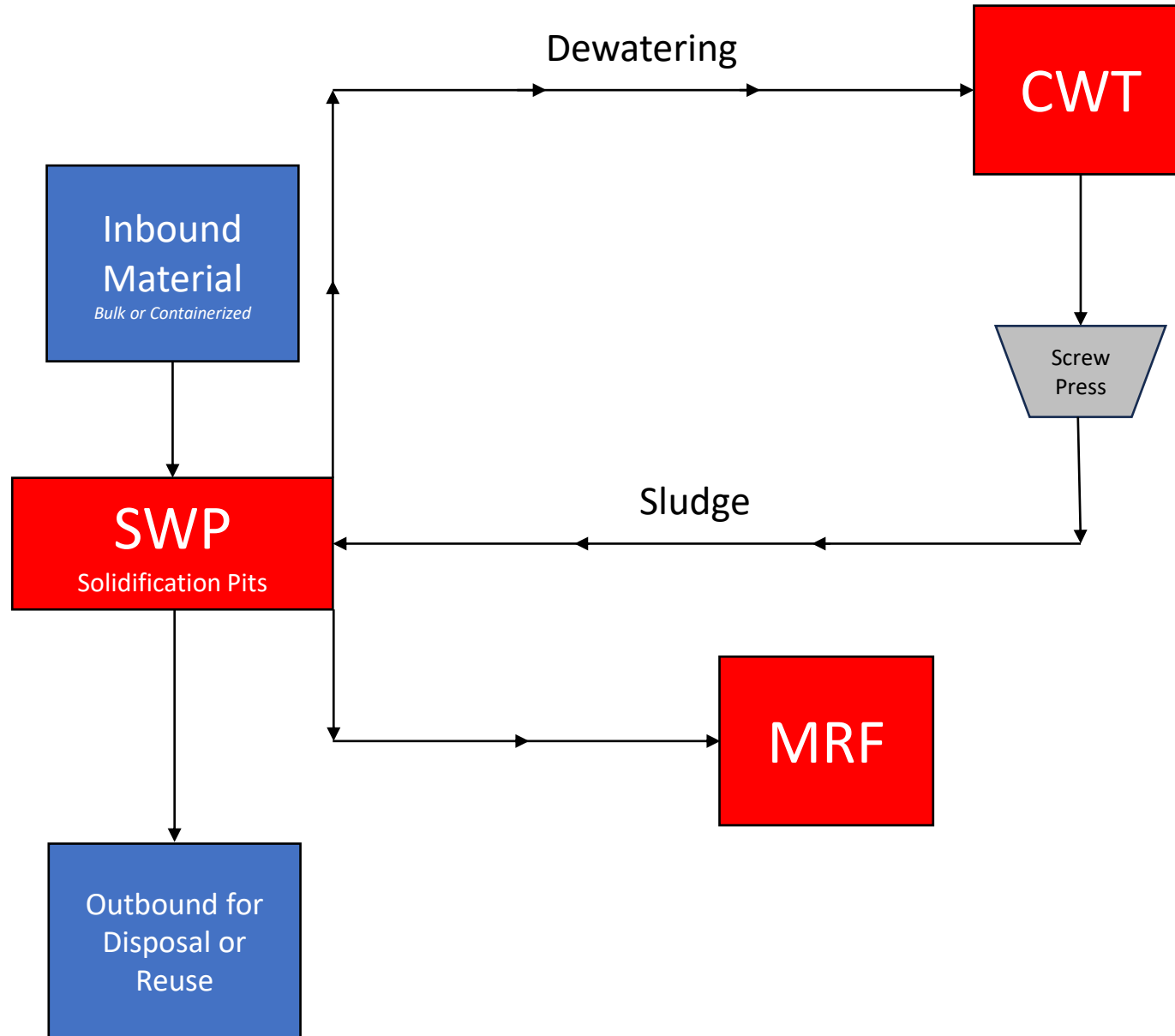
## **ATTACHMENTS**

- A. Waste Flow Diagram**
- B. Facility Site Plan**
- C. Weekly Operations and Safety Checklist**
- D. Overall Plan**
- E. Tank Inventory**

**FACILITY OPERATIONS PLAN  
MATERIAL PROCESSING FACILITY**

**Reworld Solutions, LLC  
21750 Hoover Road  
Warren, MI 48089**

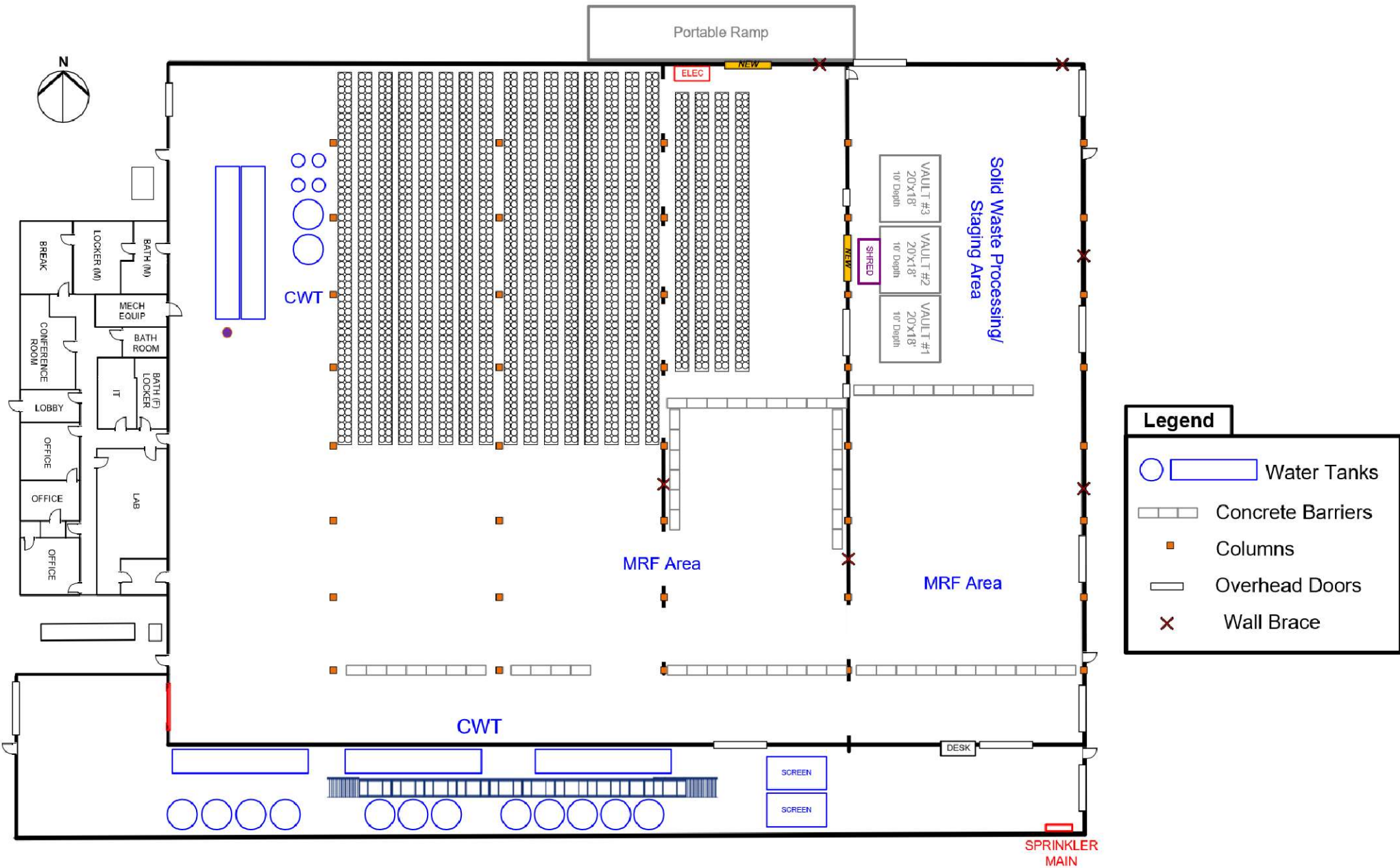
**ATTACHMENT A  
Waste Flow Diagram**



**FACILITY OPERATIONS PLAN  
MATERIAL PROCESSING FACILITY**

**Reworld Solutions, LLC  
21750 Hoover Road  
Warren, MI 48089**

**ATTACHMENT B  
Facility Site Plan**



**FACILITY OPERATIONS PLAN  
MATERIAL PROCESSING FACILITY**

**Reworld Solutions, LLC  
21750 Hoover Road  
Warren, MI 48089**

**ATTACHMENT C  
Operations Plan Checklists**



## Operations & Safety Checklist

Last Updated August 15, 2024

Completed by:

Date / Time:

Storage Area				
	Satisfactory	Unsatisfactory	Comments/Corrections/Expirations	
Regulatory				
Fork lift inspection current ( <i>back up available</i> )				
All doors closed				
All waste containers properly labeled				
Operations				
All incoming waste container DOT labels sprayed out				
Skids/Pallets organized				
Maintenance				
Equipment/Machines in need of repair tagged out of service				
All door chain/pulleys greased twice a year				
Safety				
All exits unobstructed				
Fire Extinguishers unobstructed				
Flammables in Flam cabinet				
Solidification Area				
	Satisfactory	Unsatisfactory	Comments/Corrections/Expirations	
Regulatory				
All trailers leak free				
Load data entered into Net Suites				
Manifests completed, signed and filed correctly				
Fork lift inspection current ( <i>back up available</i> )				

Inspection of pit secondary containment monitoring wells and sumps for removal of liquids			
Visual inspection of pit interiors (Annual)			
Emergency contacts <u>current</u> _____			
All waste containers properly labeled			
Excavator inspection log complete			
<b>Operations</b>			
All truck/trailers parked neatly			
Empty Trailers closed			
Floors swept and clean/ ground free of debris			
Dock walls and posts marked with <u>reflective tape</u>			
All lights clean and working _____			
Hoses/Cords wound/hung up			
Cords inspected for cracks or missing ground prongs			
Tools/Parts put away			
Power tool not cracked or broken			
Proper signage in and outside of building			
Proper Exterior lighting			
Hydraulic oils, Gasoline, and Diesel stored/labeled prop			
All tanker hose tray valves closed			
Skids/Pallets stacked and organized			
All tanker valves closed			
<b>Maintenance</b>			
All fluids good on excavator ( <i>documented</i> )			
All fluids good on skidsteer ( <i>documented</i> )			
Oil in gear box for auger ( <i>documented</i> )			
Belt tension on all belts ( <i>documented</i> )			
Garage doors/pulleys greased twice a year ( <i>documented</i> )			
Equipment/Machines in need of repair tagged out of service			
<b>Safety</b>			
HMIS diamonds on all exterior doors			
Spill Response kits in place/stocked			
Check/restock inventory of spill response materials			
Exit signs in place/ working			
Electrical panels labeled ( <i>per diagram</i> )			
Nothing stored within 3 feet of electrical panels			

[illegible]





Reworld Solutions, LLC  
21750 Hoover Road  
Warren, MI

## Monitoring Point (MP) Liquid Level Checks, Monthly Documentation

Monitoring Point Liquid Level Checks for month of \_\_\_\_\_

\*for each month the inspection list below should be completed weekly

Date of Inspection	Inspector (First and Last Name)	Vault 1 MP Liquid (yes/no)	Vault 2 MP Liquid (yes/no)	Vault 3 MP Liquid (yes/no)	Outside Vaults MP Liquid (yes/no)	Piezometer MP Water (yes/no)	Piezometer Water Level (if yes)	Comments



Reworld Solutions, LLC  
21750 Hoover Road  
Warren, MI

## Annual Vault Inspections

Inspection Date \_\_\_\_\_ Person Conducting Inspection \_\_\_\_\_

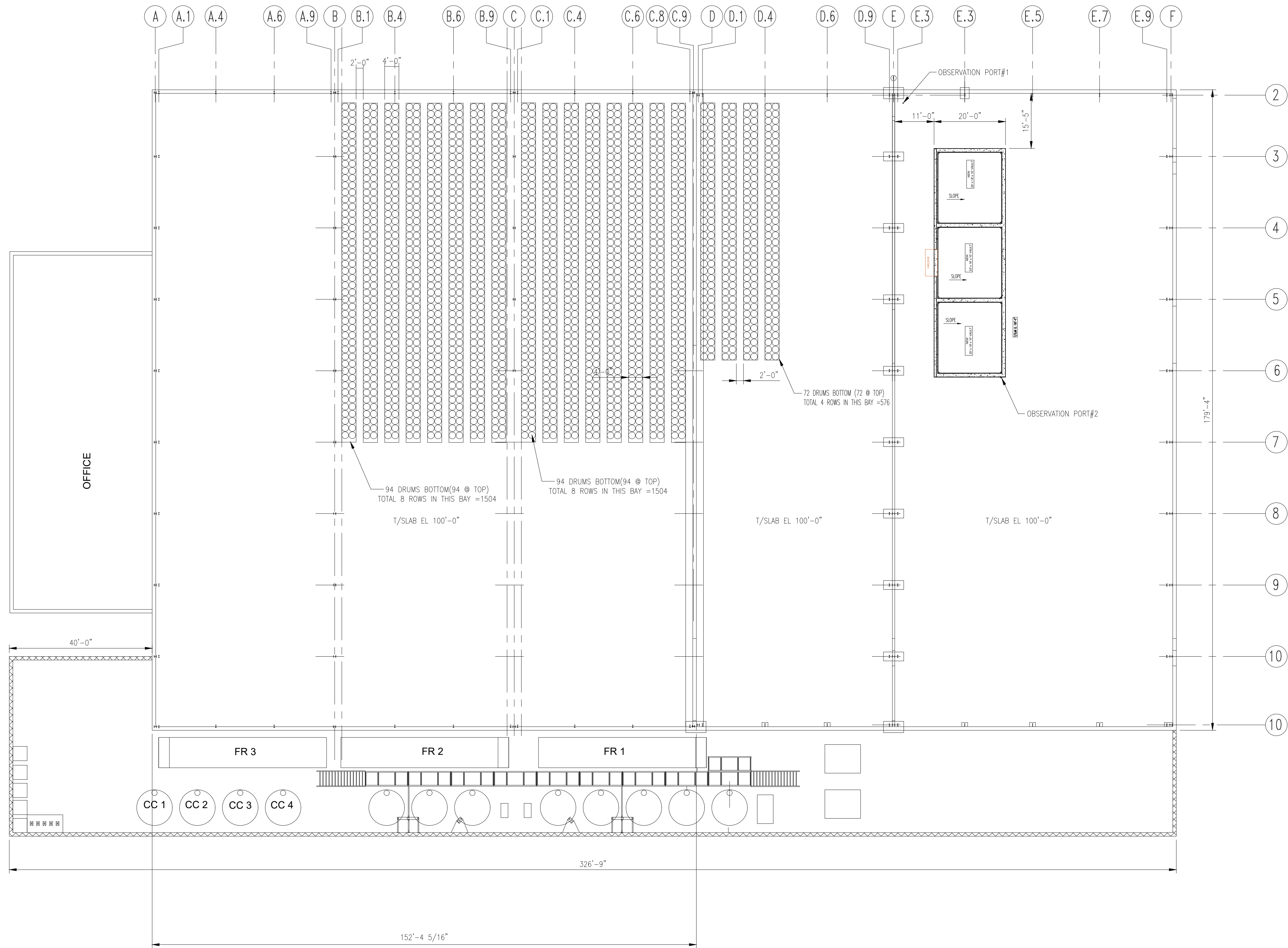
Vault	Emptied (yes/no)	Cleaned (yes/no)	Defects (yes/no)	Describe defects if any are observed	Corrective actions taken	Additional findings
Vault 1						
Vault 2						
Vault 3						

**FACILITY OPERATIONS PLAN  
MATERIAL PROCESSING FACILITY**

**Reworld Solutions, LLC  
21750 Hoover Road  
Warren, MI 48089**

**ATTACHMENT D  
Overall Plan**

ALL RIGHTS ARE RESERVED. IT IS VIOLATION TO ALTER, REPRODUCE OR USE OF ANY PARTS OF THE CONTENTS WITHOUT THE EXPRESS WRITTEN PERMISSION OF THE A&D ASSOCIATES, INC.



OVERALL PLAN  
(SCALE: 1/16"=1'-0")

NOTES:

1. FOR GENERAL NOTES SEE DWG S1

OWNER:			
STRUCTURAL ENGINEER:			
EXL Structural Consultants LLC			
1 Blue Hill Plaza, Suite 1501, 1st Floor Pearl River, NY 10965 Tel.: (201) 561-4911 Email: raj@exlengineers.com			
SEAL & SIGNATURE:			
RAJ EKHALIKAR			
MI PROFESSIONAL ENGINEER NO 6201063110			
ARCHITECTURAL ENGINEER :			
A	ISSUED FOR REVIEW AND COMMENTS	06.14.2024	RM
No.	Revision	Date	By
PROJECT:			
Reworld			
Reworld Solution LLC.			
21750 Hoover Rd, Warren, MI.			
DRAWING TITLE:			
OVERALL PLAN			
Date:	04.05.2024	Scale:	1/16" = 1'-0"
Project No.:	24-020		
Drawn By:	RM		
Drawing No.:	S2		
Page:	2	OF 3	

**FACILITY OPERATIONS PLAN  
MATERIAL PROCESSING FACILITY**

**Reworld Solutions, LLC  
21750 Hoover Road  
Warren, MI 48089**

**ATTACHMENT E  
Tank Inventory**

**Tank Summary:**

<b>Tank Name</b>	<b># of Tanks</b>	<b>Use</b>	<b>Capacity/Tank</b>	<b>Construction</b>
RT	3	Receiving Tank	20,000 gal	Steel
TT	6	Treatment Tank	6,500 gal	Poly
CC	5	Cold Crack Tank	6,500 gal	Poly
TW	2	Treated Water Tank	20,000 gal	Steel
SL	2	Sludge Tank	6,500 gal	Poly
-	5	Treatment Chemical	330 gal	Poly Tote
PF	2	PFA's Tanks	6,500 gal	Poly

# Appendix 7

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# IPaC resource list

This report is an automatically generated list of species and other resources such as critical habitat (collectively referred to as *trust resources*) under the U.S. Fish and Wildlife Service's (USFWS) jurisdiction that are known or expected to be on or near the project area referenced below. The list may also include trust resources that occur outside of the project area, but that could potentially be directly or indirectly affected by activities in the project area. However, determining the likelihood and extent of effects a project may have on trust resources typically requires gathering additional site-specific (e.g., vegetation/species surveys) and project-specific (e.g., magnitude and timing of proposed activities) information.

Below is a summary of the project information you provided and contact information for the USFWS office(s) with jurisdiction in the defined project area. Please read the introduction to each section that follows (Endangered Species, Migratory Birds, USFWS Facilities, and NWI Wetlands) for additional information applicable to the trust resources addressed in that section.

## Location

Macomb County, Michigan



## Local office

Michigan Ecological Services Field Office

☎ (517) 351-2555

📅 (517) 351-1443

2651 Coolidge Road Suite 101

East Lansing, MI 48823-6360

# Endangered species

**This resource list is for informational purposes only and does not constitute an analysis of project level impacts.**

The primary information used to generate this list is the known or expected range of each species. Additional areas of influence (AOI) for species are also considered. An AOI includes areas outside of the species range if the species could be indirectly affected by activities in that area (e.g., placing a dam upstream of a fish population even if that fish does not occur at the dam site, may indirectly impact the species by reducing or eliminating water flow downstream). Because species can move, and site conditions can change, the species on this list are not guaranteed to be found on or near the project area. To fully determine any potential effects to species, additional site-specific and project-specific information is often required.

Section 7 of the Endangered Species Act **requires** Federal agencies to "request of the Secretary information whether any species which is listed or proposed to be listed may be present in the area of such proposed action" for any project that is conducted, permitted, funded, or licensed by any Federal agency. A letter from the local office and a species list which fulfills this requirement can **only** be obtained by requesting an official species list from either the Regulatory Review section in IPaC (see directions below) or from the local field office directly.

For project evaluations that require USFWS concurrence/review, please return to the IPaC website and request an official species list by doing the following:

1. Draw the project location and click CONTINUE.
2. Click DEFINE PROJECT.
3. Log in (if directed to do so).
4. Provide a name and description for your project.
5. Click REQUEST SPECIES LIST.

Listed species<sup>1</sup> and their critical habitats are managed by the [Ecological Services Program](#) of the U.S. Fish and Wildlife Service (USFWS) and the fisheries division of the National Oceanic and Atmospheric Administration (NOAA Fisheries<sup>2</sup>).

Species and critical habitats under the sole responsibility of NOAA Fisheries are **not** shown on this list. Please contact [NOAA Fisheries](#) for [species under their jurisdiction](#).

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1. Species listed under the Endangered Species Act are threatened or endangered; IPaC also shows species that are candidates, or proposed, for listing. See the [listing status page](#) for more information. IPaC only shows species that are regulated by USFWS (see FAQ).
2. [NOAA Fisheries](#), also known as the National Marine Fisheries Service (NMFS), is an office of the National Oceanic and Atmospheric Administration within the Department of Commerce.

The following species are potentially affected by activities in this location:

## Mammals

NAME	STATUS
<b>Indiana Bat</b> <i>Myotis sodalis</i> Wherever found There is <b>final</b> critical habitat for this species. Your location does not overlap the critical habitat. <a href="https://ecos.fws.gov/ecp/species/5949">https://ecos.fws.gov/ecp/species/5949</a>	Endangered
<b>Northern Long-eared Bat</b> <i>Myotis septentrionalis</i> Wherever found This species only needs to be considered if the following condition applies: <ul style="list-style-type: none"><li>• This species only needs to be considered if the project includes wind turbine operations.</li></ul> No critical habitat has been designated for this species. <a href="https://ecos.fws.gov/ecp/species/9045">https://ecos.fws.gov/ecp/species/9045</a>	Endangered
<b>Tricolored Bat</b> <i>Perimyotis subflavus</i> Wherever found This species only needs to be considered if the following condition applies: <ul style="list-style-type: none"><li>• This species only needs to be considered if the project includes wind turbine operations.</li></ul> No critical habitat has been designated for this species. <a href="https://ecos.fws.gov/ecp/species/10515">https://ecos.fws.gov/ecp/species/10515</a>	Proposed Endangered

## Birds

NAME	STATUS
<b>Rufa Red Knot</b> <i>Calidris canutus rufa</i> Wherever found This species only needs to be considered if the following condition applies: <ul style="list-style-type: none"><li>Only actions that occur along coastal areas during the Red Knot migratory window of MAY 1 - SEPTEMBER 30.</li></ul> There is <b>proposed</b> critical habitat for this species. <a href="https://ecos.fws.gov/ecp/species/1864">https://ecos.fws.gov/ecp/species/1864</a>	<b>Threatened</b>

## Reptiles

NAME	STATUS
<b>Eastern Massasauga (=rattlesnake)</b> <i>Sistrurus catenatus</i> Wherever found This species only needs to be considered if the following condition applies: <ul style="list-style-type: none"><li>For all Projects: Project is within EMR Range</li></ul> No critical habitat has been designated for this species. <a href="https://ecos.fws.gov/ecp/species/2202">https://ecos.fws.gov/ecp/species/2202</a>	<b>Threatened</b>

## Clams

NAME	STATUS
<b>Salamander Mussel</b> <i>Simpsonaias ambigua</i> Wherever found There is <b>proposed</b> critical habitat for this species. Your location does not overlap the critical habitat. <a href="https://ecos.fws.gov/ecp/species/6208">https://ecos.fws.gov/ecp/species/6208</a>	<b>Proposed Endangered</b>

## Insects

NAME	STATUS
<b>Monarch Butterfly</b> <i>Danaus plexippus</i> Wherever found No critical habitat has been designated for this species. <a href="https://ecos.fws.gov/ecp/species/9743">https://ecos.fws.gov/ecp/species/9743</a>	Candidate

## Critical habitats

Potential effects to critical habitat(s) in this location must be analyzed along with the endangered species themselves.

There are no critical habitats at this location.

You are still required to determine if your project(s) may have effects on all above listed species.

## Bald & Golden Eagles

Bald and golden eagles are protected under the Bald and Golden Eagle Protection Act<sup>1</sup> and the Migratory Bird Treaty Act<sup>2</sup>.

Any person or organization who plans or conducts activities that may result in impacts to bald or golden eagles, or their habitats<sup>3</sup>, should follow appropriate regulations and consider implementing appropriate conservation measures, as described in the links below. Specifically, please review the ["Supplemental Information on Migratory Birds and Eagles"](#).

Additional information can be found using the following links:

- Eagle Management <https://www.fws.gov/program/eagle-management>
- Measures for avoiding and minimizing impacts to birds <https://www.fws.gov/library/collections/avoiding-and-minimizing-incident-take-migratory-birds>
- Nationwide conservation measures for birds <https://www.fws.gov/sites/default/files/documents/nationwide-standard-conservation-measures.pdf>

- Supplemental Information for Migratory Birds and Eagles in IPaC <https://www.fws.gov/media/supplemental-information-migratory-birds-and-bald-and-golden-eagles-may-occur-project-action>

There are likely bald eagles present in your project area. For additional information on bald eagles, refer to [Bald Eagle Nesting and Sensitivity to Human Activity](#)

For guidance on when to schedule activities or implement avoidance and minimization measures to reduce impacts to migratory birds on your list, see the PROBABILITY OF PRESENCE SUMMARY below to see when these birds are most likely to be present and breeding in your project area.

NAME	BREEDING SEASON
<b>Bald Eagle</b> <i>Haliaeetus leucocephalus</i> This is not a Bird of Conservation Concern (BCC) in this area, but warrants attention because of the Eagle Act or for potential susceptibilities in offshore areas from certain types of development or activities. <a href="https://ecos.fws.gov/ecp/species/1626">https://ecos.fws.gov/ecp/species/1626</a>	Breeds Dec 1 to Aug 31

## Probability of Presence Summary

The graphs below provide our best understanding of when birds of concern are most likely to be present in your project area. This information can be used to tailor and schedule your project activities to avoid or minimize impacts to birds. Please make sure you read "[Supplemental Information on Migratory Birds and Eagles](#)", specifically the FAQ section titled "Proper Interpretation and Use of Your Migratory Bird Report" before using or attempting to interpret this report.

### Probability of Presence (■)

Each green bar represents the bird's relative probability of presence in the 10km grid cell(s) your project overlaps during a particular week of the year. (A year is represented as 12 4-week months.) A taller bar indicates a higher probability of species presence. The survey effort (see below) can be used to establish a level of confidence in the presence score. One can have higher confidence in the presence score if the corresponding survey effort is also high.

How is the probability of presence score calculated? The calculation is done in three steps:

1. The probability of presence for each week is calculated as the number of survey events in the week where the species was detected divided by the total number of survey events for that week. For example, if in week 12 there were 20 survey

events and the Spotted Towhee was found in 5 of them, the probability of presence of the Spotted Towhee in week 12 is 0.25.

- To properly present the pattern of presence across the year, the relative probability of presence is calculated. This is the probability of presence divided by the maximum probability of presence across all weeks. For example, imagine the probability of presence in week 20 for the Spotted Towhee is 0.05, and that the probability of presence at week 12 (0.25) is the maximum of any week of the year. The relative probability of presence on week 12 is  $0.25/0.25 = 1$ ; at week 20 it is  $0.05/0.25 = 0.2$ .
- The relative probability of presence calculated in the previous step undergoes a statistical conversion so that all possible values fall between 0 and 10, inclusive. This is the probability of presence score.

To see a bar's probability of presence score, simply hover your mouse cursor over the bar.

### Breeding Season (■)

Yellow bars denote a very liberal estimate of the time-frame inside which the bird breeds across its entire range. If there are no yellow bars shown for a bird, it does not breed in your project area.

### Survey Effort (|)

Vertical black lines superimposed on probability of presence bars indicate the number of surveys performed for that species in the 10km grid cell(s) your project area overlaps. The number of surveys is expressed as a range, for example, 33 to 64 surveys.

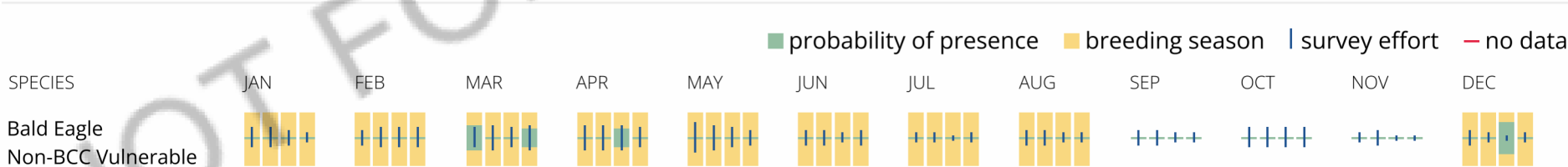
To see a bar's survey effort range, simply hover your mouse cursor over the bar.

### No Data (—)

A week is marked as having no data if there were no survey events for that week.

### Survey Timeframe

Surveys from only the last 10 years are used in order to ensure delivery of currently relevant information. The exception to this is areas off the Atlantic coast, where bird returns are based on all years of available data, since data in these areas is currently much more sparse.



### What does IPaC use to generate the potential presence of bald and golden eagles in my specified location?

The potential for eagle presence is derived from data provided by the [Avian Knowledge Network \(AKN\)](#). The AKN data is based on a growing collection of [survey, banding, and citizen science datasets](#) and is queried and filtered to return a list of those birds reported as occurring in the 10km grid cell(s) which your project intersects, and that have been identified as warranting special attention because they are a BCC species in that area, an eagle ([Eagle Act](#) requirements may apply). To see a list of all birds potentially present in your project area, please visit the [Rapid Avian Information Locator \(RAIL\) Tool](#).

### What does IPaC use to generate the probability of presence graphs of bald and golden eagles in my specified location?

The Migratory Bird Resource List is comprised of USFWS [Birds of Conservation Concern \(BCC\)](#) and other species that may warrant special attention in your project location.

The migratory bird list generated for your project is derived from data provided by the [Avian Knowledge Network \(AKN\)](#). The AKN data is based on a growing collection of [survey, banding, and citizen science datasets](#) and is queried and filtered to return a list of those birds reported as occurring in the 10km grid cell(s) which your project intersects, and that have been identified as warranting special attention because they are a BCC species in that area, an eagle ([Eagle Act](#) requirements may apply), or a species that has a particular vulnerability to offshore activities or development.

Again, the Migratory Bird Resource list includes only a subset of birds that may occur in your project area. It is not representative of all birds that may occur in your project area. To get a list of all birds potentially present in your project area, please visit the [Rapid Avian Information Locator \(RAIL\) Tool](#).

### What if I have eagles on my list?

If your project has the potential to disturb or kill eagles, you may need to obtain a permit to avoid violating the [Eagle Act](#) should such impacts occur. Please contact your local Fish and Wildlife Service Field Office if you have questions.

## Migratory birds

Certain birds are protected under the Migratory Bird Treaty Act<sup>1</sup> and the Bald and Golden Eagle Protection Act<sup>2</sup>.

Any person or organization who plans or conducts activities that may result in impacts to migratory birds, eagles, and their habitats<sup>3</sup> should follow appropriate regulations and consider implementing appropriate conservation measures, as described in the links below. Specifically, please review the ["Supplemental Information on Migratory Birds and Eagles"](#).

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1. The [Migratory Birds Treaty Act](#) of 1918.
2. The [Bald and Golden Eagle Protection Act](#) of 1940.

Additional information can be found using the following links:

- Eagle Management <https://www.fws.gov/program/eagle-management>
- Measures for avoiding and minimizing impacts to birds <https://www.fws.gov/library/collections/avoiding-and-minimizing-incidental-take-migratory-birds>
- Nationwide conservation measures for birds <https://www.fws.gov/sites/default/files/documents/nationwide-standard-conservation-measures.pdf>
- Supplemental Information for Migratory Birds and Eagles in IPaC <https://www.fws.gov/media/supplemental-information-migratory-birds-and-bald-and-golden-eagles-may-occur-project-action>

The birds listed below are birds of particular concern either because they occur on the [USFWS Birds of Conservation Concern](#) (BCC) list or warrant special attention in your project location. To learn more about the levels of concern for birds on your list and how this list is generated, see the FAQ [below](#). This is not a list of every bird you may find in this location, nor a guarantee that every bird on this list will be found in your project area. To see exact locations of where birders and the general public have sighted birds in and around your project area, visit the [E-bird data mapping tool](#) (Tip: enter your location, desired date range and a species on your list). For projects that occur off the Atlantic Coast, additional maps and models detailing the relative occurrence and abundance of bird species on your list are available. Links to additional information about Atlantic Coast birds, and other important information about your migratory bird list, including how to properly interpret and use your migratory bird report, can be found [below](#).

For guidance on when to schedule activities or implement avoidance and minimization measures to reduce impacts to migratory birds on your list, see the PROBABILITY OF PRESENCE SUMMARY below to see when these birds are most likely to be present and breeding in your project area.

NAME	BREEDING SEASON
<b>Bald Eagle</b> <i>Haliaeetus leucocephalus</i> This is not a Bird of Conservation Concern (BCC) in this area, but warrants attention because of the Eagle Act or for potential susceptibilities in offshore areas from certain types of development or activities. <a href="https://ecos.fws.gov/ecp/species/1626">https://ecos.fws.gov/ecp/species/1626</a>	Breeds Dec 1 to Aug 31

Canada Warbler *Cardellina canadensis*

This is a Bird of Conservation Concern (BCC) throughout its range in the continental USA and Alaska.

Breeds May 20 to Aug 10

Chimney Swift *Chaetura pelagica*

This is a Bird of Conservation Concern (BCC) throughout its range in the continental USA and Alaska.

Breeds Mar 15 to Aug 25

Eastern Whip-poor-will *Antrostomus vociferus*

This is a Bird of Conservation Concern (BCC) throughout its range in the continental USA and Alaska.

Breeds May 1 to Aug 20

Lesser Yellowlegs *Tringa flavipes*

This is a Bird of Conservation Concern (BCC) throughout its range in the continental USA and Alaska.

<https://ecos.fws.gov/ecp/species/9679>

Breeds elsewhere

Red-headed Woodpecker *Melanerpes erythrocephalus*

This is a Bird of Conservation Concern (BCC) throughout its range in the continental USA and Alaska.

Breeds May 10 to Sep 10

Wood Thrush *Hylocichla mustelina*

This is a Bird of Conservation Concern (BCC) throughout its range in the continental USA and Alaska.

Breeds May 10 to Aug 31

## Probability of Presence Summary

The graphs below provide our best understanding of when birds of concern are most likely to be present in your project area. This information can be used to tailor and schedule your project activities to avoid or minimize impacts to birds. Please make sure you read "[Supplemental Information on Migratory Birds and Eagles](#)", specifically the FAQ section titled "Proper Interpretation and Use of Your Migratory Bird Report" before using or attempting to interpret this report.

Probability of Presence (■)

Each green bar represents the bird's relative probability of presence in the 10km grid cell(s) your project overlaps during a particular week of the year. (A year is represented as 12 4-week months.) A taller bar indicates a higher probability of species presence. The survey effort (see below) can be used to establish a level of confidence in the presence score. One can have higher confidence in the presence score if the corresponding survey effort is also high.

How is the probability of presence score calculated? The calculation is done in three steps:

1. The probability of presence for each week is calculated as the number of survey events in the week where the species was detected divided by the total number of survey events for that week. For example, if in week 12 there were 20 survey events and the Spotted Towhee was found in 5 of them, the probability of presence of the Spotted Towhee in week 12 is 0.25.
2. To properly present the pattern of presence across the year, the relative probability of presence is calculated. This is the probability of presence divided by the maximum probability of presence across all weeks. For example, imagine the probability of presence in week 20 for the Spotted Towhee is 0.05, and that the probability of presence at week 12 (0.25) is the maximum of any week of the year. The relative probability of presence on week 12 is  $0.25/0.25 = 1$ ; at week 20 it is  $0.05/0.25 = 0.2$ .
3. The relative probability of presence calculated in the previous step undergoes a statistical conversion so that all possible values fall between 0 and 10, inclusive. This is the probability of presence score.

To see a bar's probability of presence score, simply hover your mouse cursor over the bar.

### **Breeding Season (■)**

Yellow bars denote a very liberal estimate of the time-frame inside which the bird breeds across its entire range. If there are no yellow bars shown for a bird, it does not breed in your project area.

### **Survey Effort (|)**

Vertical black lines superimposed on probability of presence bars indicate the number of surveys performed for that species in the 10km grid cell(s) your project area overlaps. The number of surveys is expressed as a range, for example, 33 to 64 surveys.

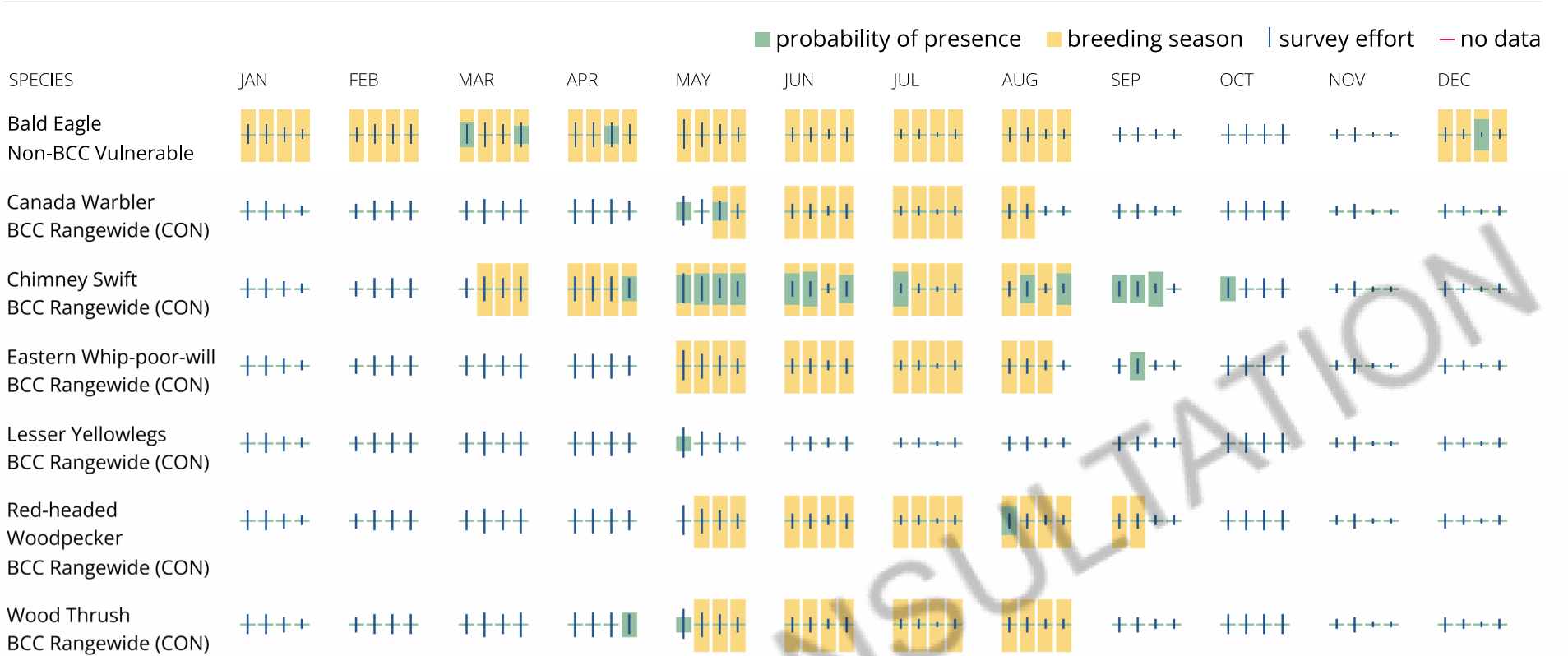
To see a bar's survey effort range, simply hover your mouse cursor over the bar.

### **No Data (—)**

A week is marked as having no data if there were no survey events for that week.

### **Survey Timeframe**

Surveys from only the last 10 years are used in order to ensure delivery of currently relevant information. The exception to this is areas off the Atlantic coast, where bird returns are based on all years of available data, since data in these areas is currently much more sparse.



**Tell me more about conservation measures I can implement to avoid or minimize impacts to migratory birds.**

[Nationwide Conservation Measures](#) describes measures that can help avoid and minimize impacts to all birds at any location year round. Implementation of these measures is particularly important when birds are most likely to occur in the project area. When birds may be breeding in the area, identifying the locations of any active nests and avoiding their destruction is a very helpful impact minimization measure. To see when birds are most likely to occur and be breeding in your project area, view the Probability of Presence Summary. [Additional measures](#) or [permits](#) may be advisable depending on the type of activity you are conducting and the type of infrastructure or bird species present on your project site.

**What does IPaC use to generate the list of migratory birds that potentially occur in my specified location?**

The Migratory Bird Resource List is comprised of USFWS [Birds of Conservation Concern \(BCC\)](#) and other species that may warrant special attention in your project location.

The migratory bird list generated for your project is derived from data provided by the [Avian Knowledge Network \(AKN\)](#). The AKN data is based on a growing collection of [survey, banding, and citizen science datasets](#) and is queried and filtered to return a list of those birds reported as occurring in the 10km grid cell(s) which your project intersects, and that have been identified as warranting special attention because they are a BCC species in that area, an eagle ([Eagle Act](#) requirements may apply), or a species that has a particular vulnerability to offshore activities or development.

Again, the Migratory Bird Resource list includes only a subset of birds that may occur in your project area. It is not representative of all birds that may occur in your project area. To get a list of all birds potentially present in your project area, please visit the [Rapid Avian Information Locator \(RAIL\) Tool](#).

#### **What does IPaC use to generate the probability of presence graphs for the migratory birds potentially occurring in my specified location?**

The probability of presence graphs associated with your migratory bird list are based on data provided by the [Avian Knowledge Network \(AKN\)](#). This data is derived from a growing collection of [survey, banding, and citizen science datasets](#).

Probability of presence data is continuously being updated as new and better information becomes available. To learn more about how the probability of presence graphs are produced and how to interpret them, go the Probability of Presence Summary and then click on the "Tell me about these graphs" link.

#### **How do I know if a bird is breeding, wintering or migrating in my area?**

To see what part of a particular bird's range your project area falls within (i.e. breeding, wintering, migrating or year-round), you may query your location using the [RAIL Tool](#) and look at the range maps provided for birds in your area at the bottom of the profiles provided for each bird in your results. If a bird on your migratory bird species list has a breeding season associated with it, if that bird does occur in your project area, there may be nests present at some point within the timeframe specified. If "Breeds elsewhere" is indicated, then the bird likely does not breed in your project area.

#### **What are the levels of concern for migratory birds?**

Migratory birds delivered through IPaC fall into the following distinct categories of concern:

1. "BCC Rangewide" birds are [Birds of Conservation Concern](#) (BCC) that are of concern throughout their range anywhere within the USA (including Hawaii, the Pacific Islands, Puerto Rico, and the Virgin Islands);
2. "BCC - BCR" birds are BCCs that are of concern only in particular Bird Conservation Regions (BCRs) in the continental USA; and
3. "Non-BCC - Vulnerable" birds are not BCC species in your project area, but appear on your list either because of the [Eagle Act](#) requirements (for eagles) or (for non-eagles) potential susceptibilities in offshore areas from certain types of development or activities (e.g. offshore energy development or longline fishing).

Although it is important to try to avoid and minimize impacts to all birds, efforts should be made, in particular, to avoid and minimize impacts to the birds on this list, especially eagles and BCC species of rangewide concern. For more information on conservation measures you can implement to help avoid and minimize migratory bird impacts and requirements for eagles, please see the FAQs for these topics.

### **Details about birds that are potentially affected by offshore projects**

For additional details about the relative occurrence and abundance of both individual bird species and groups of bird species within your project area off the Atlantic Coast, please visit the [Northeast Ocean Data Portal](#). The Portal also offers data and information about other taxa besides birds that may be helpful to you in your project review. Alternately, you may download the bird model results files underlying the portal maps through the [NOAA NCCOS Integrative Statistical Modeling and Predictive Mapping of Marine Bird Distributions and Abundance on the Atlantic Outer Continental Shelf](#) project webpage.

Bird tracking data can also provide additional details about occurrence and habitat use throughout the year, including migration. Models relying on survey data may not include this information. For additional information on marine bird tracking data, see the [Diving Bird Study](#) and the [nanotag studies](#) or contact [Caleb Spiegel](#) or [Pam Loring](#).

### **What if I have eagles on my list?**

If your project has the potential to disturb or kill eagles, you may need to [obtain a permit](#) to avoid violating the Eagle Act should such impacts occur.

### **Proper Interpretation and Use of Your Migratory Bird Report**

The migratory bird list generated is not a list of all birds in your project area, only a subset of birds of priority concern. To learn more about how your list is generated, and see options for identifying what other birds may be in your project area, please see the FAQ "What does IPaC use to generate the migratory birds potentially occurring in my specified location". Please be aware this report provides the "probability of presence" of birds within the 10 km grid cell(s) that overlap your project; not your exact project footprint. On the graphs provided, please also look carefully at the survey effort (indicated by the black vertical bar) and for the existence of the "no data" indicator (a red horizontal bar). A high survey effort is the key component. If the survey effort is high, then the probability of presence score can be viewed as more dependable. In contrast, a low survey effort bar or no data bar means a lack of data and, therefore, a lack of certainty about presence of the species. This list is not perfect; it is simply a starting point for identifying what birds of concern have the potential to be in your project area, when they might be there, and if they might be breeding (which means nests might be present). The list helps you know what to look for to confirm presence, and helps guide you in knowing when to implement conservation measures to avoid or minimize potential impacts from your project activities, should presence be confirmed. To learn more about conservation measures, visit the FAQ "Tell me about conservation measures I can implement to avoid or minimize impacts to migratory birds" at the bottom of your migratory bird trust resources page.

# Facilities

## National Wildlife Refuge lands

Any activity proposed on lands managed by the [National Wildlife Refuge](#) system must undergo a 'Compatibility Determination' conducted by the Refuge. Please contact the individual Refuges to discuss any questions or concerns.

There are no refuge lands at this location.

## Fish hatcheries

There are no fish hatcheries at this location.

## Wetlands in the National Wetlands Inventory (NWI)

Impacts to [NWI wetlands](#) and other aquatic habitats may be subject to regulation under Section 404 of the Clean Water Act, or other State/Federal statutes.

For more information please contact the Regulatory Program of the local [U.S. Army Corps of Engineers District](#).

This location did not intersect any wetlands mapped by NWI.

**NOTE:** This initial screening does **not** replace an on-site delineation to determine whether wetlands occur. Additional information on the NWI data is provided below.

Data limitations

The Service's objective of mapping wetlands and deepwater habitats is to produce reconnaissance level information on the location, type and size of these resources. The maps are prepared from the analysis of high altitude imagery. Wetlands are identified based on vegetation, visible hydrology and geography. A margin of error is inherent in the use of imagery; thus, detailed on-the-ground inspection of any particular site may result in revision of the wetland boundaries or classification established through image analysis.

The accuracy of image interpretation depends on the quality of the imagery, the experience of the image analysts, the amount and quality of the collateral data and the amount of ground truth verification work conducted. Metadata should be consulted to determine the date of the source imagery used and any mapping problems.

Wetlands or other mapped features may have changed since the date of the imagery or field work. There may be occasional differences in polygon boundaries or classifications between the information depicted on the map and the actual conditions on site.

#### **Data exclusions**

Certain wetland habitats are excluded from the National mapping program because of the limitations of aerial imagery as the primary data source used to detect wetlands. These habitats include seagrasses or submerged aquatic vegetation that are found in the intertidal and subtidal zones of estuaries and nearshore coastal waters. Some deepwater reef communities (coral or tubercid worm reefs) have also been excluded from the inventory. These habitats, because of their depth, go undetected by aerial imagery.

#### **Data precautions**

Federal, state, and local regulatory agencies with jurisdiction over wetlands may define and describe wetlands in a different manner than that used in this inventory. There is no attempt, in either the design or products of this inventory, to define the limits of proprietary jurisdiction of any Federal, state, or local government or to establish the geographical scope of the regulatory programs of government agencies. Persons intending to engage in activities involving modifications within or adjacent to wetland areas should seek the advice of appropriate Federal, state, or local agencies concerning specified agency regulatory programs and proprietary jurisdictions that may affect such activities.

# Appendix 8

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July 29, 2024  
J-2022rev/R-2104

Carmine Finelli  
Chemical Engineer  
Fishbeck  
Delivered electronically

**RE: Reworld Solid Waste Disposer—Cultural Resources Review, Macomb County, Michigan**

Dear Mr. Finelli,

Commonwealth Heritage Group, LLC (Commonwealth) completed a preliminary cultural resources assessment for Fishbeck (Client) for the Reworld Solid Waste Disposer project (Project) at 21750 Hoover Road, City of Warren, Macomb County, Michigan. The Project is in the SW-NW of Section 35, T1N R12E, Macomb County, Michigan (Figure 1 through Figure 5). The Client provided the Project's textual description and an aerial image to Commonwealth.

The proposed Project includes the construction of three non-hazardous waste solidification pits located at 21750 Hoover Road. All work will be confined to the interior of building. These work areas, as defined by the Client, comprise the Project.

The work areas in which ground disturbing activities are planned to occur as well as any permanent and temporary rights-of-way is assumed to be the Project Area, which is the area of potential effects (APE) for archaeological resources (Archaeology APE). Planned ground disturbing activity includes the installation of three solidification pits in the eastern portion of the site building; three soil borings will be advanced using a direct-push drilling rig to approximately 25 feet below ground surface or until groundwater is encountered, whichever occurs first. The Archaeology APE encompasses 0.06 ha (0.15 ac), is 14 m (47 ft) long (east to west), and 42 m (136 ft) wide (north to south).

Due to the interior nature of the work, the assumed Above-Ground APE is 3.8 ha (1.5 ac) and is considered to include those cultural resources (buildings, structures, objects, or sites) that are in the Project Area and the surrounding parcel to account for any indirect effects, such as changes in setting.

This letter report provides the results of the background research as well as an assessment of the potential for the APE to contain National Register of Historic Places (NRHP) eligible or listed historic properties that are protected under NHPA. For the background research, Commonwealth conducted a literature review at the Michigan SHPO compiling information regarding previously

identified archaeological sites and surveys in the Archaeology APE and in a 1.6-km (1.0-mi) area surrounding the Archaeology APE (Archaeology Study Area). Commonwealth compiled information derived from a review of historic aerials and maps and online soils data for understanding the archaeological potential in the Archaeology APE. The literature review for the Above-Ground APE and Above-Ground Study Area, which extends in a radius of 0.8 km (0.5 mi) beyond the project location, to identify previously recorded above-ground resources is incomplete due to the inaccessibility of Michigan SHPO architectural property records at the time of this report. Michigan SHPO is in the process of upgrading their architectural property records database resulting in inaccessible files. The database is not expected to be accessible until 2025. A cursory search of NRHP records was conducted and the results of this research are reported upon in this report.

## Archaeological Review

### *Soils*

The Archaeology APE is 192 m (628 ft) above mean sea level and 10.8 km (6.5 mi) west of Lake St. Clair. According to the Michigan State University Extension (2022), Precontact period vegetation was beech-sugar maple forest. The Archaeology APE is in the Maumee Lake Plain sub-subsection of Albert's (1995) landscape ecosystem framework for the Upper Great Lakes. This sub-subsection is characterized as consisting of a flat, clay lake plain with beech-sugar maple and elm-ash forests, deciduous swamp, white oak-black oak savannas, wet prairies, and coastal marshes. The climate, moderated by Lake Erie and Lake St. Clair, and the loamy soils of this area made it conducive to "early and intensive agricultural development" (Albert 1995). The Natural Resource Conservation Service (NRCS) lists one soil type, Urban land-Riverfront complex, dense substratum, 0 to 4 percent slopes, soils present in the APE (Table 1; Figure 6).

**Table 1. Soil type in the APE**

Soil Code	Soil Name	Drainage	Associated Landforms	Parent Material	Acres	% of Soil in APE
UrbarB	Urban land-Riverfront complex, dense substratum, 0 to 4 % slopes	Well drained	Deltas, water-lain moraines, wave-worked till plains	Loamy human-transported material over clayey lodgment till	0.15	100.0%
Total					0.15	100.0%

### *Historic Land Use*

Commonwealth reviewed the original Bureau of Land Management General Land Office (BLM GLO) survey map that includes Section 35 in T1N R12E, as well as other historical plat map (Geil & Jones et al. 1859; Ogle 1895, 1916; Stewart 1875), U.S. Geological Survey (USGS) topographic maps and aerial images that include the Archaeological APE.

The original survey map for T1N R12E was approved in 1818 (BLM GLO 1822) and shows the area of potential effect overlapping a featureless expanse of the 640 acres that make up Section 35. No transportation routes, evidence of settlement, or natural features are depicted in the

vicinity of the Archaeology APE. Records maintained by the Bureau of Land Management reveal that the northwest quarter of Section 35 was sold to Leprelette H. Moore in 1837 (BLM GLO 1837: MI0250\_\_494). A historical map of Macomb County from 1959 show the Archaeology Ape overlaps a 60-acre parcel owned by F. Schim and that a structure was erected northwest of the Archaeology APE (Geil & Jones et al. 1859).

The plat maps reveal that the Archaeology APE overlapped a parcel of land owned by C. Seifferlein in 1875, John A. Brown in 1895, and L. Brown in 1916 (Ogle 1895, 1916; Stewart 1875). The plat maps also reveal the Archaeological APE contained no structures or cultural features throughout the last quarter of the 19<sup>th</sup> century and into the early 20<sup>th</sup> century.

Commonwealth reviewed 19 aerial images taken from 1951 through 2024 (Google Earth Pro 2024; NETROnline 2024). The aerial image taken in 1951 shows the Archaeology APE as undeveloped land. According to the aerial images the building that overlays the Archaeology APE was constructed by 1955 and that it remains through 2024 (Google Earth Pro 2024; NETROnline 2024).

### ***Archaeological Sites and Surveys***

According to the Michigan SHPO files, no previously recorded archaeological sites are in the Archaeological APE and no previously recorded archaeological investigations occurred in the Archaeological APE. Additionally, Michigan SHPO files indicate that no previously recorded archaeological sites are in the Archaeology Study Area and that no previously recorded archaeological investigation occurred in the Archaeological Study Area, the 1.6-km (1.0-mi) area surrounding the Archaeological APE (Figure 7).

### ***Potential for Deeply Buried Soils***

In addition to surface and near-surface soils that may harbor archaeological resources, cultural materials and features may become buried beneath significant amounts of sediment. Research by Monaghan and Lovis (2005) concluded that deeply buried soils, and therefore deeply buried cultural resources, have an increased likelihood where fluvial deposits overlies alluvial deposits as a result of waterways breaching their banks. Monaghan and Lovis (2005) developed a geoarchaeological model for southeastern Michigan that takes these effects into account and rates area likelihood from Low to High-Very High.

Figure 8 shows the results of the Monaghan and Lovis (2005) model applied to the APE and Archaeology Study Area. Soils in the entire Archaeology APE are rated as Low, which is assigned to areas “typically not within floodplains, mid-Holocene Lake plains, or other areas where site burial is likely. Areas within urban settings, however, may include sites buried by historic cultural fills related to urbanization” (Monaghan and Lovis 2005: 194). Deep testing is not recommended in these areas.

## Above-Ground Resources

The Reworld Solid Waste Disposer Project activities will be confined to inside the building at 21750 Hoover Road. The Above-Ground APE that accounts for indirect effects is therefore considered to include those cultural resources (buildings, structures, objects, or sites) that are in the parcel surrounding the Project Area. The Above-Ground Study Area extends 0.8 km (0.5 mi) beyond the Project location. Literature review for the Above-Ground APE and Study Area to identify previously recorded above-ground resources is incomplete due to the inaccessibility of Michigan SHPO architectural property records at the time of this report. Michigan SHPO is in the process of upgrading their architectural property record database resulting in inaccessible files. The database is not expected to be accessible until 2025. A cursory search of NRHP records indicates there are not any NRHP-listed resources in the Above-Ground Study Area (see Figure 2). It is possible that there are NRHP-listed and NRHP-eligible resources in the Above-Ground Study Area, however, because the planned work will be constrained to the interior of the building, it is unlikely that any previously identified historic resource in the Above-Ground Study Area will be affected by the work.

Through field survey, Commonwealth identified one above-ground resource in the Above-Ground APE that is more than 50 years of age, the building at 21750 Hoover Road, which encompasses the Project Area (Figure 9 through Figure 12). The building and Project Area were photographed on June 27, 2024, by a Commonwealth architectural historian as part of the Section 106 form submission. The Mid-Twentieth Century industrial building was constructed ca. 1954, and a large addition on the east elevation was built in 1997 (BS&A Online 2024; NETROnline 2024). The building retains integrity of location, setting, feeling, and association, however, integrity of design, materials, and workmanship have been diminished due to the large addition and alterations to the fenestration. It is a typical example of its form and style and does not rise to the level of significance required for listing in the NRHP under Criteria C for architecture. The building is therefore not considered a historic resource. The planned work includes the construction of three non-hazardous waste solidification pits located inside the building at 21750 Hoover Road. It is anticipated that as planned, the proposed Project will have no effects on historic above-ground properties.

## Recommendations

According to the Michigan SHPO files, no previously recorded archaeological sites are in the Archaeology APE. Therefore, the Project as planned will not affect previously recorded archaeological sites listed in or eligible for listing in the NRHP. Proposed ground disturbing activities, the excavation of three non-hazardous waste solidification pits, will occur within the footprint of the building. According to the Monaghan and Lovis (2005) model of the potential for deeply buried soils, the potential for deeply buried soils in the entire Archaeology APE rates Low and does not necessitate deep testing prior to boring activity. Therefore, Commonwealth recommends no further archaeological investigation of the APE.


Literature review for the Above-Ground APE and Study Area to identify previously recorded above-ground resources is incomplete due to the inaccessibility of Michigan SHPO architectural property records at the time of this report. A cursory search of NRHP records indicates there are

not any NRHP-listed resources in the Above-Ground Study Area. It is possible that there are additional NRHP-listed and NRHP-eligible resources in the Above-Ground Study Area, however, because the planned work will be constrained to the interior of the building, it is unlikely that any previously identified historic resources in the Above-Ground Study Area will be affected by the work.

Commonwealth identified one above-ground resource more than 50 years of age in the Above-Ground APE, the building at 21750 Hoover Road, which encompasses the Project Area. The Mid-Twentieth Century industrial building was constructed ca. 1954. It is a typical example of its form and style and does not rise to the level of significance required for listing in the NRHP under Criteria C for architecture. The building is therefore not considered a historic resource. The planned work includes the construction of three non-hazardous waste solidification pits which will be constrained inside the building. It is anticipated that as planned, the proposed Project will have no effects on historic above-ground properties.

Commonwealth is pleased to have been able to assist with your cultural resource review. Please do not hesitate to contact either of us or Ethan Epstein (715-482-0273; ethan.epstein@chg-inc.com), Regional Director of Archaeology, if you have any questions or concerns related to this letter or require assistance with future cultural resources projects.

Sincerely,

  
Mark Hoock  
Associate Archaeologist  
mhook@chronicleheritage.com  
P: 585-208-6904

  
Sarah Reyes, MS  
Associate Architectural Historian  
sreyes@chg-inc.com  
P: 734.434.2980

### ***Freedom of Information Act (FOIA) Notice***

The location of any archaeological site is considered sensitive information and is protected from release under the Freedom of Information Act (FOIA). Site location data should not be released to the public because the information may create a risk, harm, theft, or destruction of a non-renewable resource. Information on archaeological sites should only be shared with those individuals directly involved with the subject project. Archaeological site information should not be used for future unrelated projects.

## References Cited

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NETROnline

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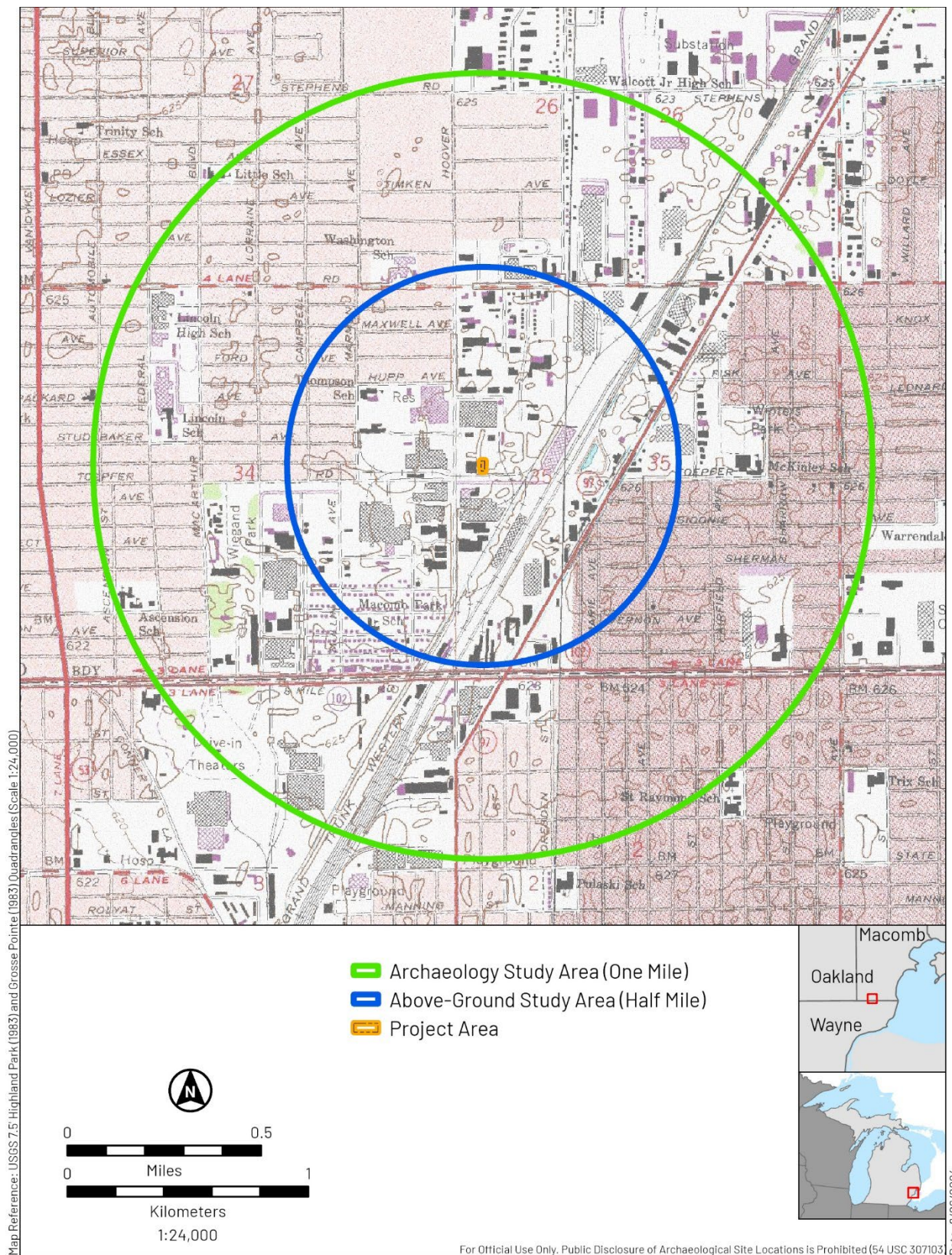
1916 *Standard Atlas of Macomb County Michigan*. Geo. A. Ogle & Co., Chicago,  
Illinois.

Stewart, D.J.

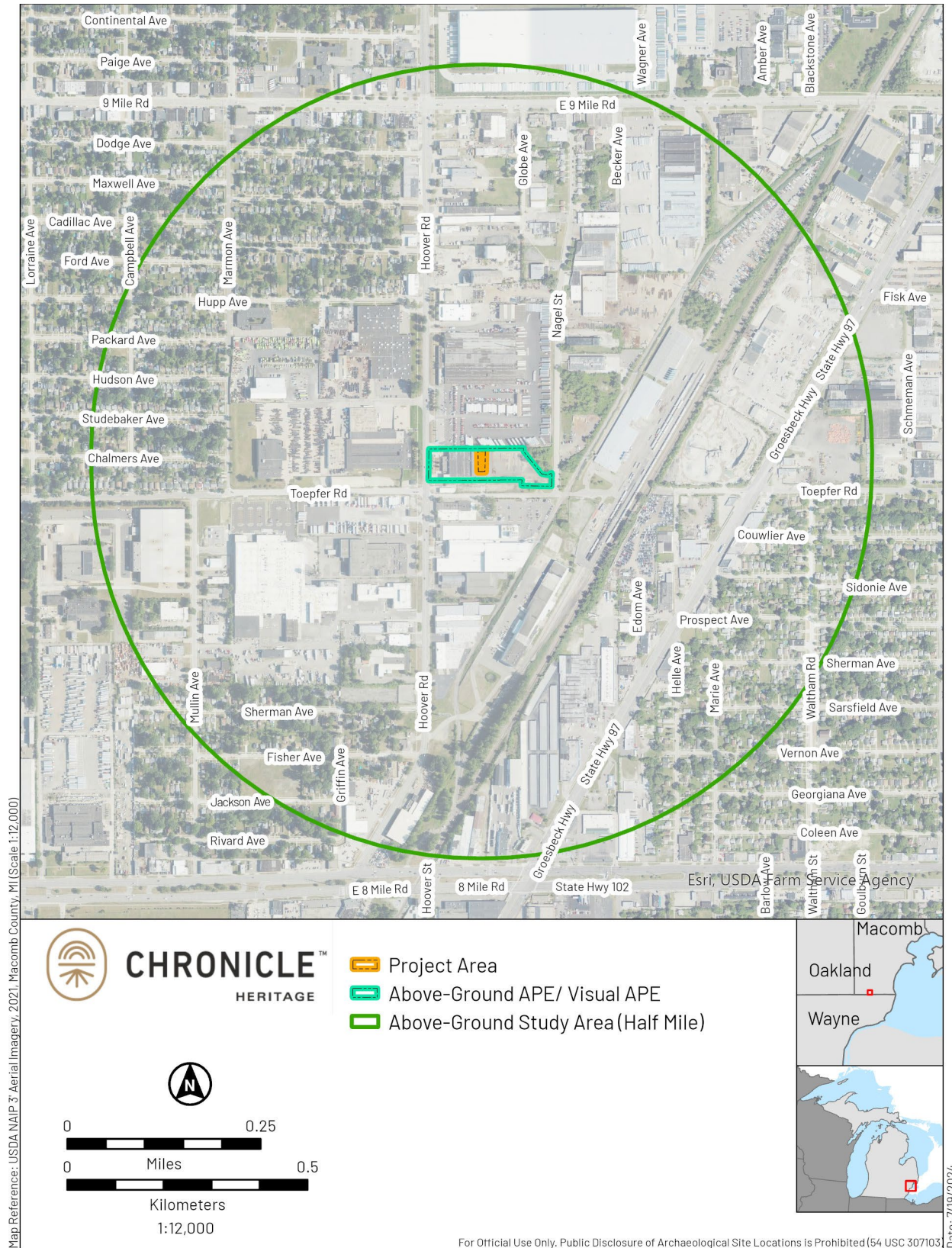
1875 *Combination Atlas Map of Macomb County, Michigan*. Thomas Hunter,  
Philadelphia, Pennsylvania.

## Figures

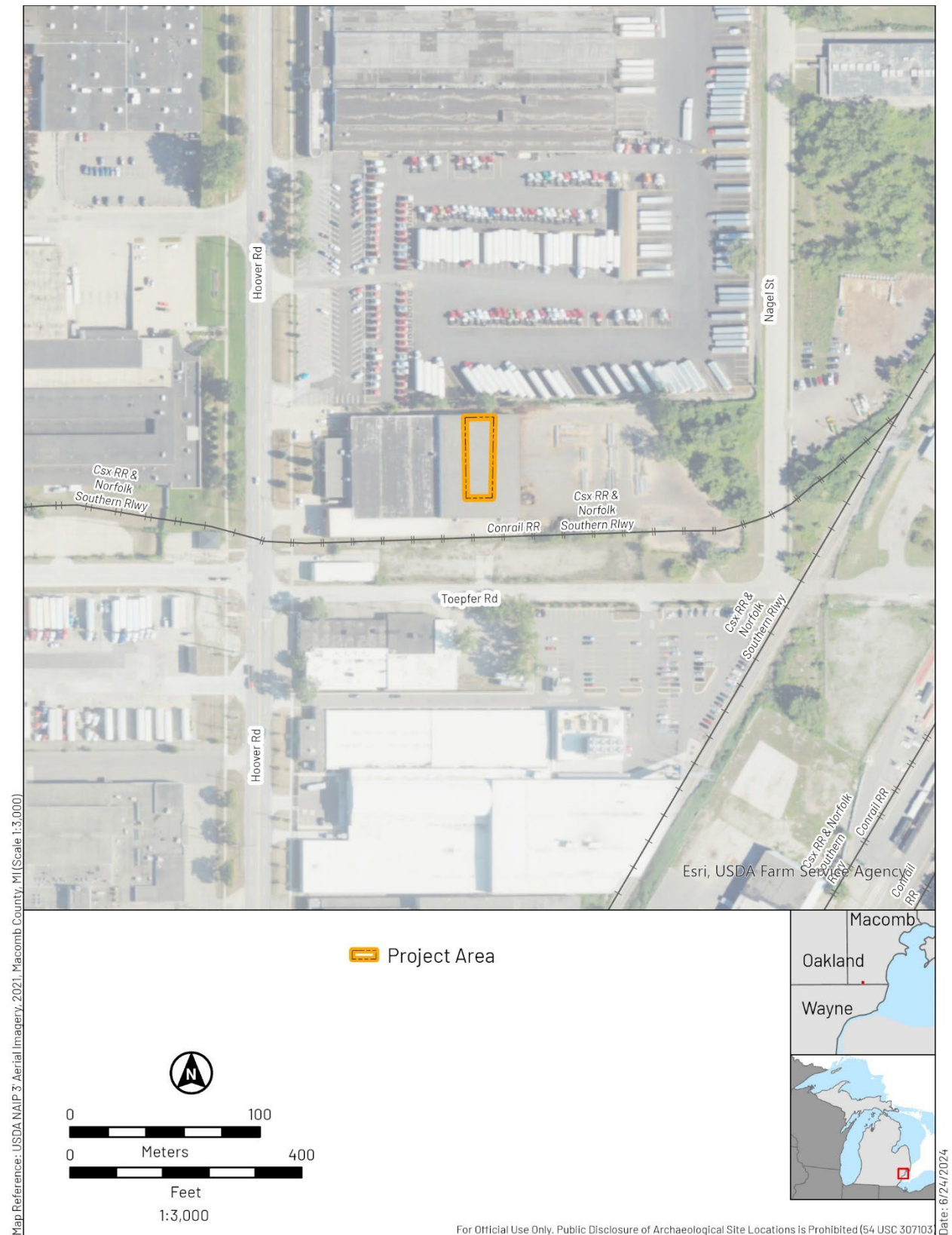
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**Figure 1. Project location (1:24,000 topographic map)**



**Figure 2. Project location with Above-Ground APE and Study Area**



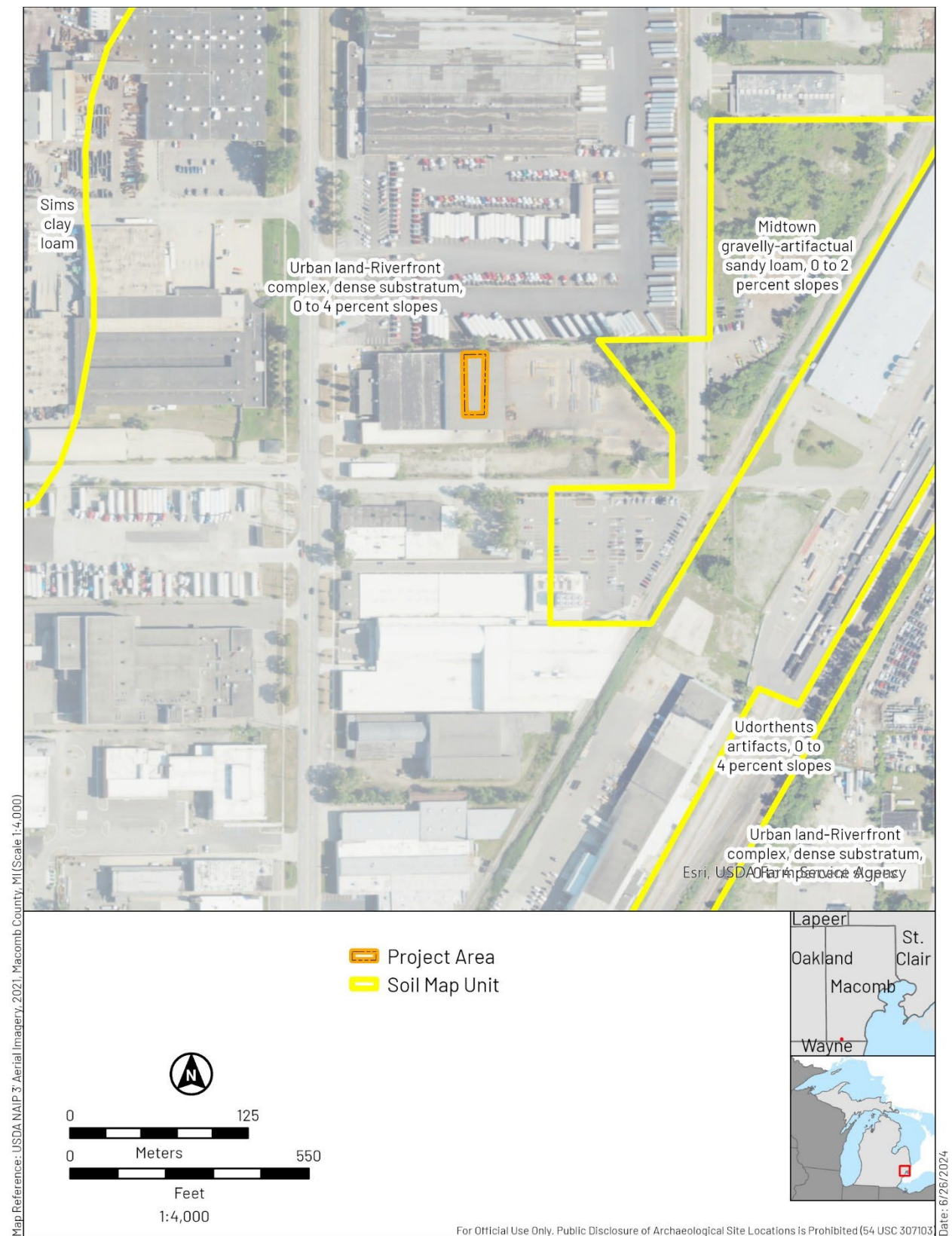
**Figure 3. Project location displayed on a 2021 aerial image**



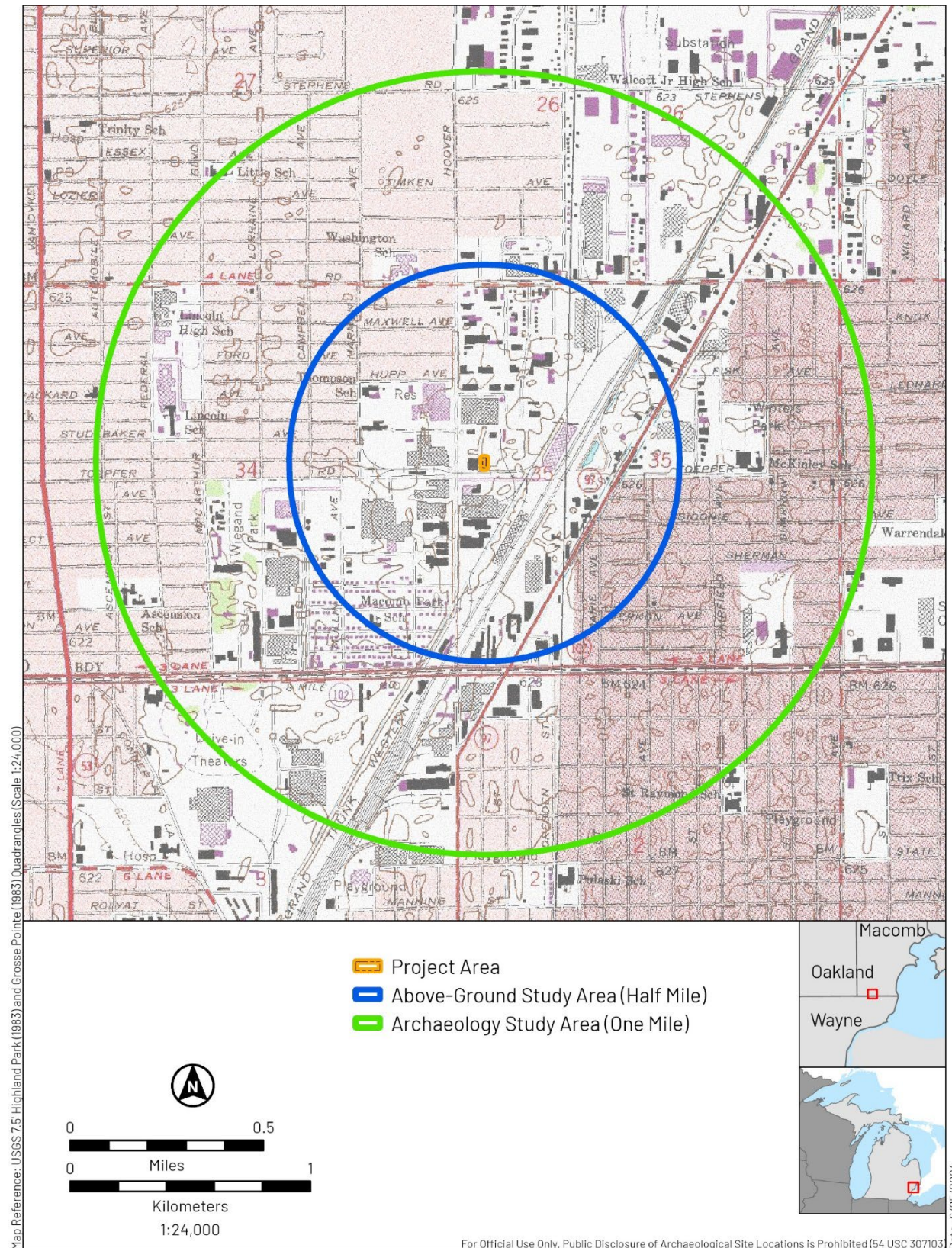
**Figure 4. Project Area, 21750 Hoover Road, view to the northwest**



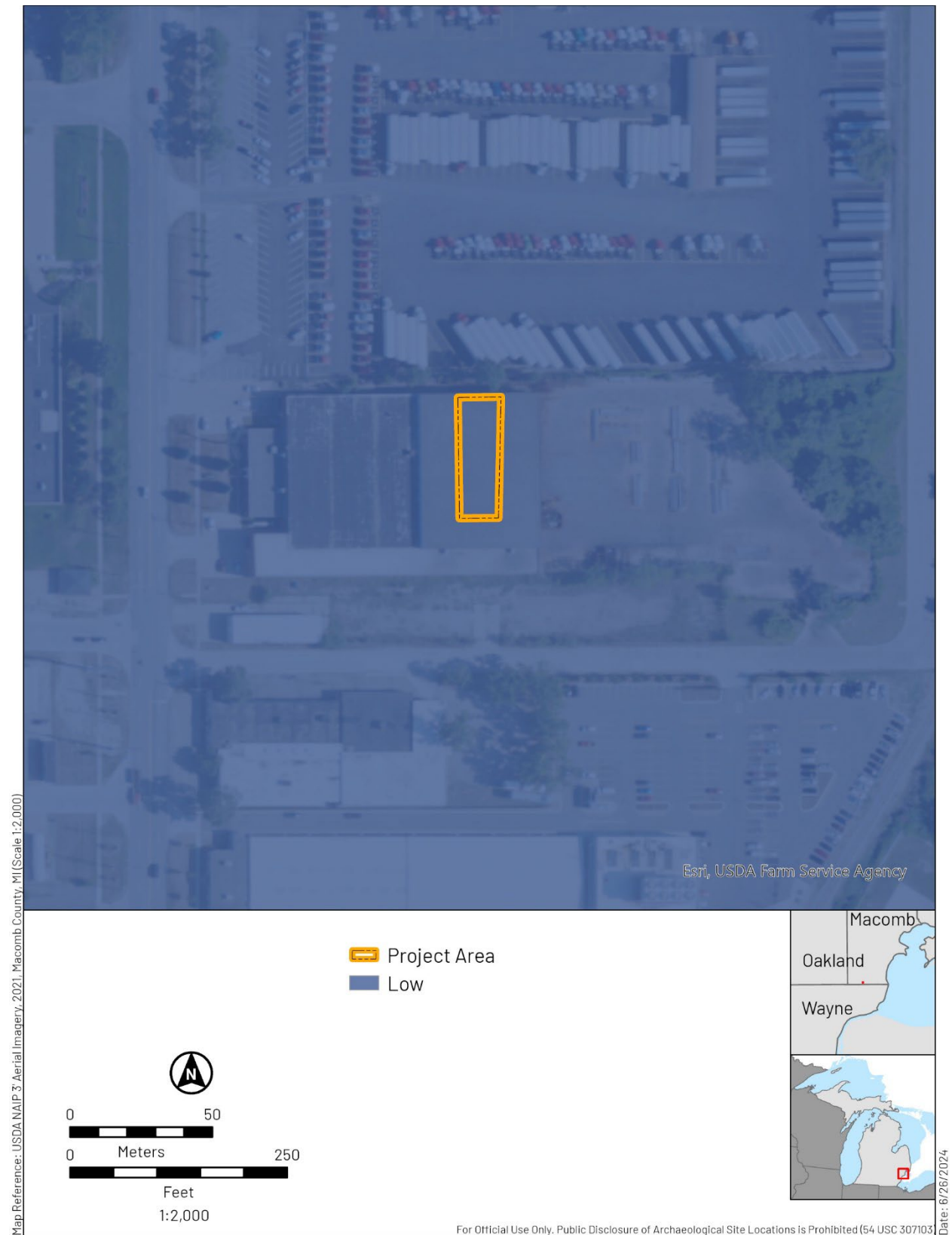
**Figure 5. Project Area, 21750 Hoover Road, view to the north**



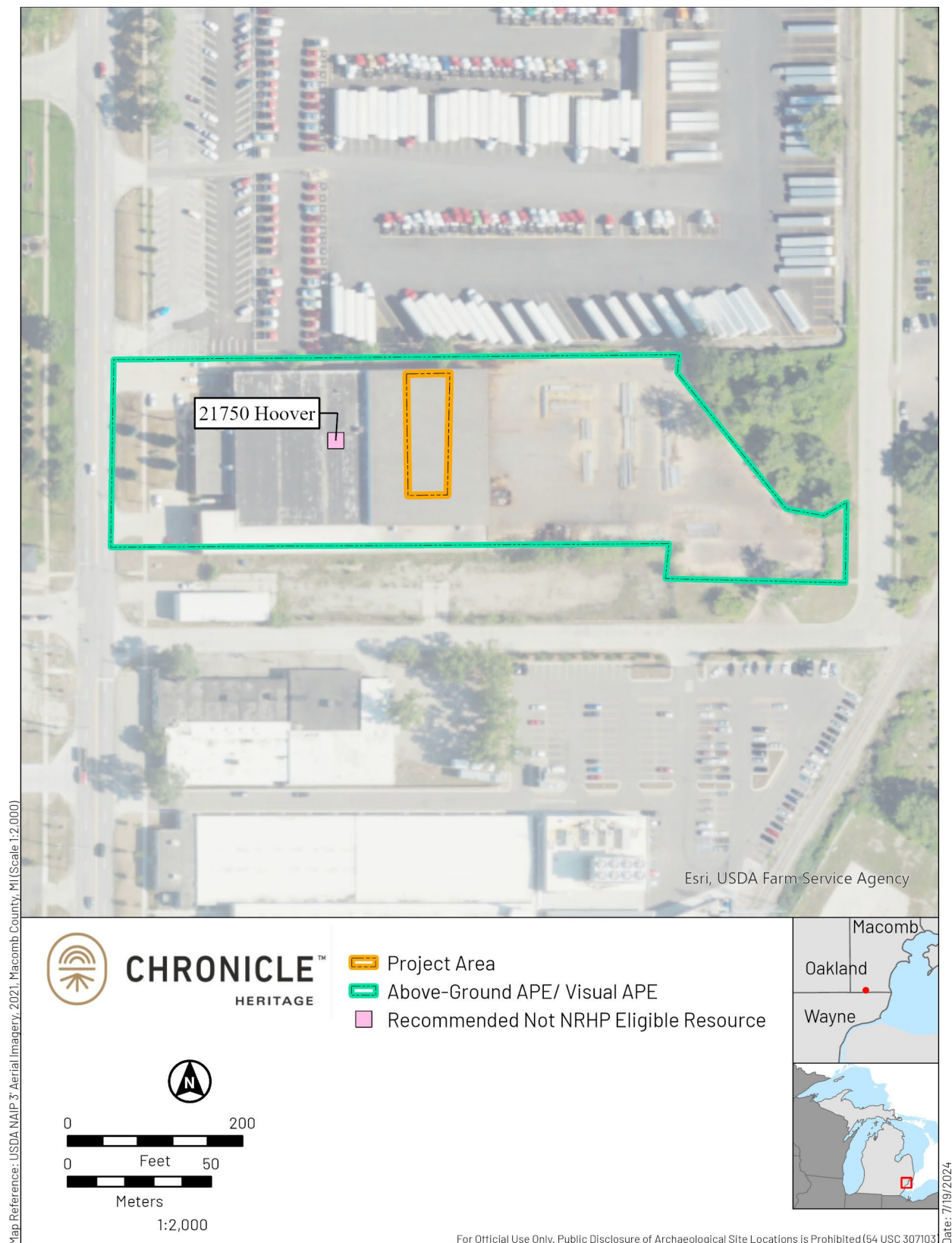
**Figure 6. Soils in and near the Project Area**



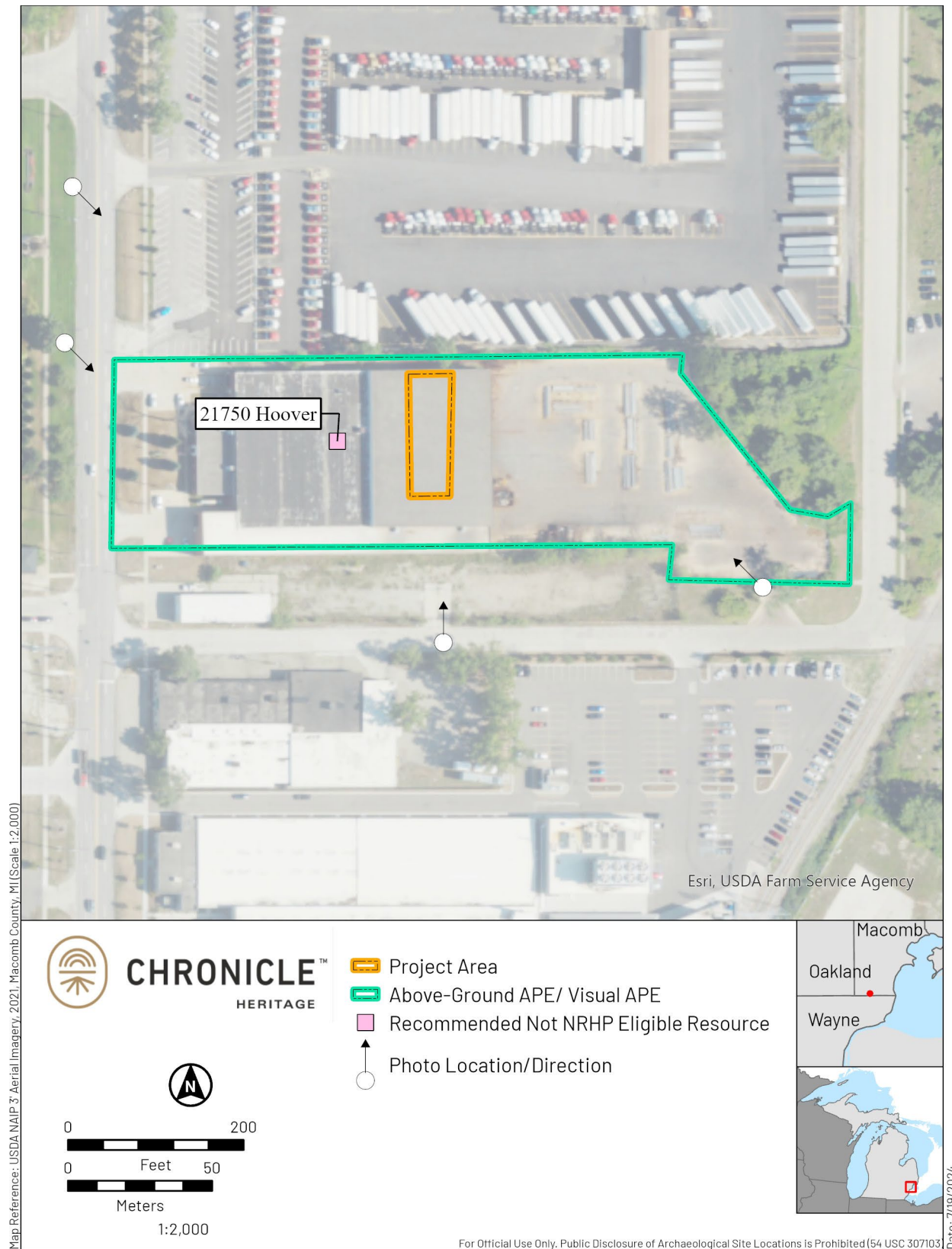
**Figure 7. Archaeological sites and investigations (none within Archaeology APE or Archaeology Study Area)**



**Figure 8. Buried soils potential in the Project Area and surrounding area**



**Figure 9. Above-Ground APE and above-ground resources more than 50 years old**



**Figure 10. Above-Ground APE and above-ground resources more than 50 years old and photo directions**



**Figure 11. 21750 Hoover Road, view to the southeast**



**Figure 12. 21750 Hoover Road, view to the southeast**

## **ID Form**

# Michigan SHPO Architectural Properties Identification Form

Property Overview and Location



Street Address	21750 Hoover Road		
City/Township, State, Zip Code	Warren, MI 48089		
County	Macomb		
Assessor's Parcel #			
Latitude/Longitude (to the 6 <sup>th</sup> decimal point)	Lat:	Long:	
Ownership	Private <input checked="" type="checkbox"/>	Public-Local <input type="checkbox"/>	Public-State <input type="checkbox"/> Public-Federal <input type="checkbox"/> Multiple <input type="checkbox"/>

## Property Type

(Insert primary photograph below.)

Building <input checked="" type="checkbox"/> select sub-type below	Structure <input type="checkbox"/>
Commercial <input type="checkbox"/>	Object <input type="checkbox"/>
Residential <input type="checkbox"/>	
Industrial <input checked="" type="checkbox"/>	
Other <input type="checkbox"/>	



## Architectural Information

Construction Date	Ca. 1954, 1997
Architectural Style	Mid-Twentieth Century Industrial
Building Form	Rectilinear
Roof Form	Flat
Roof Materials	Unknown
Exterior Wall Materials	Brick
Foundation Materials	Concrete
Window Materials	Metal
Window Type	Fixed
Outbuildings	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>
Number/Type:	

## Eligibility

Individually Eligible	Criterion A <input type="checkbox"/>	Criterion B <input type="checkbox"/>	Criterion C <input type="checkbox"/>	Criterion D <input type="checkbox"/>
Criteria Considerations:	a. <input type="checkbox"/> b. <input type="checkbox"/> c. <input type="checkbox"/> d. <input type="checkbox"/> e. <input type="checkbox"/> f. <input type="checkbox"/> g. <input type="checkbox"/>			
Component of a Historic District	Contributing to a district <input type="checkbox"/>	Non-contributing to a district <input type="checkbox"/>	Historic District Name:	
Not Eligible <input checked="" type="checkbox"/>				
Area(s) of Significance				
Period(s) of Significance				
Integrity – Does the property possess integrity in all or some of the 7 aspects?				
Location <input checked="" type="checkbox"/>	Design <input type="checkbox"/>	Materials <input type="checkbox"/>	Workmanship <input type="checkbox"/>	Setting <input checked="" type="checkbox"/> Feeling <input checked="" type="checkbox"/> Association <input checked="" type="checkbox"/>
General Integrity:	Intact <input type="checkbox"/>	Altered <input checked="" type="checkbox"/>	Moved <input type="checkbox"/>	Date(s):
Historic Name				
Current/Common Name				
Historic/Original Owner				
Historic Building Use	Industrial			
Current Building Use	Industrial			
Architect/Engineer/Designer				
Builder/Contractor				

Survey Date	June 27, 2024	Recorded By	S. Reyes	Agency Report #	
-------------	---------------	-------------	----------	-----------------	--

For SHPO Use Only	SHPO Concurrence?: Y / N	Date:	
-------------------	--------------------------	-------	--

Form date: 6/25/2019

## Narrative Architectural Description

*Provide a detailed description of the property, including all character defining features and any accessory resources.*

The Mid-Twentieth Century industrial building at 21750 Hoover Road is positioned slightly north of the of the Hoover and Toepfer Road intersection, and spans between Hoover Road and Nagel Street. The parcel is irregularly shaped so that it does not include the entirety of the land north of Toepfer Road between Hoover Road and Nagel Street. The building is positioned at the west end of the property and fills the width of the lot. Paved driveways provide access to the property at the north and south ends from Hoover Road, and from Toepfer Road at the east end of the parcel. A concrete sidewalk spans the west property line, and a parking lot fills the eastern half of the lot. Small patches of grass flank the driveways and a small lawn is positioned west of the building.

The building is nearly rectilinear in shape and varies in height. The facade features a brick clad, one-story section at the center of the elevation that likely houses business offices. A glass door with sidelights and transom is positioned at the center, highlighted by a surround that rises above the flat roof and is clad in contrasting stucco. The entry is flanked by bays of paired and tripartite fixed metal sashes surrounded by contrasting continuous sills and lintels that connect at the outer bays. The south end of the building has a two-story section with a single-bay overhead and steel pedestrian door on the west elevation. The roof rises to two stories in height east of the office section and has continuous bays of metal industrial windows spanning the west elevation. A section of brick wraps to the south elevation but ends abruptly with the remaining elevation composed of painted concrete block. The south elevation appears to have no fenestration. The north end of the building recesses behind the office section and has below grade, concrete dock with an overhead door and steel pedestrian door on the west elevation. The north elevation appears to have no fenestration. The addition on the east elevation is composed of concrete block and has a series of overhead doors on the east elevation.

## History of the Resource

*Provide information on previous owners, land use, construction and alteration dates in a narrative format. This is required for all intensive level surveys and designation and recommended for other identification efforts.*

The Mid-Twentieth Century industrial building at 21750 Hoover Road was constructed ca. 1954, and a large addition on the east elevation was built in 1997 (BS&A Online 2024; NETROnline 2024).

## Statement of Significance/Recommendation of Eligibility

*Provide a detailed explanation of the property's eligibility for the National Register, including an evaluation under at least one of the four criteria, discussion of the seven aspects of integrity, and recommendations about eligibility. This is required for all properties.*

The Mid-Twentieth Century industrial building at 21750 Hoover Road retains integrity of location, setting, feeling, and association. The integrity of design, materials, and workmanship have been diminished due to the large addition on the east elevation, and alterations to the fenestration. It is a typical example of its form and style and does not rise to the level of significance required for listing in the NRHP under Criteria C for architecture. The building is recommended not eligible for listing in the NRHP.

## References

*List references used to research and evaluate the individual property.*

BS&A Online  
2024 BS&A Online Source for Municipal Data. <https://www.bsaonline.com/Home/WelcomePage>.

NETROnline  
2024 Historic Aerials. Electronic Database, <https://www.historicaerials.com/viewer>.

# Appendix 9

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**21750 Hoover Road**

21750 Hoover Road

Warren, MI 48089

Inquiry Number: 7414071.2s

August 10, 2023

## The EDR Radius Map™ Report with GeoCheck®



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

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Orphan Summary .....	594
Government Records Searched/Data Currency Tracking .....	GR-1

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Physical Setting Source Summary .....	A-2
Physical Setting SSURGO Soil Map .....	A-5
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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

21750 HOOVER ROAD  
WARREN, MI 48089

#### COORDINATES

Latitude (North):	42.4567380 - 42° 27' 24.25"
Longitude (West):	83.0038780 - 83° 0' 13.96"
Universal Transverse Mercator:	Zone 17
UTM X (Meters):	335228.0
UTM Y (Meters):	4702220.5
Elevation:	625 ft. above sea level

### USGS TOPOGRAPHIC MAP ASSOCIATED WITH TARGET PROPERTY

Target Property Map:	14468149 HIGHLAND PARK, MI
Version Date:	2019
East Map:	14450092 GROSSE POINTE, MI
Version Date:	2019

### AERIAL PHOTOGRAPHY IN THIS REPORT

Portions of Photo from:	20200630
Source:	USDA

# MAPPED SITES SUMMARY

Target Property Address:  
21750 HOOVER ROAD  
WARREN, MI 48089

Click on Map ID to see full detail.

MAP ID	SITE NAME	ADDRESS	DATABASE ACRONYMS	RELATIVE ELEVATION	DIST (ft. & mi.) DIRECTION
<a href="#">A1</a>	NIAGARA LASALLE CORP	21750 HOOVER ROAD	MI NPDES, MI WDS		TP
<a href="#">A2</a>	NIAGARA LASALLE CORP	21750 HOOVER ROAD	FINDS		TP
<a href="#">A3</a>	NIAGARA LASALLE CORP	21750 HOOVER ROAD	ECHO		TP
<a href="#">A4</a>	DY CHEM PROD CO	21703 HOOVER RD	MI LUST, MI UST, RCRA NonGen / NLR, FINDS, ECHO	Higher	35, 0.007, SSW
<a href="#">B5</a>	NEXEO SOLUTIONS LLC	12005 TOEPFER RD	RCRA-VSQG, FINDS, ECHO	Higher	111, 0.021, East
<a href="#">C6</a>	M & D TOWING	21780 HOOVER RD	EDR Hist Auto	Higher	123, 0.023, WNW
<a href="#">D7</a>	HOOVER STEEL TREATIN	21641 HOOVER RD	RCRA NonGen / NLR, ICIS, FTTS, HIST FTTS, FINDS,...	Higher	127, 0.024, WSW
<a href="#">C8</a>	MACHINERY PLAZA	21777 HOOVER	MI INVENTORY, MI VCP	Higher	142, 0.027, WNW
<a href="#">B9</a>	12001-12005 TOEPFER	12001 TOEPFER ROAD	MI INVENTORY, MI BEA, MI VCP	Higher	193, 0.037, East
<a href="#">E10</a>	EQUIPMENT MANUFACTUR	21550 HOOVER RD	MI UST	Higher	228, 0.043, SSE
<a href="#">E11</a>	EQUIPMENT MANUFACTUR	21550 HOOVER RD	MI LUST, MI BROWNFIELDS, MI PART 201, MI...	Higher	228, 0.043, SSE
<a href="#">E12</a>	EQUIPMENT MFG INC	21550 HOOVER RD	RCRA NonGen / NLR, FINDS, ECHO	Higher	228, 0.043, SSE
<a href="#">F13</a>	CARGO-FLO	12010 TOEPFER RD	RCRA-VSQG	Higher	231, 0.044, SE
<a href="#">F14</a>	CARGOFLOW FACILITY	12010 TOEPFER RD	MI LUST, MI UST, MI NPDES, MI WDS	Higher	231, 0.044, SE
<a href="#">D15</a>	WOLVERINE METAL CO I	21601 HOOVER RD	MI LUST, MI UST, MI BEA, MI WDS	Higher	260, 0.049, SW
<a href="#">D16</a>	TECHNICAL SERVICE PR	21601 HOOVER RD	RCRA NonGen / NLR, FINDS, ECHO	Higher	260, 0.049, SW
<a href="#">17</a>	INDUSTRIAL FOAMCRAFT	21900 HOOVER RD	RCRA NonGen / NLR, FINDS, ECHO	Higher	446, 0.084, North
<a href="#">G18</a>	GIBBS MACHINERY CO	21500 21550 21590 HO	MI VCP	Higher	454, 0.086, South
<a href="#">G19</a>	GIBBS MACHINERY CO	21500 21550 21590 HO	MI VCP	Higher	454, 0.086, South
<a href="#">G20</a>	GIBBS MACHINERY CO	21500 21550 21590 HO	MI INVENTORY, MI PART 201, MI BEA, MI WDS	Higher	454, 0.086, South
<a href="#">G21</a>	GIBBS MACHINERY CO	21500 21550 21590 HO	MI VCP	Higher	454, 0.086, South
<a href="#">G22</a>	GIBBS MACHINERY CO	21500 21550 21590 HO	MI VCP	Higher	454, 0.086, South
<a href="#">H23</a>	WOLVERINE DIE CAST L	22550 NAGEL AVE	RCRA-VSQG, FINDS, ECHO	Higher	547, 0.104, NE
<a href="#">H24</a>	22550 NAGEL STREET	22550 NAGEL STREET	MI INVENTORY, MI AIRS, MI BEA, MI WDS, MI VCP	Higher	547, 0.104, NE
<a href="#">I25</a>	AJAX METAL PROCESSIN		PFAS ECHO	Higher	554, 0.105, NNW
<a href="#">J26</a>	CCT DE'COUPER INDUST	21535 HOOVER RD	RCRA-VSQG, FINDS, ECHO	Higher	668, 0.127, SW
<a href="#">J27</a>	CCT DELICOUPEUR INDUS	21535 HOOVER	MI INVENTORY, MI BEA, MI VCP	Higher	668, 0.127, SW
<a href="#">J28</a>	CCT DE'COUPER IND	21535 HOOVER RD	MI LUST, MI UST, MI BEA, MI WDS	Higher	668, 0.127, SW
<a href="#">G29</a>	GIBBS MACHINERY CO	21500 HOOVER RD	MI UST	Higher	669, 0.127, South
<a href="#">I30</a>	COLD HEADING CO	22155 HOOVER RD	MI LUST, MI UST, MI WDS	Higher	693, 0.131, NNW
<a href="#">H31</a>	SMS TECHNICAL SERVIC	22600 NAGEL ST	MI INVENTORY, MI BEA, MI NPDES, MI WDS, MI VCP	Higher	699, 0.132, NE
<a href="#">H32</a>	SMS TECHNICAL SERVIC	22600 NAGEL ST	RCRA NonGen / NLR, FINDS, ECHO	Higher	699, 0.132, NE
<a href="#">K33</a>	RITE WAY TOOL-DIE &	21547 HELLE AVE	MI INVENTORY, MI WDS, MI VCP	Higher	760, 0.144, ESE
<a href="#">K34</a>	21547 HELLE	21547 HELLE	MI BEA	Higher	760, 0.144, ESE
<a href="#">L35</a>	CALGON CORP	21441 HOOVER RD	MI AUL, MI BEA, MI WDS	Higher	809, 0.153, SSW
<a href="#">L36</a>	CALGON CORP	21441 HOOVER RD	RCRA NonGen / NLR, FINDS, ECHO	Higher	809, 0.153, SSW
<a href="#">L37</a>	HOOKEER CHEMICAL & PL	21441 HOOVER RD	MN MANIFEST	Higher	809, 0.153, SSW
<a href="#">L38</a>	ENTHONE OMI INC	21441 HOOVER RD	SEMS-ARCHIVE, CORRACTS, RCRA-TSDF, US INST...	Higher	809, 0.153, SSW
<a href="#">39</a>	AJAX METAL PROCESSIN	22105 HOOVER RD	RCRA-LQG, TRIS, FINDS, ECHO	Higher	809, 0.153, WNW

# MAPPED SITES SUMMARY

Target Property Address:  
21750 HOOVER ROAD  
WARREN, MI 48089

Click on Map ID to see full detail.

MAP ID	SITE NAME	ADDRESS	DATABASE ACRONYMS	RELATIVE ELEVATION	DIST (ft. & mi.) DIRECTION
<a href="#">L40</a>	ETHONE-OMI (FORMER)	21441 AND 21445 HOOV	MI INVENTORY, MI BEA, MI VCP	Higher	810, 0.153, SSW
<a href="#">L41</a>	EMERALD BUSINESS PAR	21445 HOOVER RD	RCRA NonGen / NLR	Higher	810, 0.153, SSW
<a href="#">L42</a>	21445 HOOVER PROPERT	21445 HOOVER ROAD	US BROWNFIELDS	Higher	810, 0.153, SSW
<a href="#">L43</a>	ENTHONE OMI INC		PFAS ECHO	Higher	858, 0.162, SSW
<a href="#">K44</a>	WORKBLADES INC	21535 GROESBECK HWY	RCRA NonGen / NLR	Lower	985, 0.187, ESE
<a href="#">M45</a>	RELIANT INDUSTRIES I	21415 GROESBECK HWY	RCRA-VSQG	Higher	986, 0.187, ESE
<a href="#">46</a>	AJAX BOLT & SCREW DI	11550 HUPP AVE	MI LUST, MI UST	Higher	1025, 0.194, NW
<a href="#">47</a>	NIAGARA LASALLE	22700 NAGEL ST	MI LUST, MI UST, MI NPDES	Higher	1029, 0.195, NNE
<a href="#">M48</a>	21493 GROESBECK HIGH	21493 GROESBECK HIGH	MI INVENTORY, MI BEA	Lower	1054, 0.200, ESE
<a href="#">M49</a>	21493 GROESBECK HIGH	21493 GROESBECK HIGH	MI VCP	Lower	1054, 0.200, ESE
<a href="#">N50</a>	B AND L PLATING INC	21353 EDOM AVE	RCRA-VSQG, ICIS, US AIRS, FINDS, ECHO	Higher	1073, 0.203, SE
<a href="#">O51</a>	AMERICAN FELT & FILT	21400 HOOVER RD	RCRA NonGen / NLR, FINDS, ECHO	Higher	1075, 0.204, South
<a href="#">O52</a>	DETROIT RADIANT PROD	21400 HOOVER RD	MI AST	Higher	1075, 0.204, South
<a href="#">P53</a>	GRAPHIC ASSOCIATES I	21325 HOOVER RD	RCRA-VSQG, FINDS, ECHO	Higher	1085, 0.205, SSW
<a href="#">54</a>	RENO MACHINERY & ENG	21401 HOOVER RD	MI LUST, MI UST, MI BEA, MI WDS	Higher	1092, 0.207, SSW
<a href="#">N55</a>	B&L PLATING, INC.		PFAS ECHO	Higher	1100, 0.208, SE
<a href="#">Q56</a>	IRENE WOLF	22525 HOOVER RD	RCRA-VSQG	Higher	1133, 0.215, NNW
<a href="#">57</a>	RENE VANASSCHE & SON	21530 GROESBECK HWY	MI LUST, MI UST	Lower	1134, 0.215, ESE
<a href="#">58</a>	ACUMENT GLOBAL TECHN	11500 HUPP AVE	RCRA NonGen / NLR	Higher	1135, 0.215, NW
<a href="#">R59</a>	GFL-WARREN HOOVER		PFAS ECHO	Higher	1141, 0.216, WNW
<a href="#">R60</a>	ALLIED PROD CORP	22001 HOOVER RD	MI SWF/LF, MI NPDES, MI WDS	Higher	1143, 0.216, WNW
<a href="#">R61</a>	GFL ENVIRONMENTAL US	22001 HOOVER RD	MI LUST, MI UST, MI INVENTORY, MI BEA	Higher	1143, 0.216, WNW
<a href="#">R62</a>	ALLIED PROD CORP	22001 HOOVER RD	RCRA NonGen / NLR, FINDS, ECHO	Higher	1143, 0.216, WNW
<a href="#">S63</a>	NORTHERN TRANSPORT C	21725 GROESBECK HWY	RCRA NonGen / NLR	Lower	1152, 0.218, East
<a href="#">S64</a>	WIEGAND'S CRUSHING,	21725 GROESBECK HIGH	RCRA NonGen / NLR, FINDS, ECHO	Lower	1152, 0.218, East
<a href="#">S65</a>	UNION CARBIDE CORP L	21725 GROESBECK HWY	MI LUST, MI UST, MI WDS	Lower	1152, 0.218, East
<a href="#">Q66</a>	MICHIGAN IRON & STEE		PFAS ECHO	Higher	1152, 0.218, NNW
<a href="#">S67</a>	RESPONSE FORKLIFT IN	21644 GROESBECK HWY	RCRA NonGen / NLR	Lower	1217, 0.230, East
<a href="#">T68</a>	ARES MANUFACTURING C	21000 HOOVER RD	RCRA NonGen / NLR	Higher	1224, 0.232, South
<a href="#">T69</a>	ARES MANUFACTURING C	21000 HOOVER RD	MI AUL, MI AIRS, MI BEA, MI WDS	Higher	1224, 0.232, South
<a href="#">T70</a>	ARES MANUFACTURING C	21000 HOOVER RD	RCRA NonGen / NLR, FINDS, ECHO	Higher	1224, 0.232, South
<a href="#">T71</a>	AUREUS HOLDINGS LTD	21000 HOOVER RD	MI LUST, MI UST, MI INVENTORY, MI VCP	Higher	1224, 0.232, South
<a href="#">T72</a>	AUREUS HOLDINGS LTD	21000 HOOVER RD	MI INVENTORY, MI BEA	Higher	1224, 0.232, South
<a href="#">U73</a>	MICHIGAN IRON & STEE	22522 HOOVER RD	MI ASBESTOS, MI BEA, MI WDS	Higher	1250, 0.237, North
<a href="#">U74</a>	22522 HOOVER ROAD	22522 HOOVER ROAD	MI INVENTORY, MI BEA, MI VCP	Higher	1250, 0.237, North
<a href="#">U75</a>	MICHIGAN IRON & STEE	22522 HOOVER RD	RCRA-VSQG	Higher	1250, 0.237, North
<a href="#">P76</a>	INTEGRATED INTERIORS	21221 HOOVER RD	RCRA-VSQG, FINDS, ECHO	Higher	1259, 0.238, SSW
<a href="#">77</a>	NASH MACHINERY	22701 NAGEL STREET	MI INVENTORY, MI BEA, MI WDS, MI VCP	Higher	1261, 0.239, NNE
<a href="#">S78</a>	LINDE GAS PROPERTY (	21801 GROESBECK	MI INVENTORY, MI VCP	Lower	1265, 0.240, East

# MAPPED SITES SUMMARY

Target Property Address:  
21750 HOOVER ROAD  
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Click on Map ID to see full detail.

MAP ID	SITE NAME	ADDRESS	DATABASE ACRONYMS	RELATIVE ELEVATION	DIST (ft. & mi.) DIRECTION
<a href="#">S79</a>	PLYMOUTH WAYNE WELDI	21801 GROESBECK HWY	MI AST	Lower	1265, 0.240, East
<a href="#">V80</a>	F.A.O. INVESTMENTS	22705 HOOVER ROAD	MI BEA	Higher	1425, 0.270, NNW
<a href="#">V81</a>	22705 HOOVER	22705 HOOVER	MI INVENTORY, MI BEA, MI VCP	Higher	1425, 0.270, NNW
<a href="#">82</a>	DELTA DEVELOPMENT &	21300 GROESBECK HIGH	MI BEA	Higher	1470, 0.278, SE
<a href="#">U83</a>	VACANT INDUSTRIAL BU	22728 HOOVER ROAD	MI BEA	Higher	1481, 0.280, North
<a href="#">W84</a>	A. M. MCCARTHY & SON	22750 HOOVER ROAD	MI BEA	Higher	1548, 0.293, North
<a href="#">W85</a>	22750 HOOVER ROAD	22750 HOOVER ROAD	MI INVENTORY, MI BEA, MI VCP	Higher	1548, 0.293, North
<a href="#">86</a>	BEST BLOCK CO	22001 GROESBECK HWY	MI LUST, MI UST	Lower	1618, 0.306, ENE
<a href="#">X87</a>	21520 MULLIN AVENUE	21520 MULLIN AVENUE	MI INVENTORY, MI BEA, MI WDS, MI VCP	Higher	1668, 0.316, WSW
<a href="#">X88</a>	21569 MULLIN AVENUE	21569 MULLIN AVENUE	MI INVENTORY, MI BEA, MI VCP	Higher	1728, 0.327, WSW
<a href="#">X89</a>	21569 MULLIN	21569 MULLIN	MI BEA	Higher	1728, 0.327, WSW
<a href="#">90</a>	SAS GLOBAL CORPORATI	21601 MULLIN AVE	MI INVENTORY, MI BEA, MI WDS, MI VCP	Higher	1735, 0.329, WSW
<a href="#">Y91</a>	12350 EAST NINE MILE	12350 EAST NINE MILE	MI ASBESTOS, MI BEA	Higher	1802, 0.341, NNE
<a href="#">Y92</a>	12350 EAST NINE MILE	12350 EAST NINE MILE	MI VCP	Higher	1802, 0.341, NNE
<a href="#">Y93</a>	MIDWEST PAPER PRODUC	12350 E 9 MILE RD	MI LUST, MI UST	Higher	1802, 0.341, NNE
<a href="#">94</a>	ALTERNATIVE TECHNOLOG	21275 MULLIN AVENUE	MI INVENTORY, MI BEA, MI VCP	Higher	1923, 0.364, WSW
<a href="#">95</a>	C.J LINK LUMBER CO	11711 E 8 MILE RD	MI LUST, MI UST	Higher	2162, 0.409, South
<a href="#">Z96</a>	SPEEDWAY #8871	11700 E 9 MILE RD	MI LUST, MI UST, MI INVENTORY	Higher	2195, 0.416, North
<a href="#">Z97</a>	MR MIKE ST PIERRE	22983 HOOVER RD	MI LUST, MI UST, MI INVENTORY, MI WDS	Lower	2233, 0.423, NNW
<a href="#">AA98</a>	21826-21914 SCHMEMAN	21826 SCHMEMAN AVENU	MI INVENTORY, MI VCP	Higher	2236, 0.423, East
<a href="#">AA99</a>	21826-21914 SCHMEMAN	21826 SCHMEMAN AVENU	MI BEA	Higher	2236, 0.423, East
<a href="#">100</a>	CENTRAL METAL PRODUC	12255 E 8 MILE	MI LUST, MI UST, FINDS, ECHO, MI BEA	Higher	2257, 0.427, SSE
<a href="#">101</a>	CONDOR MANUFACTURING	11800 E 9 MILE RD	MI LUST, MI UST, MI WDS	Higher	2264, 0.429, North
<a href="#">102</a>	22415 GROESBECK HIGH	22415 GROESBECK HIGH	MI INVENTORY, MI BEA, MI VCP	Higher	2276, 0.431, ENE
<a href="#">103</a>	ROYAL CARPET DISTRIB	20750 HOOVER RD	MI LUST, MI UST, MI WDS	Higher	2294, 0.434, SSW
<a href="#">Z104</a>	TOTAL STATION #2503	11700 NINE MILE ROAD	MI AUL	Higher	2309, 0.437, North
<a href="#">AB105</a>	9 MILE & HOOVER	11955 E 9 MILE RD	MI LUST, MI UST	Higher	2347, 0.445, North
<a href="#">AB106</a>	9 MILE & HOOVER	11955 E 9 MILE RD	MI LUST, MI WDS	Higher	2347, 0.445, North
<a href="#">107</a>	GUARDIAN STEEL CORP	11675 E 8 MILE RD	MI LUST, MI UST	Higher	2374, 0.450, South
<a href="#">AC108</a>	DCT	21551 MULLIN AVE	MI BEA, MI WDS	Higher	2458, 0.466, WSW
<a href="#">AC109</a>	CARBOLOY, INC.	21551 MULLIN AVENUE	MI INVENTORY, MI BEA, MI VCP	Higher	2458, 0.466, WSW
<a href="#">AD110</a>	21555-21601 MULLIN	21555-21601 MULLIN	MI INVENTORY, MI BEA, MI VCP	Higher	2463, 0.466, WSW
<a href="#">AD111</a>	SCIWAY PAINTING LLC	21555 MULLIN AVE	MI BEA, MI WDS	Higher	2463, 0.466, WSW
<a href="#">112</a>	INALFA SSI OFF SYSTE	12500 E 9 MILE RD	MI LUST, MI UST	Higher	2488, 0.471, NE
<a href="#">AE113</a>	12345 EAST NINE MILE	12345 EAST NINE MILE	MI BEA	Higher	2490, 0.472, NNE
<a href="#">AE114</a>	BUNDY TUBING CORP	12345 E 9 MILE RD	MI LUST, MI UST, MI WDS	Higher	2490, 0.472, NNE
<a href="#">AE115</a>	BUNDY CORPORATION	12345 E. NINE MILE	MI DEL PART 201, MI BEA	Higher	2490, 0.472, NNE
<a href="#">116</a>	9 & HOOVER PROPERTY	23011 HOOVER RD	MI LUST, MI UST, MI AST, MI WDS	Lower	2494, 0.472, NNW
<a href="#">117</a>	ALAA PETROLEUM INC	11805 E 8 MILE RD	MI LUST, MI UST, MI INVENTORY, MI Financial...	Higher	2501, 0.474, SSE

# MAPPED SITES SUMMARY

Target Property Address:  
21750 HOOVER ROAD  
WARREN, MI 48089

Click on Map ID to see full detail.

MAP ID	SITE NAME	ADDRESS	DATABASE ACRONYMS	RELATIVE ELEVATION	DIST (ft. & mi.) DIRECTION
<a href="#">AC118</a>	HENDERSON PROPERTIES	21555 & 21601 MULLIN	MI BEA	Higher	2504, 0.474, WSW
<a href="#">AB119</a>	11955 AND 12345 EAST	11955 AND 12345 EAST	MI INVENTORY, MI VCP	Higher	2555, 0.484, North
<a href="#">120</a>	AMERICAN DRIVE TRAIN	22449 GROESBECK HWY	MI LUST, MI WDS	Higher	2573, 0.487, ENE
<a href="#">121</a>	WEYERHAUSER PAPER CO	12850 EAST 9 MILE	MI PART 201, MI INVENTORY, MI BEA, MI VCP	Higher	2759, 0.523, NE
<a href="#">122</a>	CARBOLOY CO SITE	11177 E. EIGHT MILE	FUSRAP	Higher	3252, 0.616, SSW
<a href="#">123</a>	CARBOLOY INCORPORATE	11177 EAST EIGHT MIL	SEMS-ARCHIVE, CORRACTS, RCRA-TSDF, MI LUST, MI...	Higher	3548, 0.672, SW
<a href="#">124</a>	INLAND TOOL AND MFG	20263 HOOVER ST	MI INVENTORY, MI PART 201, RCRA NonGen / NLR,...	Higher	3694, 0.700, South
<a href="#">AF125</a>	NOP CENTERLINE		FUDS	Higher	3872, 0.733, SW
<a href="#">AF126</a>	DETROIT ARSENAL WARR		FUDS	Higher	3872, 0.733, SW
<a href="#">AF127</a>	NIRAP WARREN		FUDS	Higher	3872, 0.733, SW
<a href="#">128</a>	MAHON DOOR CORP	13125 8 MILE	MI INVENTORY, MI DEL PART 201, MI VCP	Higher	3916, 0.742, SE
<a href="#">129</a>	WELDALOY PRODUCTS CO	11551 STEPHENS DR	MI PART 201, MI INVENTORY, MI NPDES, MI WDS, MI...	Lower	5056, 0.958, North
<a href="#">130</a>	PDS PROPERTIES	19925 HOOVER STREET	MI DEL PART 201, MI AIRS, MI ASBESTOS, MI WDS	Higher	5137, 0.973, South

## EXECUTIVE SUMMARY

### **TARGET PROPERTY SEARCH RESULTS**

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

Site	Database(s)	EPA ID
NIAGARA LASALLE CORP 21750 HOOVER ROAD WARREN, MI 48089	MI NPDES Permit Number: MIS110306  MI WDS Site Id: MIG000053035 WMD Id: 437265	N/A
NIAGARA LASALLE CORP 21750 HOOVER ROAD WARREN, MI 48089	FINDS Registry ID:: 110071319789	N/A
NIAGARA LASALLE CORP 21750 HOOVER ROAD WARREN, MI 48089	ECHO Registry ID: 110071319789	N/A

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

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

### **STANDARD ENVIRONMENTAL RECORDS**

#### ***Lists of Federal NPL (Superfund) sites***

NPL..... National Priority List  
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  
SEMS..... Superfund Enterprise Management System

#### ***Lists of Federal RCRA generators***

RCRA-SQG..... RCRA - Small Quantity Generators

## EXECUTIVE SUMMARY

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

LUCIS..... Land Use Control Information System  
US ENG CONTROLS..... Engineering Controls Sites List

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

ERNS..... Emergency Response Notification System

### ***Lists of state- and tribal hazardous waste facilities***

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

### ***Lists of state and tribal leaking storage tanks***

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

### ***Lists of state and tribal registered storage tanks***

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

### ***Lists of state and tribal voluntary cleanup sites***

INDIAN VCP..... Voluntary Cleanup Priority Listing

## **ADDITIONAL ENVIRONMENTAL RECORDS**

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

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

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

US HIST CDL..... Delisted National Clandestine Laboratory Register  
MI CDL..... Clandestine Drug Lab Listing  
US CDL..... National Clandestine Laboratory Register

### ***Local Land Records***

MI LIENS..... Lien List  
LIENS 2..... CERCLA Lien Information

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

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

## EXECUTIVE SUMMARY

### ***Other Ascertainable Records***

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
TSCA.....	Toxic Substances Control Act
SSTS.....	Section 7 Tracking Systems
ROD.....	Records Of Decision
RMP.....	Risk Management Plans
RAATS.....	RCRA Administrative Action Tracking System
PRP.....	Potentially Responsible Parties
PADS.....	PCB Activity Database System
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
DOT OPS.....	Incident and Accident Data
CONSENT.....	Superfund (CERCLA) Consent Decrees
INDIAN RESERV.....	Indian Reservations
UMTRA.....	Uranium Mill Tailings Sites
LEAD SMELTERS.....	Lead Smelter Sites
US MINES.....	Mines Master Index File
ABANDONED MINES.....	Abandoned Mines
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 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 ECHO FIRE TRAINING.....	Facilities in Industries that May Be Handling PFAS Listing
PFAS PART 139 AIRPORT.....	All Certified Part 139 Airports PFAS Information Listing
AQUEOUS FOAM NRC.....	Aqueous Foam Related Incidents Listing
MI PFAS.....	PFAS Contaminated Sites Listing
MI COAL ASH.....	Coal Ash Disposal Sites
MI DRYCLEANERS.....	Drycleaning Establishments
MI LEAD.....	Lead Safe Housing Registry
MI UIC.....	Underground Injection Wells Database
PFAS TRIS.....	List of PFAS Added to the TRI
MINES MRDS.....	Mineral Resources Data System

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

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

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

### **EDR RECOVERED GOVERNMENT ARCHIVES**

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

MI RGA PART 201.....	Recovered Government Archive State Hazardous Waste Facilities List
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## EXECUTIVE SUMMARY

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

### SURROUNDING SITES: SEARCH RESULTS

Surrounding sites were identified in the following databases.

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

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

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

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

### STANDARD ENVIRONMENTAL RECORDS

#### ***Lists of Federal CERCLA sites with NFRAP***

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

A review of the SEMS-ARCHIVE list, as provided by EDR, and dated 06/22/2023 has revealed that there is 1 SEMS-ARCHIVE 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>
<b><i>ENTHONE OMI INC</i></b> Site ID: 0502543 EPA Id: MID056717747	<b><i>21441 HOOVER RD</i></b>	<b><i>SSW 1/8 - 1/4 (0.153 mi.)</i></b>	<b><i>L38</i></b>	<b><i>150</i></b>

#### ***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 03/06/2023 has revealed that there are 2 CORRACTS 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>
<b><i>ENTHONE OMI INC</i></b>	<b><i>21441 HOOVER RD</i></b>	<b><i>SSW 1/8 - 1/4 (0.153 mi.)</i></b>	<b><i>L38</i></b>	<b><i>150</i></b>

## EXECUTIVE SUMMARY

EPA ID:: MID056717747

**CARBOLOY INCORPORATE**

**11177 EAST EIGHT MIL**

**SW 1/2 - 1 (0.672 mi.)**

**123**

**548**

EPA ID:: MID044254423

### ***Lists of Federal RCRA TSD facilities***

RCRA-TSDF: 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.

A review of the RCRA-TSDF list, as provided by EDR, and dated 03/06/2023 has revealed that there is 1 RCRA-TSDF 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>
<b>ENTHONE OMI INC</b>	<b>21441 HOOVER RD</b>	<b>SSW 1/8 - 1/4 (0.153 mi.)</b>	<b>L38</b>	<b>150</b>
EPA ID:: MID056717747				

### ***Lists of Federal RCRA generators***

RCRA-LQG: 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.

A review of the RCRA-LQG list, as provided by EDR, and dated 03/06/2023 has revealed that there is 1 RCRA-LQG site within approximately 0.25 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
<b>AJAX METAL PROCESSIN</b>	<b>22105 HOOVER RD</b>	<b>WNW 1/8 - 1/4 (0.153 mi.)</b>	<b>39</b>	<b>228</b>
EPA ID:: MID083942714				

RCRA-VSQG: 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.

A review of the RCRA-VSQG list, as provided by EDR, and dated 03/06/2023 has revealed that there are 10 RCRA-VSQG sites within approximately 0.25 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
<b>NEXEO SOLUTIONS LLC</b>	<b>12005 TOEPFER RD</b>	<b>E 0 - 1/8 (0.021 mi.)</b>	<b>B5</b>	<b>14</b>

## EXECUTIVE SUMMARY

EPA ID:: MID985663376				
CARGO-FLO	12010 TOEPFER RD	SE 0 - 1/8 (0.044 mi.)	F13	52
EPA ID:: MIR000101972				
<b>WOLVERINE DIE CAST L</b>	<b>22550 NAGEL AVE</b>	<b>NE 0 - 1/8 (0.104 mi.)</b>	<b>H23</b>	<b>101</b>
EPA ID:: MID058799644				
<b>CCT DE'COUPER INDUST</b>	<b>21535 HOOVER RD</b>	<b>SW 1/8 - 1/4 (0.127 mi.)</b>	<b>J26</b>	<b>115</b>
EPA ID:: MIT270011166				
RELIANT INDUSTRIES I	21415 GROESBECK HWY	ESE 1/8 - 1/4 (0.187 mi.)	M45	294
EPA ID:: MIK685685117				
<b>B AND L PLATING INC</b>	<b>21353 EDOM AVE</b>	<b>SE 1/8 - 1/4 (0.203 mi.)</b>	<b>N50</b>	<b>304</b>
EPA ID:: MID052032208				
<b>GRAPHIC ASSOCIATES I</b>	<b>21325 HOOVER RD</b>	<b>SSW 1/8 - 1/4 (0.205 mi.)</b>	<b>P53</b>	<b>316</b>
EPA ID:: MID985650233				
IRENE WOLF	22525 HOOVER RD	NNW 1/8 - 1/4 (0.215 mi.)	Q56	326
EPA ID:: MIK433377611				
MICHIGAN IRON & STEE	22522 HOOVER RD	N 1/8 - 1/4 (0.237 mi.)	U75	426
EPA ID:: MIK228678744				
<b>INTEGRATED INTERIORS</b>	<b>21221 HOOVER RD</b>	<b>SSW 1/8 - 1/4 (0.238 mi.)</b>	<b>P76</b>	<b>432</b>
EPA ID:: MIR000009316				

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

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 05/22/2023 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>
<b>ENTHONE OMI INC</b>	<b>21441 HOOVER RD</b>	<b>SSW 1/8 - 1/4 (0.153 mi.)</b>	<b>L38</b>	<b>150</b>
EPA ID:: MID056717747				

### ***Lists of state and tribal landfills and solid waste disposal facilities***

MI SWF/LF: The Solid Waste Facilities/Landfill Sites records typically contain an inventory of solid waste disposal facilities or landfills in a particular state. The data come from the Department of Environmental Quality's Michigan Solid Waste Facilities.

A review of the MI SWF/LF list, as provided by EDR, and dated 03/20/2023 has revealed that there is 1 MI SWF/LF 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>
<b>ALLIED PROD CORP</b>	<b>22001 HOOVER RD</b>	<b>WNW 1/8 - 1/4 (0.216 mi.)</b>	<b>R60</b>	<b>336</b>

## EXECUTIVE SUMMARY

Facility Id: 466207

### ***Lists of state and tribal leaking storage tanks***

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

A review of the MI LUST list, as provided by EDR, and dated 05/10/2023 has revealed that there are 29 MI LUST 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>
<b>DY CHEM PROD CO</b> Release Status: Closed Facility Id: 00008663 Facility Id: 8663	<b>21703 HOOVER RD</b>	<b>SSW 0 - 1/8 (0.007 mi.)</b>	<b>A4</b>	<b>9</b>
<b>EQUIPMENT MANUFACTUR</b> Release Status: Open Facility Id: 50000365	<b>21550 HOOVER RD</b>	<b>SSE 0 - 1/8 (0.043 mi.)</b>	<b>E11</b>	<b>37</b>
<b>CARGOFLOW FACILITY</b> Release Status: Closed Substance Release: Diesel Facility Id: 00004097 Facility Id: 4097	<b>12010 TOEPFER RD</b>	<b>SE 0 - 1/8 (0.044 mi.)</b>	<b>F14</b>	<b>56</b>
<b>WOLVERINE METAL CO I</b> Release Status: Closed Substance Release: Used Oil Facility Id: 00036143 Facility Id: 36143	<b>21601 HOOVER RD</b>	<b>SW 0 - 1/8 (0.049 mi.)</b>	<b>D15</b>	<b>58</b>
<b>CCT DE'COUPER IND</b> Release Status: Closed Substance Release: Unknown Facility Id: 39817 Facility Id: 00039817	<b>21535 HOOVER RD</b>	<b>SW 1/8 - 1/4 (0.127 mi.)</b>	<b>J28</b>	<b>121</b>
<b>COLD HEADING CO</b> Release Status: Closed Substance Release: Used Oil Facility Id: 1757 Facility Id: 00001757	<b>22155 HOOVER RD</b>	<b>NNW 1/8 - 1/4 (0.131 mi.)</b>	<b>I30</b>	<b>125</b>
<b>AJAX BOLT &amp; SCREW DI</b> Release Status: Closed Substance Release: Unknown Facility Id: 15095 Facility Id: 00015095	<b>11550 HUPP AVE</b>	<b>NW 1/8 - 1/4 (0.194 mi.)</b>	<b>46</b>	<b>296</b>
<b>NIAGARA LASALLE</b> Release Status: Closed Substance Release: Gasoline Substance Release: Diesel Substance Release: Gasoline,Diesel	<b>22700 NAGEL ST</b>	<b>NNE 1/8 - 1/4 (0.195 mi.)</b>	<b>47</b>	<b>298</b>

## EXECUTIVE SUMMARY

Facility Id: 10918 Facility Id: 00010918				
<b>RENO MACHINERY &amp; ENG</b> Release Status: Closed Substance Release: Gasoline Facility Id: 37478 Facility Id: 00037478	<b>21401 HOOVER RD</b>	<b>SSW 1/8 - 1/4 (0.207 mi.)</b>	<b>54</b>	<b>321</b>
<b>GFL ENVIRONMENTAL US</b> Release Status: Open Substance Release: Diesel Facility Id: 00035031 Facility Id: 35031	<b>22001 HOOVER RD</b>	<b>WNW 1/8 - 1/4 (0.216 mi.)</b>	<b>R61</b>	<b>337</b>
<b>AUREUS HOLDINGS LTD</b> Release Status: Closed Release Status: Open Substance Release: Other Substance Release: Gasoline,Diesel Substance Release: Other,Other Facility Id: 41970 Facility Id: 00041970	<b>21000 HOOVER RD</b>	<b>S 1/8 - 1/4 (0.232 mi.)</b>	<b>T71</b>	<b>413</b>
<b>MIDWEST PAPER PRODUC</b> Release Status: Closed Substance Release: Gasoline,Diesel Facility Id: 00035918 Facility Id: 35918	<b>12350 E 9 MILE RD</b>	<b>NNE 1/4 - 1/2 (0.341 mi.)</b>	<b>Y93</b>	<b>473</b>
<b>C.J LINK LUMBER CO</b> Release Status: Closed Substance Release: Gasoline Facility Id: 18738 Facility Id: 00018738	<b>11711 E 8 MILE RD</b>	<b>S 1/4 - 1/2 (0.409 mi.)</b>	<b>95</b>	<b>478</b>
<b>SPEEDWAY #8871</b> Release Status: Closed Substance Release: Unknown Facility Id: 00016345 Facility Id: 16345	<b>11700 E 9 MILE RD</b>	<b>N 1/4 - 1/2 (0.416 mi.)</b>	<b>Z96</b>	<b>480</b>
<b>CENTRAL METAL PRODUC</b> Release Status: Closed Substance Release: Used Oil Facility Id: 37685 Facility Id: 00037685	<b>12255 E 8 MILE</b>	<b>SSE 1/4 - 1/2 (0.427 mi.)</b>	<b>100</b>	<b>490</b>
<b>CONDOR MANUFACTURING</b> Release Status: Closed Substance Release: Unknown Facility Id: 283 Facility Id: 00000283	<b>11800 E 9 MILE RD</b>	<b>N 1/4 - 1/2 (0.429 mi.)</b>	<b>101</b>	<b>493</b>
<b>ROYAL CARPET DISTRIB</b> Release Status: Closed Substance Release: Unknown Facility Id: 00020986 Facility Id: 20986	<b>20750 HOOVER RD</b>	<b>SSW 1/4 - 1/2 (0.434 mi.)</b>	<b>103</b>	<b>497</b>
<b>9 MILE &amp; HOOVER</b>	<b>11955 E 9 MILE RD</b>	<b>N 1/4 - 1/2 (0.445 mi.)</b>	<b>AB105</b>	<b>500</b>

## EXECUTIVE SUMMARY

<b>9 MILE &amp; HOOVER</b> Release Status: Closed Substance Release: Unknown Substance Release: Gasoline,Diesel,Gasoline,Gasoline Facility Id: 00015096	<b>11955 E 9 MILE RD</b>	<b>N 1/4 - 1/2 (0.445 mi.)</b>	<b>AB106</b>	<b>509</b>
<b>GUARDIAN STEEL CORP</b> Release Status: Closed Substance Release: Gasoline Facility Id: 37324 Facility Id: 00037324	<b>11675 E 8 MILE RD</b>	<b>S 1/4 - 1/2 (0.450 mi.)</b>	<b>107</b>	<b>510</b>
<b>INALFA SSI OFF SYSTE</b> Release Status: Closed Facility Id: 00021576 Facility Id: 21576	<b>12500 E 9 MILE RD</b>	<b>NE 1/4 - 1/2 (0.471 mi.)</b>	<b>112</b>	<b>519</b>
<b>BUNDY TUBING CORP</b> Release Status: Closed Substance Release: Gasoline Facility Id: 15692 Facility Id: 00015692	<b>12345 E 9 MILE RD</b>	<b>NNE 1/4 - 1/2 (0.472 mi.)</b>	<b>AE114</b>	<b>522</b>
<b>ALAA PETROLEUM INC</b> Release Status: Closed Substance Release: Gasoline,Gasoline,Gasoline,Gasoline Substance Release: Gasoline Facility Id: 00005737 Facility Id: 5737	<b>11805 E 8 MILE RD</b>	<b>SSE 1/4 - 1/2 (0.474 mi.)</b>	<b>117</b>	<b>535</b>
<b>AMERICAN DRIVE TRAIN</b> Release Status: Closed Facility Id: 50000364	<b>22449 GROESBECK HWY</b>	<b>ENE 1/4 - 1/2 (0.487 mi.)</b>	<b>120</b>	<b>545</b>

TC7414071.2s EXECUTIVE SUMMARY 14

## EXECUTIVE SUMMARY

Substance Release: Gasoline  
Facility Id: 38367  
Facility Id: 00038367

### 9 & HOOVER PROPERTY

23011 HOOVER RD

NNW 1/4 - 1/2 (0.472 mi.) 116

527

Release Status: Closed  
Substance Release: Unknown  
Facility Id: 14723  
Facility Id: 00014723

### Lists of state and tribal registered storage tanks

MI UST: The Underground Storage Tank database contains registered USTs. USTs are regulated under Subtitle I of the Resource Conservation and Recovery Act (RCRA). The data come from the Department of Environmental Quality's Michigan UST database.

A review of the MI UST list, as provided by EDR, has revealed that there are 14 MI UST sites within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
<b>DY CHEM PROD CO</b> Database: UST, Date of Government Version: 02/06/2023 Tank Status: Removed from Ground Facility Type: CLOSED Facility Id: 00008663	<b>21703 HOOVER RD</b>	<b>SSW 0 - 1/8 (0.007 mi.)</b>	<b>A4</b>	<b>9</b>
EQUIPMENT MANUFACTUR Database: UST 2, Date of Government Version: 01/28/2022 Database: UST, Date of Government Version: 02/06/2023 Tank Status: Non-Registered Tank Facility ID: 50000365 Facility Type: CLOSED Facility Id: 50000365	21550 HOOVER RD	SSE 0 - 1/8 (0.043 mi.)	E10	36
<b>CARGOFLOW FACILITY</b> Database: UST, Date of Government Version: 02/06/2023 Tank Status: Removed from Ground Facility Type: CLOSED Facility Id: 00004097	<b>12010 TOEPFER RD</b>	<b>SE 0 - 1/8 (0.044 mi.)</b>	<b>F14</b>	<b>56</b>
<b>WOLVERINE METAL CO I</b> Database: UST, Date of Government Version: 02/06/2023 Tank Status: Removed from Ground Facility Type: CLOSED Facility Id: 00036143	<b>21601 HOOVER RD</b>	<b>SW 0 - 1/8 (0.049 mi.)</b>	<b>D15</b>	<b>58</b>
<b>CCT DE'COUPER IND</b> Database: UST, Date of Government Version: 02/06/2023 Tank Status: Closed in Ground Facility Type: CLOSED Facility Id: 00039817	<b>21535 HOOVER RD</b>	<b>SW 1/8 - 1/4 (0.127 mi.)</b>	<b>J28</b>	<b>121</b>
GIBBS MACHINERY CO Database: UST, Date of Government Version: 02/06/2023 Tank Status: Removed from Ground Facility Type: CLOSED	21500 HOOVER RD	S 1/8 - 1/4 (0.127 mi.)	G29	124

## EXECUTIVE SUMMARY

<b>COLD HEADING CO</b>	<b>22155 HOOVER RD</b>	<b>NNW 1/8 - 1/4 (0.131 mi.)</b>	<b>I30</b>	<b>125</b>
Database: UST, Date of Government Version: 02/06/2023				
Tank Status: Removed from Ground				
Facility Type: CLOSED				
Facility Id: 00001757				
<b>AJAX BOLT &amp; SCREW DI</b>	<b>11550 HUPP AVE</b>	<b>NW 1/8 - 1/4 (0.194 mi.)</b>	<b>46</b>	<b>296</b>
Database: UST, Date of Government Version: 02/06/2023				
Tank Status: Removed from Ground				
Facility Type: CLOSED				
Facility Id: 00015095				
<b>NIAGARA LASALLE</b>	<b>22700 NAGEL ST</b>	<b>NNE 1/8 - 1/4 (0.195 mi.)</b>	<b>47</b>	<b>298</b>
Database: UST, Date of Government Version: 02/06/2023				
Tank Status: Removed from Ground				
Facility Type: CLOSED				
Facility Id: 00010918				
<b>RENO MACHINERY &amp; ENG</b>	<b>21401 HOOVER RD</b>	<b>SSW 1/8 - 1/4 (0.207 mi.)</b>	<b>54</b>	<b>321</b>
Database: UST, Date of Government Version: 02/06/2023				
Tank Status: Removed from Ground				
Facility Type: CLOSED				
Facility Id: 00037478				
<b>GFL ENVIRONMENTAL US</b>	<b>22001 HOOVER RD</b>	<b>WNW 1/8 - 1/4 (0.216 mi.)</b>	<b>R61</b>	<b>337</b>
Database: UST, Date of Government Version: 02/06/2023				
Tank Status: Removed from Ground				
Facility Type: CLOSED				
Facility Id: 00035031				
<b>AUREUS HOLDINGS LTD</b>	<b>21000 HOOVER RD</b>	<b>S 1/8 - 1/4 (0.232 mi.)</b>	<b>T71</b>	<b>413</b>
Database: UST, Date of Government Version: 02/06/2023				
Tank Status: Removed from Ground				
Facility Type: CLOSED				
Facility Id: 00041970				

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
<b>RENE VANASSCHE &amp; SON</b> Database: UST, Date of Government Version: 02/06/2023 Tank Status: Removed from Ground Facility Type: CLOSED Facility Id: 00039749	<b>21530 GROESBECK HWY</b>	<b>ESE 1/8 - 1/4 (0.215 mi.)</b>	<b>57</b>	<b>328</b>
<b>UNION CARBIDE CORP L</b> Database: UST, Date of Government Version: 02/06/2023 Tank Status: Removed from Ground Facility Type: CLOSED Facility Id: 00003826	<b>21725 GROESBECK HWY</b>	<b>E 1/8 - 1/4 (0.218 mi.)</b>	<b>S65</b>	<b>353</b>

A review of the MI AST list, as provided by EDR, and dated 05/03/2023 has revealed that there are 2 MI AST sites within approximately 0.25 miles of the target property.

## EXECUTIVE SUMMARY

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
DETROIT RADIANT PROD Facility Id: 92050106 Removed/Closed Date: 07/02/1992 Removed/Closed Date: 10/15/2015 Tank Status: Removed from Premises Tank Status: Change in Service	21400 HOOVER RD	S 1/8 - 1/4 (0.204 mi.)	O52	315
<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
PLYMOUTH WAYNE WELDI Facility Id: 92084225 Removed/Closed Date: 02/07/2003 Tank Status: Removed from Premises	21801 GROESBECK HWY	E 1/8 - 1/4 (0.240 mi.)	S79	456

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

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

A review of the MI AUL list, as provided by EDR, and dated 02/22/2023 has revealed that there are 3 MI AUL 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>
<b>CALGON CORP</b> <b>ARES MANUFACTURING C</b> Facility ID: 00041970	<b>21441 HOOVER RD</b> <b>21000 HOOVER RD</b>	<b>SSW 1/8 - 1/4 (0.153 mi.)</b> <b>S 1/8 - 1/4 (0.232 mi.)</b>	<b>L35</b> <b>T69</b>	<b>140</b> <b>366</b>
TOTAL STATION #2503 Facility ID: 00016345	11700 NINE MILE ROAD	N 1/4 - 1/2 (0.437 mi.)	Z104	499

### **Lists of state and tribal voluntary cleanup sites**

MI VCP: A listing of sites enrolled in the Voluntary Cleanup

A review of the MI VCP list, as provided by EDR, and dated 05/18/2023 has revealed that there are 28 MI VCP 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>
<b>MACHINERY PLAZA</b>	<b>21777 HOOVER</b>	<b>WNW 0 - 1/8 (0.027 mi.)</b>	<b>C8</b>	<b>34</b>
<b>12001-12005 TOEPFER</b>	<b>12001 TOEPFER ROAD</b>	<b>E 0 - 1/8 (0.037 mi.)</b>	<b>B9</b>	<b>35</b>
GIBBS MACHINERY CO	21500 21550 21590 HO	S 0 - 1/8 (0.086 mi.)	G18	96
GIBBS MACHINERY CO	21500 21550 21590 HO	S 0 - 1/8 (0.086 mi.)	G19	97
GIBBS MACHINERY CO	21500 21550 21590 HO	S 0 - 1/8 (0.086 mi.)	G21	100
GIBBS MACHINERY CO	21500 21550 21590 HO	S 0 - 1/8 (0.086 mi.)	G22	100
<b>22550 NAGEL STREET</b>	<b>22550 NAGEL STREET</b>	<b>NE 0 - 1/8 (0.104 mi.)</b>	<b>H24</b>	<b>111</b>
<b>CCT DELICOUPER INDUS</b>	<b>21535 HOOVER</b>	<b>SW 1/8 - 1/4 (0.127 mi.)</b>	<b>J27</b>	<b>119</b>
<b>SMS TECHNICAL SERVIC</b>	<b>22600 NAGEL ST</b>	<b>NE 1/8 - 1/4 (0.132 mi.)</b>	<b>H31</b>	<b>127</b>
<b>RITE WAY TOOL-DIE &amp;</b>	<b>21547 HELLE AVE</b>	<b>ESE 1/8 - 1/4 (0.144 mi.)</b>	<b>K33</b>	<b>138</b>
<b>ETHONE-OMI (FORMER)</b>	<b>21441 AND 21445 HOOV</b>	<b>SSW 1/8 - 1/4 (0.153 mi.)</b>	<b>L40</b>	<b>266</b>
<b>AUREUS HOLDINGS LTD</b>	<b>21000 HOOVER RD</b>	<b>S 1/8 - 1/4 (0.232 mi.)</b>	<b>T71</b>	<b>413</b>
<b>22522 HOOVER ROAD</b>	<b>22522 HOOVER ROAD</b>	<b>N 1/8 - 1/4 (0.237 mi.)</b>	<b>U74</b>	<b>424</b>

## EXECUTIVE SUMMARY

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
<b>NASH MACHINERY</b>	<b>22701 NAGEL STREET</b>	<b>NNE 1/8 - 1/4 (0.239 mi.)</b>	<b>77</b>	<b>452</b>
<b>22705 HOOVER</b>	<b>22705 HOOVER</b>	<b>NNW 1/4 - 1/2 (0.270 mi.)</b>	<b>V81</b>	<b>457</b>
<b>22750 HOOVER ROAD</b>	<b>22750 HOOVER ROAD</b>	<b>N 1/4 - 1/2 (0.293 mi.)</b>	<b>W85</b>	<b>461</b>
<b>21520 MULLIN AVENUE</b>	<b>21520 MULLIN AVENUE</b>	<b>WSW 1/4 - 1/2 (0.316 mi.)</b>	<b>X87</b>	<b>466</b>
<b>21569 MULLIN AVENUE</b>	<b>21569 MULLIN AVENUE</b>	<b>WSW 1/4 - 1/2 (0.327 mi.)</b>	<b>X88</b>	<b>467</b>
<b>SAS GLOBAL CORPORATI</b>	<b>21601 MULLIN AVE</b>	<b>WSW 1/4 - 1/2 (0.329 mi.)</b>	<b>90</b>	<b>470</b>
<b>12350 EAST NINE MILE</b>	<b>12350 EAST NINE MILE</b>	<b>NNE 1/4 - 1/2 (0.341 mi.)</b>	<b>Y92</b>	<b>473</b>
<b>ALTERNATIVE TECHNOLOG</b>	<b>21275 MULLIN AVENUE</b>	<b>WSW 1/4 - 1/2 (0.364 mi.)</b>	<b>94</b>	<b>476</b>
<b>21826-21914 SCHMEMAN</b>	<b>21826 SCHMEMAN AVENU</b>	<b>E 1/4 - 1/2 (0.423 mi.)</b>	<b>AA98</b>	<b>489</b>
<b>22415 GROESBECK HIGH</b>	<b>22415 GROESBECK HIGH</b>	<b>ENE 1/4 - 1/2 (0.431 mi.)</b>	<b>102</b>	<b>496</b>
<b>CARBOLOY, INC.</b>	<b>21551 MULLIN AVENUE</b>	<b>WSW 1/4 - 1/2 (0.466 mi.)</b>	<b>AC109</b>	<b>514</b>
<b>21555-21601 MULLIN</b>	<b>21555-21601 MULLIN</b>	<b>WSW 1/4 - 1/2 (0.466 mi.)</b>	<b>AD110</b>	<b>516</b>
<b>11955 AND 12345 EAST</b>	<b>11955 AND 12345 EAST</b>	<b>N 1/4 - 1/2 (0.484 mi.)</b>	<b>AB119</b>	<b>544</b>
<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
<b>21493 GROESBECK HIGH</b>	<b>21493 GROESBECK HIGH</b>	<b>ESE 1/8 - 1/4 (0.200 mi.)</b>	<b>M49</b>	<b>304</b>
<b>LINDE GAS PROPERTY (</b>	<b>21801 GROESBECK</b>	<b>E 1/8 - 1/4 (0.240 mi.)</b>	<b>S78</b>	<b>455</b>

### ***Lists of state and tribal brownfield sites***

MI BROWNFIELDs: Brownfields and USTfield Site Database.

A review of the MI BROWNFIELDs list, as provided by EDR, has revealed that there is 1 MI BROWNFIELDs 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>
<b>EQUIPMENT MANUFACTUR</b>	<b>21550 HOOVER RD</b>	<b>SSE 0 - 1/8 (0.043 mi.)</b>	<b>E11</b>	<b>37</b>
Database: BROWNFIELDs, Date of Government Version: 04/19/2023				

### **ADDITIONAL ENVIRONMENTAL RECORDS**

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

US BROWNFIELDs: The EPA's listing of Brownfields properties from the Cleanups in My Community program, which provides information on Brownfields properties for which information is reported back to EPA, as well as areas served by Brownfields grant programs.

A review of the US BROWNFIELDs list, as provided by EDR, and dated 04/06/2023 has revealed that there is 1 US BROWNFIELDs 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>
<b>21445 HOOVER PROPERT</b>	<b>21445 HOOVER ROAD</b>	<b>SSW 1/8 - 1/4 (0.153 mi.)</b>	<b>L42</b>	<b>280</b>
ACRES property ID: 253513				

## EXECUTIVE SUMMARY

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

MI 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 MI INVENTORY list, as provided by EDR, and dated 04/17/2023 has revealed that there are 30 MI INVENTORY sites within approximately 0.5 miles of the target property.

<b><u>Equal/Higher Elevation</u></b>	<b><u>Address</u></b>	<b><u>Direction / Distance</u></b>	<b><u>Map ID</u></b>	<b><u>Page</u></b>
<b>MACHINERY PLAZA</b> Facility ID: 50000863	<b>21777 HOOVER</b>	<b>WNW 0 - 1/8 (0.027 mi.)</b>	<b>C8</b>	<b>34</b>
<b>12001-12005 TOEPFER</b> Facility ID: 50500511	<b>12001 TOEPFER ROAD</b>	<b>E 0 - 1/8 (0.037 mi.)</b>	<b>B9</b>	<b>35</b>
<b>EQUIPMENT MANUFACTUR</b> Facility ID: 50000365	<b>21550 HOOVER RD</b>	<b>SSE 0 - 1/8 (0.043 mi.)</b>	<b>E11</b>	<b>37</b>
<b>GIBBS MACHINERY CO</b> Facility ID: 50000233 Facility ID: 50000684 Facility ID: 50001071 Facility ID: 50000685	<b>21500 21550 21590 HO</b>	<b>S 0 - 1/8 (0.086 mi.)</b>	<b>G20</b>	<b>97</b>
<b>22550 NAGEL STREET</b> Facility ID: 50500462	<b>22550 NAGEL STREET</b>	<b>NE 0 - 1/8 (0.104 mi.)</b>	<b>H24</b>	<b>111</b>
<b>CCT DELICOUPE INDUS</b> Facility ID: 50000821	<b>21535 HOOVER</b>	<b>SW 1/8 - 1/4 (0.127 mi.)</b>	<b>J27</b>	<b>119</b>
<b>SMS TECHNICAL SERVIC</b> Facility ID: 50500175	<b>22600 NAGEL ST</b>	<b>NE 1/8 - 1/4 (0.132 mi.)</b>	<b>H31</b>	<b>127</b>
<b>RITE WAY TOOL-DIE &amp;</b> Facility ID: 50500164	<b>21547 HELLE AVE</b>	<b>ESE 1/8 - 1/4 (0.144 mi.)</b>	<b>K33</b>	<b>138</b>
<b>ETHONE-OMI (FORMER)</b> Facility ID: 50000942	<b>21441 AND 21445 HOOV</b>	<b>SSW 1/8 - 1/4 (0.153 mi.)</b>	<b>L40</b>	<b>266</b>
<b>GFL ENVIRONMENTAL US</b> Facility ID: 35031	<b>22001 HOOVER RD</b>	<b>WNW 1/8 - 1/4 (0.216 mi.)</b>	<b>R61</b>	<b>337</b>
<b>AUREUS HOLDINGS LTD</b> Facility ID: 50000982	<b>21000 HOOVER RD</b>	<b>S 1/8 - 1/4 (0.232 mi.)</b>	<b>T71</b>	<b>413</b>
<b>AUREUS HOLDINGS LTD</b> Facility ID: 41970	<b>21000 HOOVER RD</b>	<b>S 1/8 - 1/4 (0.232 mi.)</b>	<b>T72</b>	<b>417</b>
<b>22522 HOOVER ROAD</b>	<b>22522 HOOVER ROAD</b>	<b>N 1/8 - 1/4 (0.237 mi.)</b>	<b>U74</b>	<b>424</b>

## EXECUTIVE SUMMARY

Facility ID: 50001120				
<b>NASH MACHINERY</b>	<b>22701 NAGEL STREET</b>	<b>NNE 1/8 - 1/4 (0.239 mi.)</b>	<b>77</b>	<b>452</b>
Facility ID: 50500177				
<b>22705 HOOVER</b>	<b>22705 HOOVER</b>	<b>NNW 1/4 - 1/2 (0.270 mi.)</b>	<b>V81</b>	<b>457</b>
Facility ID: 50001077				
<b>22750 HOOVER ROAD</b>	<b>22750 HOOVER ROAD</b>	<b>N 1/4 - 1/2 (0.293 mi.)</b>	<b>W85</b>	<b>461</b>
Facility ID: 50500180				
<b>21520 MULLIN AVENUE</b>	<b>21520 MULLIN AVENUE</b>	<b>WSW 1/4 - 1/2 (0.316 mi.)</b>	<b>X87</b>	<b>466</b>
Facility ID: 50500479				
<b>21569 MULLIN AVENUE</b>	<b>21569 MULLIN AVENUE</b>	<b>WSW 1/4 - 1/2 (0.327 mi.)</b>	<b>X88</b>	<b>467</b>
Facility ID: 50500508				
<b>SAS GLOBAL CORPORATI</b>	<b>21601 MULLIN AVE</b>	<b>WSW 1/4 - 1/2 (0.329 mi.)</b>	<b>90</b>	<b>470</b>
Facility ID: 50500166				
<b>ALTERNATIVE TECHNOLOG</b>	<b>21275 MULLIN AVENUE</b>	<b>WSW 1/4 - 1/2 (0.364 mi.)</b>	<b>94</b>	<b>476</b>
Facility ID: 50001268				
<b>SPEEDWAY #8871</b>	<b>11700 E 9 MILE RD</b>	<b>N 1/4 - 1/2 (0.416 mi.)</b>	<b>Z96</b>	<b>480</b>
Facility ID: 16345				
<b>21826-21914 SCHMEMAN</b>	<b>21826 SCHMEMAN AVENU</b>	<b>E 1/4 - 1/2 (0.423 mi.)</b>	<b>AA98</b>	<b>489</b>
Facility ID: 50500541				
<b>22415 GROESBECK HIGH</b>	<b>22415 GROESBECK HIGH</b>	<b>ENE 1/4 - 1/2 (0.431 mi.)</b>	<b>102</b>	<b>496</b>
Facility ID: 50500173				
<b>CARBOLOY, INC.</b>	<b>21551 MULLIN AVENUE</b>	<b>WSW 1/4 - 1/2 (0.466 mi.)</b>	<b>AC109</b>	<b>514</b>
Facility ID: 50000642				
<b>21555-21601 MULLIN</b>	<b>21555-21601 MULLIN</b>	<b>WSW 1/4 - 1/2 (0.466 mi.)</b>	<b>AD110</b>	<b>516</b>
Facility ID: 50001048				
<b>ALAA PETROLEUM INC</b>	<b>11805 E 8 MILE RD</b>	<b>SSE 1/4 - 1/2 (0.474 mi.)</b>	<b>117</b>	<b>535</b>
Facility ID: 5737				
<b>11955 AND 12345 EAST</b>	<b>11955 AND 12345 EAST</b>	<b>N 1/4 - 1/2 (0.484 mi.)</b>	<b>AB119</b>	<b>544</b>
Facility ID: 50500456				
<b>Lower Elevation</b>	<b>Address</b>	<b>Direction / Distance</b>	<b>Map ID</b>	<b>Page</b>
<b>21493 GROESBECK HIGH</b>	<b>21493 GROESBECK HIGH</b>	<b>ESE 1/8 - 1/4 (0.200 mi.)</b>	<b>M48</b>	<b>303</b>
Facility ID: 50500552				
<b>LINDE GAS PROPERTY (</b>	<b>21801 GROESBECK</b>	<b>E 1/8 - 1/4 (0.240 mi.)</b>	<b>S78</b>	<b>455</b>
Facility ID: 50000860				
<b>MR MIKE ST PIERRE</b>	<b>22983 HOOVER RD</b>	<b>NNW 1/4 - 1/2 (0.423 mi.)</b>	<b>Z97</b>	<b>487</b>
Facility ID: 38367				

MI 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 MI PART 201 list, as provided by EDR, and dated 10/01/2013 has revealed that there

## EXECUTIVE SUMMARY

are 5 MI 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>
<b>EQUIPMENT MANUFACTUR</b> Facility Status: Interim Response conducted - No further activities anticipated Facility ID: 50000233 Facility ID: 50000684	<b>21550 HOOVER RD</b>	<b>SSE 0 - 1/8 (0.043 mi.)</b>	<b>E11</b>	<b>37</b>
<b>GIBBS MACHINERY CO</b> Facility Status: Inactive - no actions taken to address contamination Facility ID: 50000685	<b>21500 21550 21590 HO</b>	<b>S 0 - 1/8 (0.086 mi.)</b>	<b>G20</b>	<b>97</b>
<b>WEYERHAUSER PAPER CO</b> Facility Status: Interim Response in progress Facility ID: 50000108	<b>12850 EAST 9 MILE</b>	<b>NE 1/2 - 1 (0.523 mi.)</b>	<b>121</b>	<b>546</b>
<b>INLAND TOOL AND MFG</b> Facility Status: Interim Response in progress Facility ID: 82001413	<b>20263 HOOVER ST</b>	<b>S 1/2 - 1 (0.700 mi.)</b>	<b>124</b>	<b>580</b>
<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
<b>WELDALOY PRODUCTS CO</b> Facility Status: Evaluation in progress Facility ID: 50000767	<b>11551 STEPHENS DR</b>	<b>N 1/2 - 1 (0.958 mi.)</b>	<b>129</b>	<b>590</b>

MI DEL PART 201: 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.

A review of the MI DEL PART 201 list, as provided by EDR, and dated 08/01/2013 has revealed that there are 4 MI DEL 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>
<b>BUNDY CORPORATION</b> Facility Id: 50000672	<b>12345 E. NINE MILE</b>	<b>NNE 1/4 - 1/2 (0.472 mi.)</b>	<b>AE115</b>	<b>526</b>
<b>CARBOLOY INCORPORATE</b> Facility Id: 50000011	<b>11177 EAST EIGHT MIL</b>	<b>SW 1/2 - 1 (0.672 mi.)</b>	<b>123</b>	<b>548</b>
<b>MAHON DOOR CORP</b> Facility Id: 50000049	<b>13125 8 MILE</b>	<b>SE 1/2 - 1 (0.742 mi.)</b>	<b>128</b>	<b>589</b>
<b>PDS PROPERTIES</b> Facility Id: 82001916	<b>19925 HOOVER STREET</b>	<b>S 1/2 - 1 (0.973 mi.)</b>	<b>130</b>	<b>592</b>

### Other Ascertainable Records

RCRA NonGen / NLR: 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)

## EXECUTIVE SUMMARY

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.

A review of the RCRA NonGen / NLR list, as provided by EDR, and dated 03/06/2023 has revealed that there are 18 RCRA NonGen / NLR sites within approximately 0.25 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
<b>DY CHEM PROD CO</b> EPA ID:: MID985619105	<b>21703 HOOVER RD</b>	<b>SSW 0 - 1/8 (0.007 mi.)</b>	<b>A4</b>	<b>9</b>
<b>HOOVER STEEL TREATIN</b> EPA ID:: MID985636406	<b>21641 HOOVER RD</b>	<b>WSW 0 - 1/8 (0.024 mi.)</b>	<b>D7</b>	<b>24</b>
<b>EQUIPMENT MFG INC</b> EPA ID:: MID044255685	<b>21550 HOOVER RD</b>	<b>SSE 0 - 1/8 (0.043 mi.)</b>	<b>E12</b>	<b>44</b>
<b>TECHNICAL SERVICE PR</b> EPA ID:: MID982640666	<b>21601 HOOVER RD</b>	<b>SW 0 - 1/8 (0.049 mi.)</b>	<b>D16</b>	<b>63</b>
<b>INDUSTRIAL FOAMCRAFT</b> EPA ID:: MID052465473	<b>21900 HOOVER RD</b>	<b>N 0 - 1/8 (0.084 mi.)</b>	<b>17</b>	<b>90</b>
<b>SMS TECHNICAL SERVIC</b> EPA ID:: MID981795834	<b>22600 NAGEL ST</b>	<b>NE 1/8 - 1/4 (0.132 mi.)</b>	<b>H32</b>	<b>133</b>
<b>CALGON CORP</b> EPA ID:: MID000718692	<b>21441 HOOVER RD</b>	<b>SSW 1/8 - 1/4 (0.153 mi.)</b>	<b>L36</b>	<b>145</b>
<b>ENTHONE OMI INC</b> EPA ID:: MID056717747	<b>21441 HOOVER RD</b>	<b>SSW 1/8 - 1/4 (0.153 mi.)</b>	<b>L38</b>	<b>150</b>
EMERALD BUSINESS PAR EPA ID:: MIK763415207	21445 HOOVER RD	SSW 1/8 - 1/4 (0.153 mi.)	L41	274
<b>AMERICAN FELT &amp; FILT</b> EPA ID:: MID095393211	<b>21400 HOOVER RD</b>	<b>S 1/8 - 1/4 (0.204 mi.)</b>	<b>O51</b>	<b>312</b>
ACUMENT GLOBAL TECHN EPA ID:: MIK611678285	11500 HUPP AVE	NW 1/8 - 1/4 (0.215 mi.)	58	330
<b>ALLIED PROD CORP</b> EPA ID:: MID058813304	<b>22001 HOOVER RD</b>	<b>WNW 1/8 - 1/4 (0.216 mi.)</b>	<b>R62</b>	<b>340</b>
ARES MANUFACTURING C EPA ID:: MID005359195	21000 HOOVER RD	S 1/8 - 1/4 (0.232 mi.)	T68	363
<b>ARES MANUFACTURING C</b> EPA ID:: MIK843352725	<b>21000 HOOVER RD</b>	<b>S 1/8 - 1/4 (0.232 mi.)</b>	<b>T70</b>	<b>371</b>
<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
WORKBLADES INC EPA ID:: MIK864973383	21535 GROESBECK HWY	ESE 1/8 - 1/4 (0.187 mi.)	K44	291
NORTHERN TRANSPORT C EPA ID:: MID980823850	21725 GROESBECK HWY	E 1/8 - 1/4 (0.218 mi.)	S63	343
<b>WIEGAND'S CRUSHING,</b> EPA ID:: MID005339684	<b>21725 GROESBECK HIGH</b>	<b>E 1/8 - 1/4 (0.218 mi.)</b>	<b>S64</b>	<b>346</b>
RESPONSE FORKLIFT IN EPA ID:: MIK465717692	21644 GROESBECK HWY	E 1/8 - 1/4 (0.230 mi.)	S67	359

## EXECUTIVE SUMMARY

FUDS: 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.

A review of the FUDS list, as provided by EDR, and dated 05/08/2023 has revealed that there are 3 FUDS 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>
NOP CENTERLINE		SW 1/2 - 1 (0.733 mi.)	AF125	588
DETROIT ARSENAL WARR		SW 1/2 - 1 (0.733 mi.)	AF126	588
NIRAP WARREN		SW 1/2 - 1 (0.733 mi.)	AF127	589

2020 COR ACTION: 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.

A review of the 2020 COR ACTION list, as provided by EDR, and dated 09/30/2017 has revealed that there is 1 2020 COR ACTION site within approximately 0.25 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
<b>ENTHONE OMI INC</b> EPA ID:: MID056717747	<b>21441 HOOVER RD</b>	<b>SSW 1/8 - 1/4 (0.153 mi.)</b>	<b>L38</b>	<b>150</b>

FUSRAP: 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.

A review of the FUSRAP list, as provided by EDR, and dated 03/03/2023 has revealed that there is 1 FUSRAP 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>
CARBOLOY CO SITE Site Status: Eliminated from further consideration under FUSRAP - AEC licensed facility Site ID: MI 12	11177 E. EIGHT MILE	SSW 1/2 - 1 (0.616 mi.)	122	548

PFAS ECHO: 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.

A review of the PFAS ECHO list, as provided by EDR, and dated 03/30/2023 has revealed that there are 5 PFAS ECHO sites within approximately 0.25 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
AJAX METAL PROCESSIN		NNW 0 - 1/8 (0.105 mi.)	I25	113
ENTHONE OMI INC		SSW 1/8 - 1/4 (0.162 mi.)	L43	290
B&L PLATING, INC.		SE 1/8 - 1/4 (0.208 mi.)	N55	324
GFL-WARREN HOOVER		WNW 1/8 - 1/4 (0.216 mi.)	R59	335
MICHIGAN IRON & STEE		NNW 1/8 - 1/4 (0.218 mi.)	Q66	358

## EXECUTIVE SUMMARY

MI 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 MI BEA list, as provided by EDR, and dated 05/01/2023 has revealed that there are 41 MI BEA 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>
12001-12005 TOEPFER	12001 TOEPFER ROAD	E 0 - 1/8 (0.037 mi.)	B9	35
EQUIPMENT MANUFACTUR	21550 HOOVER RD	SSE 0 - 1/8 (0.043 mi.)	E11	37
WOLVERINE METAL CO I	21601 HOOVER RD	SW 0 - 1/8 (0.049 mi.)	D15	58
GIBBS MACHINERY CO	21500 21550 21590 HO	S 0 - 1/8 (0.086 mi.)	G20	97
22550 NAGEL STREET	22550 NAGEL STREET	NE 0 - 1/8 (0.104 mi.)	H24	111
CCT DELICOUPER INDUS	21535 HOOVER	SW 1/8 - 1/4 (0.127 mi.)	J27	119
CCT DE'COUPER IND	21535 HOOVER RD	SW 1/8 - 1/4 (0.127 mi.)	J28	121
SMS TECHNICAL SERVIC	22600 NAGEL ST	NE 1/8 - 1/4 (0.132 mi.)	H31	127
21547 HELLE	21547 HELLE	ESE 1/8 - 1/4 (0.144 mi.)	K34	139
CALGON CORP	21441 HOOVER RD	SSW 1/8 - 1/4 (0.153 mi.)	L35	140
ETHONE-OMI (FORMER)	21441 AND 21445 HOOV	SSW 1/8 - 1/4 (0.153 mi.)	L40	266
RENO MACHINERY & ENG	21401 HOOVER RD	SSW 1/8 - 1/4 (0.207 mi.)	54	321
GFL ENVIRONMENTAL US	22001 HOOVER RD	WNW 1/8 - 1/4 (0.216 mi.)	R61	337
ARES MANUFACTURING C	21000 HOOVER RD	S 1/8 - 1/4 (0.232 mi.)	T69	366
AUREUS HOLDINGS LTD	21000 HOOVER RD	S 1/8 - 1/4 (0.232 mi.)	T72	417
MICHIGAN IRON & STEE	22522 HOOVER RD	N 1/8 - 1/4 (0.237 mi.)	U73	422
22522 HOOVER ROAD	22522 HOOVER ROAD	N 1/8 - 1/4 (0.237 mi.)	U74	424
NASH MACHINERY	22701 NAGEL STREET	NNE 1/8 - 1/4 (0.239 mi.)	77	452
F.A.O. INVESTMENTS	22705 HOOVER ROAD	NNW 1/4 - 1/2 (0.270 mi.)	V80	457
22705 HOOVER	22705 HOOVER	NNW 1/4 - 1/2 (0.270 mi.)	V81	457
DELTA DEVELOPMENT &	21300 GROESBECK HIGH	SE 1/4 - 1/2 (0.278 mi.)	82	459
VACANT INDUSTRIAL BU	22728 HOOVER ROAD	N 1/4 - 1/2 (0.280 mi.)	U83	459
A. M. MCCARTHY & SON	22750 HOOVER ROAD	N 1/4 - 1/2 (0.293 mi.)	W84	460
22750 HOOVER ROAD	22750 HOOVER ROAD	N 1/4 - 1/2 (0.293 mi.)	W85	461
21520 MULLIN AVENUE	21520 MULLIN AVENUE	WSW 1/4 - 1/2 (0.316 mi.)	X87	466
21569 MULLIN AVENUE	21569 MULLIN AVENUE	WSW 1/4 - 1/2 (0.327 mi.)	X88	467
21569 MULLIN	21569 MULLIN	WSW 1/4 - 1/2 (0.327 mi.)	X89	469
SAS GLOBAL CORPORATI	21601 MULLIN AVE	WSW 1/4 - 1/2 (0.329 mi.)	90	470
12350 EAST NINE MILE	12350 EAST NINE MILE	NNE 1/4 - 1/2 (0.341 mi.)	Y91	471
ALTERNATIVE TECHNOLOG	21275 MULLIN AVENUE	WSW 1/4 - 1/2 (0.364 mi.)	94	476
21826-21914 SCHMEMAN	21826 SCHMEMAN AVENU	E 1/4 - 1/2 (0.423 mi.)	AA99	489
CENTRAL METAL PRODUC	12255 E 8 MILE	SSE 1/4 - 1/2 (0.427 mi.)	100	490
22415 GROESBECK HIGH	22415 GROESBECK HIGH	ENE 1/4 - 1/2 (0.431 mi.)	102	496
DCT	21551 MULLIN AVE	WSW 1/4 - 1/2 (0.466 mi.)	AC108	512
CARBOLOY, INC.	21551 MULLIN AVENUE	WSW 1/4 - 1/2 (0.466 mi.)	AC109	514
21555-21601 MULLIN	21555-21601 MULLIN	WSW 1/4 - 1/2 (0.466 mi.)	AD110	516
SCIWAY PAINTING LLC	21555 MULLIN AVE	WSW 1/4 - 1/2 (0.466 mi.)	AD111	518
12345 EAST NINE MILE	12345 EAST NINE MILE	NNE 1/4 - 1/2 (0.472 mi.)	AE113	522
BUNDY CORPORATION	12345 E. NINE MILE	NNE 1/4 - 1/2 (0.472 mi.)	AE115	526
HENDERSON PROPERTIES	21555 & 21601 MULLIN	WSW 1/4 - 1/2 (0.474 mi.)	AC118	543
<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
21493 GROESBECK HIGH	21493 GROESBECK HIGH	ESE 1/8 - 1/4 (0.200 mi.)	M48	303

## EXECUTIVE SUMMARY

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

A review of the NY MANIFEST list, as provided by EDR, and dated 01/01/2019 has revealed that there is 1 NY MANIFEST site within approximately 0.25 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
<b>ENTHONE OMI INC</b> EPA ID: MID056717747	<b>21441 HOOVER RD</b>	<b>SSW 1/8 - 1/4 (0.153 mi.)</b>	<b>L38</b>	<b>150</b>

RI MANIFEST: Hazardous waste manifest information

A review of the RI MANIFEST list, as provided by EDR, and dated 12/31/2020 has revealed that there is 1 RI MANIFEST site within approximately 0.25 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
<b>ENTHONE OMI INC</b> EPA ID: MID056717747 Manifest Document Number: RIH0001531	<b>21441 HOOVER RD</b>	<b>SSW 1/8 - 1/4 (0.153 mi.)</b>	<b>L38</b>	<b>150</b>

MN MANIFEST: Hazardous waste manifest data.

A review of the MN MANIFEST list, as provided by EDR, and dated 06/30/2016 has revealed that there is 1 MN MANIFEST site within approximately 0.25 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
<b>HOOVER CHEMICAL &amp; PL</b>	<b>21441 HOOVER RD</b>	<b>SSW 1/8 - 1/4 (0.153 mi.)</b>	<b>L37</b>	<b>149</b>

### EDR HIGH RISK HISTORICAL RECORDS

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

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

A review of the EDR Hist Auto list, as provided by EDR, has revealed that there is 1 EDR Hist Auto site within approximately 0.25 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
<b>M &amp; D TOWING</b>	<b>21780 HOOVER RD</b>	<b>WNW 0 - 1/8 (0.023 mi.)</b>	<b>C6</b>	<b>24</b>

## EXECUTIVE SUMMARY

Due to poor or inadequate address information, the following sites were not mapped. Count: 4 records.

Site Name

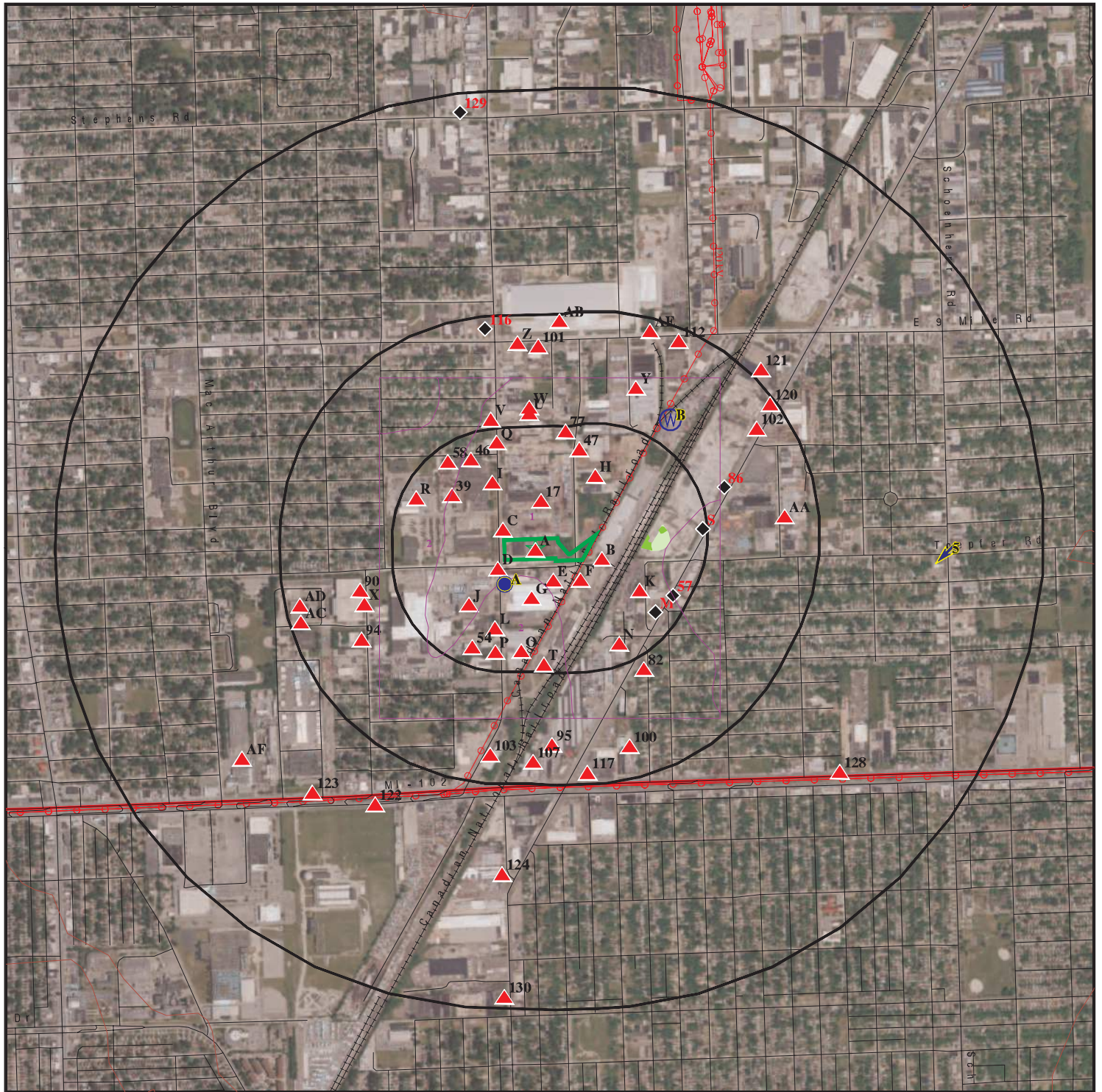
RYAN FOOD MART LLC

22349, 22425, 22445 & 22449 GROESB  
TOEPFER ROAD TAX ID 13-35-302-004  
UDYLITE CORP

Database(s)

MI LUST, MI INVENTORY, MI  
Financial Assurance  
MI INVENTORY, MI BEA, MI VCP  
MI INVENTORY, MI BEA, MI VCP  
PRP

# OVERVIEW MAP - 7414071.2S



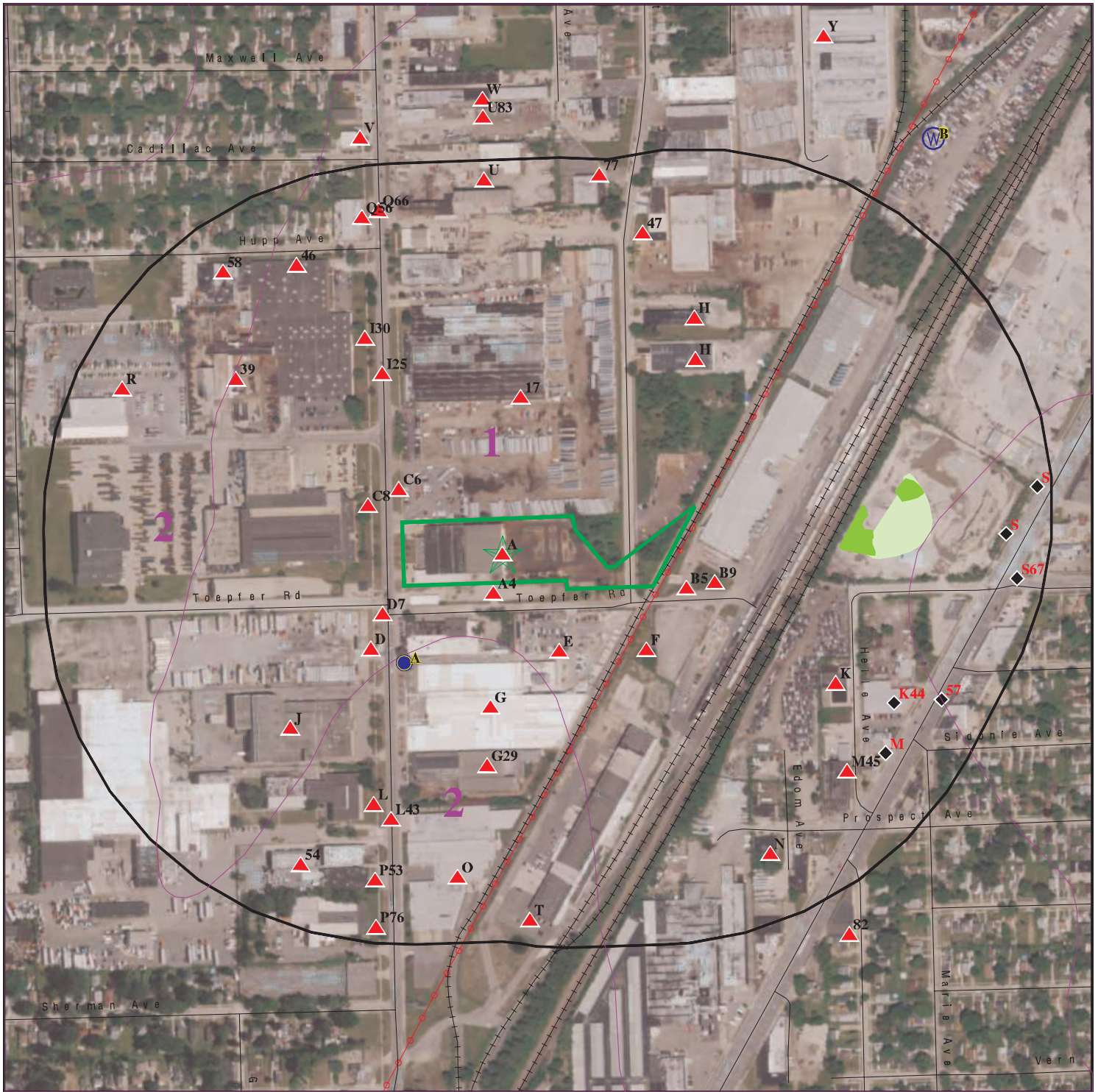
- Target Property
- Sites at elevations higher than or equal to the target property
- Sites at elevations lower than the target property
- Manufactured Gas Plants
- National Priority List Sites
- Dept. Defense Sites
- Indian Reservations BIA
- County Boundary
- Power transmission lines
- Special Flood 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: 21750 Hoover Road  
 ADDRESS: 21750 Hoover Road  
 Warren MI 48089  
 LAT/LONG: 42.456738 / 83.003878

CLIENT: Ramboll  
 CONTACT: Maddy Salo  
 INQUIRY #: 7414071.2s  
 DATE: August 10, 2023 4:33 pm

# DETAIL MAP - 7414071.2S



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

Power transmission lines

Special Flood Hazard Area (1%)

0.2% Annual Chance Flood Hazard

National Wetland Inventory

State Wetlands

0 1/16 1/8 1/4 Miles



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

SITE NAME: 21750 Hoover Road  
ADDRESS: 21750 Hoover Road  
Warren MI 48089  
LAT/LONG: 42.456738 / 83.003878

CLIENT: Ramboll  
CONTACT: Maddy Salo  
INQUIRY #: 7414071.2s  
DATE: August 10, 2023 4:35 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
<b>STANDARD ENVIRONMENTAL RECORDS</b>								
<b><i>Lists of Federal NPL (Superfund) sites</i></b>								
NPL	1.000		0	0	0	0	NR	0
Proposed NPL	1.000		0	0	0	0	NR	0
NPL LIENS	0.001		0	NR	NR	NR	NR	0
<b><i>Lists of Federal Delisted NPL sites</i></b>								
Delisted NPL	1.000		0	0	0	0	NR	0
<b><i>Lists of Federal sites subject to CERCLA removals and CERCLA orders</i></b>								
FEDERAL FACILITY	0.500		0	0	0	NR	NR	0
SEMS	0.500		0	0	0	NR	NR	0
<b><i>Lists of Federal CERCLA sites with NFRAP</i></b>								
SEMS-ARCHIVE	0.500		0	1	0	NR	NR	1
<b><i>Lists of Federal RCRA facilities undergoing Corrective Action</i></b>								
CORRACTS	1.000		0	1	0	1	NR	2
<b><i>Lists of Federal RCRA TSD facilities</i></b>								
RCRA-TSDF	0.500		0	1	0	NR	NR	1
<b><i>Lists of Federal RCRA generators</i></b>								
RCRA-LQG	0.250		0	1	NR	NR	NR	1
RCRA-SQG	0.250		0	0	NR	NR	NR	0
RCRA-VSQG	0.250		3	7	NR	NR	NR	10
<b><i>Federal institutional controls / engineering controls registries</i></b>								
LUCIS	0.500		0	0	0	NR	NR	0
US ENG CONTROLS	0.500		0	0	0	NR	NR	0
US INST CONTROLS	0.500		0	1	0	NR	NR	1
<b><i>Federal ERNS list</i></b>								
ERNS	0.001		0	NR	NR	NR	NR	0
<b><i>Lists of state- and tribal hazardous waste facilities</i></b>								
MI SHWS	1.000		0	0	0	0	NR	0
<b><i>Lists of state and tribal landfills and solid waste disposal facilities</i></b>								
MI SWF/LF	0.500		0	1	0	NR	NR	1
<b><i>Lists of state and tribal leaking storage tanks</i></b>								
MI LUST	0.500		4	9	16	NR	NR	29

## 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
<b><i>Lists of state and tribal registered storage tanks</i></b>								
FEMA UST	0.250		0	0	NR	NR	NR	0
MI UST	0.250		4	10	NR	NR	NR	14
MI AST	0.250		0	2	NR	NR	NR	2
INDIAN UST	0.250		0	0	NR	NR	NR	0
<b><i>State and tribal institutional control / engineering control registries</i></b>								
MI AUL	0.500		0	2	1	NR	NR	3
<b><i>Lists of state and tribal voluntary cleanup sites</i></b>								
INDIAN VCP	0.500		0	0	0	NR	NR	0
MI VCP	0.500		7	9	12	NR	NR	28
<b><i>Lists of state and tribal brownfield sites</i></b>								
MI BROWNFIELDS	0.500		1	0	0	NR	NR	1
<b><u>ADDITIONAL ENVIRONMENTAL RECORDS</u></b>								
<b><i>Local Brownfield lists</i></b>								
US BROWNFIELDS	0.500		0	1	0	NR	NR	1
<b><i>Local Lists of Landfill / Solid Waste Disposal Sites</i></b>								
MI SWRCY	0.500		0	0	0	NR	NR	0
MI HIST LF	0.500		0	0	0	NR	NR	0
INDIAN ODI	0.500		0	0	0	NR	NR	0
ODI	0.500		0	0	0	NR	NR	0
DEBRIS REGION 9	0.500		0	0	0	NR	NR	0
IHS OPEN DUMPS	0.500		0	0	0	NR	NR	0
<b><i>Local Lists of Hazardous waste / Contaminated Sites</i></b>								
US HIST CDL	0.001		0	NR	NR	NR	NR	0
MI INVENTORY	0.500		5	11	14	NR	NR	30
MI PART 201	1.000		2	0	0	3	NR	5
MI CDL	0.001		0	NR	NR	NR	NR	0
MI DEL PART 201	1.000		0	0	1	3	NR	4
US CDL	0.001		0	NR	NR	NR	NR	0
<b><i>Local Land Records</i></b>								
MI LIENS	0.001		0	NR	NR	NR	NR	0
LIENS 2	0.001		0	NR	NR	NR	NR	0
<b><i>Records of Emergency Release Reports</i></b>								
HMIRS	0.001		0	NR	NR	NR	NR	0
MI SPILLS	0.001		0	NR	NR	NR	NR	0
<b><i>Other Ascertainable Records</i></b>								
RCRA NonGen / NLR	0.250		5	13	NR	NR	NR	18

## 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	3	NR	3
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	1	NR	NR	NR	1
TSCA	0.001		0	NR	NR	NR	NR	0
TRIS	0.001		0	NR	NR	NR	NR	0
SSTS	0.001		0	NR	NR	NR	NR	0
ROD	1.000		0	0	0	0	NR	0
RMP	0.001		0	NR	NR	NR	NR	0
RAATS	0.001		0	NR	NR	NR	NR	0
PRP	0.001		0	NR	NR	NR	NR	0
PADS	0.001		0	NR	NR	NR	NR	0
ICIS	0.001		0	NR	NR	NR	NR	0
FTTS	0.001		0	NR	NR	NR	NR	0
MLTS	0.001		0	NR	NR	NR	NR	0
COAL ASH DOE	0.001		0	NR	NR	NR	NR	0
COAL ASH EPA	0.500		0	0	0	NR	NR	0
PCB TRANSFORMER	0.001		0	NR	NR	NR	NR	0
RADINFO	0.001		0	NR	NR	NR	NR	0
HIST FTTS	0.001		0	NR	NR	NR	NR	0
DOT OPS	0.001		0	NR	NR	NR	NR	0
CONSENT	1.000		0	0	0	0	NR	0
INDIAN RESERV	1.000		0	0	0	0	NR	0
FUSRAP	1.000		0	0	0	1	NR	1
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	TP		NR	NR	NR	NR	NR	0
FINDS	0.001	1	0	NR	NR	NR	NR	1
ECHO	TP	1	NR	NR	NR	NR	NR	1
UXO	1.000		0	0	0	0	NR	0
DOCKET HWC	TP		NR	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 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 ECHO	0.250		1	4	NR	NR	NR	5
PFAS ECHO FIRE TRAINING	0.250		0	0	NR	NR	NR	0
PFAS PART 139 AIRPORT	0.250		0	0	NR	NR	NR	0
AQUEOUS FOAM NRC	0.250		0	0	NR	NR	NR	0
MI PFAS	0.250		0	0	NR	NR	NR	0
MI AIRS	0.001		0	NR	NR	NR	NR	0
MI ASBESTOS	TP		NR	NR	NR	NR	NR	0
MI BEA	0.500		5	14	22	NR	NR	41

## 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
MI COAL ASH	0.500		0	0	0	NR	NR	0
MI DRYCLEANERS	0.250		0	0	NR	NR	NR	0
MI Financial Assurance	0.001		0	NR	NR	NR	NR	0
MI LEAD	TP		NR	NR	NR	NR	NR	0
NY MANIFEST	0.250		0	1	NR	NR	NR	1
RI MANIFEST	0.250		0	1	NR	NR	NR	1
MN MANIFEST	0.250		0	1	NR	NR	NR	1
MI NPDES	0.001	1	0	NR	NR	NR	NR	1
MI UIC	0.001		0	NR	NR	NR	NR	0
MI WDS	0.001	1	0	NR	NR	NR	NR	1
PFAS TRIS	0.250		0	0	NR	NR	NR	0
MINES MRDS	TP		NR	NR	NR	NR	NR	0

### EDR HIGH RISK HISTORICAL RECORDS

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

EDR MGP	1.000		0	0	0	0	NR	0
EDR Hist Auto	0.250		1	0	NR	NR	NR	1
EDR Hist Cleaner	0.250		0	0	NR	NR	NR	0

### EDR RECOVERED GOVERNMENT ARCHIVES

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

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

- Totals --		4	38	92	66	11	0	211
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#### 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

**A1** **NIAGARA LASALLE CORP-HOOVER**  
**Target** **21750 HOOVER ROAD**  
**Property** **WARREN, MI 48089**

**MI NPDES** **S107793853**  
**MI WDS** **N/A**

**Site 1 of 4 in cluster A**

**Actual:**  
**625 ft.**

MI NPDES:  
Name: NIAGARA LASALLE CORP-HOOVER  
Address: 21750 HOOVER ROAD  
City,State,Zip: WARREN, MI 48089  
Permit Number: MIS110306  
Permittee PO Box: Not reported  
Permittee Email: Not reported  
Issue Date: 07/02/2021  
Effective Date: 07/02/2021  
Expiration Date: 04/01/2026  
Permittee Name: Niagara LaSalle Corporation  
Permittee Address: 22700 Nagel Street  
Permittee Addr2: Not reported  
Permittee City,St,Zip: Warren, MI 48089  
Permit Type: NPDES Certificate of Coverage under General Permit (COC)  
Facility Name 2: Not reported  
Facility Name 3: Not reported  
Facility Name 4: Not reported  
Designed Name: Not reported  
Latitude: 42.4561  
Lat Direction: Not reported  
Lat Type Code: Not reported  
Longitude: -83.005  
Lon Direction: Not reported  
Lon Type Code: Not reported  
Hydrologic Unit Code: Not reported  
Permit Status: In Effect  
COC Permit Category: SW-Industrial CY1  
DEQ District Email: Warren  
DEQ Permit Compliance Manager: Eric Moore  
DEQ Permit Compliance Manager Email: MooreE12@michigan.gov

WDS:  
Name: PLYMOUTH SHAFTING  
Address: 21750 HOOVER RD  
City,State,Zip: WARREN, MI 48089  
Site Id: MIG000053035  
WMD Id: 437265  
Site Specific Name: PLYMOUTH SHAFTING  
Mailing Address: 21750 HOOVER RD  
Mailing City/State/Zip: 48089  
Mailing County: MACOMB

**A2** **NIAGARA LASALLE CORP-HOOVER**  
**Target** **21750 HOOVER ROAD**  
**Property** **WARREN, MI 48089**

**FINDS** **1027554216**  
**N/A**

**Site 2 of 4 in cluster A**

**Actual:**  
**625 ft.**

FINDS:  
Registry ID: 110071319789

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**NIAGARA LASALLE CORP-HOOVER (Continued)**

**1027554216**

Click Here for FRS Facility Detail Report:

Environmental Interest/Information System:

US National Pollutant Discharge Elimination System (NPDES) module of the Compliance Information System (ICIS) tracks surface water permits issued under the Clean Water Act. Under NPDES, all facilities that discharge pollutants from any point source into waters of the United States are required to obtain a permit. The permit will likely contain limits on what can be discharged, impose monitoring and reporting requirements, and include other provisions to ensure that the discharge does not adversely affect water quality.

[Click this hyperlink](#) while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

**A3  
Target  
Property**

**NIAGARA LASALLE CORP-HOOVER  
21750 HOOVER ROAD  
WARREN, MI 48089**

**ECHO 1027496270  
N/A**

**Site 3 of 4 in cluster A**

**Actual:  
625 ft.**

ECHO:  
Envid: 1027496270  
Registry ID: 110071319789  
DFR URL: <http://echo.epa.gov/detailed-facility-report?fid=110071319789>  
Name: NIAGARA LASALLE CORP-HOOVER  
Address: 21750 HOOVER ROAD  
City,State,Zip: WARREN, MI 48089

**A4  
SSW  
< 1/8  
0.007 mi.  
35 ft.**

**DY CHEM PROD CO  
21703 HOOVER RD  
WARREN, MI 48089**

**MI LUST 1000529462  
MI UST MID985619105  
RCRA NonGen / NLR  
FINDS  
ECHO**

**Site 4 of 4 in cluster A**

**Relative:  
Higher**

LUST:  
Name: DY-CHEM PRODUCTS CO  
Address: 21704 HOOVER RD  
City,State,Zip: WARREN, MI 48089  
Facility ID: 8663  
Source: 24000  
Owner Name: Prop, Pipeline  
Owner Address: Not reported  
Owner City,St,Zip: Not reported  
Owner Contact: Not reported  
Owner Phone: (248) 528-3577  
Country: Not reported  
District: Warren  
Site Name: Dy-chem Product  
Latitude: 42.45642  
Longitude: -83.00399  
Date of Collection: Not reported  
Method of Collection: The geographic coordinate determination method based on interpolation-photo.  
Accuracy: 20  
Accuracy Value Unit: Not reported  
Horizontal Data: North American Datum of 1983

**Actual:  
625 ft.**

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**DY CHEM PROD CO (Continued)**

**1000529462**

Point Line Area: Center of a facility or station  
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: 17911  
Release Date: 01/08/1991  
Substance Released: Not reported  
Release Status: Closed  
Release Closed Date: 10/13/2005

Leak Number: C-0028-91  
Release Date: 01/08/1991  
Substance Released: Not reported  
Release Status: Closed  
Release Closed Date: 10/13/2005

**UST:**

Name: DY-CHEM PRODUCTS CO  
Address: 21704 HOOVER RD  
City,State,Zip: WARREN 48089-2504  
Facility Type: CLOSED  
Facility ID: 00008663  
Owner Name: DY-CHEM PRODUCTS CO  
Owner Address: 21703 HOOVER RD  
Owner City: WARREN  
Owner State: MI  
Owner Zip: 48089-2544  
Owner Contact: Not reported  
Owner Phone: 3137572110  
Contact: RICHARD O. DYE  
Contact Phone: (313) 757-2110  
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: Region 1 - SE Michigan District Office  
Tank ID: 1  
Capacity: 1500  
Tank Status: Removed from Ground  
Substance: Gasoline  
Install Date: 04/09/1966  
Remove Date: 05/31/1991  
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

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**DY CHEM PROD CO (Continued)**

**1000529462**

Impressed Device: Not reported  
Latitude: 42.45654  
Longitude: -83.00540

**RCRA Listings:**

Date Form Received by Agency:	19980917
Handler Name:	Dy Chem Prod Co
Handler Address:	21703 HOOVER RD
Handler City,State,Zip:	WARREN, MI 48089
EPA ID:	MID985619105
Contact Name:	RICHARD DYE
Contact Address:	21703 HOOVER RD
Contact City,State,Zip:	WARREN, MI 48089
Contact Telephone:	313-757-2110
Contact Fax:	Not reported
Contact Email:	Not reported
Contact Title:	Not reported
EPA Region:	05
Land Type:	Other
Federal Waste Generator Description:	Not a generator, verified
Non-Notifier:	Not reported
Biennial Report Cycle:	Not reported
Accessibility:	Not reported
Active Site Indicator:	Not reported
State District Owner:	Not reported
State District:	Not reported
Mailing Address:	21703 HOOVER RD
Mailing City,State,Zip:	WARREN, MI 48089
Owner Name:	No Active O/Op As Not Generating Waste
Owner Type:	Private
Operator Name:	No Active O/Op As Not Generating Waste
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
Universal Waste Destination Facility:	No
Federal Universal Waste:	No
Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	NN
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:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**DY CHEM PROD CO (Continued)**

**1000529462**

Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
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:	Not reported
Manifest Broker:	Not reported
Sub-Part P Indicator:	No

**Hazardous Waste Summary:**

Waste Code:	D001
Waste Description:	Ignitable Waste

**Handler - Owner Operator:**

Owner/Operator Indicator:	Operator
Owner/Operator Name:	NO ACTIVE O/OP AS NOT GENERATING WASTE
Legal Status:	Private
Date Became Current:	20020101
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:	NO ACTIVE O/OP AS NOT GENERATING WASTE
Legal Status:	Private
Date Became Current:	20020101
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:	NO ACTIVE O/OP AS NOT GENERATING WASTE
Legal Status:	Private
Date Became Current:	20020101
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

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**DY CHEM PROD CO (Continued)**

**1000529462**

Owner/Operator Email: Not reported

Owner/Operator Indicator: Owner

Owner/Operator Name: NO ACTIVE O/OP AS NOT GENERATING WASTE

Legal Status: Private

Date Became Current: 20020101

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: 19980917

Handler Name: DY CHEM PROD CO

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: Yes

Non Storage Recycler Activity: Not reported

Electronic Manifest Broker: Not reported

Receive Date: 19910722

Handler Name: DY CHEM PROD CO

Federal Waste Generator Description: 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: No

Non Storage Recycler Activity: Not reported

Electronic Manifest Broker: Not reported

**List of NAICS Codes and Descriptions:**

NAICS Code: 11131

NAICS Description: ORANGE GROVES

**Facility Has Received Notices of Violations:**

Violations: No Violations Found

**Evaluation Action Summary:**

Evaluations: No Evaluations Found

**FINDS:**

Registry ID: 110003661083

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**DY CHEM PROD CO (Continued)**

**1000529462**

Click Here for FRS Facility Detail Report:

Environmental Interest/Information System:

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

Click this hyperlink while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

ECHO:

Envid: 1000529462  
Registry ID: 110003661083  
DFR URL: <http://echo.epa.gov/detailed-facility-report?fid=110003661083>  
Name: DY CHEM PROD CO  
Address: 21703 HOOVER RD  
City,State,Zip: WARREN, MI 48089

**B5**  
**East**  
**< 1/8**  
**0.021 mi.**  
**111 ft.**

**NEXEO SOLUTIONS LLC**  
**12005 TOEPFER RD**  
**WARREN, MI 48089**

**RCRA-VSQG** **1000866189**  
**FINDS** **MID985663376**  
**ECHO**

**Site 1 of 2 in cluster B**

**Relative:**  
**Higher**  
**Actual:**  
**625 ft.**

RCRA Listings:

Date Form Received by Agency:	20201207
Handler Name:	Nexeo Solutions Llc
Handler Address:	12005 TOEPFER RD
Handler City,State,Zip:	WARREN, MI 48089
EPA ID:	MID985663376
Contact Name:	CHARLES BONNIE
Contact Address:	Not reported
Contact City,State,Zip:	Not reported
Contact Telephone:	832-610-6712
Contact Fax:	Not reported
Contact Email:	CBONNIE@NEXEOPLASTICS.COM
Contact Title:	Not reported
EPA Region:	05
Land Type:	Other
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:	5200 BLAZER PARKWAY DS-4
Mailing City,State,Zip:	DUBLIN, OH 43017
Owner Name:	No Active O/Op As Not Generating Waste
Owner Type:	Private
Operator Name:	No Active O/Op As Not Generating Waste
Operator Type:	Private
Short-Term Generator Activity:	No
Importer Activity:	No
Mixed Waste Generator:	No

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**NEXEO SOLUTIONS LLC (Continued)**

**1000866189**

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
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:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
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:	20210727
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:	Operator
Owner/Operator Name:	ASHLAND CHEMICAL CO
Legal Status:	Private
Date Became Current:	19440724
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

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**NEXEO SOLUTIONS LLC (Continued)**

**1000866189**

Owner/Operator Indicator: Operator  
Owner/Operator Name: ASHLAND CHEMICAL CO  
Legal Status: Private  
Date Became Current: 19440724  
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: ASHLAND CHEMICAL CO  
Legal Status: Private  
Date Became Current: 19440724  
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: ASHLAND CHEMICAL CO  
Legal Status: Private  
Date Became Current: 19440724  
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: ASHLAND CHEMICAL CO  
Legal Status: Private  
Date Became Current: 19440724  
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: ASHLAND CHEMICAL CO  
Legal Status: Private  
Date Became Current: 19440724  
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

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**NEXEO SOLUTIONS LLC (Continued)**

**1000866189**

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

Owner/Operator Indicator: Owner  
Owner/Operator Name: ASHLAND CHEMICAL CO  
Legal Status: Private  
Date Became Current: 19440724  
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: ASHLAND CHEMICAL CO  
Legal Status: Private  
Date Became Current: 19440724  
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: ASHLAND CHEMICAL CO  
Legal Status: Private  
Date Became Current: 19440724  
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: NEXEO SOLUTIONS LLC  
Legal Status: Private  
Date Became Current: 20110331  
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: ASHLAND CHEMICAL CO  
Legal Status: Private  
Date Became Current: 19440724  
Date Ended Current: Not reported  
Owner/Operator Address: Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**NEXEO SOLUTIONS LLC (Continued)**

**1000866189**

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: ASHLAND CHEMICAL CO  
Legal Status: Private  
Date Became Current: 19440724  
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: ASHLAND CHEMICAL CO  
Legal Status: Private  
Date Became Current: 19440724  
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: NO ACTIVE O/OP AS NOT GENERATING WASTE  
Legal Status: Private  
Date Became Current: 20201202  
Date Ended Current: Not reported  
Owner/Operator Address: 5200 BLAZER PARKWAY DS-4  
Owner/Operator City,State,Zip: DUBLIN, OH 43017-5309  
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: NO ACTIVE O/OP AS NOT GENERATING WASTE  
Legal Status: Private  
Date Became Current: 20201202  
Date Ended Current: Not reported  
Owner/Operator Address: 5200 BLAZER PARKWAY DS-4  
Owner/Operator City,State,Zip: DUBLIN, OH 43017-5309  
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: ASHLAND CHEMICAL CO  
Legal Status: Private

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**NEXEO SOLUTIONS LLC (Continued)**

**1000866189**

Date Became Current: 19440724  
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: ASHLAND CHEMICAL CO  
Legal Status: Private  
Date Became Current: 19440724  
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: ASHLAND CHEMICAL CO  
Legal Status: Private  
Date Became Current: 19440724  
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: ASHLAND CHEMICAL CO  
Legal Status: Private  
Date Became Current: 19440724  
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: NEXEO SOLUTIONS LLC  
Legal Status: Private  
Date Became Current: 20110331  
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

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**NEXEO SOLUTIONS LLC (Continued)**

**1000866189**

Historic Generators:

Receive Date: 19930625  
Handler Name: ASHLAND INC  
Federal Waste Generator Description: 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: No  
Non Storage Recycler Activity: Not reported  
Electronic Manifest Broker: Not reported

Receive Date: 20020909  
Handler Name: ASHLAND INC  
Federal Waste Generator Description: 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: No  
Non Storage Recycler Activity: Not reported  
Electronic Manifest Broker: Not reported

Receive Date: 20030811  
Handler Name: ASHLAND INC  
Federal Waste Generator Description: 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: No  
Non Storage Recycler Activity: Not reported  
Electronic Manifest Broker: Not reported

Receive Date: 20040226  
Handler Name: ASHLAND INC  
Federal Waste Generator Description: 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: No  
Non Storage Recycler Activity: Not reported  
Electronic Manifest Broker: Not reported

Receive Date: 20070213  
Handler Name: ASHLAND INC  
Federal Waste Generator Description: Small Quantity Generator  
State District Owner: Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**NEXEO SOLUTIONS LLC (Continued)**

**1000866189**

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: 20100427  
Handler Name: ASHLAND INC  
Federal Waste Generator Description: 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: No  
Non Storage Recycler Activity: Not reported  
Electronic Manifest Broker: Not reported

Receive Date: 20100914  
Handler Name: ASHLAND INC  
Federal Waste Generator Description: 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: No  
Non Storage Recycler Activity: Not reported  
Electronic Manifest Broker: Not reported

Receive Date: 20110331  
Handler Name: NEXEO SOLUTIONS LLC  
Federal Waste Generator Description: 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: No  
Non Storage Recycler Activity: Not reported  
Electronic Manifest Broker: Not reported

Receive Date: 20201207  
Handler Name: NEXEO SOLUTIONS LLC  
Federal Waste Generator Description: 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

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**NEXEO SOLUTIONS LLC (Continued)**

**1000866189**

Current Record:	Yes
Non Storage Recycler Activity:	No
Electronic Manifest Broker:	No
Receive Date:	19980216
Handler Name:	ASHLAND CHEMICAL
Federal Waste Generator Description:	Large 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:	No
Non Storage Recycler Activity:	Not reported
Electronic Manifest Broker:	Not reported

List of NAICS Codes and Descriptions:

NAICS Code:	42269
NAICS Description:	OTHER CHEMICAL AND ALLIED PRODUCTS WHOLESALERS
NAICS Code:	42461
NAICS Description:	PLASTICS MATERIALS AND BASIC FORMS AND SHAPES MERCHANT WHOLESALERS
NAICS Code:	42471
NAICS Description:	PETROLEUM BULK STATIONS AND TERMINALS

Has the Facility Received Notices of Violations:

Found Violation:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	LDR - General
Date Violation was Determined:	19950530
Actual Return to Compliance Date:	19950629
Return to Compliance Qualifier:	Observed
Violation Responsible Agency:	State
Scheduled Compliance Date:	19950623
Enforcement Identifier:	001
Date of Enforcement Action:	19950530
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:	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

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**NEXEO SOLUTIONS LLC (Continued)**

**1000866189**

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:	19950525
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	Not reported
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	19950629
Scheduled Compliance Date:	19950623
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported

**FINDS:**

Registry ID: 110003683755

[Click Here for FRS Facility Detail Report:](#)

**Environmental Interest/Information System:**

US EPA TRIS (Toxics Release Inventory System) contains information from facilities on the amounts of over 300 listed toxic chemicals that these facilities release directly to air, water, land, or that are transported off-site.

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

[Click this hyperlink](#) while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

**ECHO:**

Envid:	1000866189
Registry ID:	110003683755
DFR URL:	<a href="http://echo.epa.gov/detailed-facility-report?fid=110003683755">http://echo.epa.gov/detailed-facility-report?fid=110003683755</a>
Name:	NEXEO SOLUTIONS LLC
Address:	12005 TOEPFER RD
City,State,Zip:	WARREN, MI 48089

## MAP FINDINGS

Distance Elevation	Site	Database(s)	EDR ID Number EPA ID Number
C6 WNW < 1/8 0.023 mi. 123 ft.	M & D TOWING 21780 HOOVER RD WARREN, MI 48089  Site 1 of 2 in cluster C	EDR Hist Auto	1021472014 N/A
Relative: Higher	EDR Hist Auto		
Actual: 627 ft.	Year: Name: 1989 M D SERVICE 1990 M & D SERVICE INC 1991 M & D SERVICE INC	Type: Gasoline Service Stations Gasoline Service Stations Gasoline Service Stations	
D7 WSW < 1/8 0.024 mi. 127 ft.	HOOVER STEEL TREATING CO 21641 HOOVER RD WARREN, MI 48089  Site 1 of 3 in cluster D	RCRA NonGen / NLR ICIS FTTS HIST FTTS FINDS ECHO	1000865892 MID985636406
Relative: Higher	RCRA Listings:		
Actual: 627 ft.	Date Form Received by Agency: 20020930 Handler Name: Hoover Steel Treating Co Handler Address: 21641 HOOVER RD Handler City,State,Zip: WARREN, MI 48089 EPA ID: MID985636406 Contact Name: MIKE COBURN Contact Address: 21641 HOOVER RD Contact City,State,Zip: WARREN, MI 48089 Contact Telephone: 586-758-1478 Contact Fax: Not reported Contact Email: Not reported Contact Title: Not reported EPA Region: 05 Land Type: Other Federal Waste Generator Description: Not a generator, verified Non-Notifier: Not reported Biennial Report Cycle: Not reported Accessibility: Not reported Active Site Indicator: Not reported State District Owner: Not reported State District: Not reported Mailing Address: 21641 HOOVER RD Mailing City,State,Zip: WARREN, MI 48089 Owner Name: No Active O/Op As Not Generating Waste Owner Type: Private Operator Name: No Active O/Op As Not Generating Waste 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 Universal Waste Destination Facility: No		

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**HOOVER STEEL TREATING CO (Continued)**

**1000865892**

Federal Universal Waste:	No
Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	NN
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:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
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:	Not reported
Manifest Broker:	Not reported
Sub-Part P Indicator:	No

**Hazardous Waste Summary:**

Waste Code:	D001
Waste Description:	Ignitable Waste

**Handler - Owner Operator:**

Owner/Operator Indicator:	Operator
Owner/Operator Name:	NO ACTIVE O/OP AS NOT GENERATING WASTE
Legal Status:	Private
Date Became Current:	20031206
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:	NO ACTIVE O/OP AS NOT GENERATING WASTE
Legal Status:	Private
Date Became Current:	20031206
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

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**HOOVER STEEL TREATING CO (Continued)**

**1000865892**

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

Owner/Operator Indicator: Owner  
Owner/Operator Name: NO ACTIVE O/OP AS NOT GENERATING WASTE  
Legal Status: Private  
Date Became Current: 20031206  
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: NO ACTIVE O/OP AS NOT GENERATING WASTE  
Legal Status: Private  
Date Became Current: 20031206  
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: NO ACTIVE O/OP AS NOT GENERATING WASTE  
Legal Status: Private  
Date Became Current: 20031206  
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: NO ACTIVE O/OP AS NOT GENERATING WASTE  
Legal Status: Private  
Date Became Current: 20031206  
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: 19930512  
Handler Name: HOOVER STEEL TREATING CO  
Federal Waste Generator Description: Small Quantity Generator  
State District Owner: Not reported  
Large Quantity Handler of Universal Waste: No

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**HOOVER STEEL TREATING CO (Continued)**

**1000865892**

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: 20020828  
Handler Name: HOOVER STEEL TREATING CO  
Federal Waste Generator Description: 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: No  
Non Storage Recycler Activity: Not reported  
Electronic Manifest Broker: Not reported

Receive Date: 20020930  
Handler Name: HOOVER STEEL TREATING CO  
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: Yes  
Non Storage Recycler Activity: Not reported  
Electronic Manifest Broker: Not reported

List of NAICS Codes and Descriptions:

NAICS Code: 33281  
NAICS Description: COATING, ENGRAVING, HEAT TREATING, AND ALLIED ACTIVITIES

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: 19970623  
Actual Return to Compliance Date: 19970918  
Return to Compliance Qualifier: Observed  
Violation Responsible Agency: State  
Scheduled Compliance Date: 19970721  
Enforcement Identifier: 001  
Date of Enforcement Action: 19970623  
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

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**HOOVER STEEL TREATING CO (Continued)**

**1000865892**

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:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	Generators - Manifest
Date Violation was Determined:	19970623
Actual Return to Compliance Date:	19970918
Return to Compliance Qualifier:	Observed
Violation Responsible Agency:	State
Scheduled Compliance Date:	19970721
Enforcement Identifier:	001
Date of Enforcement Action:	19970623
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:	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

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**HOOVER STEEL TREATING CO (Continued)**

**1000865892**

Final Amount:	Not reported
Found Violation:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	Generators - General
Date Violation was Determined:	19970623
Actual Return to Compliance Date:	19970918
Return to Compliance Qualifier:	Observed
Violation Responsible Agency:	State
Scheduled Compliance Date:	19970721
Enforcement Identifier:	001
Date of Enforcement Action:	19970623
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:	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:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	Generators - Pre-transport
Date Violation was Determined:	19970623
Actual Return to Compliance Date:	19970918
Return to Compliance Qualifier:	Observed
Violation Responsible Agency:	State
Scheduled Compliance Date:	19970721
Enforcement Identifier:	001
Date of Enforcement Action:	19970623
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

Map ID  
Direction  
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MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**HOOVER STEEL TREATING CO (Continued)**

**1000865892**

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:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	LDR - General
Date Violation was Determined:	19970623
Actual Return to Compliance Date:	19970918
Return to Compliance Qualifier:	Observed
Violation Responsible Agency:	State
Scheduled Compliance Date:	19970721
Enforcement Identifier:	001
Date of Enforcement Action:	19970623
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:	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

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**HOOVER STEEL TREATING CO (Continued)**

**1000865892**

Final Amount: Not reported

Evaluation Action Summary:

Evaluation Date: 19970613  
Evaluation Responsible Agency: State  
Found Violation: Yes  
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION ON-SITE  
Evaluation Responsible Person Identifier: Not reported  
Evaluation Responsible Sub-Organization: Not reported  
Actual Return to Compliance Date: 19970918  
Scheduled Compliance Date: 19970721  
Date of Request: Not reported  
Date Response Received: Not reported  
Request Agency: Not reported  
Former Citation: Not reported

Evaluation Date: 19970613  
Evaluation Responsible Agency: State  
Found Violation: Yes  
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION ON-SITE  
Evaluation Responsible Person Identifier: Not reported  
Evaluation Responsible Sub-Organization: Not reported  
Actual Return to Compliance Date: 19970918  
Scheduled Compliance Date: 19970721  
Date of Request: Not reported  
Date Response Received: Not reported  
Request Agency: Not reported  
Former Citation: Not reported

Evaluation Date: 19970613  
Evaluation Responsible Agency: State  
Found Violation: Yes  
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION ON-SITE  
Evaluation Responsible Person Identifier: Not reported  
Evaluation Responsible Sub-Organization: Not reported  
Actual Return to Compliance Date: 19970918  
Scheduled Compliance Date: 19970721  
Date of Request: Not reported  
Date Response Received: Not reported  
Request Agency: Not reported  
Former Citation: Not reported

Evaluation Date: 19970613  
Evaluation Responsible Agency: State  
Found Violation: Yes  
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION ON-SITE  
Evaluation Responsible Person Identifier: Not reported  
Evaluation Responsible Sub-Organization: Not reported  
Actual Return to Compliance Date: 19970918  
Scheduled Compliance Date: 19970721  
Date of Request: Not reported  
Date Response Received: Not reported  
Request Agency: Not reported  
Former Citation: Not reported

Evaluation Date: 19970613  
Evaluation Responsible Agency: State

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**HOOVER STEEL TREATING CO (Continued)**

**1000865892**

Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	Not reported
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	19970918
Scheduled Compliance Date:	19970721
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported

ICIS:

Enforcement Action ID:	05-1996-0547
FRS ID:	110000405302
Action Name:	HOOVER STEEL TREATING CO.
Facility Name:	HOOVER STEEL TREATING COMPANY
Facility Address:	21641 HOOVER RD. WARREN, MI 48089
Enforcement Action Type:	EPCRA 325 Action For Penalty
Facility County:	MACOMB
Program System Acronym:	ICIS
Enforcement Action Forum Desc:	Administrative - Formal
EA Type Code:	325
Facility SIC Code:	Not reported
Federal Facility ID:	Not reported
Latitude in Decimal Degrees:	42.455711
Longitude in Decimal Degrees:	-83.005428
Permit Type Desc:	Not reported
Program System Acronym:	11852
Facility NAICS Code:	Not reported
Tribal Land Code:	Not reported

Facility Name:	HOOVER STEEL TREATING CO
Address:	21641 HOOVER RD.
Tribal Indicator:	N
Fed Facility:	No
NAIC Code:	Not reported
SIC Code:	Not reported

Facility Name:	HOOVER STEEL TREATING CO
Address:	21641 HOOVER RD.
Tribal Indicator:	N
Fed Facility:	No
NAIC Code:	Not reported
SIC Code:	Not reported

Facility Name:	HOOVER STEEL TREATING CO
Address:	21641 HOOVER RD.
Tribal Indicator:	N
Fed Facility:	No
NAIC Code:	Not reported
SIC Code:	Not reported

Facility Name:	HOOVER STEEL TREATING CO
Address:	21641 HOOVER RD.

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**HOOVER STEEL TREATING CO (Continued)**

**1000865892**

Tribal Indicator: N  
Fed Facility: No  
NAIC Code: Not reported  
SIC Code: Not reported

Facility Name: HOOVER STEEL TREATING CO  
Address: 21641 HOOVER RD.  
Tribal Indicator: N  
Fed Facility: No  
NAIC Code: Not reported  
SIC Code: Not reported

**FTTS:**

Case Number: Not reported  
Docket Number: 5-EPCRA-94-040  
Complaint Issue Date: 09/27/94  
Abatement Amount: 0.0000  
Proposed Penalty: 6570.0000  
Final Assessment: 1700.0000  
Final Order Date: 05/24/96  
Close Date: / /  
Violations(s): EPCRA, Nonreporting/Failure to RPT to EPA

**HIST FTTS:**

Case Number: Not reported  
Docket Number: 5-EPCRA-94-040  
Complaint Issue Date: 09/27/1994  
Abatement Amount: 0.0000  
Proposed Penalty: 6570.0000  
Final Assessment: 1700.0000  
Final Order Date: 05/24/1996  
Close Date: / /  
Violations(s): EPCRA, Nonreporting/Failure to RPT to EPA

**FINDS:**

Registry ID: 110000405302

[Click Here for FRS Facility Detail Report:](#)

**Environmental Interest/Information System:**

NCDB (National Compliance Data Base) supports implementation of the Federal Insecticide, Fungicide, and Rodenticide Act (FIFRA) and the Toxic Substances Control Act (TSCA). The system tracks inspections in regions and states with cooperative agreements, enforcement actions, and settlements.

US EPA TRIS (Toxics Release Inventory System) contains information from facilities on the amounts of over 300 listed toxic chemicals that these facilities release directly to air, water, land, or that are transported off-site.

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**HOOVER STEEL TREATING CO (Continued)**

**1000865892**

corrective action activities required under RCRA. ICIS (Integrated Compliance Information System) is the Integrated Compliance Information System and provides a database that, when complete, will contain integrated Enforcement and Compliance information across most of EPA's programs. The vision for ICIS is to replace EPA's independent databases that contain Enforcement data with a single repository for that information. Currently, ICIS contains all Federal Administrative and Judicial enforcement actions. This information is maintained in ICIS by EPA in the Regional offices and its Headquarters. A future release of ICIS will replace the Permit Compliance System (PCS) which supports the NPDES and will integrate that information with Federal actions already in the system. ICIS also has the capability to track other activities occurring in the Region that support Compliance and Enforcement programs. These include; Incident Tracking, Compliance Assistance, and Compliance Monitoring.

[Click this hyperlink](#) while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

**ECHO:**

Envid: 1000865892  
Registry ID: 110000405302  
DFR URL: <http://echo.epa.gov/detailed-facility-report?fid=110000405302>  
Name: HOOVER STEEL TREATING CO  
Address: 21641 HOOVER RD.  
City,State,Zip: WARREN, MI 48089

**C8  
WNW  
< 1/8  
0.027 mi.  
142 ft.**

**MACHINERY PLAZA  
21777 HOOVER  
WARREN, MI 48089  
Site 2 of 2 in cluster C**

**MI INVENTORY S114027039  
MI VCP N/A**

**Relative:  
Higher  
Actual:  
627 ft.**

**INVENTORY:**  
Name: MACHINERY PLAZA  
Address: 21777 HOOVER  
City,State,Zip: WARREN, MI 48089  
Township: Not reported  
District: Warren  
Data Source: Risks Not Determined  
Lust Name: Not reported  
Regulatory Program: 201  
Release Status: Not reported  
Project Manager: Unassigned, Southeast MI  
Latitude: 42.456802  
Longitude: -83.004523

**VCP:**

Location ID: 50000863  
Name: MACHINERY PLAZA  
Address: 21777 HOOVER  
City,State,Zip: WARREN, MI 48089  
Location Type: Part 201 site  
Township: Not reported  
Work Unit: Warren  
Project Manager: Unassigned, Southeast MI  
Risk Condition: Risks Not Determined  
Latitude: 42.456802

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**MACHINERY PLAZA (Continued)**

**S114027039**

Longitude: -83.004523

**B9**  
**East**  
**< 1/8**  
**0.037 mi.**  
**193 ft.**

**12001-12005 TOEPFER ROAD, WARREN**  
**12001 TOEPFER ROAD**  
**WARREN, MI 48089**

**MI INVENTORY**  
**MI BEA**  
**MI VCP**

**S128266873**  
**N/A**

**Site 2 of 2 in cluster B**

**Relative:**  
**Higher**  
**Actual:**  
**626 ft.**

**INVENTORY:**  
Name: 12001-12005 TOEPFER ROAD, WARREN  
Address: 12001 TOEPFER ROAD  
City,State,Zip: WARREN, MI 48089  
Township: Not reported  
District: Warren  
Data Source: Risks Not Determined  
Lust Name: Not reported  
Regulatory Program: 201  
Release Status: Not reported  
Project Manager: Adolphues, Ira  
Latitude: 42.45689157  
Longitude: -83.00137712

**BEA:**

Name: 12001-12005 TOEPFER ROAD, WARREN  
Address: 12001 TOEPFER ROAD  
City,State,Zip: WARREN, MI 48089  
Secondary Address: Not reported  
BEA Number: Not reported  
District: Not reported  
Date Received: 12/27/2021  
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: 50500511  
Submittal Type: BEA  
Submittal Number: 50500511-BEA-1  
Approval Status: In Review  
Workflow Status: Submitted  
Date Submitted: Not reported  
Date Completed: 00:00.0  
Township: Not reported  
Work Unit: Warren  
Comments: Not reported  
Organization: 12001 Toepfer, LLC  
Contact: Not reported  
Contact Type: Owner  
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

**12001-12005 TOEPFER ROAD, WARREN (Continued)**

**S128266873**

Contact Zip Code: Not reported  
Contact State: Not reported  
  
VCP:  
Location ID: 50500511  
Name: 12001-12005 TOEPFER ROAD, WARREN  
Address: 12001 TOEPFER ROAD  
City,State,Zip: WARREN, MI 48089  
Location Type: Part 201 site  
Township: Not reported  
Work Unit: Warren  
Project Manager: Adolphues, Ira  
Risk Condition: Risks Not Determined  
Latitude: 42.45689157  
Longitude: -83.00137712

**E10**  
**SSE**  
**< 1/8**  
**0.043 mi.**  
**228 ft.**

**EQUIPMENT MANUFACTURING**  
**21550 HOOVER RD**  
**WARREN, MI 48089**

**MI UST** **U004294439**  
**N/A**

**Site 1 of 3 in cluster E**

**Relative:** UST:  
**Higher**  
**Actual:** Name: EQUIPMENT MANUFACTURING  
**625 ft.** Address: 21550 HOOVER RD  
City,State,Zip: WARREN 48089-3160  
Facility Type: CLOSED  
Facility ID: 50000365  
Owner Name: NRT OWNER  
Owner Address: UNKNOWN  
Owner City: UNKNOWN  
Owner State: MI  
Owner Zip: 99999  
Owner Contact: Not reported  
Owner Phone: Not reported  
Contact: Not reported  
Contact Phone: Not reported  
Date of Collection: Not reported  
Accuracy: Not reported  
Horizontal Datum: Not reported  
Accuracy Value Unit: Not reported  
Source: Not reported  
Point Line Area: Not reported  
Desc Category: Not reported  
Method of Collection: Not reported  
District: Not reported  
Tank ID: 1  
Capacity: Not reported  
Tank Status: Non-Registered Tank  
Substance: Not reported  
Install Date: 12/31/1899  
Remove Date: Not reported  
Tank Number: Not reported  
Tank Details Compartments: Not reported  
Tank Release Detection: Not reported  
Pipe Release Detection: Not reported  
Piping Material: Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**EQUIPMENT MANUFACTURING (Continued)**

**U004294439**

Piping Type: Not reported  
Tank Construction: Not reported  
Impressed Device: Not reported  
Latitude: Not reported  
Longitude: Not reported

**UST 2:**

Name: EQUIPMENT MANUFACTURING  
Address: 21550 HOOVER RD  
City,State,Zip: WARREN, MI 48089-3160  
Region: 1  
Owner Name: NRT OWNER  
Owner Address: Unknown  
Owner City: Unknown  
Owner State: MI  
Owner Zip: 99999  
Owner Phone: Not reported  
Record ID: UTK-015417-15  
Facility Status: Inactive  
Tank ID: 1  
Tank Status: NON-Registered Tank  
Tank Capacity: Not reported  
Tank Content: Not reported  
Install Date: 12/31/1899  
Removal Date: Not reported  
Tank Release Detect: Not reported  
Pipe Release Detect: Not reported  
Tank Piping Material: Not reported  
Tank Constr. Material: Not reported

**E11**  
**SSE**  
**< 1/8**  
**0.043 mi.**  
**228 ft.**  
  
**Relative:**  
**Higher**  
  
**Actual:**  
**625 ft.**

**EQUIPMENT MANUFACTURING**  
**21550 HOOVER RD**  
**WARREN, MI 48089**  
  
**Site 2 of 3 in cluster E**

**MI LUST**  
**MI BROWNFIELDS**  
**MI PART 201**  
**MI INVENTORY**  
**MI AIRS**  
**MI ASBESTOS**  
**MI BEA**  
**MI WDS**  
  
**S103095177**  
**N/A**

**LUST:**

Name: EQUIPMENT MANUFACTURING  
Address: 21550 HOOVER RD  
City,State,Zip: WARREN, MI 48089  
Facility ID: 50000365  
Source: 24000  
Owner Name: Perlewitz, Paul  
Owner Address: Not reported  
Owner City,St,Zip: Not reported  
Owner Contact: Not reported  
Owner Phone: 9069321128  
Country: Not reported  
District: Warren  
Site Name: Equipment Manufacturing  
Latitude: 42.45499  
Longitude: -83.00413  
Date of Collection: Not reported  
Method of Collection: The geographic coordinate determination method based on

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**EQUIPMENT MANUFACTURING (Continued)**

**S103095177**

interpolation-photo.  
Accuracy: 20  
Accuracy Value Unit: Not reported  
Horizontal Data: North American Datum of 1983  
Point Line Area: Center of a facility or station  
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: 17584  
Release Date: 10/31/1990  
Substance Released: Not reported  
Release Status: Open  
Release Closed Date: Not reported

**BROWNFIELDS:**

Name: Not reported  
Address: 21550 HOOVER RD  
City,State,Zip: WARREN, MI  
Facility ID: Not reported  
Region: 1  
Status: Not reported  
Property Use: Not reported  
BEA: Not reported  
Ernie Id Number: Not reported  
X Coordinate: -83.00513  
Y Coordinate: 42.45505  
Project Name: Former Equipment Manufacturing, Inc.  
Date Year Funded: 02/13/1997  
Total Brownfield Incentives: 1400000  
Approved Amount: Not reported  
Grant Award Amount: \$1,400,000  
Loan Award Amount: Not reported  
Waterfront Award Amount: 0  
Brownfield Site Assessment: Not reported  
Development Type: Commercial  
Prior Use: Not reported  
Contaminants: Not reported

**PART 201:**

Facility ID: 50000233  
**Facility Status: Interim Response conducted - No further activities anticipated**  
Source: Not reported  
SAM Score: 25  
SAM Score Date: 01/08/2004  
Township: Not reported  
Range: Not reported  
Section: Not reported  
Quarter: Not reported  
Quarter/Quarter: Not reported  
Pollutants: Not reported

Facility ID: 50000684

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**EQUIPMENT MANUFACTURING (Continued)**

**S103095177**

**Facility Status:** Interim Response conducted - No further activities anticipated  
**Source:** Miscellaneous Metal Work  
**SAM Score:** 32  
**SAM Score Date:** 02/04/1997  
**Township:** 01N  
**Range:** 12E  
**Section:** 35  
**Quarter:** SW  
**Quarter/Quarter:** NW  
**Pollutants:** TCE; Metals

**INVENTORY:**

**Name:** EQUIPMENT MANUFACTURING  
**Address:** 21550 HOOVER RD  
**City,State,Zip:** WARREN, MI 48089  
**Township:** Not reported  
**District:** Warren  
**Data Source:** Risks Present and Require Action in Long-term  
**Lust Name:** Equipment Manufacturing  
**Regulatory Program:** 213  
**Release Status:** Open  
**Project Manager:** Adolphues, Ira  
**Latitude:** 42.45499345  
**Longitude:** -83.00413231

**AIRS:**

**Name:** EQUIPMENT MANUFACTURING, INC  
**Address:** 21550 HOOVER ROAD  
**City,State,Zip:** WARREN, MI 48089  
**State Registration Number:** A3346  
**Naics Code:** Not reported  
**Contact Email:** Not reported  
**Contact Name:** Not reported  
**Contact Phone:** Not reported  
**Contact Address:** (same as site address)  
**Contact City,St,Zip:** Not reported  
**Permit Number:** 923-84A  
**Date Received:** 03/24/1986  
**Application Reason:** MODIFY EXISTING MISC METAL PARTS PAINTING PROCESS  
**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

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**EQUIPMENT MANUFACTURING (Continued)**

**S103095177**

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

**ASBESTOS:**

Notification ID: 143506  
Name: BUILDING  
Address: 21550 HOOVER ROAD  
City,State,Zip: WARREN, MI 48089  
Contractor Name: Building Decommission Services, LLC  
Project Number: 19-738  
Notification Type and Date: Regular 08/07/2019  
Start Date: 08/22/2019  
End Date: 08/23/2019  
Linear Feet: Not reported  
Square Feet: 761

**BEA:**

Name: EQUIPMENT MANUFACTURING  
Address: 21550 HOOVER RD  
City,State,Zip: WARREN, MI 48089  
Secondary Address: Not reported  
BEA Number: Not reported  
District: Not reported  
Date Received: 01/05/2018  
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: 50000365  
Submittal Type: Baseline Environmental Assessment  
Submittal Number: B201808000LV  
Approval Status: RRD Received  
Workflow Status: Submitted  
Date Submitted: 2018-01-10 12:40:20  
Date Completed: Not reported  
Township: Not reported  
Work Unit: Warren  
Comments: Associated with FID# 50000365 Associated with ITS#: 2007500011

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**EQUIPMENT MANUFACTURING (Continued)**

**S103095177**

Organization:	Lauzon Properties, LLC
Contact:	Jennifer Ritchie
Contact Type:	Submitter Contact
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:	EQUIPMENT MANUFACTURING
Address:	21550 HOOVER RD
City,State,Zip:	WARREN, MI 48089
Secondary Address:	Not reported
BEA Number:	Not reported
District:	Not reported
Date Received:	01/05/2018
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:	50000365
Submittal Type:	Baseline Environmental Assessment
Submittal Number:	B201808001LV
Approval Status:	RRD Received
Workflow Status:	Submitted
Date Submitted:	2018-01-10 12:44:16
Date Completed:	Not reported
Township:	Not reported
Work Unit:	Warren
Comments:	Associated with FID# 50000365 Associated with ITS#: 2007500011
Organization:	Lauzon Enterprises, LLC
Contact:	Jennifer Ritchie
Contact Type:	Submitter Contact
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:	EQUIPMENT MANUFACTURING
Address:	21550 HOOVER RD
City,State,Zip:	WARREN, MI 48089
Secondary Address:	Not reported
BEA Number:	Not reported
District:	Not reported
Date Received:	01/05/2018

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**EQUIPMENT MANUFACTURING (Continued)**

**S103095177**

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: 50000365  
Submittal Type: Baseline Environmental Assessment  
Submittal Number: B201808002LV  
Approval Status: RRD Received  
Workflow Status: Submitted  
Date Submitted: 2018-01-10 12:48:50  
Date Completed: Not reported  
Township: Not reported  
Work Unit: Warren  
Comments: Associated with FID# 50000365 Associated with ITS#: 2007500011  
Organization: Growing Remedies, LLC  
Contact: Jennifer Ritchie  
Contact Type: Submitter Contact  
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: EQUIPMENT MANUFACTURING  
Address: 21550 HOOVER RD  
City,State,Zip: WARREN, MI 48089  
Secondary Address: Not reported  
BEA Number: Not reported  
District: Not reported  
Date Received: 01/05/2018  
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: 50000365  
Submittal Type: Baseline Environmental Assessment  
Submittal Number: B201808003LV  
Approval Status: RRD Received  
Workflow Status: Submitted  
Date Submitted: 2018-01-10 12:52:31  
Date Completed: Not reported  
Township: Not reported  
Work Unit: Warren  
Comments: Associated with FID# 50000365 Associated with ITS#: 2007500011  
Organization: 21550, LLC  
Contact: Jennifer Ritchie  
Contact Type: Submitter Contact

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**EQUIPMENT MANUFACTURING (Continued)**

**S103095177**

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: EQUIPMENT MANUFACTURING  
Address: 21550 HOOVER RD  
City,State,Zip: WARREN, MI 48089  
Secondary Address: Not reported  
BEA Number: Not reported  
District: Not reported  
Date Received: 12/26/2019  
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: 50000365  
Submittal Type: Baseline Environmental Assessment  
Submittal Number: 50000365-BEA-1  
Approval Status: RRD Received  
Workflow Status: Submitted  
Date Submitted: 2020-01-09 09:44:34  
Date Completed: 11/6/2019  
Township: Not reported  
Work Unit: Warren  
Comments: Not reported  
Organization: IIP- MI4, LLC  
Contact: Wolfe, Brian  
Contact Type: Owner  
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: EQUIPMENT MFG INC  
Address: 21550 HOOVER RD  
City,State,Zip: WARREN, MI 48089  
Site Id: MID044255685  
WMD Id: 395625  
Site Specific Name: EQUIPMENT MFG INC  
Mailing Address: 21550 HOOVER RD  
Mailing City/State/Zip: 48089  
Mailing County: MACOMB

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site Database(s) EDR ID Number  
EPA ID Number

**E12**  
**SSE**  
**< 1/8**  
**0.043 mi.**  
**228 ft.**  
**Site 3 of 3 in cluster E**

**RCRA NonGen / NLR**  
**FINDS**  
**ECHO**  
**1000451620**  
**MID044255685**

**Relative:**  
**Higher**

**Actual:**  
**625 ft.**

RCRA Listings:  
Date Form Received by Agency: 19980917  
Handler Name: Equipment Mfg Inc  
Handler Address: 21550 HOOVER RD  
Handler City,State,Zip: WARREN, MI 48089  
EPA ID: MID044255685  
Contact Name: DONNA STAZA  
Contact Address: 21550 HOOVER RD  
Contact City,State,Zip: WARREN, MI 48089  
Contact Telephone: 586-755-6600  
Contact Fax: Not reported  
Contact Email: Not reported  
Contact Title: Not reported  
EPA Region: 05  
Land Type: Private  
Federal Waste Generator Description: Not a generator, verified  
Non-Notifier: Not reported  
Biennial Report Cycle: Not reported  
Accessibility: Not reported  
Active Site Indicator: Not reported  
State District Owner: Not reported  
State District: Not reported  
Mailing Address: 21550 HOOVER RD  
Mailing City,State,Zip: WARREN, MI 48089  
Owner Name: Burgess G And Foran D  
Owner Type: Private  
Operator Name: Burgess G And Foran D  
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  
Universal Waste Destination Facility: No  
Federal Universal Waste: No  
Active Site State-Reg Handler: ---  
Federal Facility Indicator: Not reported  
Hazardous Secondary Material Indicator: NN  
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: No  
Corrective Action Priority Ranking: No NCAPS ranking  
Environmental Control Indicator: No  
Institutional Control Indicator: No

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**EQUIPMENT MFG INC (Continued)**

**1000451620**

Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
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:	Not reported
Manifest Broker:	Not reported
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:	BURGESS G AND FORAN D
Legal Status:	Private
Date Became Current:	19700101
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:	BURGESS G AND FORAN D
Legal Status:	Private
Date Became Current:	19700101
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:	BURGESS G AND FORAN D
Legal Status:	Private
Date Became Current:	19700101
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

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**EQUIPMENT MFG INC (Continued)**

**1000451620**

Owner/Operator Email: Not reported

Owner/Operator Indicator: Owner

Owner/Operator Name: BURGESS G AND FORAN D

Legal Status: Private

Date Became Current: 19700101

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: 19980917

Handler Name: EQUIPMENT MFG INC

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: Yes

Non Storage Recycler Activity: Not reported

Electronic Manifest Broker: Not reported

Receive Date: 19900709

Handler Name: EQUIPMENT MFG INC

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

**List of NAICS Codes and Descriptions:**

NAICS Code: 11131

NAICS Description: ORANGE GROVES

**Has the Facility Received Notices of Violations:**

Found Violation: Yes

Agency Which Determined Violation: State

Violation Short Description: Generators - General

Date Violation was Determined: 19911218

Actual Return to Compliance Date: 19920724

Return to Compliance Qualifier: Observed

Violation Responsible Agency: State

Scheduled Compliance Date: 19920107

Enforcement Identifier: 002

Date of Enforcement Action: 19911218

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**EQUIPMENT MFG INC (Continued)**

**1000451620**

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:	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:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	Generators - General
Date Violation was Determined:	19900705
Actual Return to Compliance Date:	19911031
Return to Compliance Qualifier:	Observed
Violation Responsible Agency:	State
Scheduled Compliance Date:	19900730
Enforcement Identifier:	001
Date of Enforcement Action:	19900709
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:	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

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**EQUIPMENT MFG INC (Continued)**

**1000451620**

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:	19900705
Actual Return to Compliance Date:	19911031
Return to Compliance Qualifier:	Observed
Violation Responsible Agency:	State
Scheduled Compliance Date:	19900730
Enforcement Identifier:	001
Date of Enforcement Action:	19900709
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:	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:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	LDR - General
Date Violation was Determined:	19900705
Actual Return to Compliance Date:	19911031
Return to Compliance Qualifier:	Observed
Violation Responsible Agency:	State
Scheduled Compliance Date:	19900730
Enforcement Identifier:	001
Date of Enforcement Action:	19900709

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**EQUIPMENT MFG INC (Continued)**

**1000451620**

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:	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

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**EQUIPMENT MFG INC (Continued)**

**1000451620**

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:	LDR - General
Date Violation was Determined:	19911218
Actual Return to Compliance Date:	19920724
Return to Compliance Qualifier:	Observed
Violation Responsible Agency:	State
Scheduled Compliance Date:	19920107
Enforcement Identifier:	002
Date of Enforcement Action:	19911218
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:	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

**Evaluation Action Summary:**

Evaluation Date:	19911211
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	Not reported
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	19920724
Scheduled Compliance Date:	19920107
Date of Request:	Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**EQUIPMENT MFG INC (Continued)**

**1000451620**

Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	19900705
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	Not reported
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	19911031
Scheduled Compliance Date:	19900730
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	19900705
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	Not reported
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	19911031
Scheduled Compliance Date:	19900730
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	19900705
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	Not reported
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	19911031
Scheduled Compliance Date:	19900730
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	19900705
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:	19911211

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**EQUIPMENT MFG INC (Continued)**

**1000451620**

Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	Not reported
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	19920724
Scheduled Compliance Date:	19920107
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported

**FINDS:**

Registry ID: 110001840688

[Click Here for FRS Facility Detail Report:](#)

**Environmental Interest/Information System:**

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

[Click this hyperlink](#) while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

**ECHO:**

Envid:	1000451620
Registry ID:	110001840688
DFR URL:	<a href="http://echo.epa.gov/detailed-facility-report?fid=110001840688">http://echo.epa.gov/detailed-facility-report?fid=110001840688</a>
Name:	EQUIPMENT MFG INC
Address:	21550 HOOVER RD
City,State,Zip:	WARREN, MI 48089

**F13**  
**SE**  
**< 1/8**  
**0.044 mi.**  
**231 ft.**

**CARGO-FLO**  
**12010 TOEPFER RD**  
**WARREN, MI 48089**  
**Site 1 of 2 in cluster F**

**RCRA-VSQG** **1004725920**  
**MIR000101972**

**Relative:**  
**Higher**  
**Actual:**  
**625 ft.**

RCRA Listings:	20010319
Date Form Received by Agency:	Cargo-Flo
Handler Name:	12010 TOEPFER RD
Handler Address:	WARREN, MI 48089
Handler City,State,Zip:	MIR000101972
EPA ID:	TRAVIS O'BANION
Contact Name:	12010 TOEPFER RD
Contact Address:	WARREN, MI 48089
Contact City,State,Zip:	281-985-0008
Contact Telephone:	Not reported
Contact Fax:	Not reported
Contact Email:	Not reported
Contact Title:	05
EPA Region:	Private
Land Type:	

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**CARGO-FLO (Continued)**

**1004725920**

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:	12010 TOEPFER RD
Mailing City,State,Zip:	WARREN, MI 48089
Owner Name:	Grand Trunk Rr/Can Nat Rlwy
Owner Type:	Private
Operator Name:	Grand Trunk Rr/Can Nat Rlwy
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
Universal Waste Destination Facility:	No
Federal Universal Waste:	No
Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	NN
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:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
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:	Not reported
Manifest Broker:	Not reported
Sub-Part P Indicator:	No

Hazardous Waste Summary:

Waste Code: D001

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**CARGO-FLO (Continued)**

**1004725920**

Waste Description: Ignitable Waste

Handler - Owner Operator:

Owner/Operator Indicator: Owner  
Owner/Operator Name: GRAND TRUNK RR/CAN NAT RLWY  
Legal Status: Private  
Date Became Current: 20010312  
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: GRAND TRUNK RR/CAN NAT RLWY  
Legal Status: Private  
Date Became Current: 20010312  
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: GRAND TRUNK RR/CAN NAT RLWY  
Legal Status: Private  
Date Became Current: 20010312  
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: GRAND TRUNK RR/CAN NAT RLWY  
Legal Status: Private  
Date Became Current: 20010312  
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: GRAND TRUNK RR/CAN NAT RLWY  
Legal Status: Private  
Date Became Current: 20010312  
Date Ended Current: Not reported  
Owner/Operator Address: Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**CARGO-FLO (Continued)**

**1004725920**

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: GRAND TRUNK RR/CAN NAT RLWY  
Legal Status: Private  
Date Became Current: 20010312  
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: 20010122  
Handler Name: CARGO-FLO  
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: 20010123  
Handler Name: CARGO-FLO  
Federal Waste Generator Description: 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: No  
Non Storage Recycler Activity: Not reported  
Electronic Manifest Broker: Not reported

Receive Date: 20010319  
Handler Name: CARGO-FLO  
Federal Waste Generator Description: 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

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**CARGO-FLO (Continued)**

**1004725920**

List of NAICS Codes and Descriptions:

NAICS Code: 482111  
NAICS Description: LINE-HAUL RAILROADS  
  
NAICS Code: 54133  
NAICS Description: ENGINEERING SERVICES

Facility Has Received Notices of Violations:

Violations: No Violations Found

Evaluation Action Summary:

Evaluations: No Evaluations Found

**F14**  
**SE**  
**< 1/8**  
**0.044 mi.**  
**231 ft.**

**CARGO FLOW FACILITY**  
**12010 TOEPFER RD**  
**WARREN, MI 48089**

**Site 2 of 2 in cluster F**

**MI LUST**  
**MI UST**  
**MI NPDES**  
**MI WDS**

**U003329802**  
**N/A**

**Relative:**  
**Higher**

**LUST:**

**Actual:**  
**625 ft.**

Name: CARGO FLOW FACILITY  
Address: 12010 TOEPFER RD  
City,State,Zip: WARREN, MI 48089  
Facility ID: 4097  
Source: Not reported  
Owner Name: SHELDON, KATHERINE  
Owner Address: Not reported  
Owner City,St,Zip: Not reported  
Owner Contact: Not reported  
Owner Phone: Not reported  
Country: Not reported  
District: Warren  
Site Name: Cargoflow Facility  
Latitude: 42.45628  
Longitude: -82.99890  
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: 25994  
Release Date: 11/13/1996  
Substance Released: Not reported  
Release Status: Closed  
Release Closed Date: 02/25/1998

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**CARGOFLOW FACILITY (Continued)**

**U003329802**

Leak Number: C-0936-96  
Release Date: 11/13/1996  
Substance Released: Diesel  
Release Status: Closed  
Release Closed Date: 02/25/1998

**UST:**

Name: CARGOFLOW FACILITY  
Address: 12010 TOEPFER RD  
City,State,Zip: WARREN 48089-3172  
Facility Type: CLOSED  
Facility ID: 00004097  
Owner Name: GRAND TRUCK WESTERN RR CO  
Owner Address: 105 HAMPTON AVE  
Owner City: BATTLE CREEK  
Owner State: MI  
Owner Zip: 49014-6609  
Owner Contact: Not reported  
Owner Phone: 6169665239  
Contact: Envriornmental Management (Cheryl Allen)  
Contact Phone: (866) 492-6836  
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: Region 1 - SE Michigan District Office  
Tank ID: 1  
Capacity: 6000  
Tank Status: Removed from Ground  
Substance: Diesel  
Install Date: 05/03/1979  
Remove Date: 11/13/1996  
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: 42.45628  
Longitude: -82.99890

**MI NPDES:**

Name: GRAND TRUNK WRR-CARGFLO YARD  
Address: 12010 TOEPFER ROAD  
City,State,Zip: WARREN, MI 48089  
Permit Number: MIS111758  
Permittee PO Box: N  
Permittee Email: Not reported  
Issue Date: 01/27/2021  
Effective Date: 04/01/2021  
Expiration Date: 04/01/2026

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**CARGO FLOW FACILITY (Continued)**

**U003329802**

Permittee Name: Grand Trunk Western Railroad  
Permittee Address: 2800 LIVERNOIS RD  
Permittee Addr2: STE 200  
Permittee City,St,Zip: TROY, MI 48083  
Permit Type: NPDES Certificate of Coverage under General Permit (COC)  
Facility Name 2: Not reported  
Facility Name 3: Not reported  
Facility Name 4: Not reported  
Designed Name: Grand Trunk WRR-CargFlo Yard  
Latitude: 42.45606332550108  
Lat Direction: N  
Lat Type Code: LAT  
Longitude: -83.0008050251007  
Lon Direction: W  
Lon Type Code: LON  
Hydrologic Unit Code: 4090003  
Permit Status: In Effect  
COC Permit Category: SW-Industrial CY1  
DEQ District Email: Warren  
DEQ Permit Compliance Manager: Eric Moore  
DEQ Permit Compliance Manager Email: MooreE12@michigan.gov

**WDS:**

Name: CARGO-FLO  
Address: 12010 TOEPFER RD  
City,State,Zip: WARREN, MI 48089  
Site Id: MIR000101972  
WMD Id: 414208  
Site Specific Name: CARGO-FLO/CANADIAN NATIONAL  
Mailing Address: 12010 TOEPFER RD  
Mailing City/State/Zip: 48089  
Mailing County: MACOMB

**D15**  
**SW**  
**< 1/8**  
**0.049 mi.**  
**260 ft.**

**WOLVERINE METAL CO INC**  
**21601 HOOVER RD**  
**WARREN, MI 48089**

**Site 2 of 3 in cluster D**

**MI LUST**  
**MI UST**  
**MI BEA**  
**MI WDS**

**U003330309**  
**N/A**

**Relative:**  
**Higher**  
**Actual:**  
**626 ft.**

**LUST:**

Name: WOLVERINE METAL CO INC  
Address: 21601 HOOVER RD  
City,State,Zip: WARREN, MI 48089  
Facility ID: 36143  
Source: Not reported  
Owner Name: LEWAN, PHIL  
Owner Address: Not reported  
Owner City,St,Zip: Not reported  
Owner Contact: Not reported  
Owner Phone: Not reported  
Country: Not reported  
District: Warren  
Site Name: Regal Stamping  
Latitude: 42.45549  
Longitude: -83.00573  
Date of Collection: Not reported  
Method of Collection: The geographic coordinate determination method based on address

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**WOLVERINE METAL CO INC (Continued)**

**U003330309**

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: 19196  
Release Date: 02/12/1992  
Substance Released: Not reported  
Release Status: Closed  
Release Closed Date: 07/20/1994

Leak Number: 24443  
Release Date: 10/26/1994  
Substance Released: Not reported  
Release Status: Closed  
Release Closed Date: 07/18/2005

Leak Number: C-0271-92  
Release Date: 02/12/1992  
Substance Released: Used Oil  
Release Status: Closed  
Release Closed Date: 07/20/1994

Leak Number: C-1259-94  
Release Date: 10/26/1994  
Substance Released: Used Oil  
Release Status: Closed  
Release Closed Date: 07/18/2005

**UST:**

Name: WOLVERINE METAL CO INC  
Address: 21601 HOOVER RD  
City,State,Zip: WARREN 48089-3157  
Facility Type: CLOSED  
Facility ID: 00036143  
Owner Name: ELITE LEASING  
Owner Address: 21101 HOOVER RD  
Owner City: WARREN  
Owner State: MI  
Owner Zip: 48087  
Owner Contact: Not reported  
Owner Phone: 8107586100  
Contact: Not reported  
Contact Phone: ( ) -  
Date of Collection: 01/11/2001  
Accuracy: 100  
Horizontal Datum: NAD83  
Accuracy Value Unit: FEET  
Source: STATE OF MICHIGAN  
Point Line Area: POINT

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**WOLVERINE METAL CO INC (Continued)**

**U003330309**

Desc Category:	Plant Entrance (Freight)
Method of Collection:	Address Matching-House Number
District:	Region 1 - SE Michigan District Office
Tank ID:	1
Capacity:	1500
Tank Status:	Removed from Ground
Substance:	Used Oil
Install Date:	01/01/1985
Remove Date:	08/01/1996
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:	42.45549
Longitude:	-83.00573

**BEA:**

Name:	TECHNICAL SERVICE PROFESSIONALS PROPERTY
Address:	21601 HOOVER RD.
City,State,Zip:	WARREN, MI 48089
Secondary Address:	Not reported
BEA Number:	5438
District:	Southeast MI
Date Received:	01/15/2013
Submitter Name:	Techncal Service Professional, LLC
Petition Determination:	No Request
Petition Disclosure:	0
Category:	Not reported
Determination 20107A:	No Request
Reviewer:	ndukwee
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
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

**WOLVERINE METAL CO INC (Continued)**

**U003330309**

Name: HOOVER ROAD LIGHT INDUSTRIAL PROPERTY  
Address: 21601 HOOVER ROAD  
City,State,Zip: WARREN, MI  
Secondary Address: Not reported  
BEA Number: 4085  
District: Southeast MI  
Date Received: 01/07/2009  
Submitter Name: SOWAMCO XXX, Ltd.  
Petition Determination: No Request  
Petition Disclosure: 0  
Category: N  
Determination 20107A: No Request  
Reviewer: ndukwee  
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  
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: WOLVERINE METAL CO INC  
Address: 21601 HOOVER RD  
City,State,Zip: WARREN, MI 48089  
Secondary Address: Not reported  
BEA Number: Not reported  
District: Not reported  
Date Received: 01/15/2013  
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: 00036143  
Submittal Type: Baseline Environmental Assessment  
Submittal Number: B201305438LV  
Approval Status: RRD Received  
Workflow Status: Submitted  
Date Submitted: 2013-01-16 08:16:08

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**WOLVERINE METAL CO INC (Continued)**

**U003330309**

Date Completed:	Not reported
Township:	Not reported
Work Unit:	Warren
Comments:	Records Manager: Box 143 To Lansing for scanning on 3/4/16 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:
Organization:	Technical Service Professional, LLC
Contact:	Jamie P. Buckingham
Contact Type:	Submitter Contact
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:	WOLVERINE METAL CO INC
Address:	21601 HOOVER RD
City,State,Zip:	WARREN, MI 48089
Secondary Address:	Not reported
BEA Number:	Not reported
District:	Not reported
Date Received:	01/07/2009
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:	00036143
Submittal Type:	Baseline Environmental Assessment
Submittal Number:	B200904085LV
Approval Status:	RRD Received
Workflow Status:	Submitted
Date Submitted:	2009-01-08 13:28:44
Date Completed:	Not reported
Township:	Not reported
Work Unit:	Warren
Comments:	Records Manager: Box 217 Lansing for scanning: 6/10/16 EQP476 included with BEA. PS
Organization:	SOWAMCO XXX, Ltd.
Contact:	Ms. Beth Bailey
Contact Type:	Submitter Contact
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

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**WOLVERINE METAL CO INC (Continued)**

**U003330309**

Contact State: Not reported

**WDS:**

Name: TECHNICAL SERVICE PROFESSIONALS LLC  
Address: 21601 HOOVER RD  
City,State,Zip: WARREN, MI 48089  
Site Id: MID982640666  
WMD Id: 401684  
Site Specific Name: TECHNICAL SERVICE PROFESSIONALS LLC  
Mailing Address: 12641 STARK RD  
Mailing City/State/Zip: 48150  
Mailing County: WAYNE

Name: WOLVERINE METAL CO  
Address: 21601 HOOVER RD  
City,State,Zip: WARREN, MI 48089  
Site Id: Not reported  
WMD Id: 415178  
Site Specific Name: WOLVERINE METAL CO  
Mailing Address: 21601 HOOVER RD  
Mailing City/State/Zip: 48089  
Mailing County: MACOMB

**D16**  
**SW**  
**< 1/8**  
**0.049 mi.**  
**260 ft.**

**TECHNICAL SERVICE PROFESSIONALS LLC**  
**21601 HOOVER RD**  
**WARREN, MI 48089**  
**Site 3 of 3 in cluster D**

**RCRA NonGen / NLR**  
**FINDS**  
**ECHO**

**1000148365**  
**MID982640666**

**Relative:**  
**Higher**  
**Actual:**  
**626 ft.**

**RCRA Listings:**

Date Form Received by Agency: 20130404  
Handler Name: Technical Service Professionals Llc  
Handler Address: 21601 HOOVER RD  
Handler City,State,Zip: WARREN, MI 48089  
EPA ID: MID982640666  
Contact Name: MICHAEL GREENE  
Contact Address: Not reported  
Contact City,State,Zip: Not reported  
Contact Telephone: 734-838-0426  
Contact Fax: 734-838-0428  
Contact Email: MGREENE@TECHSERVPROS.COM  
Contact Title: Not reported  
EPA Region: 05  
Land Type: Private  
Federal Waste Generator Description: Not a generator, verified  
Non-Notifier: Not reported  
Biennial Report Cycle: Not reported  
Accessibility: Not reported  
Active Site Indicator: Not reported  
State District Owner: Not reported  
State District: Not reported  
Mailing Address: 12641 STARK RD  
Mailing City,State,Zip: LIVONIA, MI 48150  
Owner Name: Technical Service Professionals Llc  
Owner Type: Private  
Operator Name: Technical Service Professionals Llc  
Operator Type: Private

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**TECHNICAL SERVICE PROFESSIONALS LLC (Continued)**

**1000148365**

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
Universal Waste Destination Facility:	No
Federal Universal Waste:	No
Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	NN
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:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
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:	20130506
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:	Not reported
Manifest Broker:	Not reported
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:	NO ACTIVE O/OP AS NOT GENERATING WASTE
Legal Status:	Private
Date Became Current:	20041009
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

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**TECHNICAL SERVICE PROFESSIONALS LLC (Continued)**

**1000148365**

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

Owner/Operator Indicator: Operator  
Owner/Operator Name: NO ACTIVE O/OP AS NOT GENERATING WASTE  
Legal Status: Private  
Date Became Current: 20041009  
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: NO ACTIVE O/OP AS NOT GENERATING WASTE  
Legal Status: Private  
Date Became Current: 20041009  
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: NO ACTIVE O/OP AS NOT GENERATING WASTE  
Legal Status: Private  
Date Became Current: 20041009  
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: NO ACTIVE O/OP AS NOT GENERATING WASTE  
Legal Status: Private  
Date Became Current: 20041009  
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: NO ACTIVE O/OP AS NOT GENERATING WASTE  
Legal Status: Private  
Date Became Current: 20041009  
Date Ended Current: Not reported  
Owner/Operator Address: Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**TECHNICAL SERVICE PROFESSIONALS LLC (Continued)**

**1000148365**

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: TECHNICAL SERVICE PROFESSIONALS LLC  
Legal Status: Private  
Date Became Current: 20130329  
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: NO ACTIVE O/OP AS NOT GENERATING WASTE  
Legal Status: Private  
Date Became Current: 20041009  
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: TECHNICAL SERVICE PROFESSIONALS LLC  
Legal Status: Private  
Date Became Current: 20130329  
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: NO ACTIVE O/OP AS NOT GENERATING WASTE  
Legal Status: Private  
Date Became Current: 20041009  
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: 19980917  
Handler Name: ELITE LEASING LLC

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**TECHNICAL SERVICE PROFESSIONALS LLC (Continued)**

**1000148365**

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: 19890815  
Handler Name: ELITE LEASING LLC  
Federal Waste Generator Description: 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: No  
Non Storage Recycler Activity: Not reported  
Electronic Manifest Broker: Not reported

Receive Date: 20040706  
Handler Name: ELITE LEASING LLC  
Federal Waste Generator Description: Large 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: No  
Non Storage Recycler Activity: Not reported  
Electronic Manifest Broker: Not reported

Receive Date: 20041008  
Handler Name: ELITE LEASING LLC  
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: 20130404  
Handler Name: TECHNICAL SERVICE PROFESSIONALS LLC  
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

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**TECHNICAL SERVICE PROFESSIONALS LLC (Continued)**

**1000148365**

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:	42351
NAICS Description:	METAL SERVICE CENTERS AND OTHER METAL MERCHANT WHOLESALERS
NAICS Code:	53112
NAICS Description:	LESSORS OF NONRESIDENTIAL BUILDINGS (EXCEPT MINIWAREHOUSES)

Has the Facility Received Notices of Violations:

Found Violation:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	State Statute or Regulation
Date Violation was Determined:	20041209
Actual Return to Compliance Date:	20051026
Return to Compliance Qualifier:	Documented
Violation Responsible Agency:	State
Scheduled Compliance Date:	20051209
Enforcement Identifier:	001
Date of Enforcement Action:	20050808
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:	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:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	Used Oil - Generators
Date Violation was Determined:	20041209

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**TECHNICAL SERVICE PROFESSIONALS LLC (Continued)**

**1000148365**

Actual Return to Compliance Date:	20051026
Return to Compliance Qualifier:	Documented
Violation Responsible Agency:	State
Scheduled Compliance Date:	20051209
Enforcement Identifier:	001
Date of Enforcement Action:	20050808
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:	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:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	Generators - Manifest
Date Violation was Determined:	20041209
Actual Return to Compliance Date:	20051026
Return to Compliance Qualifier:	Documented
Violation Responsible Agency:	State
Scheduled Compliance Date:	20050620
Enforcement Identifier:	001
Date of Enforcement Action:	20041215
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:	WRITTEN INFORMAL

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**TECHNICAL SERVICE PROFESSIONALS LLC (Continued)**

**1000148365**

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:	20041209
Actual Return to Compliance Date:	20051026
Return to Compliance Qualifier:	Documented
Violation Responsible Agency:	State
Scheduled Compliance Date:	20050620
Enforcement Identifier:	001
Date of Enforcement Action:	20041215
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:	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:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	Used Oil - Generators
Date Violation was Determined:	20041209

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**TECHNICAL SERVICE PROFESSIONALS LLC (Continued)**

**1000148365**

Actual Return to Compliance Date:	20051026
Return to Compliance Qualifier:	Documented
Violation Responsible Agency:	State
Scheduled Compliance Date:	20050620
Enforcement Identifier:	001
Date of Enforcement Action:	20050406
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:	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:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	Generators - Manifest
Date Violation was Determined:	20041209
Actual Return to Compliance Date:	20051026
Return to Compliance Qualifier:	Documented
Violation Responsible Agency:	State
Scheduled Compliance Date:	20051209
Enforcement Identifier:	001
Date of Enforcement Action:	20050808
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:	WRITTEN INFORMAL

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**TECHNICAL SERVICE PROFESSIONALS LLC (Continued)**

**1000148365**

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 - Records/Reporting
Date Violation was Determined:	20041209
Actual Return to Compliance Date:	20051026
Return to Compliance Qualifier:	Documented
Violation Responsible Agency:	State
Scheduled Compliance Date:	20050620
Enforcement Identifier:	001
Date of Enforcement Action:	20041215
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:	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:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	Used Oil - Generators
Date Violation was Determined:	20041209

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**TECHNICAL SERVICE PROFESSIONALS LLC (Continued)**

**1000148365**

Actual Return to Compliance Date:	20051026
Return to Compliance Qualifier:	Documented
Violation Responsible Agency:	State
Scheduled Compliance Date:	20050620
Enforcement Identifier:	001
Date of Enforcement Action:	20041215
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:	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:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	Generators - General
Date Violation was Determined:	20041209
Actual Return to Compliance Date:	20051026
Return to Compliance Qualifier:	Documented
Violation Responsible Agency:	State
Scheduled Compliance Date:	20050620
Enforcement Identifier:	001
Date of Enforcement Action:	20050406
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:	WRITTEN INFORMAL

Map ID  
Direction  
Distance  
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MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**TECHNICAL SERVICE PROFESSIONALS LLC (Continued)**

**1000148365**

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:	20041209
Actual Return to Compliance Date:	20051026
Return to Compliance Qualifier:	Documented
Violation Responsible Agency:	State
Scheduled Compliance Date:	20051209
Enforcement Identifier:	001
Date of Enforcement Action:	20050808
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:	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:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	Generators - Records/Reporting
Date Violation was Determined:	20041209

Map ID  
Direction  
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Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**TECHNICAL SERVICE PROFESSIONALS LLC (Continued)**

**1000148365**

Actual Return to Compliance Date:	20051026
Return to Compliance Qualifier:	Documented
Violation Responsible Agency:	State
Scheduled Compliance Date:	20051209
Enforcement Identifier:	001
Date of Enforcement Action:	20050808
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:	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:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	Generators - General
Date Violation was Determined:	20041209
Actual Return to Compliance Date:	20051026
Return to Compliance Qualifier:	Documented
Violation Responsible Agency:	State
Scheduled Compliance Date:	20051209
Enforcement Identifier:	001
Date of Enforcement Action:	20050808
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:	WRITTEN INFORMAL

Map ID  
Direction  
Distance  
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MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**TECHNICAL SERVICE PROFESSIONALS LLC (Continued)**

**1000148365**

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 - Manifest  
Date Violation was Determined: 20041209  
Actual Return to Compliance Date: 20051026  
Return to Compliance Qualifier: Documented  
Violation Responsible Agency: State  
Scheduled Compliance Date: 20050620  
Enforcement Identifier: 001  
Date of Enforcement Action: 20050406  
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: 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: Yes  
Agency Which Determined Violation: State  
Violation Short Description: Generators - Records/Reporting  
Date Violation was Determined: 20041209

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**TECHNICAL SERVICE PROFESSIONALS LLC (Continued)**

**1000148365**

Actual Return to Compliance Date:	20051026
Return to Compliance Qualifier:	Documented
Violation Responsible Agency:	State
Scheduled Compliance Date:	20050620
Enforcement Identifier:	001
Date of Enforcement Action:	20050406
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:	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

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**TECHNICAL SERVICE PROFESSIONALS LLC (Continued)**

**1000148365**

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:	State Statute or Regulation
Date Violation was Determined:	20041209
Actual Return to Compliance Date:	20051026
Return to Compliance Qualifier:	Documented
Violation Responsible Agency:	State
Scheduled Compliance Date:	20050620
Enforcement Identifier:	001
Date of Enforcement Action:	20041215
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:	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:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	State Statute or Regulation
Date Violation was Determined:	20040902

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**TECHNICAL SERVICE PROFESSIONALS LLC (Continued)**

**1000148365**

Actual Return to Compliance Date:	20050304
Return to Compliance Qualifier:	Documented
Violation Responsible Agency:	State
Scheduled Compliance Date:	20050304
Enforcement Identifier:	001
Date of Enforcement Action:	20050303
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:	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:	1750
Paid Amount:	Not reported
Final Count:	1
Final Amount:	1750
Found Violation:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	State Statute or Regulation
Date Violation was Determined:	20041209
Actual Return to Compliance Date:	20051026
Return to Compliance Qualifier:	Documented
Violation Responsible Agency:	State
Scheduled Compliance Date:	20050620
Enforcement Identifier:	001
Date of Enforcement Action:	20050406
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:	WRITTEN INFORMAL

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**TECHNICAL SERVICE PROFESSIONALS LLC (Continued)**

**1000148365**

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:	LDR - General
Date Violation was Determined:	20041209
Actual Return to Compliance Date:	20051026
Return to Compliance Qualifier:	Documented
Violation Responsible Agency:	State
Scheduled Compliance Date:	20050620
Enforcement Identifier:	001
Date of Enforcement Action:	20041215
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:	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:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	LDR - General
Date Violation was Determined:	20041209

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**TECHNICAL SERVICE PROFESSIONALS LLC (Continued)**

**1000148365**

Actual Return to Compliance Date:	20051026
Return to Compliance Qualifier:	Documented
Violation Responsible Agency:	State
Scheduled Compliance Date:	20050620
Enforcement Identifier:	001
Date of Enforcement Action:	20050406
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:	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:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	Generators - General
Date Violation was Determined:	20041209
Actual Return to Compliance Date:	20051026
Return to Compliance Qualifier:	Documented
Violation Responsible Agency:	State
Scheduled Compliance Date:	20050620
Enforcement Identifier:	001
Date of Enforcement Action:	20041215
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:	WRITTEN INFORMAL

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**TECHNICAL SERVICE PROFESSIONALS LLC (Continued)**

**1000148365**

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:	State Statute or Regulation
Date Violation was Determined:	20040902
Actual Return to Compliance Date:	20050304
Return to Compliance Qualifier:	Documented
Violation Responsible Agency:	State
Scheduled Compliance Date:	20050501
Enforcement Identifier:	001
Date of Enforcement Action:	20040902
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 CRIMINAL
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:	LDR - General
Date Violation was Determined:	20041209

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**TECHNICAL SERVICE PROFESSIONALS LLC (Continued)**

**1000148365**

Actual Return to Compliance Date:	20051026
Return to Compliance Qualifier:	Documented
Violation Responsible Agency:	State
Scheduled Compliance Date:	20051209
Enforcement Identifier:	001
Date of Enforcement Action:	20050808
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:	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:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	Generators - Pre-transport
Date Violation was Determined:	20041209
Actual Return to Compliance Date:	20051026
Return to Compliance Qualifier:	Documented
Violation Responsible Agency:	State
Scheduled Compliance Date:	20050620
Enforcement Identifier:	001
Date of Enforcement Action:	20050406
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:	WRITTEN INFORMAL

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**TECHNICAL SERVICE PROFESSIONALS LLC (Continued)**

**1000148365**

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: 20041209  
Evaluation Responsible Agency: State  
Found Violation: Yes  
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION ON-SITE  
Evaluation Responsible Person Identifier: Not reported  
Evaluation Responsible Sub-Organization: Not reported  
Actual Return to Compliance Date: 20051026  
Scheduled Compliance Date: 20051209  
Date of Request: Not reported  
Date Response Received: Not reported  
Request Agency: Not reported  
Former Citation: Not reported

Evaluation Date: 20041209  
Evaluation Responsible Agency: State  
Found Violation: Yes  
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION ON-SITE  
Evaluation Responsible Person Identifier: Not reported  
Evaluation Responsible Sub-Organization: Not reported  
Actual Return to Compliance Date: 20051026  
Scheduled Compliance Date: 20051209  
Date of Request: Not reported  
Date Response Received: Not reported  
Request Agency: Not reported  
Former Citation: Not reported

Evaluation Date: 20041209  
Evaluation Responsible Agency: State  
Found Violation: Yes  
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION ON-SITE  
Evaluation Responsible Person Identifier: Not reported  
Evaluation Responsible Sub-Organization: Not reported  
Actual Return to Compliance Date: 20051026  
Scheduled Compliance Date: 20050620  
Date of Request: Not reported  
Date Response Received: Not reported  
Request Agency: Not reported  
Former Citation: Not reported

Evaluation Date: 20041209  
Evaluation Responsible Agency: State

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**TECHNICAL SERVICE PROFESSIONALS LLC (Continued)**

**1000148365**

Found Violation: Yes  
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION ON-SITE  
Evaluation Responsible Person Identifier: Not reported  
Evaluation Responsible Sub-Organization: Not reported  
Actual Return to Compliance Date: 20051026  
Scheduled Compliance Date: 20050620  
Date of Request: Not reported  
Date Response Received: Not reported  
Request Agency: Not reported  
Former Citation: Not reported

Evaluation Date: 20041209  
Evaluation Responsible Agency: State  
Found Violation: Yes  
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION ON-SITE  
Evaluation Responsible Person Identifier: Not reported  
Evaluation Responsible Sub-Organization: Not reported  
Actual Return to Compliance Date: 20051026  
Scheduled Compliance Date: 20050620  
Date of Request: Not reported  
Date Response Received: Not reported  
Request Agency: Not reported  
Former Citation: Not reported

Evaluation Date: 20041209  
Evaluation Responsible Agency: State  
Found Violation: Yes  
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION ON-SITE  
Evaluation Responsible Person Identifier: Not reported  
Evaluation Responsible Sub-Organization: Not reported  
Actual Return to Compliance Date: 20051026  
Scheduled Compliance Date: 20051209  
Date of Request: Not reported  
Date Response Received: Not reported  
Request Agency: Not reported  
Former Citation: Not reported

Evaluation Date: 20041209  
Evaluation Responsible Agency: State  
Found Violation: Yes  
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION ON-SITE  
Evaluation Responsible Person Identifier: Not reported  
Evaluation Responsible Sub-Organization: Not reported  
Actual Return to Compliance Date: 20051026  
Scheduled Compliance Date: 20050620  
Date of Request: Not reported  
Date Response Received: Not reported  
Request Agency: Not reported  
Former Citation: Not reported

Evaluation Date: 20041209  
Evaluation Responsible Agency: State  
Found Violation: Yes  
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION ON-SITE  
Evaluation Responsible Person Identifier: Not reported  
Evaluation Responsible Sub-Organization: Not reported  
Actual Return to Compliance Date: 20051026

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**TECHNICAL SERVICE PROFESSIONALS LLC (Continued)**

**1000148365**

Scheduled Compliance Date:	20050620
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	20041209
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	Not reported
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	20051026
Scheduled Compliance Date:	20050620
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	20041209
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	Not reported
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	20051026
Scheduled Compliance Date:	20051209
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	20041209
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	Not reported
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	20051026
Scheduled Compliance Date:	20051209
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	20041209
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	Not reported
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	20051026
Scheduled Compliance Date:	20051209
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

**TECHNICAL SERVICE PROFESSIONALS LLC (Continued)**

**1000148365**

Evaluation Date: 20041209  
Evaluation Responsible Agency: State  
Found Violation: Yes  
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION ON-SITE  
Evaluation Responsible Person Identifier: Not reported  
Evaluation Responsible Sub-Organization: Not reported  
Actual Return to Compliance Date: 20051026  
Scheduled Compliance Date: 20050620  
Date of Request: Not reported  
Date Response Received: Not reported  
Request Agency: Not reported  
Former Citation: Not reported

Evaluation Date: 20041209  
Evaluation Responsible Agency: State  
Found Violation: Yes  
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION ON-SITE  
Evaluation Responsible Person Identifier: Not reported  
Evaluation Responsible Sub-Organization: Not reported  
Actual Return to Compliance Date: 20051026  
Scheduled Compliance Date: 20050620  
Date of Request: Not reported  
Date Response Received: Not reported  
Request Agency: Not reported  
Former Citation: Not reported

Evaluation Date: 19950915  
Evaluation Responsible Agency: State  
Found Violation: No  
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: 20041209  
Evaluation Responsible Agency: State  
Found Violation: Yes  
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION ON-SITE  
Evaluation Responsible Person Identifier: Not reported  
Evaluation Responsible Sub-Organization: Not reported  
Actual Return to Compliance Date: 20051026  
Scheduled Compliance Date: 20050620  
Date of Request: Not reported  
Date Response Received: Not reported  
Request Agency: Not reported  
Former Citation: Not reported

Evaluation Date: 20040902  
Evaluation Responsible Agency: State  
Found Violation: Yes  
Evaluation Type Description: CASE DEVELOPMENT INSPECTION  
Evaluation Responsible Person Identifier: Not reported

Map ID  
Direction  
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MAP FINDINGS

Site

Database(s)

EDR ID Number  
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**TECHNICAL SERVICE PROFESSIONALS LLC (Continued)**

**1000148365**

Evaluation Responsible Sub-Organization: Not reported  
Actual Return to Compliance Date: 20050304  
Scheduled Compliance Date: 20050304  
Date of Request: Not reported  
Date Response Received: Not reported  
Request Agency: Not reported  
Former Citation: Not reported

Evaluation Date: 20041209  
Evaluation Responsible Agency: State  
Found Violation: Yes  
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION ON-SITE  
Evaluation Responsible Person Identifier: Not reported  
Evaluation Responsible Sub-Organization: Not reported  
Actual Return to Compliance Date: 20051026  
Scheduled Compliance Date: 20050620  
Date of Request: Not reported  
Date Response Received: Not reported  
Request Agency: Not reported  
Former Citation: Not reported

Evaluation Date: 20041209  
Evaluation Responsible Agency: State  
Found Violation: Yes  
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION ON-SITE  
Evaluation Responsible Person Identifier: Not reported  
Evaluation Responsible Sub-Organization: Not reported  
Actual Return to Compliance Date: 20051026  
Scheduled Compliance Date: 20050620  
Date of Request: Not reported  
Date Response Received: Not reported  
Request Agency: Not reported  
Former Citation: Not reported

Evaluation Date: 20041209  
Evaluation Responsible Agency: State  
Found Violation: Yes  
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION ON-SITE  
Evaluation Responsible Person Identifier: Not reported  
Evaluation Responsible Sub-Organization: Not reported  
Actual Return to Compliance Date: 20051026  
Scheduled Compliance Date: 20050620  
Date of Request: Not reported  
Date Response Received: Not reported  
Request Agency: Not reported  
Former Citation: Not reported

Evaluation Date: 20041209  
Evaluation Responsible Agency: State  
Found Violation: Yes  
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION ON-SITE  
Evaluation Responsible Person Identifier: Not reported  
Evaluation Responsible Sub-Organization: Not reported  
Actual Return to Compliance Date: 20051026  
Scheduled Compliance Date: 20050620  
Date of Request: Not reported  
Date Response Received: Not reported

Map ID  
Direction  
Distance  
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MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**TECHNICAL SERVICE PROFESSIONALS LLC (Continued)**

**1000148365**

Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	20040902
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	CASE DEVELOPMENT INSPECTION
Evaluation Responsible Person Identifier:	Not reported
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	20050304
Scheduled Compliance Date:	20050501
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	20041209
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	Not reported
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	20051026
Scheduled Compliance Date:	20051209
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	20041209
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	Not reported
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	20051026
Scheduled Compliance Date:	20050620
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported

**FINDS:**

Registry ID: 110003633499

[Click Here for FRS Facility Detail Report:](#)

**Environmental Interest/Information System:**

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**TECHNICAL SERVICE PROFESSIONALS LLC (Continued)**

**1000148365**

[Click this hyperlink](#) while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

**ECHO:**

Envid: 1000148365  
Registry ID: 110003633499  
DFR URL: <http://echo.epa.gov/detailed-facility-report?fid=110003633499>  
Name: TECHNICAL SERVICE PROFESSIONALS LLC  
Address: 21601 HOOVER RD  
City,State,Zip: WARREN, MI 48089

**17**  
**North**  
**< 1/8**  
**0.084 mi.**  
**446 ft.**

**INDUSTRIAL FOAMCRAFT**  
**21900 HOOVER RD**  
**WARREN, MI 48089**

**RCRA NonGen / NLR**  
**FINDS**  
**ECHO**

**1000428257**  
**MID052465473**

**Relative:**  
**Higher**  
**Actual:**  
**625 ft.**

**RCRA Listings:**

Date Form Received by Agency: 20020923  
Handler Name: Industrial Foamcraft  
Handler Address: 21900 HOOVER RD  
Handler City,State,Zip: WARREN, MI 48089  
EPA ID: MID052465473  
Contact Name: DOUG TITO  
Contact Address: 21900 HOOVER RD  
Contact City,State,Zip: WARREN, MI 48089  
Contact Telephone: 586-558-2060  
Contact Fax: Not reported  
Contact Email: Not reported  
Contact Title: Not reported  
EPA Region: 05  
Land Type: Other  
Federal Waste Generator Description: Not a generator, verified  
Non-Notifier: Not reported  
Biennial Report Cycle: Not reported  
Accessibility: Not reported  
Active Site Indicator: Not reported  
State District Owner: Not reported  
State District: Not reported  
Mailing Address: 27365 MOUND RD  
Mailing City,State,Zip: WARREN, MI 48092  
Owner Name: No Active O/Op As Not Generating Waste  
Owner Type: Private  
Operator Name: No Active O/Op As Not Generating Waste  
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  
Universal Waste Destination Facility: No

Map ID  
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MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**INDUSTRIAL FOAMCRAFT (Continued)**

**1000428257**

Federal Universal Waste:	No
Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	NN
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:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
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:	Not reported
Manifest Broker:	Not reported
Sub-Part P Indicator:	No

**Hazardous Waste Summary:**

Waste Code:	D001
Waste Description:	Ignitable Waste

**Handler - Owner Operator:**

Owner/Operator Indicator:	Operator
Owner/Operator Name:	NO ACTIVE O/OP AS NOT GENERATING WASTE
Legal Status:	Private
Date Became Current:	20020101
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:	NO ACTIVE O/OP AS NOT GENERATING WASTE
Legal Status:	Private
Date Became Current:	20020101
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

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**INDUSTRIAL FOAMCRAFT (Continued)**

**1000428257**

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

Owner/Operator Indicator: Owner  
Owner/Operator Name: NO ACTIVE O/OP AS NOT GENERATING WASTE  
Legal Status: Private  
Date Became Current: 20020101  
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: NO ACTIVE O/OP AS NOT GENERATING WASTE  
Legal Status: Private  
Date Became Current: 20020101  
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: NO ACTIVE O/OP AS NOT GENERATING WASTE  
Legal Status: Private  
Date Became Current: 20020101  
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: NO ACTIVE O/OP AS NOT GENERATING WASTE  
Legal Status: Private  
Date Became Current: 20020101  
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: 19870109  
Handler Name: INDUSTRIAL FOAMCRAFT  
Federal Waste Generator Description: Small Quantity Generator  
State District Owner: Not reported  
Large Quantity Handler of Universal Waste: No

Map ID  
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MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**INDUSTRIAL FOAMCRAFT (Continued)**

**1000428257**

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: 20020923  
Handler Name: INDUSTRIAL FOAMCRAFT  
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: Yes  
Non Storage Recycler Activity: Not reported  
Electronic Manifest Broker: Not reported

Receive Date: 20011231  
Handler Name: INDUSTRIAL FOAMCRAFT  
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

List of NAICS Codes and Descriptions:

NAICS Code: 32614  
NAICS Description: POLYSTYRENE FOAM PRODUCT MANUFACTURING

Has the Facility Received Notices of Violations:

Found Violation: Yes  
Agency Which Determined Violation: State  
Violation Short Description: Generators - General  
Date Violation was Determined: 19900810  
Actual Return to Compliance Date: 19910118  
Return to Compliance Qualifier: Observed  
Violation Responsible Agency: State  
Scheduled Compliance Date: 19900930  
Enforcement Identifier: 001  
Date of Enforcement Action: 19900904  
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

Map ID  
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MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**INDUSTRIAL FOAMCRAFT (Continued)**

**1000428257**

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:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	LDR - General
Date Violation was Determined:	19900810
Actual Return to Compliance Date:	19910118
Return to Compliance Qualifier:	Observed
Violation Responsible Agency:	State
Scheduled Compliance Date:	19900930
Enforcement Identifier:	001
Date of Enforcement Action:	19900904
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:	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

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**INDUSTRIAL FOAMCRAFT (Continued)**

**1000428257**

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
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:	19900810
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	FOCUSED COMPLIANCE INSPECTION
Evaluation Responsible Person Identifier:	Not reported
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	19910118
Scheduled Compliance Date:	19900930
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	19900810
Evaluation Responsible Agency:	State
Found Violation:	Yes

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**INDUSTRIAL FOAMCRAFT (Continued)**

**1000428257**

Evaluation Type Description:	FOCUSED COMPLIANCE INSPECTION
Evaluation Responsible Person Identifier:	Not reported
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	19910118
Scheduled Compliance Date:	19900930
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	19901213
Evaluation Responsible Agency:	State
Found Violation:	No
Evaluation Type Description:	COMPLIANCE SCHEDULE EVALUATION
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

**FINDS:**

Registry ID: 110003596662

[Click Here for FRS Facility Detail Report:](#)

**Environmental Interest/Information System:**

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

[Click this hyperlink](#) while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

**ECHO:**

Envid:	1000428257
Registry ID:	110003596662
DFR URL:	<a href="http://echo.epa.gov/detailed-facility-report?fid=110003596662">http://echo.epa.gov/detailed-facility-report?fid=110003596662</a>
Name:	INDUSTRIAL FOAMCRAFT
Address:	21900 HOOVER RD
City,State,Zip:	WARREN, MI 48089

**G18**  
**South**  
**< 1/8**  
**0.086 mi.**  
**454 ft.**

**GIBBS MACHINERY CO**  
**21500 21550 21590 HOOVER ROAD**  
**WARREN, MI 48089**

**Site 1 of 6 in cluster G**

**MI VCP** **S129313850**  
**N/A**

**Relative:**  
**Higher**  
**Actual:**  
**625 ft.**

VCP:  
Location ID: 50000233  
Name: GIBBS MACHINERY CO  
Address: 21500 21550 21590 HOOVER ROAD

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**GIBBS MACHINERY CO (Continued)**

**S129313850**

City,State,Zip: WARREN, MI 48089  
Location Type: Part 201 site  
Township: Not reported  
Work Unit: Warren  
Project Manager: Wilson, Cheryl  
Risk Condition: Risks Present and Require Action in Short-term  
Latitude: 42.4549966  
Longitude: -83.00407968

**G19**  
**South**  
**< 1/8**  
**0.086 mi.**  
**454 ft.**

**GIBBS MACHINERY CO**  
**21500 21550 21590 HOOVER ROAD**  
**WARREN, MI 48089**  
**Site 2 of 6 in cluster G**

**MI VCP S129313855**  
**N/A**

**Relative:**  
**Higher**  
**Actual:**  
**625 ft.**

VCP:  
Location ID: 50000684  
Name: GIBBS MACHINERY CO  
Address: 21500 21550 21590 HOOVER ROAD  
City,State,Zip: WARREN, MI 48089  
Location Type: Part 201 site  
Township: Not reported  
Work Unit: Warren  
Project Manager: Wilson, Cheryl  
Risk Condition: Risks Present and Require Action in Short-term  
Latitude: 42.45503578  
Longitude: -83.00401715

**G20**  
**South**  
**< 1/8**  
**0.086 mi.**  
**454 ft.**

**GIBBS MACHINERY CO**  
**21500 21550 21590 HOOVER ROAD**  
**WARREN, MI 48089**  
**Site 3 of 6 in cluster G**

**MI INVENTORY S105144336**  
**MI PART 201**  
**MI BEA**  
**MI WDS**  
**N/A**

**Relative:**  
**Higher**  
**Actual:**  
**625 ft.**

INVENTORY:  
Name: GIBBS MACHINERY CO  
Address: 21500 21550 21590 HOOVER ROAD  
City,State,Zip: WARREN, MI 48089  
Township: Not reported  
District: Warren  
Data Source: Risks Present and Require Action in Short-term  
Lust Name: Not reported  
Regulatory Program: 201  
Release Status: Not reported  
Project Manager: Wilson, Cheryl  
Latitude: 42.4549966  
Longitude: -83.00407968  
  
Name: GIBBS MACHINERY CO  
Address: 21500 21550 21590 HOOVER ROAD  
City,State,Zip: WARREN, MI 48089  
Township: Not reported  
District: Warren  
Data Source: Risks Present and Require Action in Short-term  
Lust Name: Not reported  
Regulatory Program: 201

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**GIBBS MACHINERY CO (Continued)**

**S105144336**

Release Status: Not reported  
Project Manager: Wilson, Cheryl  
Latitude: 42.45503578  
Longitude: -83.00401715  
  
Name: GIBBS MACHINERY CO  
Address: 21500 21550 21590 HOOVER ROAD  
City,State,Zip: WARREN, MI 48089  
Township: Not reported  
District: Warren  
Data Source: Risks Not Determined  
Lust Name: Not reported  
Regulatory Program: 201  
Release Status: Not reported  
Project Manager: Unassigned, Southeast MI  
Latitude: 42.45517535  
Longitude: -83.0040329  
  
Name: GIBBS MACHINERY CO  
Address: 21500 21550 21590 HOOVER ROAD  
City,State,Zip: WARREN, MI 48089  
Township: Not reported  
District: Warren  
Data Source: Risks Not Determined  
Lust Name: Not reported  
Regulatory Program: 201  
Release Status: Not reported  
Project Manager: Unassigned, Southeast MI  
Latitude: 42.4550223  
Longitude: -83.00403933

**PART 201:**

Facility ID: 50000685  
**Facility Status:** **Inactive - no actions taken to address contamination**  
Source: Indus Commercial Mach & Comp  
SAM Score: 30  
SAM Score Date: 05/22/1996  
Township: 01N  
Range: 12E  
Section: 35  
Quarter: SW  
Quarter/Quarter: NW  
Pollutants: Pb; Phenanthrene; PCB's

**BEA:**

Name: GGG INDUSTRIES  
Address: 21500 HOOVER ROAD  
City,State,Zip: WARREN, MI  
Secondary Address: Not reported  
BEA Number: 204  
District: Southeast MI  
Date Received: 11/06/1996  
Submitter Name: MR. JAMIE GIBBS  
Petition Determination: No Request  
Petition Disclosure: 0  
Category: N

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**GIBBS MACHINERY CO (Continued)**

**S105144336**

Determination 20107A:	No Request
Reviewer:	temppm
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
Contact Zip Code:	Not reported
Contact State:	Not reported
Name:	GIBBS MACHINERY CO
Address:	21500 21550 21590 HOOVER ROAD
City,State,Zip:	WARREN, MI 48089
Secondary Address:	Not reported
BEA Number:	Not reported
District:	Not reported
Date Received:	11/06/1996
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:	50000685
Submittal Type:	Baseline Environmental Assessment
Submittal Number:	B199600204LV
Approval Status:	RRD Received
Workflow Status:	Submitted
Date Submitted:	2004-01-31 07:29:04
Date Completed:	Not reported
Township:	Not reported
Work Unit:	Warren
Comments:	Not reported
Organization:	MR. JAMIE GIBBS
Contact:	MR. JAMES GIBBS
Contact Type:	Submitter Contact
Organization Street Address:	Not reported
Organization City:	Not reported
Organization State:	Not reported
Organization Zip Code:	Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**GIBBS MACHINERY CO (Continued)**

**S105144336**

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

**WDS:**

Name: GIBBS MACHINERY  
Address: 21500 HOOVER RD  
City,State,Zip: WARREN, MI 48089  
Site Id: MIG000036085  
WMD Id: 445208  
Site Specific Name: GIBBS MACHINERY  
Mailing Address: 21500 HOOVER RD  
Mailing City/State/Zip: 48089  
Mailing County: MACOMB

**G21**  
**South**  
**< 1/8**  
**0.086 mi.**  
**454 ft.**

**GIBBS MACHINERY CO**  
**21500 21550 21590 HOOVER ROAD**  
**WARREN, MI 48089**

**MI VCP S129313863**  
**N/A**

**Site 4 of 6 in cluster G**

**Relative:**  
**Higher**

**VCP:**

**Actual:**  
**625 ft.**

Location ID: 50001071  
Name: GIBBS MACHINERY CO  
Address: 21500 21550 21590 HOOVER ROAD  
City,State,Zip: WARREN, MI 48089  
Location Type: Part 201 site  
Township: Not reported  
Work Unit: Warren  
Project Manager: Unassigned, Southeast MI  
Risk Condition: Risks Not Determined  
Latitude: 42.45517535  
Longitude: -83.0040329

**G22**  
**South**  
**< 1/8**  
**0.086 mi.**  
**454 ft.**

**GIBBS MACHINERY CO**  
**21500 21550 21590 HOOVER ROAD**  
**WARREN, MI 48089**

**MI VCP S129313856**  
**N/A**

**Site 5 of 6 in cluster G**

**Relative:**  
**Higher**

**VCP:**

**Actual:**  
**625 ft.**

Location ID: 50000685  
Name: GIBBS MACHINERY CO  
Address: 21500 21550 21590 HOOVER ROAD  
City,State,Zip: WARREN, MI 48089  
Location Type: Part 201 site  
Township: Not reported  
Work Unit: Warren  
Project Manager: Unassigned, Southeast MI  
Risk Condition: Risks Not Determined  
Latitude: 42.4550223  
Longitude: -83.00403933

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

EDR ID Number  
EPA ID Number

H23  
NE  
< 1/8  
0.104 mi.  
547 ft.

**WOLVERINE DIE CAST LP**  
**22550 NAGEL AVE**  
**WARREN, MI 48089**

**Site 1 of 4 in cluster H**

**RCRA-VSQG**  
**FINDS**  
**ECHO**

**1000430896**  
**MID058799644**

**Relative:**  
**Higher**

**Actual:**  
**625 ft.**

RCRA Listings:

Date Form Received by Agency:

Handler Name:

Handler Address:

Handler City,State,Zip:

EPA ID:

Contact Name:

Contact Address:

Contact City,State,Zip:

Contact Telephone:

Contact Fax:

Contact Email:

Contact Title:

EPA Region:

Land Type:

Federal Waste Generator Description:

Non-Notifier:

Biennial Report Cycle:

Accessibility:

Active Site Indicator:

State District Owner:

State District:

Mailing Address:

Mailing City,State,Zip:

Owner Name:

Owner Type:

Operator Name:

Operator Type:

Short-Term Generator Activity:

Importer Activity:

Mixed Waste Generator:

Transporter Activity:

Transfer Facility Activity:

Recycler Activity with Storage:

Small Quantity On-Site Burner Exemption:

Smelting Melting and Refining Furnace Exemption:

Underground Injection Control:

Off-Site Waste Receipt:

Universal Waste Indicator:

Universal Waste Destination Facility:

Federal Universal Waste:

Active Site State-Reg Handler:

Federal Facility Indicator:

Hazardous Secondary Material Indicator:

Sub-Part K Indicator:

2018 GPRA Permit Baseline:

2018 GPRA Renewals Baseline:

202 GPRA Corrective Action Baseline:

Subject to Corrective Action Universe:

Non-TSDFs Where RCRA CA has Been Imposed Universe:

Corrective Action Priority Ranking:

Environmental Control Indicator:

Institutional Control Indicator:

20060417

Wolverine Die Cast Lp

22550 NAGEL AVE

WARREN, MI 48089

MID058799644

WILLIAM SELECMAN

22550 NAGEL AVE

WARREN, MI 48089

586-757-1900

Not reported

Not reported

Not reported

05

Private

Conditionally Exempt Small Quantity Generator

Not reported

Not reported

Not reported

Handler Activities

Not reported

Not reported

22550 NAGEL AVE

WARREN, MI 48089

Wolverine Service Corporation

Private

Wolverine Service Corporation

Private

No

No

No

No

No

No

No

No

No

No

No

No

No

---

Not reported

NN

Not reported

Not on the Baseline

Not on the Baseline

No

No

No

No NCAPS ranking

No

No

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**WOLVERINE DIE CAST LP (Continued)**

**1000430896**

Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
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:	Not reported
Manifest Broker:	Not reported
Sub-Part P Indicator:	No

**Hazardous Waste Summary:**

Waste Code:	D001
Waste Description:	Ignitable Waste

**Handler - Owner Operator:**

Owner/Operator Indicator:	Operator
Owner/Operator Name:	WOLVERINE SERVICE CORPORATION
Legal Status:	Private
Date Became Current:	19940715
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:	WOLVERINE SERVICE CORPORATION
Legal Status:	Private
Date Became Current:	19940715
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:	WOLVERINE SERVICE CORPORATION
Legal Status:	Private
Date Became Current:	19940715
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

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**WOLVERINE DIE CAST LP (Continued)**

**1000430896**

Owner/Operator Email: Not reported

Owner/Operator Indicator: Operator  
Owner/Operator Name: WOLVERINE SERVICE CORPORATION  
Legal Status: Private  
Date Became Current: 19940715  
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: WOLVERINE SERVICE CORPORATION  
Legal Status: Private  
Date Became Current: 19940715  
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: WOLVERINE SERVICE CORPORATION  
Legal Status: Private  
Date Became Current: 19940715  
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: WOLVERINE SERVICE CORPORATION  
Legal Status: Private  
Date Became Current: 19940715  
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: WOLVERINE SERVICE CORPORATION  
Legal Status: Private  
Date Became Current: 19940715  
Date Ended Current: Not reported  
Owner/Operator Address: Not reported  
Owner/Operator City,State,Zip: Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**WOLVERINE DIE CAST LP (Continued)**

**1000430896**

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: WOLVERINE SERVICE CORPORATION  
Legal Status: Private  
Date Became Current: 19940715  
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: WOLVERINE SERVICE CORPORATION  
Legal Status: Private  
Date Became Current: 19940715  
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: WOLVERINE SERVICE CORPORATION  
Legal Status: Private  
Date Became Current: 19940715  
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: WOLVERINE SERVICE CORPORATION  
Legal Status: Private  
Date Became Current: 19940715  
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: 19850820  
Handler Name: WOLVERINE DIE CAST LP  
Federal Waste Generator Description: Small Quantity Generator

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**WOLVERINE DIE CAST LP (Continued)**

**1000430896**

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: 20020813  
Handler Name: WOLVERINE DIE CAST LP  
Federal Waste Generator Description: 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: No  
Non Storage Recycler Activity: Not reported  
Electronic Manifest Broker: Not reported

Receive Date: 20030414  
Handler Name: WOLVERINE DIE CAST LP  
Federal Waste Generator Description: 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: No  
Non Storage Recycler Activity: Not reported  
Electronic Manifest Broker: Not reported

Receive Date: 20040228  
Handler Name: WOLVERINE DIE CAST LP  
Federal Waste Generator Description: Small Quantity Generator  
State District Owner: Not reported  
Large Quantity Handler of Universal Waste: Yes  
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: 20041231  
Handler Name: WOLVERINE DIE CAST LP  
Federal Waste Generator Description: 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

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**WOLVERINE DIE CAST LP (Continued)**

**1000430896**

Spent Lead Acid Battery Exporter:	No
Current Record:	No
Non Storage Recycler Activity:	Not reported
Electronic Manifest Broker:	Not reported
Receive Date:	20060417
Handler Name:	WOLVERINE DIE CAST LP
Federal Waste Generator Description:	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:	331522
NAICS Description:	NONFERROUS (EXCEPT ALUMINUM) DIE-CASTING FOUNDRIES

Has the Facility Received Notices of Violations:

Found Violation:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	Universal Waste - Small Quantity Handlers
Date Violation was Determined:	19990929
Actual Return to Compliance Date:	20000713
Return to Compliance Qualifier:	Observed
Violation Responsible Agency:	State
Scheduled Compliance Date:	19991029
Enforcement Identifier:	001
Date of Enforcement Action:	19990929
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:	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

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**WOLVERINE DIE CAST LP (Continued)**

**1000430896**

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:	LDR - General
Date Violation was Determined:	19990929
Actual Return to Compliance Date:	20000713
Return to Compliance Qualifier:	Observed
Violation Responsible Agency:	State
Scheduled Compliance Date:	19991029
Enforcement Identifier:	001
Date of Enforcement Action:	19990929
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:	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:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	Generators - General
Date Violation was Determined:	19990929
Actual Return to Compliance Date:	20000713
Return to Compliance Qualifier:	Observed
Violation Responsible Agency:	State
Scheduled Compliance Date:	19991029
Enforcement Identifier:	001
Date of Enforcement Action:	19990929
Enforcement Responsible Agency:	State
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	No

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**WOLVERINE DIE CAST LP (Continued)**

**1000430896**

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:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	Generators - Pre-transport
Date Violation was Determined:	19990929
Actual Return to Compliance Date:	20000713
Return to Compliance Qualifier:	Observed
Violation Responsible Agency:	State
Scheduled Compliance Date:	19991029
Enforcement Identifier:	001
Date of Enforcement Action:	19990929
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:	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

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**WOLVERINE DIE CAST LP (Continued)**

**1000430896**

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:	19990929
Actual Return to Compliance Date:	20000713
Return to Compliance Qualifier:	Observed
Violation Responsible Agency:	State
Scheduled Compliance Date:	19991029
Enforcement Identifier:	001
Date of Enforcement Action:	19990929
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:	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

**Evaluation Action Summary:**

Evaluation Date:	19990923
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	Not reported
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	20000713
Scheduled Compliance Date:	19991029
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

**WOLVERINE DIE CAST LP (Continued)**

**1000430896**

Evaluation Date: 19990923  
Evaluation Responsible Agency: State  
Found Violation: Yes  
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION ON-SITE  
Evaluation Responsible Person Identifier: Not reported  
Evaluation Responsible Sub-Organization: Not reported  
Actual Return to Compliance Date: 20000713  
Scheduled Compliance Date: 19991029  
Date of Request: Not reported  
Date Response Received: Not reported  
Request Agency: Not reported  
Former Citation: Not reported

Evaluation Date: 19990923  
Evaluation Responsible Agency: State  
Found Violation: Yes  
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION ON-SITE  
Evaluation Responsible Person Identifier: Not reported  
Evaluation Responsible Sub-Organization: Not reported  
Actual Return to Compliance Date: 20000713  
Scheduled Compliance Date: 19991029  
Date of Request: Not reported  
Date Response Received: Not reported  
Request Agency: Not reported  
Former Citation: Not reported

Evaluation Date: 19990923  
Evaluation Responsible Agency: State  
Found Violation: Yes  
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION ON-SITE  
Evaluation Responsible Person Identifier: Not reported  
Evaluation Responsible Sub-Organization: Not reported  
Actual Return to Compliance Date: 20000713  
Scheduled Compliance Date: 19991029  
Date of Request: Not reported  
Date Response Received: Not reported  
Request Agency: Not reported  
Former Citation: Not reported

Evaluation Date: 19990923  
Evaluation Responsible Agency: State  
Found Violation: Yes  
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION ON-SITE  
Evaluation Responsible Person Identifier: Not reported  
Evaluation Responsible Sub-Organization: Not reported  
Actual Return to Compliance Date: 20000713  
Scheduled Compliance Date: 19991029  
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

**WOLVERINE DIE CAST LP (Continued)**

**1000430896**

**FINDS:**

Registry ID: 110001843541

[Click Here for FRS Facility Detail Report:](#)

**Environmental Interest/Information System:**

US EPA TRIS (Toxics Release Inventory System) contains information from facilities on the amounts of over 300 listed toxic chemicals that these facilities release directly to air, water, land, or that are transported off-site.

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

OSHA ESTABLISHMENT

[Click this hyperlink](#) while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

**ECHO:**

Envid: 1000430896  
Registry ID: 110001843541  
DFR URL: <http://echo.epa.gov/detailed-facility-report?fid=110001843541>  
Name: WOLVERINE DIE CAST CORP  
Address: 22550 NAGEL AVE  
City,State,Zip: WARREN, MI 48089

**H24  
NE  
< 1/8  
0.104 mi.  
547 ft.**

**22550 NAGEL STREET  
22550 NAGEL STREET  
WARREN, MI 48089**

**Site 2 of 4 in cluster H**

**MI INVENTORY S107696357  
MI AIRS N/A  
MI BEA  
MI WDS  
MI VCP**

**Relative:  
Higher**

**INVENTORY:**

**Actual:  
625 ft.**

Name: 22550 NAGEL STREET  
Address: 22550 NAGEL STREET  
City,State,Zip: WARREN, MI 48089  
Township: Not reported  
District: Warren  
Data Source: Risks Not Determined  
Lust Name: Not reported  
Regulatory Program: 201  
Release Status: Not reported  
Project Manager: Adolphues, Ira  
Latitude: 42.45888294  
Longitude: -83.00121616

**AIRS:**

Name: WOLVERINE DIE CAST CORPORATION  
Address: 22550 NAGEL STREET  
City,State,Zip: WARREN, MI 48089  
State Registration Number: A3201  
Naics Code: Not reported  
Contact Email: Not reported  
Contact Name: WILLIAM SELECMAN  
Contact Phone: Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**22550 NAGEL STREET (Continued)**

**S107696357**

Contact Address: (same as site address)  
Contact City,St,Zip: Not reported  
Permit Number: 1105-91  
Date Received: 09/20/1991  
Application Reason: ZINC REMELT FURNACE  
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: 22550 NAGEL STREET  
Address: 22550 NAGEL STREET  
City,State,Zip: WARREN, MI 48089  
Secondary Address: Not reported  
BEA Number: Not reported  
District: Not reported  
Date Received: 03/24/2020  
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: 50500462  
Submittal Type: Baseline Environmental Assessment

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**22550 NAGEL STREET (Continued)**

**S107696357**

Submittal Number: 50500462-BEA-1  
Approval Status: RRD Received  
Workflow Status: Submitted  
Date Submitted: 2020-04-07 12:19:54  
Date Completed: 2/13/2020  
Township: Not reported  
Work Unit: Warren  
Comments: Not reported  
Organization: 22550 Nagel LLC  
Contact: Bahri, Vinson  
Contact Type: Owner  
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: WOLVERINE DIE CAST LP  
Address: 22550 NAGEL AVE  
City,State,Zip: WARREN, MI 48089  
Site Id: MID058799644  
WMD Id: 396459  
Site Specific Name: WOLVERINE DIE CAST  
Mailing Address: 22550 NAGEL AVE  
Mailing City/State/Zip: 48089  
Mailing County: MACOMB

**VCP:**

Location ID: 50500462  
Name: 22550 NAGEL STREET  
Address: 22550 NAGEL STREET  
City,State,Zip: WARREN, MI 48089  
Location Type: Part 201 site  
Township: Not reported  
Work Unit: Warren  
Project Manager: Adolphues, Ira  
Risk Condition: Risks Not Determined  
Latitude: 42.4588294  
Longitude: -83.00121616

**I25  
NNW  
< 1/8  
0.105 mi.  
554 ft.**

**AJAX METAL PROCESSING INC  
WARREN, MI  
Site 1 of 2 in cluster I**

**PFAS ECHO 1027322932  
N/A**

**Relative:  
Higher  
Actual:  
625 ft.**

PFAS ECHO:  
Name: AJAX METAL PROCESSING INC  
Address: Not reported  
City,State,Zip: WARREN, MI  
Latitude: 42.45856  
Longitude: -83.00552

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**AJAX METAL PROCESSING INC (Continued)**

**1027322932**

Count:	1
County:	MACOMB
Status:	Active
Region:	05
Industry:	Metal Coating
ECHO Facility Report:	<a href="https://echo.epa.gov/detailed-facility-report?fid=110000405311">https://echo.epa.gov/detailed-facility-report?fid=110000405311</a>
Facility Percent Minority:	56.35
Facility Derived Tribes:	-
Facility Population:	4821.54
EPA Programs:	CWA; RCRA
Federal Facility:	No
Federal Agency:	-
Facility FIPS Code:	26099
Facility Indian Country Flag:	N
Facility Collection Method:	ADDRESS MATCHING-HOUSE NUMBER
Facility Derived HUC:	04090002
Facility Derived WBD:	040900030401
Facility Derived CD113:	09
Facility Derived CB2010:	260992684001030
Facility Major Flag:	-
Facility Active Flag:	Y
Facility Inspection Count:	1
Facility Date Last Inspection:	9/17/2020
Facility Days Last Inspection:	919
Facility Informal Count:	0
Facility Date Last Informal Action:	12/9/2003
Facility Formal Action Count:	0
Facility Date Last Formal Action:	-
Facility Total Penalties:	0
Facility Penalty Count:	-
Facility Date Last Penalty:	-
Facility Last Penalty AMT:	-
Facility QTRS With NC:	1
Facility Programs With SNC:	0
Facility Compliance Status:	No Violation Identified
Facility SNC Flag:	N
AIR Flag:	N
NPDES Flag:	Y
SDWIS Flag:	N
RCRA Flag:	Y
TRI Flag:	Y
GHG Flag:	N
AIR IDS:	-
CAA Permit Types:	-
CAA NAICS:	-
CAA SICS:	-
NPDES IDS:	MIS111142
CWA Permit Types:	Minor
CWA NAICS:	-
CWA SICS:	3471 3452
RCRA IDS:	MID083942714
RCRA Permit Types:	LQG
RCRA NAICS:	332811
SDWA IDS:	-
SDWA System Types:	-
SDWA Compliance Status:	-
SDWA SNC Flag:	N

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**AJAX METAL PROCESSING INC (Continued)**

**1027322932**

TRI IDS: 48089JXMTL22105  
TRI Releases Transfers: 10  
TRI On Site Releases: 10  
TRI Off Site Transfers: 0  
TRI Reporter: Y  
Facility IMP Water Flag: -  
EJSCREEN Flag US: Y  
EJSCREEN Report: [https://ejscreen.epa.gov/mapper/mobile/EJSCREEN\\_mobile.aspx?geometry=%7B%22x%22:-83.00552,%22y%22:42.45856,%22spatialReference%22:%7B%22wkid%22:4326%7D%7D&unit=9035&areatype=&areaid=&basemap=streets&distance=1](https://ejscreen.epa.gov/mapper/mobile/EJSCREEN_mobile.aspx?geometry=%7B%22x%22:-83.00552,%22y%22:42.45856,%22spatialReference%22:%7B%22wkid%22:4326%7D%7D&unit=9035&areatype=&areaid=&basemap=streets&distance=1)

**J26**  
**SW**  
**1/8-1/4**  
**0.127 mi.**  
**668 ft.**

**CCT DE'COUPER INDUSTRIES INC**  
**21535 HOOVER RD**  
**WARREN, MI 48089**

**RCRA-VSQQ**  
**FINDS**  
**ECHO**

**1000159465**  
**MIT270011166**

**Site 1 of 3 in cluster J**

**Relative:**  
**Higher**  
**Actual:**  
**627 ft.**

RCRA Listings:  
Date Form Received by Agency: 20001107  
Handler Name: Cct De'Couper Industries Inc  
Handler Address: 21535 HOOVER RD  
Handler City,State,Zip: WARREN, MI 48089  
EPA ID: MIT270011166  
Contact Name: THOMAS KELLY  
Contact Address: 21535 HOOVER RD  
Contact City,State,Zip: WARREN, MI 48089  
Contact Telephone: 810-755-4480  
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: 21535 HOOVER RD  
Mailing City,State,Zip: WARREN, MI 48089  
Owner Name: Teleflex Incorporated  
Owner Type: Private  
Operator Name: Creative Industrial Group  
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  
Universal Waste Destination Facility: No  
Federal Universal Waste: No

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**CCT DE'COUPER INDUSTRIES INC (Continued)**

**1000159465**

Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	NN
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:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
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:	Not reported
Manifest Broker:	Not reported
Sub-Part P Indicator:	No

**Hazardous Waste Summary:**

Waste Code:	D001
Waste Description:	Ignitable Waste

**Handler - Owner Operator:**

Owner/Operator Indicator:	Operator
Owner/Operator Name:	CREATIVE INDUSTRIAL GROUP
Legal Status:	Private
Date Became Current:	19840220
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:	TELEFLEX INCORPORATED
Legal Status:	Private
Date Became Current:	20001107
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

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**CCT DE'COUPER INDUSTRIES INC (Continued)**

**1000159465**

Owner/Operator Email: Not reported

Owner/Operator Indicator: Operator  
Owner/Operator Name: CREATIVE INDUSTRIAL GROUP  
Legal Status: Private  
Date Became Current: 19840220  
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: TELEFLEX INCORPORATED  
Legal Status: Private  
Date Became Current: 20001107  
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: TELEFLEX INCORPORATED  
Legal Status: Private  
Date Became Current: 20001107  
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: CREATIVE INDUSTRIAL GROUP  
Legal Status: Private  
Date Became Current: 19840220  
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: 19980917  
Handler Name: CCT DE'COUPER INDUSTRIES INC  
Federal Waste Generator Description: Not a generator, verified  
State District Owner: Not reported  
Large Quantity Handler of Universal Waste: No  
Recognized Trader Importer: No

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**CCT DE'COUPER INDUSTRIES INC (Continued)**

**1000159465**

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: 19801002  
Handler Name: CCT DE'COUPER INDUSTRIES INC  
Federal Waste Generator Description: 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: No  
Non Storage Recycler Activity: Not reported  
Electronic Manifest Broker: Not reported

Receive Date: 20001107  
Handler Name: CCT DE'COUPER INDUSTRIES INC  
Federal Waste Generator Description: 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

Facility Has Received Notices of Violations:

Violations: No Violations Found

Evaluation Action Summary:

Evaluations: No Evaluations Found

FINDS:

Registry ID: 110003718291

[Click Here for FRS Facility Detail Report:](#)

Environmental Interest/Information System:

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**CCT DE'COUPER INDUSTRIES INC (Continued)**

**1000159465**

[Click this hyperlink](#) while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

**ECHO:**

Envid: 1000159465  
Registry ID: 110003718291  
DFR URL: <http://echo.epa.gov/detailed-facility-report?fid=110003718291>  
Name: CCT DE'COUPER INDUSTRIES INC  
Address: 21535 HOOVER RD  
City,State,Zip: WARREN, MI 48089

**J27  
SW  
1/8-1/4  
0.127 mi.  
668 ft.**

**CCT DELICOUPE INDUSTRIES  
21535 HOOVER  
WARREN, MI 48089  
Site 2 of 3 in cluster J**

**MI INVENTORY S114027001  
MI BEA N/A  
MI VCP**

**Relative:  
Higher  
Actual:  
627 ft.**

**INVENTORY:**

Name: CCT DELICOUPE INDUSTRIES  
Address: 21535 HOOVER  
City,State,Zip: WARREN, MI 48089  
Township: Not reported  
District: Warren  
Data Source: Risks Present and Require Action in Short-term  
Lust Name: Not reported  
Regulatory Program: 201  
Release Status: Not reported  
Project Manager: Ndukwe, Ernest  
Latitude: 42.455084  
Longitude: -83.004302

**BEA:**

Name: CCT DELICOUPE INDUSTRIES  
Address: 21535 HOOVER  
City,State,Zip: WARREN, MI 48089  
Secondary Address: Not reported  
BEA Number: Not reported  
District: Not reported  
Date Received: 02/23/2004  
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: 50000821  
Submittal Type: Baseline Environmental Assessment  
Submittal Number: B200402302LV  
Approval Status: RRD Received  
Workflow Status: Submitted  
Date Submitted: 2004-02-24 14:30:33  
Date Completed: Not reported  
Township: Not reported  
Work Unit: Warren  
Comments: Not reported  
Organization: Hoover 4 Management, LLC

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**CCT DELICOUPER INDUSTRIES (Continued)**

**S114027001**

Contact: PM Environmental, Inc.  
Contact Type: Submitter Contact  
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: CCT DELICOUPER INDUSTRIES  
Address: 21535 HOOVER  
City,State,Zip: WARREN, MI 48089  
Secondary Address: Not reported  
BEA Number: Not reported  
District: Not reported  
Date Received: 03/09/2004  
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: 50000821  
Submittal Type: Baseline Environmental Assessment  
Submittal Number: P200402322LV  
Approval Status: RRD Received  
Workflow Status: Submitted  
Date Submitted: 2004-03-09 16:02:01  
Date Completed: Not reported  
Township: Not reported  
Work Unit: Warren  
Comments: Was former BEA Disclosure B200402302LV  
Organization: Hoover 4 Management, LLC  
Contact: PM Environmental, Inc.  
Contact Type: Submitter Contact  
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

**VCP:**

Location ID: 50000821  
Name: CCT DELICOUPER INDUSTRIES  
Address: 21535 HOOVER  
City,State,Zip: WARREN, MI 48089  
Location Type: Part 201 site  
Township: Not reported  
Work Unit: Warren

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**CCT DELICOUPER INDUSTRIES (Continued)**

**S114027001**

Project Manager: Ndukwe, Ernest  
Risk Condition: Risks Present and Require Action in Short-term  
Latitude: 42.455084  
Longitude: -83.004302

**J28  
SW  
1/8-1/4  
0.127 mi.  
668 ft.**

**CCT DE'COUPER IND  
21535 HOOVER RD  
WARREN, MI 48089  
Site 3 of 3 in cluster J**

**MI LUST U003426399  
MI UST N/A  
MI BEA  
MI WDS**

**Relative:  
Higher**

**LUST:**

**Actual:  
627 ft.**

Name: CCT DE'COUPER IND  
Address: 21535 HOOVER RD  
City,State,Zip: WARREN, MI 48089  
Facility ID: 39817  
Source: Not reported  
Owner Name: Johnson, Jeff  
Owner Address: Not reported  
Owner City,St,Zip: Not reported  
Owner Contact: Not reported  
Owner Phone: 231-357-0990  
Country: Not reported  
District: Warren  
Site Name: Cct De'couper Ind  
Latitude: 42.45499  
Longitude: -83.00572  
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: 28899  
Release Date: 11/06/1998  
Substance Released: Not reported  
Release Status: Closed  
Release Closed Date: 04/07/1999

Leak Number: C-1109-98  
Release Date: 11/06/1998  
Substance Released: Unknown  
Release Status: Closed  
Release Closed Date: 04/07/1999

**UST:**

Name: CCT DE'COUPER IND  
Address: 21535 HOOVER RD  
City,State,Zip: WARREN 48089-3159

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**CCT DE'COUPER IND (Continued)**

**U003426399**

Facility Type: CLOSED  
Facility ID: 00039817  
Owner Name: HOOVER ROAD ASSOCIATES LTD  
Owner Address: 28400 NORTHWESTERN HWY 4TH FLOOR  
Owner City: SOUTHFIELD  
Owner State: MI  
Owner Zip: 48034-1839  
Owner Contact: Not reported  
Owner Phone: 2483530500  
Contact: MATTHEW ORSARGUS  
Contact Phone: (248) 353-0500  
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: Region 1 - SE Michigan District Office  
Tank ID: 1  
Capacity: 3000  
Tank Status: Closed in Ground  
Substance: Other(VIRGL/OIL)  
Install Date: Not reported  
Remove Date: 11/06/1998  
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: 42.45499  
Longitude: -83.00572

**BEA:**

Name: HOOVER 4 MANAGEMENT, LLC  
Address: 21535 HOOVER ROAD  
City,State,Zip: WARREN, MI 48089  
Secondary Address: Not reported  
BEA Number: 2302  
District: Southeast MI  
Date Received: 02/23/2004  
Submitter Name: Hoover 4 Management, LLC  
Petition Determination: No Request  
Petition Disclosure: 0  
Category: N  
Determination 20107A: No Request  
Reviewer: ndukwee  
Division Assigned: ERD  
Location ID: Not reported  
Submittal Type: Not reported  
Submittal Number: Not reported  
Approval Status: Not reported  
Workflow Status: Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**CCT DE'COUPER IND (Continued)**

**U003426399**

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:	HOOVER 4 MANAGEMENT
Address:	21535 HOOVER ROAD
City,State,Zip:	WARREN, MI 48089
Secondary Address:	Not reported
BEA Number:	2322
District:	Southeast MI
Date Received:	03/09/2004
Submitter Name:	Hoover 4 Management, LLC
Petition Determination:	Affirmed
Petition Disclosure:	1
Category:	N
Determination 20107A:	No Request
Reviewer:	ndukwee
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
Contact Zip Code:	Not reported
Contact State:	Not reported

WDS:

Name: CCT DE'COUPER INDUSTRIES INC

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**CCT DE'COUPER IND (Continued)**

**U003426399**

Address: 21535 HOOVER RD  
City,State,Zip: WARREN, MI 48089  
Site Id: MIT270011166  
WMD Id: 414476  
Site Specific Name: CCT DE'COUPER INDUSTRIES INC  
Mailing Address: 21535 HOOVER RD  
Mailing City/State/Zip: 48089  
Mailing County: MACOMB

**G29**  
**South**  
**1/8-1/4**  
**0.127 mi.**  
**669 ft.**

**GIBBS MACHINERY CO**  
**21500 HOOVER RD**  
**WARREN, MI 48089**  
  
**Site 6 of 6 in cluster G**

**MI UST** **U003834516**  
**N/A**

**Relative:**  
**Higher**

UST:

**Actual:**  
**625 ft.**

Name: GIBBS MACHINERY CO  
Address: 21500 HOOVER RD  
City,State,Zip: WARREN 48089-3160  
Facility Type: CLOSED  
Facility ID: 00036800  
Owner Name: GIBBS MACHINERY CO  
Owner Address: 21500 HOOVER RD  
Owner City: WARREN  
Owner State: MI  
Owner Zip: 48089-3160  
Owner Contact: Not reported  
Owner Phone: 8107555353  
Contact: JOSEPH GIBBS  
Contact Phone: (313) 755-5353  
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: Region 1 - SE Michigan District Office  
Tank ID: 1  
Capacity: Not reported  
Tank Status: Removed from Ground  
Substance: Other(CONSUMPTIVE HEATING)  
Install Date: 01/01/1955  
Remove Date: 12/01/1998  
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: 42.45475  
Longitude: -83.00533

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

EDR ID Number  
EPA ID Number

I30  
NNW  
1/8-1/4  
0.131 mi.  
693 ft.

**COLD HEADING CO**  
**22155 HOOVER RD**  
**WARREN, MI 48089**  
**Site 2 of 2 in cluster I**

**MI LUST**  
**MI UST**  
**MI WDS**

**U000259009**  
**N/A**

**Relative:**  
**Higher**

**Actual:**  
**625 ft.**

**LUST:**

Name: COLD HEADING CO  
Address: 22155 HOOVER RD  
City,State,Zip: WARREN, MI 48089  
Facility ID: 1757  
Source: Not reported  
Owner Name: Mini Mart Inc, Western  
Owner Address: Not reported  
Owner City,St,Zip: Not reported  
Owner Contact: Not reported  
Owner Phone: (313) 624-8888  
Country: Not reported  
District: Warren  
Site Name: Cold Heading Co  
Latitude: 42.45837  
Longitude: -83.00584  
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: 25200  
Release Date: 08/22/1995  
Substance Released: Not reported  
Release Status: Closed  
Release Closed Date: 12/26/1995  
  
Leak Number: C-0970-95  
Release Date: 08/22/1995  
Substance Released: Used Oil  
Release Status: Closed  
Release Closed Date: 12/26/1995

**UST:**

Name: COLD HEADING CO  
Address: 22155 HOOVER RD  
City,State,Zip: WARREN 48089-2566  
Facility Type: CLOSED  
Facility ID: 00001757  
Owner Name: COLD HEADING CO  
Owner Address: 22155 HOOVER RD  
Owner City: WARREN  
Owner State: MI  
Owner Zip: 48089-2566

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**COLD HEADING CO (Continued)**

**U000259009**

Owner Contact:	Not reported
Owner Phone:	8107596822
Contact:	KEN STOAKLEY
Contact Phone:	(810) 497-7014
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:	Region 1 - SE Michigan District Office
Tank ID:	2
Capacity:	2000
Tank Status:	Removed from Ground
Substance:	Mixture,Used Oil
Install Date:	04/03/1971
Remove Date:	08/22/1995
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:	42.45837
Longitude:	-83.00584
Name:	COLD HEADING CO
Address:	22155 HOOVER RD
City,State,Zip:	WARREN 48089-2566
Facility Type:	CLOSED
Facility ID:	00001757
Owner Name:	COLD HEADING CO
Owner Address:	22155 HOOVER RD
Owner City:	WARREN
Owner State:	MI
Owner Zip:	48089-2566
Owner Contact:	Not reported
Owner Phone:	8107596822
Contact:	KEN STOAKLEY
Contact Phone:	(810) 497-7014
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:	Region 1 - SE Michigan District Office
Tank ID:	1
Capacity:	2000
Tank Status:	Removed from Ground
Substance:	Other(WAY OIL 100)

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**COLD HEADING CO (Continued)**

**U000259009**

Install Date: 04/02/1966  
Remove Date: 08/22/1995  
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: 42.45837  
Longitude: -83.00584

**WDS:**

Name: COLD HEADING CORP  
Address: 22155 HOOVER RD  
City,State,Zip: WARREN, MI 48089  
Site Id: MIG000041822  
WMD Id: 442542  
Site Specific Name: COLD HEADING CORP  
Mailing Address: 22155 HOOVER RD  
Mailing City/State/Zip: 48089  
Mailing County: MACOMB

**H31**  
**NE**  
**1/8-1/4**  
**0.132 mi.**  
**699 ft.**  
**SMS TECHNICAL SERVICES LLC**  
**22600 NAGEL ST**  
**WARREN, MI 48089**  
**Site 3 of 4 in cluster H**

**MI INVENTORY**  
**MI BEA**  
**MI NPDES**  
**MI WDS**  
**MI VCP**  
**S110364409**  
**N/A**

**Relative:**  
**Higher**  
**Actual:**  
**625 ft.**

**INVENTORY:**  
Name: 22600 NAGEL STREET  
Address: 22600 NAGEL STREET  
City,State,Zip: MI 48089  
Township: Not reported  
District: Warren  
Data Source: Risks Not Determined  
Lust Name: Not reported  
Regulatory Program: 201  
Release Status: Not reported  
Project Manager: Owens, Paul  
Latitude: 42.457701  
Longitude: -83.002172

**BEA:**

Name: 22600 NAGEL STREET  
Address: 22600 NAGEL STREET  
City,State,Zip: MI 48089  
Secondary Address: Not reported  
BEA Number: Not reported  
District: Not reported  
Date Received: 12/09/2016  
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

**SMS TECHNICAL SERVICES LLC (Continued)**

**S110364409**

Reviewer: Not reported  
Division Assigned: Not reported  
Location ID: 50500175  
Submittal Type: Baseline Environmental Assessment  
Submittal Number: B201607406LV  
Approval Status: RRD Received  
Workflow Status: Submitted  
Date Submitted: 2017-01-09 10:51:19  
Date Completed: Not reported  
Township: Not reported  
Work Unit: Warren  
Comments: BEA Report submitted on CD. Category A2 REVIEW CONCLUSION: BEA is entirely of previously identified concerns, and further follow up is needed, awaiting resources. metals exceedance

Organization: Rhema-Armada Real Estate, LLC  
Contact: Rose & Westra, a division of GZA  
Contact Type: Submitter Contact  
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: 22600 NAGEL STREET  
Address: 22600 NAGEL STREET  
City,State,Zip: MI 48089  
Secondary Address: Not reported  
BEA Number: Not reported  
District: Not reported  
Date Received: 12/09/2016  
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: 50500175  
Submittal Type: Baseline Environmental Assessment  
Submittal Number: B201607407LV  
Approval Status: RRD Received  
Workflow Status: Submitted  
Date Submitted: 2017-01-09 11:05:08  
Date Completed: Not reported  
Township: Not reported  
Work Unit: Warren  
Comments: BEA Report submitted on CD. ategory A2 (Associated ID #s like ITS and Site ID go here.) REVIEW CONCLUSION: BEA is entirely of previously identified concerns, and further follow up is needed, awaiting resources. metals exceedance

Organization: Rhema-Armada Operating, LLC  
Contact: Rose & Westra, a Division of GZA  
Contact Type: Submitter Contact

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**SMS TECHNICAL SERVICES LLC (Continued)**

**S110364409**

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:	22600 NAGEL STREET
Address:	22600 NAGEL STREET
City,State,Zip:	MI 48089
Secondary Address:	Not reported
BEA Number:	Not reported
District:	Not reported
Date Received:	09/27/2010
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:	50500175
Submittal Type:	Baseline Environmental Assessment
Submittal Number:	B201004577LV
Approval Status:	RRD Received
Workflow Status:	Submitted
Date Submitted:	2010-09-29 14:34:00
Date Completed:	Not reported
Township:	Not reported
Work Unit:	Warren
Comments:	Not reported
Organization:	SMS Modern Hard Chrome, LLC
Contact:	Robert A. Ferree
Contact Type:	Submitter Contact
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:	22600 NAGEL STREET
Address:	22600 NAGEL STREET
City,State,Zip:	MI 48089
Secondary Address:	Not reported
BEA Number:	Not reported
District:	Not reported
Date Received:	12/09/2016
Submitter Name:	Not reported
Petition Determination:	Not reported
Petition Disclosure:	Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**SMS TECHNICAL SERVICES LLC (Continued)**

**S110364409**

Category:	Not reported
Determination 20107A:	Not reported
Reviewer:	Not reported
Division Assigned:	Not reported
Location ID:	50500175
Submittal Type:	Baseline Environmental Assessment
Submittal Number:	B201607408LV
Approval Status:	RRD Received
Workflow Status:	Submitted
Date Submitted:	2017-01-09 11:40:18
Date Completed:	Not reported
Township:	Not reported
Work Unit:	Warren
Comments:	BEA Report submitted on CD. Category B2 (Associated ID #s like ITS and Site ID go here.) REVIEW CONCLUSION: BEA identifies a new concern, in whole or in part, and assessment of the available information indicates further follow up is needed, awaiting resources. Lead and Arsenic background exceedance. Low priority
Organization:	Rhema-Armada Village Real Estate, LLC
Contact:	Rose & Westra, a Division of GZA
Contact Type:	Submitter Contact
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:	22600 NAGEL STREET
Address:	22600 NAGEL STREET
City,State,Zip:	MI 48089
Secondary Address:	Not reported
BEA Number:	Not reported
District:	Not reported
Date Received:	12/09/2016
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:	50500175
Submittal Type:	Baseline Environmental Assessment
Submittal Number:	B201607409LV
Approval Status:	RRD Received
Workflow Status:	Submitted
Date Submitted:	2017-01-09 11:46:08
Date Completed:	Not reported
Township:	Not reported
Work Unit:	Warren
Comments:	BEA Report submitted on CD. Category B2 (Associated ID #s like ITS and Site ID go here.) REVIEW CONCLUSION: BEA identifies a new concern, in whole or in part, and assessment of the available information

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**SMS TECHNICAL SERVICES LLC (Continued)**

**S110364409**

Organization: Rhema-Armada Village Operating, LLC  
Contact: Rose & Wetra, a Division of GZA  
Contact Type: Submitter Contact  
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

indicates further follow up is needed, awaiting resources. Lead and Arsenic background exceedance. Low priority

Name: SMS MODERN HARD CHROME, LLC  
Address: 22600 NAGEL STREET  
City,State,Zip: WARREN, MI 48089  
Secondary Address: Not reported  
BEA Number: 4577  
District: Southeast MI  
Date Received: 09/27/2010  
Submitter Name: SMS Modern Hard Chrome, LLC  
Petition Determination: No Request  
Petition Disclosure: 0  
Category: S  
Determination 20107A: No Request  
Reviewer: ndukwee  
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  
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

**MI NPDES:**

Name: SMS TECHNICAL SERVICE-NAGAL FACILITY  
Address: 22600 NAGEL ST  
City,State,Zip: WARREN, MI 48089  
Permit Number: NEC186898

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**SMS TECHNICAL SERVICES LLC (Continued)**

**S110364409**

Permittee PO Box: Not reported  
Permittee Email: Not reported  
Issue Date: 03/15/2019  
Effective Date: 03/15/2019  
Expiration Date: 03/15/2024  
Permittee Name: Donald Fowler, SMS Technical Services LLC. Warren Division  
Permittee Address: 22600 NAGEL ST  
Permittee Addr2: Not reported  
Permittee City,St,Zip: WARREN, MI 48089  
Permit Type: NPDES Industrial Storm Water No Exposure Certificate (NEC)  
Facility Name 2: Not reported  
Facility Name 3: Not reported  
Facility Name 4: Not reported  
Designed Name: Not reported  
Latitude: 42.45733702179278  
Lat Direction: Not reported  
Lat Type Code: Not reported  
Longitude: -83.00161272361822  
Lon Direction: Not reported  
Lon Type Code: Not reported  
Hydrologic Unit Code: Not reported  
Permit Status: In Effect  
COC Permit Category: Not reported  
DEQ District Email: Warren  
DEQ Permit Compliance Manager: Eric Moore  
DEQ Permit Compliance Manager Email: MooreE12@michigan.gov

**WDS:**

Name: SMS TECHNICAL SERVICES LLC  
Address: 22600 NAGEL ST  
City,State,Zip: WARREN, MI 48089  
Site Id: MID981795834  
WMD Id: 400285  
Site Specific Name: WARREN DIVISION  
Mailing Address: 12880 E 9 MILE RD  
Mailing City/State/Zip: 48089  
Mailing County: MACOMB

**VCP:**

Location ID: 50500175  
Name: 22600 NAGEL STREET  
Address: 22600 NAGEL STREET  
City,State,Zip: MI 48089  
Location Type: Part 201 site  
Township: Not reported  
Work Unit: Warren  
Project Manager: Owens, Paul  
Risk Condition: Risks Not Determined  
Latitude: 42.457701  
Longitude: -83.002172

H32	SMS TECHNICAL SERVICES LLC	RCRA NonGen / NLR	1000216367
NE	22600 NAGEL ST	FINDS	MID981795834
1/8-1/4	WARREN, MI 48089	ECHO	
0.132 mi.			
699 ft.	Site 4 of 4 in cluster H		
Relative:	RCRA Listings:		
Higher	Date Form Received by Agency:	20160308	
	Handler Name:	Sms Technical Services Llc	
	Handler Address:	22600 NAGEL ST	
	Handler City,State,Zip:	WARREN, MI 48089	
	EPA ID:	MID981795834	
	Contact Name:	ALECIA M GERAGHTY	
	Contact Address:	Not reported	
	Contact City,State,Zip:	Not reported	
	Contact Telephone:	586-445-0330	
	Contact Fax:	586-776-6491	
	Contact Email:	ALECIA.GERAGHTY@SMS-GROUP.COM	
	Contact Title:	Not reported	
	EPA Region:	05	
	Land Type:	Private	
	Federal Waste Generator Description:	Not a generator, verified	
	Non-Notifier:	Not reported	
	Biennial Report Cycle:	Not reported	
	Accessibility:	Not reported	
	Active Site Indicator:	Not reported	
	State District Owner:	Not reported	
	State District:	Not reported	
	Mailing Address:	12880 E 9 MILE RD	
	Mailing City,State,Zip:	WARREN, MI 48089	
	Owner Name:	Sms Technical Services Llc	
	Owner Type:	Private	
	Operator Name:	Sms Technical Services Llc	
	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	
	Universal Waste Destination Facility:	No	
	Federal Universal Waste:	No	
	Active Site State-Reg Handler:	---	
	Federal Facility Indicator:	Not reported	
	Hazardous Secondary Material Indicator:	NN	
	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:	No	
	Corrective Action Priority Ranking:	No NCAPS ranking	
	Environmental Control Indicator:	No	
	Institutional Control Indicator:	No	

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**SMS TECHNICAL SERVICES LLC (Continued)**

**1000216367**

Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
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:	20160406
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:	Not reported
Manifest Broker:	Not reported
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:	CHARLES NICHOLL
Legal Status:	Private
Date Became Current:	19920630
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:	CHARLES NICHOLL
Legal Status:	Private
Date Became Current:	19920630
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:	CHARLES NICHOLL
Legal Status:	Private
Date Became Current:	19920630
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

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**SMS TECHNICAL SERVICES LLC (Continued)**

**1000216367**

Owner/Operator Email: Not reported

Owner/Operator Indicator: Owner

Owner/Operator Name: CHARLES NICHOLL

Legal Status: Private

Date Became Current: 19920630

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: CHARLES NICHOLL

Legal Status: Private

Date Became Current: 19920630

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: SMS TECHNICAL SERVICES LLC

Legal Status: Private

Date Became Current: 20150901

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: CHARLES NICHOLL

Legal Status: Private

Date Became Current: 19920630

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: SMS TECHNICAL SERVICES LLC

Legal Status: Private

Date Became Current: 20150901

Date Ended Current: Not reported

Owner/Operator Address: Not reported

Owner/Operator City,State,Zip: Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**SMS TECHNICAL SERVICES LLC (Continued)**

**1000216367**

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: CHARLES NICHOLL  
Legal Status: Private  
Date Became Current: 19920630  
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: CHARLES NICHOLL  
Legal Status: Private  
Date Became Current: 19920630  
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: 20080812  
Handler Name: MODERN HARD CHROME  
Federal Waste Generator Description: 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: No  
Non Storage Recycler Activity: Not reported  
Electronic Manifest Broker: Not reported

Receive Date: 20090617  
Handler Name: MODERN HARD CHROME  
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: 20160308

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**SMS TECHNICAL SERVICES LLC (Continued)**

**1000216367**

Handler Name: SMS TECHNICAL SERVICES LLC  
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: Yes  
Non Storage Recycler Activity: Not reported  
Electronic Manifest Broker: Not reported

Receive Date: 19980917  
Handler Name: MODERN HARD CHROME  
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: 19861201  
Handler Name: MODERN HARD CHROME  
Federal Waste Generator Description: 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: No  
Non Storage Recycler Activity: Not reported  
Electronic Manifest Broker: Not reported

List of NAICS Codes and Descriptions:

NAICS Code: 33271  
NAICS Description: MACHINE SHOPS

NAICS Code: 332710  
NAICS Description: MACHINE SHOPS

Facility Has Received Notices of Violations:

Violations: No Violations Found

Evaluation Action Summary:

Evaluations: No Evaluations Found

FINDS:

Registry ID: 110003623990

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**SMS TECHNICAL SERVICES LLC (Continued)**

**1000216367**

Click Here for FRS Facility Detail Report:

Environmental Interest/Information System:

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

[Click this hyperlink](#) while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

ECHO:

Envid: 1000216367  
Registry ID: 110003623990  
DFR URL: <http://echo.epa.gov/detailed-facility-report?fid=110003623990>  
Name: SMS TECHNICAL SERVICES LLC  
Address: 22600 NAGEL ST  
City,State,Zip: WARREN, MI 48089

**K33  
ESE  
1/8-1/4  
0.144 mi.  
760 ft.**

**RITE WAY TOOL-DIE & MFG INC  
21547 HELLE AVE  
WARREN, MI 48089**

**MI INVENTORY  
MI WDS  
MI VCP**

**S111945919  
N/A**

**Site 1 of 3 in cluster K**

**Relative:  
Higher**

**Actual:  
625 ft.**

INVENTORY:

Name: 21547 HELLE  
Address: 21547 HELLE  
City,State,Zip: MI 48089  
Township: Not reported  
District: Warren  
Data Source: Risks Not Determined  
Lust Name: Not reported  
Regulatory Program: 201  
Release Status: Not reported  
Project Manager: Owens, Paul  
Latitude: 42.4541  
Longitude: -82.9991

WDS:

Name: RITE WAY TOOL-DIE & MFG INC  
Address: 21547 HELLE AVE  
City,State,Zip: WARREN, MI 48089  
Site Id: Not reported  
WMD Id: 415071  
Site Specific Name: RITE WAY TOOL-DIE & MFG INC  
Mailing Address: 21547 HELLE AVE  
Mailing City/State/Zip: 48089  
Mailing County: MACOMB

VCP:

Location ID: 50500164  
Name: 21547 HELLE  
Address: 21547 HELLE  
City,State,Zip: MI 48089

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**RITE WAY TOOL-DIE & MFG INC (Continued)**

**S111945919**

Location Type: Part 201 site  
Township: Not reported  
Work Unit: Warren  
Project Manager: Owens, Paul  
Risk Condition: Risks Not Determined  
Latitude: 42.4541  
Longitude: -82.9991

**K34**      **21547 HELLE**  
**ESE**      **21547 HELLE**  
**1/8-1/4**      **MACOMB (County), MI 48089**  
**0.144 mi.**  
**760 ft.**      **Site 2 of 3 in cluster K**

**MI BEA**      **S127499181**  
                 **N/A**

**Relative:**  
**Higher**  
**Actual:**  
**625 ft.**

BEA:  
Name: 21547 HELLE  
Address: 21547 HELLE  
City,State,Zip: MI 48089  
Secondary Address: Not reported  
BEA Number: Not reported  
District: Not reported  
Date Received: 05/14/2014  
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: 50500164  
Submittal Type: Baseline Environmental Assessment  
Submittal Number: B201405994LV  
Approval Status: RRD Received  
Workflow Status: Submitted  
Date Submitted: 2014-05-14 16:51:33  
Date Completed: Not reported  
Township: Not reported  
Work Unit: Warren  
Comments: box 533 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:  
  
Organization: 21547 Helle, LLC  
Contact: PM Environmental, Inc.  
Contact Type: Submitter Contact  
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

EDR ID Number  
EPA ID Number

L35  
SSW  
1/8-1/4  
0.153 mi.  
809 ft.

CALGON CORP  
21441 HOOVER RD  
WARREN, MI 48089  
  
Site 1 of 8 in cluster L

MI AUL S107696958  
MI BEA N/A  
MI WDS

Relative:  
Higher

Actual:  
625 ft.

AUL:

Name: ENTHONE, INC  
Address: 21441 HOOVER ROAD  
City,State,Zip: WARREN, MI 48088  
Status: Recorded  
Site Name: Not reported  
Property: Enthone, Inc  
Land Use Restriction Type: RC  
Program Type: Part 111  
Program Support Assigned User: Nicholas Swartz  
Program Support Assigned Date: 02/25/2010  
Legal Description Of Property: Migrated  
Based On The Deq Ref #: 11311103004  
MDEQ Reference Number: RC-WHMD-111-03-004  
Property Or Description Restricted Area: Migrated  
Lead Division: WMD  
File Name Of Hyperlinked Legal Doc: U:\\KERMIT\\11311103004.PDF  
Mapped Polygons Area In Acres: 23.372399999999999  
Mapped Polygons Area In Square Miles: 0.0365  
Date Data Entry Started: 03/11/2010  
Date Data Entry Finished: 03/11/2010  
Individual Or Staff Assoc With The Mapping: Nicholas Swartz  
Program Used To Map Restricted Features: ArcInfo 9.3 and IcoMap 4.2  
Date Legal Paperwork Stamped/Filed/Register Of Deeds: 03/07/2003  
Commercial I Land Use Restriction: 0  
Commercial Ii Land Use Restriction: 1  
Commercial Iii Land Use Restriction: 1  
Commercial Iv Land Use Restriction: 1  
Industrial Land Use Restriction: 1  
Residential Land Use Restriction: 0  
Recreational Land Use Restriction: 0  
Multiple Land-Use Restrictions: 0  
Site Specific Restrictions: 1  
Groundwater Consumption Restrictions: 1  
Groundwater Contact Restrictions: 0  
Special Well Construction Requirements: 0  
Special Building Restrictions: 1  
Excavation And Soil Movement Restrictions: 0  
Soil Movement Requirements: 0  
There Is A Restriction On All Construction: 0  
Monitoring Well Protected, No Tampering Or Removal: 0  
There Is An Exposure Barrier In Place: 1  
There Is A Health And Safety Plan: 1  
There Is A Permanent Marker On The Site: 1

Comment: Request received on 8/14/2005; EPA MID No. 056717747; David Slayton  
Map Comments: 20100225 - LRUR is NOT mapped in KERMIT - Nick Ekel 20100311 - LRUR is mapped in KERMIT - Nick Swartz

Name: ISABELLA VENTURES LLC (FORMER ENTHONE OMI)  
Address: 21441 HOOVER ROAD  
City,State,Zip: WARREN, MI 48089  
Status: Recorded  
Site Name: Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**CALGON CORP (Continued)**

**S107696958**

Property:	on-ste
Land Use Restriction Type:	RC
Program Type:	Part 111
Program Support Assigned User:	Nicholas Ekel
Program Support Assigned Date:	10/07/2015
Legal Description Of Property:	Not reported
Based On The Deq Ref #:	11711115009
MDEQ Reference Number:	RC-OWMRP-111-15-009
Property Or Description Restricted Area:	Not reported
Lead Division:	OWMRP
File Name Of Hyperlinked Legal Doc:	U:\\\\KERMIT\\11711115009.PDF
Mapped Polygons Area In Acres:	23.359999999999999
Mapped Polygons Area In Square Miles:	0.0365
Date Data Entry Started:	12/08/2015
Date Data Entry Finished:	12/08/2015
Individual Or Staff Assoc With The Mapping:	Nicholas Ekel
Program Used To Map Restricted Features:	ArcGIS 10.3
Date Legal Paperwork Stamped/Filed/Register Of Deeds:	09/30/2015
Commercial I Land Use Restriction:	0
Commercial Ii Land Use Restriction:	0
Commercial Iii Land Use Restriction:	0
Commercial Iv Land Use Restriction:	0
Industrial Land Use Restriction:	0
Residential Land Use Restriction:	1
Recreational Land Use Restriction:	0
Multiple Land-Use Restrictions:	0
Site Specific Restrictions:	1
Groundwater Consumption Restrictions:	1
Groundwater Contact Restrictions:	0
Special Well Construction Requirements:	0
Special Building Restrictions:	0
Excavation And Soil Movement Restrictions:	0
Soil Movement Requirements:	1
There Is A Restriction On All Construction:	0
Monitoring Well Protected, No Tampering Or Removal:	0
There Is An Exposure Barrier In Place:	1
There Is A Health And Safety Plan:	0
There Is A Permanent Marker On The Site:	0
Comment:	Not reported
Map Comments:	20151007 - LRUR is NOT mapped in KERMIT - Nick Ekel 20151208 - LRUR is mapped in KERMIT - Nick Ekel

**BEA:**

Name:	ENTHONE-OMI, INC. FORMER
Address:	21441 HOOVER ROAD
City,State,Zip:	WARREN, MI 48089
Secondary Address:	Not reported
BEA Number:	1370
District:	Southeast MI
Date Received:	05/04/2001
Submitter Name:	Hoover Properties, L.L.C.
Petition Determination:	No Request
Petition Disclosure:	0
Category:	D
Determination 20107A:	No Request
Reviewer:	ndukwee
Division Assigned:	ERD

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**CALGON CORP (Continued)**

**S107696958**

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:	ENTHONE-OMI, INC. FORMER
Address:	21441 HOOVER ROAD
City,State,Zip:	WARREN, MI 48089
Secondary Address:	Not reported
BEA Number:	1371
District:	Southeast MI
Date Received:	05/07/2001
Submitter Name:	Machining Enterprises, Inc.
Petition Determination:	No Request
Petition Disclosure:	0
Category:	D
Determination 20107A:	No Request
Reviewer:	ndukwee
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

**CALGON CORP (Continued)**

**S107696958**

Contact Zip Code: Not reported  
Contact State: Not reported  
  
Name: ENTHONE-OMI PROPERTY (FORMER)  
Address: 21441 HOOVER ROAD  
City,State,Zip: WARREN, MI 48089  
Secondary Address: Not reported  
BEA Number: 3829  
District: Southeast MI  
Date Received: 03/25/2008  
Submitter Name: NL Ventures VI Hoover, LLC  
Petition Determination: No Request  
Petition Disclosure: 0  
Category: S  
Determination 20107A: No Request  
Reviewer: ndukwee  
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  
Contact Zip Code: Not reported  
Contact State: Not reported

Name: FORMER ENTHONE-OMI, INC.  
Address: 21441 HOOVER ROAD  
City,State,Zip: WARREN, MI 48089  
Secondary Address: Not reported  
BEA Number: 2068  
District: Southeast MI  
Date Received: 07/16/2003  
Submitter Name: Hoover Properties, LLC  
Petition Determination: No Request  
Petition Disclosure: 0  
Category: S  
Determination 20107A: No Request  
Reviewer: ndukwee  
Division Assigned: ERD  
Location ID: Not reported  
Submittal Type: Not reported  
Submittal Number: Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**CALGON CORP (Continued)**

**S107696958**

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:	FORMER ENTHONE-OMI, INC.
Address:	21441 HOOVER ROAD
City,State,Zip:	WARREN, MI 48089
Secondary Address:	Not reported
BEA Number:	2069
District:	Southeast MI
Date Received:	07/16/2003
Submitter Name:	Enterprise Automotive Systems, Inc.
Petition Determination:	No Request
Petition Disclosure:	0
Category:	S
Determination 20107A:	No Request
Reviewer:	ndukwee
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
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

**CALGON CORP (Continued)**

**S107696958**

**WDS:**

Name: CALGON CORP  
Address: 21441 HOOVER RD  
City,State,Zip: WARREN, MI 48089  
Site Id: MID000718692  
WMD Id: 392536  
Site Specific Name: CALGON CORP  
Mailing Address: BOX 1346  
Mailing City/State/Zip: 15230  
Mailing County: Not reported

Name: ENTHONE OMI INC  
Address: 21441 HOOVER RD  
City,State,Zip: WARREN, MI 48089  
Site Id: MID056717747  
WMD Id: 396339  
Site Specific Name: ENTHONE OMI INC  
Mailing Address: 21441 HOOVER RD  
Mailing City/State/Zip: 48089  
Mailing County: MACOMB

**L36**  
**SSW**  
**1/8-1/4**  
**0.153 mi.**  
**809 ft.**

**CALGON CORP**  
**21441 HOOVER RD**  
**WARREN, MI 48089**

**RCRA NonGen / NLR**  
**FINDS**  
**ECHO**

**1000236208**  
**MID000718692**

**Site 2 of 8 in cluster L**

**Relative:**  
**Higher**  
**Actual:**  
**625 ft.**

**RCRA Listings:**

Date Form Received by Agency: 19800818  
Handler Name: Calgon Corp  
Handler Address: 21441 HOOVER RD  
Handler City,State,Zip: WARREN, MI 48089  
EPA ID: MID000718692  
Contact Name: ROBERT BRIGHT  
Contact Address: 21441 HOOVER RD  
Contact City,State,Zip: WARREN, MI 48089  
Contact Telephone: 412-777-8000  
Contact Fax: Not reported  
Contact Email: Not reported  
Contact Title: Not reported  
EPA Region: 05  
Land Type: Private  
Federal Waste Generator Description: Not a generator, verified  
Non-Notifier: Not reported  
Biennial Report Cycle: Not reported  
Accessibility: Not reported  
Active Site Indicator: Not reported  
State District Owner: Not reported  
State District: Not reported  
Mailing Address: BOX 1346  
Mailing City,State,Zip: PITTSBURGH, PA 15230  
Owner Name: Calgon Corp (Mid000718692)  
Owner Type: Private  
Operator Name: Calgon Corp (Mid000718692)  
Operator Type: Private  
Short-Term Generator Activity: No  
Importer Activity: No

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**CALGON CORP (Continued)**

**1000236208**

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
Universal Waste Destination Facility:	No
Federal Universal Waste:	No
Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	NN
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:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
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:	Not reported
Manifest Broker:	Not reported
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:	CALGON CORP (MID000718692)
Legal Status:	Private
Date Became Current:	19700103
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

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**CALGON CORP (Continued)**

**1000236208**

Owner/Operator Indicator: Owner  
Owner/Operator Name: CALGON CORP (MID000718692)  
Legal Status: Private  
Date Became Current: 19700103  
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: CALGON CORP (MID000718692)  
Legal Status: Private  
Date Became Current: 19700103  
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: CALGON CORP (MID000718692)  
Legal Status: Private  
Date Became Current: 19700103  
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: 19800101  
Handler Name: CALGON 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: 19800818  
Handler Name: CALGON 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

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**CALGON CORP (Continued)**

**1000236208**

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

Has the Facility Received Notices of Violations:

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
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:	20210212
Evaluation Responsible Agency:	State
Found Violation:	No
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	Not reported
Evaluation Responsible Sub-Organization:	Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**CALGON CORP (Continued)**

**1000236208**

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

**FINDS:**

Registry ID: 110009595759

[Click Here for FRS Facility Detail Report:](#)

**Environmental Interest/Information System:**

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

[Click this hyperlink](#) while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

**ECHO:**

Envid:	1000236208
Registry ID:	110009595759
DFR URL:	<a href="http://echo.epa.gov/detailed-facility-report?fid=110009595759">http://echo.epa.gov/detailed-facility-report?fid=110009595759</a>
Name:	CALGON CORP
Address:	21441 HOOVER RD
City,State,Zip:	WARREN, MI 48089

**L37**  
**SSW**  
**1/8-1/4**  
**0.153 mi.**  
**809 ft.**

**HOOKER CHEMICAL & PLASTIC CORP ENTHONE**  
**21441 HOOVER RD**  
**WARREN, MI 48089**

**MN MANIFEST** **S119126851**  
**N/A**

**Site 3 of 8 in cluster L**

**Relative:**  
**Higher**

**Actual:**  
**625 ft.**

**MANIFEST:**

Name:	HOOKER CHEMICAL & PLASTIC CORP ENTHONE
Address:	21441 HOOVER RD
City,State,Zip:	WARREN, MI 48089-3161
Manifest ID:	10823
Generator ID:	MID056717747
Generator AI ID:	35371
Transporter 1 ID:	GAD042097261
Transporter 1 AI ID:	34095
Transporter 1 AI Name:	St Joseph Motor Lines
Transporter 1 Address:	PO Box 5
Transporter 1 City:	Atlanta
Transporter 1 State:	GA
Transporter 1 ZIP:	30301-0005
Transporter 2 ID:	Not reported
Transporter 2 AI ID:	Not reported
Transporter 2 AI Name:	Not reported
Transporter 2 Address:	Not reported
Transporter 2 City:	Not reported
Transporter 2 State:	Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**HOOKER CHEMICAL & PLASTIC CORP ENTHONE (Continued)**

**S119126851**

Transporter 2 ZIP: Not reported  
TSD ID: MND981098478  
TSD AI ID: 8214  
TSD AI Name: Evoqua Water Technologies LLC  
TSD Address: 2430 Rose Pl  
TSD City: Roseville  
TSD State: MN  
TSD Zip: 55113  
Gen Copy Recd Date: 10/17/1991 0:00:00  
Fac Copy Recd Date: 1991-09-30 00:00:00  
Gen Ship Date: 1991-09-20 00:00:00  
Trans 1 Recd Date: 1991-09-20 00:00:00  
Trans 2 Recd Date: Not reported  
Tsd Recd Date: 1991-09-20 00:00:00  
Comments: Not reported

**Detail:**

Manifest ID: 10823  
Manifest Row: 1  
Haz Material Name: AMMONIUM BIFLUORIDE  
Haz Class Number: Not reported  
UN NA Number: UN2014  
Packing Group Number: Not reported  
Container Qty: 80  
Container Code: DMPF  
Waste Qty: 4400  
Waste Units Code: AD  
Waste Code List: D008

**L38**  
**SSW**  
**1/8-1/4**  
**0.153 mi.**  
**809 ft.**  
**Relative:**  
**Higher**  
**Actual:**  
**625 ft.**

**ENTHONE OMI INC**  
**21441 HOOVER RD**  
**WARREN, MI 48089**  
**Site 4 of 8 in cluster L**

**SEMS-ARCHIVE**  
**CORRACTS**  
**RCRA-TSDF**  
**US INST CONTROLS**  
**RCRA NonGen / NLR**  
**2020 COR ACTION**  
**ICIS**  
**US AIRS**  
**RI MANIFEST**  
**NY MANIFEST**

**1000120132**  
**MID056717747**

**SEMS Archive:**

Site ID: 0502543  
EPA ID: MID056717747  
Name: HOOKER CHEM & PLASTIC CORP UDYLLITE DIV  
Address: 21441 HOOVER RD  
Address 2: Not reported  
City,State,Zip: WARREN, MI 48089  
Cong District: 18  
FIPS Code: 26099  
FF: N  
NPL: Not on the NPL  
Non NPL Status: NFRAP-Site does not qualify for the NPL based on existing information

**SEMS Archive Detail:**

Region: 05  
Site ID: 0502543  
EPA ID: MID056717747  
Site Name: HOOKER CHEM & PLASTIC CORP UDYLLITE DIV

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**ENTHONE OMI INC (Continued)**

**1000120132**

NPL: N  
FF: N  
OU: 00  
Action Code: VS  
Action Name: ARCH SITE  
SEQ: 1  
Start Date: Not reported  
Finish Date: 1995-10-27 04:00:00  
Qual: Not reported  
Current Action Lead: EPA Perf In-Hse

Region: 05  
Site ID: 0502543  
EPA ID: MID056717747  
Site Name: HOOKER CHEM & PLASTIC CORP UDYLITE DIV  
NPL: N  
FF: N  
OU: 00  
Action Code: DS  
Action Name: DISCVRY  
SEQ: 1  
Start Date: 1979-04-01 05:00:00  
Finish Date: 1979-04-01 05:00:00  
Qual: Not reported  
Current Action Lead: EPA Perf

Region: 05  
Site ID: 0502543  
EPA ID: MID056717747  
Site Name: HOOKER CHEM & PLASTIC CORP UDYLITE DIV  
NPL: N  
FF: N  
OU: 00  
Action Code: HR  
Action Name: HAZRANK  
SEQ: 1  
Start Date: Not reported  
Finish Date: 1986-12-08 05:00:00  
Qual: N  
Current Action Lead: EPA Perf

Region: 05  
Site ID: 0502543  
EPA ID: MID056717747  
Site Name: HOOKER CHEM & PLASTIC CORP UDYLITE DIV  
NPL: N  
FF: N  
OU: 00  
Action Code: SI  
Action Name: SI  
SEQ: 1  
Start Date: Not reported  
Finish Date: 1984-09-01 05:00:00  
Qual: N  
Current Action Lead: EPA Perf

Region: 05

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**ENTHONE OMI INC (Continued)**

**1000120132**

Site ID: 0502543  
EPA ID: MID056717747  
Site Name: HOOKER CHEM & PLASTIC CORP UDYLLITE DIV  
NPL: N  
FF: N  
OU: 00  
Action Code: PA  
Action Name: PA  
SEQ: 1  
Start Date: Not reported  
Finish Date: 1983-05-01 04:00:00  
Qual: L  
Current Action Lead: St Perf

**CORRACTS:**

Name: ENTHONE OMI INC  
Address: 21441 HOOVER RD  
Address 2: Not reported  
EPA ID: MID056717747  
Area Name: ENTIRE FACILITY  
Corrective Action: RFA COMPLETED  
Actual Date: 19890208  
Air Release Indicator: Y  
Groundwater Release Indicator: Not reported  
Soil Release Indicator: N  
Surface Water Release Indicator: N

Name: ENTHONE OMI INC  
Address: 21441 HOOVER RD  
Address 2: Not reported  
EPA ID: MID056717747  
Area Name: ENTIRE FACILITY  
Corrective Action: DETERMINATION OF NEED FOR AN INVESTIGATION-INVESTIGATION IS NECESSARY  
Actual Date: 19890208  
Air Release Indicator: Y  
Groundwater Release Indicator: Not reported  
Soil Release Indicator: N  
Surface Water Release Indicator: N

Name: ENTHONE OMI INC  
Address: 21441 HOOVER RD  
Address 2: Not reported  
EPA ID: MID056717747  
Area Name: ENTIRE FACILITY  
Corrective Action: CA PRIORITIZATION-LOW CA PRIORITY  
Actual Date: 19910927  
Air Release Indicator: Y  
Groundwater Release Indicator: Not reported  
Soil Release Indicator: N  
Surface Water Release Indicator: N

Name: ENTHONE OMI INC  
Address: 21441 HOOVER RD  
Address 2: Not reported  
EPA ID: MID056717747  
Area Name: FOUNDRY SAND

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**ENTHONE OMI INC (Continued)**

**1000120132**

Corrective Action: RFI IMPOSITION-FOCUSED DATA COLLECTION REQ STAB EVAL  
Actual Date: 19890927  
Air Release Indicator: Y  
Groundwater Release Indicator: Y  
Soil Release Indicator: Y  
Surface Water Release Indicator: Y

Name: ENTHONE OMI INC  
Address: 21441 HOOVER RD  
Address 2: Not reported  
EPA ID: MID056717747  
Area Name: FOUNDRY SAND  
Corrective Action: INVESTIGATION WORKPLAN RECEIVED  
Actual Date: 19900125  
Air Release Indicator: Y  
Groundwater Release Indicator: Y  
Soil Release Indicator: Y  
Surface Water Release Indicator: Y

Name: ENTHONE OMI INC  
Address: 21441 HOOVER RD  
Address 2: Not reported  
EPA ID: MID056717747  
Area Name: FOUNDRY SAND  
Corrective Action: INVESTIGATION WORKPLAN NOTICE OF DEFICIENCY ISSUED  
Actual Date: 19900125  
Air Release Indicator: Y  
Groundwater Release Indicator: Y  
Soil Release Indicator: Y  
Surface Water Release Indicator: Y

Name: ENTHONE OMI INC  
Address: 21441 HOOVER RD  
Address 2: Not reported  
EPA ID: MID056717747  
Area Name: FOUNDRY SAND  
Corrective Action: INVESTIGATION WORKPLAN APPROVED  
Actual Date: Not reported  
Air Release Indicator: Y  
Groundwater Release Indicator: Y  
Soil Release Indicator: Y  
Surface Water Release Indicator: Y

Name: ENTHONE OMI INC  
Address: 21441 HOOVER RD  
Address 2: Not reported  
EPA ID: MID056717747  
Area Name: FOUNDRY SAND  
Corrective Action: INVESTIGATION SUPPLEMENTAL INFO REQ BY AGENCY  
Actual Date: 19910612  
Air Release Indicator: Y  
Groundwater Release Indicator: Y  
Soil Release Indicator: Y  
Surface Water Release Indicator: Y

Name: ENTHONE OMI INC  
Address: 21441 HOOVER RD

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**ENTHONE OMI INC (Continued)**

**1000120132**

Address 2: Not reported  
EPA ID: MID056717747  
Area Name: FOUNDRY SAND  
Corrective Action: INVESTIGATION COMPLETE  
Actual Date: Not reported  
Air Release Indicator: Y  
Groundwater Release Indicator: Y  
Soil Release Indicator: Y  
Surface Water Release Indicator: Y

Name: ENTHONE OMI INC  
Address: 21441 HOOVER RD  
Address 2: Not reported  
EPA ID: MID056717747  
Area Name: FOUNDRY SAND  
Corrective Action: REMEDY DECISION  
Actual Date: Not reported  
Air Release Indicator: Y  
Groundwater Release Indicator: Y  
Soil Release Indicator: Y  
Surface Water Release Indicator: Y

Name: ENTHONE OMI INC  
Address: 21441 HOOVER RD  
Address 2: Not reported  
EPA ID: MID056717747  
Area Name: FOUNDRY SAND  
Corrective Action: CMI WORKPLAN APPROVED  
Actual Date: Not reported  
Air Release Indicator: Y  
Groundwater Release Indicator: Y  
Soil Release Indicator: Y  
Surface Water Release Indicator: Y

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

**RCRA TSDF:**

Treatment Storage and Disposal Type:	Storage
Full Enforcement Universe:	Not reported
Corrective Action Workload Universe:	Yes
Permit Renewals Workload Universe:	Not reported
Permit Workload Universe:	Not reported
Permit Progress Universe:	Storage
Post-Closure Workload Universe:	Not reported
Closure Workload Universe:	Not reported
Operating TSDF Universe:	Not reported
Commercial TSD Indicator:	No
Active Site Fed-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site Converter Treatment storage and Disposal Facility:	Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:	Not reported
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:	No
TSDFs Only Subject to CA under Discretionary Auth Universe:	Yes

**US INST CONTROLS:**

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**ENTHONE OMI INC (Continued)**

**1000120132**

Name: ENTHONE OMI INC  
Address: 21441 HOOVER RD  
Address 2: Not reported  
City,State,Zip: WARREN, MI 48089  
EPA ID: MID056717747  
Action Name: Not reported  
Action ID: Not reported  
Operable Unit: Not reported  
Actual Date: Not reported  
Contaminated Media: Not reported  
Event Code: CA772ID  
Contact Name: NICK GEISZ  
Contact Telephone: 810-497-6801  
Event: INSTITUTIONAL CONTROLS ESTABLISHED-INFORMATIONAL DEVICE  
Federal Facility: Not reported  
Fiscal Year: Not reported  
NPL Status: Not reported  
Superfund Alternative Agreement: Not reported  
Latitude: Not reported  
Longitude: Not reported

**RCRA Listings:**

Date Form Received by Agency: 20021231  
Handler Name: Enthone Omi Inc  
Handler Address: 21441 HOOVER RD  
Handler City,State,Zip: WARREN, MI 48089  
EPA ID: MID056717747  
Contact Name: NICK GEISZ  
Contact Address: 21441 HOOVER RD  
Contact City,State,Zip: WARREN, MI 48089  
Contact Telephone: 810-497-6801  
Contact Fax: Not reported  
Contact Email: Not reported  
Contact Title: Not reported  
EPA Region: 05  
Land Type: Other  
Federal Waste Generator Description: Not a generator, verified  
Non-Notifier: Not reported  
Biennial Report Cycle: Not reported  
Accessibility: Not reported  
Active Site Indicator: Corrective Action Activities  
State District Owner: Not reported  
State District: Not reported  
Mailing Address: 21441 HOOVER RD  
Mailing City,State,Zip: WARREN, MI 48089  
Owner Name: No Active O/Op As Not Generating Waste  
Owner Type: Private  
Operator Name: No Active O/Op As Not Generating Waste  
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

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MAP FINDINGS

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**ENTHONE OMI INC (Continued)**

**1000120132**

Underground Injection Control:	No
Off-Site Waste Receipt:	No
Universal Waste Indicator:	No
Universal Waste Destination Facility:	No
Federal Universal Waste:	No
Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	NN
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:	Yes
Subject to Corrective Action Universe:	Yes
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
Corrective Action Priority Ranking:	Low
Environmental Control Indicator:	No
Institutional Control Indicator:	Yes
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:	Not reported
Manifest Broker:	Not reported
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:	NO ACTIVE O/OP AS NOT GENERATING WASTE
Legal Status:	Private
Date Became Current:	20030101
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:	NO ACTIVE O/OP AS NOT GENERATING WASTE
Legal Status:	Private
Date Became Current:	20030101
Date Ended Current:	Not reported

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**ENTHONE OMI INC (Continued)**

**1000120132**

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: NO ACTIVE O/OP AS NOT GENERATING WASTE  
Legal Status: Private  
Date Became Current: 20030101  
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: NO ACTIVE O/OP AS NOT GENERATING WASTE  
Legal Status: Private  
Date Became Current: 20030101  
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: NO ACTIVE O/OP AS NOT GENERATING WASTE  
Legal Status: Private  
Date Became Current: 20030101  
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: NO ACTIVE O/OP AS NOT GENERATING WASTE  
Legal Status: Private  
Date Became Current: 20030101  
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: NO ACTIVE O/OP AS NOT GENERATING WASTE

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**ENTHONE OMI INC (Continued)**

**1000120132**

Legal Status: Private  
Date Became Current: 20030101  
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: NO ACTIVE O/OP AS NOT GENERATING WASTE  
Legal Status: Private  
Date Became Current: 20030101  
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: NO ACTIVE O/OP AS NOT GENERATING WASTE  
Legal Status: Private  
Date Became Current: 20030101  
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: NO ACTIVE O/OP AS NOT GENERATING WASTE  
Legal Status: Private  
Date Became Current: 20030101  
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: 19801107  
Handler Name: ENTHONE OMI INC  
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

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**ENTHONE OMI INC (Continued)**

**1000120132**

Non Storage Recycler Activity:	Not reported
Electronic Manifest Broker:	Not reported
Receive Date:	20011230
Handler Name:	ENTHONE OMI INC
Federal Waste Generator Description:	Large 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:	No
Non Storage Recycler Activity:	Not reported
Electronic Manifest Broker:	Not reported
Receive Date:	20021231
Handler Name:	ENTHONE OMI INC
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:	Yes
Non Storage Recycler Activity:	Not reported
Electronic Manifest Broker:	Not reported
Receive Date:	19800818
Handler Name:	ENTHONE OMI INC
Federal Waste Generator Description:	Large 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:	No
Non Storage Recycler Activity:	Not reported
Electronic Manifest Broker:	Not reported
Receive Date:	20000229
Handler Name:	ENTHONE OMI INC
Federal Waste Generator Description:	Large 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:	No
Non Storage Recycler Activity:	Not reported
Electronic Manifest Broker:	Not reported
Receive Date:	19900223
Handler Name:	OMI INTERNATIONAL CORP/UDYLITE SEL-REX

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**ENTHONE OMI INC (Continued)**

**1000120132**

Federal Waste Generator Description: Large 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: No  
Non Storage Recycler Activity: Not reported  
Electronic Manifest Broker: Not reported

Receive Date: 19920224  
Handler Name: ENTHONE-OMI INC.  
Federal Waste Generator Description: Large 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: No  
Non Storage Recycler Activity: Not reported  
Electronic Manifest Broker: Not reported

Receive Date: 19940225  
Handler Name: ENTHONE-OMI INCORPORATED  
Federal Waste Generator Description: Large 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: No  
Non Storage Recycler Activity: Not reported  
Electronic Manifest Broker: Not reported

Receive Date: 19960226  
Handler Name: ENTHONE-OMI INC.  
Federal Waste Generator Description: Large 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: No  
Non Storage Recycler Activity: Not reported  
Electronic Manifest Broker: Not reported

Receive Date: 19980226  
Handler Name: ENTHONE-OMI INC.  
Federal Waste Generator Description: Large Quantity Generator  
State District Owner: Not reported  
Large Quantity Handler of Universal Waste: No  
Recognized Trader Importer: No  
Recognized Trader Exporter: No

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**ENTHONE OMI INC (Continued)**

**1000120132**

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:	20000228
Handler Name:	ENTHONE OMI INC
Federal Waste Generator Description:	Large 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:	No
Non Storage Recycler Activity:	Not reported
Electronic Manifest Broker:	Not reported

List of NAICS Codes and Descriptions:

NAICS Code:	325998
NAICS Description:	ALL OTHER MISCELLANEOUS CHEMICAL PRODUCT AND PREPARATION MANUFACTURING
NAICS Code:	332212
NAICS Description:	HAND AND EDGE TOOL MANUFACTURING

Has the Facility Received Notices of Violations:

Found Violation:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	LDR - General
Date Violation was Determined:	19920129
Actual Return to Compliance Date:	19920303
Return to Compliance Qualifier:	Observed
Violation Responsible Agency:	State
Scheduled Compliance Date:	19920212
Enforcement Identifier:	005
Date of Enforcement Action:	19920129
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:	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

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**ENTHONE OMI INC (Continued)**

**1000120132**

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  
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: 20000405  
Actual Return to Compliance Date: 20000608  
Return to Compliance Qualifier: Observed  
Violation Responsible Agency: State  
Scheduled Compliance Date: 20000505  
Enforcement Identifier: 019  
Date of Enforcement Action: 20000405

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**ENTHONE OMI INC (Continued)**

**1000120132**

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:	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

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**ENTHONE OMI INC (Continued)**

**1000120132**

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:	TSD - Financial Requirements
Date Violation was Determined:	19910522
Actual Return to Compliance Date:	19910627
Return to Compliance Qualifier:	Observed
Violation Responsible Agency:	State
Scheduled Compliance Date:	19910607
Enforcement Identifier:	004
Date of Enforcement Action:	19910522
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:	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:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	TSD - Manifest/Records/Reporting
Date Violation was Determined:	20001204
Actual Return to Compliance Date:	20010131
Return to Compliance Qualifier:	Documented
Violation Responsible Agency:	State
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	001
Date of Enforcement Action:	20001204

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**ENTHONE OMI INC (Continued)**

**1000120132**

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:	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:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	TSD - Financial Requirements
Date Violation was Determined:	19930329
Actual Return to Compliance Date:	19930621
Return to Compliance Qualifier:	Observed
Violation Responsible Agency:	State
Scheduled Compliance Date:	19930416
Enforcement Identifier:	006
Date of Enforcement Action:	19930329
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:	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

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**ENTHONE OMI INC (Continued)**

**1000120132**

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:	19970109
Actual Return to Compliance Date:	19970210
Return to Compliance Qualifier:	Observed
Violation Responsible Agency:	State
Scheduled Compliance Date:	19970207
Enforcement Identifier:	013
Date of Enforcement Action:	19970109
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:	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:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	Generators - Pre-transport
Date Violation was Determined:	19980812
Actual Return to Compliance Date:	19980916
Return to Compliance Qualifier:	Observed
Violation Responsible Agency:	State
Scheduled Compliance Date:	19980911
Enforcement Identifier:	016
Date of Enforcement Action:	19980812

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**ENTHONE OMI INC (Continued)**

**1000120132**

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:	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

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**ENTHONE OMI INC (Continued)**

**1000120132**

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: 19940105  
Actual Return to Compliance Date: 19940203  
Return to Compliance Qualifier: Observed  
Violation Responsible Agency: State  
Scheduled Compliance Date: 19940204  
Enforcement Identifier: 007  
Date of Enforcement Action: 19940110  
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: 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: Yes  
Agency Which Determined Violation: State  
Violation Short Description: Generators - Pre-transport  
Date Violation was Determined: 19990817  
Actual Return to Compliance Date: 19991104  
Return to Compliance Qualifier: Observed  
Violation Responsible Agency: State  
Scheduled Compliance Date: 19990917  
Enforcement Identifier: 018  
Date of Enforcement Action: 19990817

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**ENTHONE OMI INC (Continued)**

**1000120132**

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:	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:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	TSD - General
Date Violation was Determined:	19950328
Actual Return to Compliance Date:	19950615
Return to Compliance Qualifier:	Observed
Violation Responsible Agency:	State
Scheduled Compliance Date:	19950424
Enforcement Identifier:	010
Date of Enforcement Action:	19950328
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:	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

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**ENTHONE OMI INC (Continued)**

**1000120132**

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  
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: 19980127  
Actual Return to Compliance Date: 19980402  
Return to Compliance Qualifier: Observed  
Violation Responsible Agency: State  
Scheduled Compliance Date: 19980227  
Enforcement Identifier: 015  
Date of Enforcement Action: 19980127

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**ENTHONE OMI INC (Continued)**

**1000120132**

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:	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:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	TSD - General
Date Violation was Determined:	19910516
Actual Return to Compliance Date:	19910611
Return to Compliance Qualifier:	Observed
Violation Responsible Agency:	State
Scheduled Compliance Date:	19910607
Enforcement Identifier:	004
Date of Enforcement Action:	19910522
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:	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

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**ENTHONE OMI INC (Continued)**

**1000120132**

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 - Records/Reporting
Date Violation was Determined:	19960719
Actual Return to Compliance Date:	19960719
Return to Compliance Qualifier:	Observed
Violation Responsible Agency:	State
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	012
Date of Enforcement Action:	19960719
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:	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:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	TSD - Financial Requirements
Date Violation was Determined:	19890707
Actual Return to Compliance Date:	19891019
Return to Compliance Qualifier:	Observed
Violation Responsible Agency:	State
Scheduled Compliance Date:	19890814
Enforcement Identifier:	002
Date of Enforcement Action:	19890714

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**ENTHONE OMI INC (Continued)**

**1000120132**

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:	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:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	Generators - Pre-transport
Date Violation was Determined:	19970730
Actual Return to Compliance Date:	19970930
Return to Compliance Qualifier:	Observed
Violation Responsible Agency:	State
Scheduled Compliance Date:	19970901
Enforcement Identifier:	014
Date of Enforcement Action:	19970730
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:	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

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**ENTHONE OMI INC (Continued)**

**1000120132**

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:	TSD - Closure/Post-Closure
Date Violation was Determined:	19970730
Actual Return to Compliance Date:	19970930
Return to Compliance Qualifier:	Observed
Violation Responsible Agency:	State
Scheduled Compliance Date:	19970901
Enforcement Identifier:	014
Date of Enforcement Action:	19970730
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:	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:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	Generators - Pre-transport
Date Violation was Determined:	19990216
Actual Return to Compliance Date:	19990324
Return to Compliance Qualifier:	Observed
Violation Responsible Agency:	State
Scheduled Compliance Date:	19990319
Enforcement Identifier:	017
Date of Enforcement Action:	19990216

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**ENTHONE OMI INC (Continued)**

**1000120132**

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:	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:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	TSD - General
Date Violation was Determined:	19890707
Actual Return to Compliance Date:	19890901
Return to Compliance Qualifier:	Observed
Violation Responsible Agency:	State
Scheduled Compliance Date:	19890814
Enforcement Identifier:	002
Date of Enforcement Action:	19890714
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:	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

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**ENTHONE OMI INC (Continued)**

**1000120132**

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  
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: Universal Waste - Small Quantity Handlers  
Date Violation was Determined: 19990216  
Actual Return to Compliance Date: 19990324  
Return to Compliance Qualifier: Observed  
Violation Responsible Agency: State  
Scheduled Compliance Date: 19990319  
Enforcement Identifier: 017  
Date of Enforcement Action: 19990216

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**ENTHONE OMI INC (Continued)**

**1000120132**

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:	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:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	Generators - Manifest
Date Violation was Determined:	19940803
Actual Return to Compliance Date:	19941014
Return to Compliance Qualifier:	Observed
Violation Responsible Agency:	State
Scheduled Compliance Date:	19940902
Enforcement Identifier:	009
Date of Enforcement Action:	19940803
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:	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

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**ENTHONE OMI INC (Continued)**

**1000120132**

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  
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: 19980812  
Actual Return to Compliance Date: 19980916  
Return to Compliance Qualifier: Observed  
Violation Responsible Agency: State  
Scheduled Compliance Date: 19980911  
Enforcement Identifier: 016  
Date of Enforcement Action: 19980812

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**ENTHONE OMI INC (Continued)**

**1000120132**

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:	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:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	Generators - General
Date Violation was Determined:	19940803
Actual Return to Compliance Date:	19941014
Return to Compliance Qualifier:	Observed
Violation Responsible Agency:	State
Scheduled Compliance Date:	19940902
Enforcement Identifier:	009
Date of Enforcement Action:	19940803
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:	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

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**ENTHONE OMI INC (Continued)**

**1000120132**

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:	TSD - Container Use and Management
Date Violation was Determined:	19990817
Actual Return to Compliance Date:	19991104
Return to Compliance Qualifier:	Observed
Violation Responsible Agency:	State
Scheduled Compliance Date:	19990917
Enforcement Identifier:	018
Date of Enforcement Action:	19990817
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:	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:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	Generators - General
Date Violation was Determined:	19950328
Actual Return to Compliance Date:	19950615
Return to Compliance Qualifier:	Observed
Violation Responsible Agency:	State
Scheduled Compliance Date:	19950424
Enforcement Identifier:	010
Date of Enforcement Action:	19950328

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**ENTHONE OMI INC (Continued)**

**1000120132**

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:	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

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**ENTHONE OMI INC (Continued)**

**1000120132**

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  
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 - Manifest  
Date Violation was Determined: 19980127  
Actual Return to Compliance Date: 19980402  
Return to Compliance Qualifier: Observed  
Violation Responsible Agency: State  
Scheduled Compliance Date: 19980227  
Enforcement Identifier: 015  
Date of Enforcement Action: 19980127

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**ENTHONE OMI INC (Continued)**

**1000120132**

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:	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:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	TSD - General Facility Standards
Date Violation was Determined:	19980127
Actual Return to Compliance Date:	19980402
Return to Compliance Qualifier:	Observed
Violation Responsible Agency:	State
Scheduled Compliance Date:	19980227
Enforcement Identifier:	015
Date of Enforcement Action:	19980127
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:	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

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**ENTHONE OMI INC (Continued)**

**1000120132**

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:	Universal Waste - Small Quantity Handlers
Date Violation was Determined:	20000928
Actual Return to Compliance Date:	20001109
Return to Compliance Qualifier:	Documented
Violation Responsible Agency:	State
Scheduled Compliance Date:	20001027
Enforcement Identifier:	001
Date of Enforcement Action:	20000928
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:	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

Map ID  
Direction  
Distance  
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MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**ENTHONE OMI INC (Continued)**

**1000120132**

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
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

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**ENTHONE OMI INC (Continued)**

**1000120132**

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:	TSD - General
Date Violation was Determined:	19880427
Actual Return to Compliance Date:	19880622
Return to Compliance Qualifier:	Observed
Violation Responsible Agency:	State
Scheduled Compliance Date:	19880606
Enforcement Identifier:	001
Date of Enforcement Action:	19880505
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:	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

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**ENTHONE OMI INC (Continued)**

**1000120132**

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
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:	TSD - Manifest/Records/Reporting
Date Violation was Determined:	20000405
Actual Return to Compliance Date:	20000608
Return to Compliance Qualifier:	Observed
Violation Responsible Agency:	State
Scheduled Compliance Date:	20000505
Enforcement Identifier:	019
Date of Enforcement Action:	20000405
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:	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

Map ID  
Direction  
Distance  
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MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**ENTHONE OMI INC (Continued)**

**1000120132**

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:	TSD - Manifest/Records/Reporting
Date Violation was Determined:	19990817
Actual Return to Compliance Date:	19991104
Return to Compliance Qualifier:	Observed
Violation Responsible Agency:	State
Scheduled Compliance Date:	19990917
Enforcement Identifier:	018
Date of Enforcement Action:	19990817
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:	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

Map ID  
Direction  
Distance  
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MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**ENTHONE OMI INC (Continued)**

**1000120132**

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
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:	TSD - Contingency Plan and Emergency Procedures
Date Violation was Determined:	19950328
Actual Return to Compliance Date:	19950615
Return to Compliance Qualifier:	Observed
Violation Responsible Agency:	State
Scheduled Compliance Date:	19950424
Enforcement Identifier:	010
Date of Enforcement Action:	19950328
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:	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

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**ENTHONE OMI INC (Continued)**

**1000120132**

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:	TSD - Manifest/Records/Reporting
Date Violation was Determined:	19960321
Actual Return to Compliance Date:	19960610
Return to Compliance Qualifier:	Observed
Violation Responsible Agency:	State
Scheduled Compliance Date:	19960426
Enforcement Identifier:	011
Date of Enforcement Action:	19960321
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:	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:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	TSD - Closure/Post-Closure
Date Violation was Determined:	20000405
Actual Return to Compliance Date:	20000608
Return to Compliance Qualifier:	Observed
Violation Responsible Agency:	State
Scheduled Compliance Date:	20000505
Enforcement Identifier:	019
Date of Enforcement Action:	20000405

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**ENTHONE OMI INC (Continued)**

**1000120132**

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:	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:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	LDR - General
Date Violation was Determined:	19990216
Actual Return to Compliance Date:	19990324
Return to Compliance Qualifier:	Observed
Violation Responsible Agency:	State
Scheduled Compliance Date:	19990319
Enforcement Identifier:	017
Date of Enforcement Action:	19990216
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:	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

Map ID  
Direction  
Distance  
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MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**ENTHONE OMI INC (Continued)**

**1000120132**

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  
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

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**ENTHONE OMI INC (Continued)**

**1000120132**

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
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

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**ENTHONE OMI INC (Continued)**

**1000120132**

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  
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: TSD - General  
Date Violation was Determined: 19910516  
Actual Return to Compliance Date: 19910611  
Return to Compliance Qualifier: Observed  
Violation Responsible Agency: State  
Scheduled Compliance Date: 19910607  
Enforcement Identifier: 004  
Date of Enforcement Action: 19910522

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**ENTHONE OMI INC (Continued)**

**1000120132**

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:	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:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	Generators - Pre-transport
Date Violation was Determined:	19970730
Actual Return to Compliance Date:	19970930
Return to Compliance Qualifier:	Observed
Violation Responsible Agency:	State
Scheduled Compliance Date:	19970901
Enforcement Identifier:	014
Date of Enforcement Action:	19970730
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:	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

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**ENTHONE OMI INC (Continued)**

**1000120132**

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  
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: TSD - General Facility Standards  
Date Violation was Determined: 19990817  
Actual Return to Compliance Date: 19991104  
Return to Compliance Qualifier: Observed  
Violation Responsible Agency: State  
Scheduled Compliance Date: 19990917  
Enforcement Identifier: 018  
Date of Enforcement Action: 19990817

Map ID  
Direction  
Distance  
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MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**ENTHONE OMI INC (Continued)**

**1000120132**

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:	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:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	Universal Waste - Small Quantity Handlers
Date Violation was Determined:	19990817
Actual Return to Compliance Date:	19991104
Return to Compliance Qualifier:	Observed
Violation Responsible Agency:	State
Scheduled Compliance Date:	19990917
Enforcement Identifier:	018
Date of Enforcement Action:	19990817
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:	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

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**ENTHONE OMI INC (Continued)**

**1000120132**

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:	19920129
Actual Return to Compliance Date:	19920303
Return to Compliance Qualifier:	Observed
Violation Responsible Agency:	State
Scheduled Compliance Date:	19920212
Enforcement Identifier:	005
Date of Enforcement Action:	19920129
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:	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

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**ENTHONE OMI INC (Continued)**

**1000120132**

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
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:	TSD - Financial Requirements
Date Violation was Determined:	19940331
Actual Return to Compliance Date:	19940429
Return to Compliance Qualifier:	Observed
Violation Responsible Agency:	State
Scheduled Compliance Date:	19940415
Enforcement Identifier:	008
Date of Enforcement Action:	19940331
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:	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

Map ID  
Direction  
Distance  
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MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**ENTHONE OMI INC (Continued)**

**1000120132**

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 - Manifest
Date Violation was Determined:	19950328
Actual Return to Compliance Date:	19950615
Return to Compliance Qualifier:	Observed
Violation Responsible Agency:	State
Scheduled Compliance Date:	19950428
Enforcement Identifier:	010
Date of Enforcement Action:	19950328
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:	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

Evaluation Action Summary:	
Evaluation Date:	19920121
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	Not reported
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	19920303
Scheduled Compliance Date:	19920212
Date of Request:	Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**ENTHONE OMI INC (Continued)**

**1000120132**

Date Response Received: Not reported  
Request Agency: Not reported  
Former Citation: Not reported

Evaluation Date: 19980417  
Evaluation Responsible Agency: State  
Found Violation: No  
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: 20000330  
Evaluation Responsible Agency: State  
Found Violation: Yes  
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION ON-SITE  
Evaluation Responsible Person Identifier: Not reported  
Evaluation Responsible Sub-Organization: Not reported  
Actual Return to Compliance Date: 20000608  
Scheduled Compliance Date: 20000505  
Date of Request: Not reported  
Date Response Received: Not reported  
Request Agency: Not reported  
Former Citation: Not reported

Evaluation Date: 20210212  
Evaluation Responsible Agency: State  
Found Violation: No  
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION ON-SITE  
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: 19910522  
Evaluation Responsible Agency: State  
Found Violation: Yes  
Evaluation Type Description: FINANCIAL RECORD REVIEW  
Evaluation Responsible Person Identifier: Not reported  
Evaluation Responsible Sub-Organization: Not reported  
Actual Return to Compliance Date: 19910627  
Scheduled Compliance Date: 19910607  
Date of Request: Not reported  
Date Response Received: Not reported  
Request Agency: Not reported  
Former Citation: Not reported

Evaluation Date: 20001129

Map ID  
Direction  
Distance  
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MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**ENTHONE OMI INC (Continued)**

**1000120132**

Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	Not reported
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	20010131
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:	19930329
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	FINANCIAL RECORD REVIEW
Evaluation Responsible Person Identifier:	Not reported
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	19930621
Scheduled Compliance Date:	19930416
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	19970108
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	Not reported
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	19970210
Scheduled Compliance Date:	19970207
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	19980810
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	Not reported
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	19980916
Scheduled Compliance Date:	19980911
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	20010604
Evaluation Responsible Agency:	State
Found Violation:	No
Evaluation Type Description:	FINANCIAL RECORD REVIEW
Evaluation Responsible Person Identifier:	Not reported
Evaluation Responsible Sub-Organization:	Not reported

Map ID  
Direction  
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MAP FINDINGS

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Database(s)

EDR ID Number  
EPA ID Number

**ENTHONE OMI INC (Continued)**

**1000120132**

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: 19940105  
Evaluation Responsible Agency: State  
Found Violation: Yes  
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION ON-SITE  
Evaluation Responsible Person Identifier: Not reported  
Evaluation Responsible Sub-Organization: Not reported  
Actual Return to Compliance Date: 19940203  
Scheduled Compliance Date: 19940204  
Date of Request: Not reported  
Date Response Received: Not reported  
Request Agency: Not reported  
Former Citation: Not reported

Evaluation Date: 19990811  
Evaluation Responsible Agency: State  
Found Violation: Yes  
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION ON-SITE  
Evaluation Responsible Person Identifier: Not reported  
Evaluation Responsible Sub-Organization: Not reported  
Actual Return to Compliance Date: 19991104  
Scheduled Compliance Date: 19990917  
Date of Request: Not reported  
Date Response Received: Not reported  
Request Agency: Not reported  
Former Citation: Not reported

Evaluation Date: 19950324  
Evaluation Responsible Agency: State  
Found Violation: Yes  
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION ON-SITE  
Evaluation Responsible Person Identifier: Not reported  
Evaluation Responsible Sub-Organization: Not reported  
Actual Return to Compliance Date: 19950615  
Scheduled Compliance Date: 19950424  
Date of Request: Not reported  
Date Response Received: Not reported  
Request Agency: Not reported  
Former Citation: Not reported

Evaluation Date: 20000406  
Evaluation Responsible Agency: State  
Found Violation: No  
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

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

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Database(s)

EDR ID Number  
EPA ID Number

**ENTHONE OMI INC (Continued)**

**1000120132**

Former Citation:	Not reported
Evaluation Date:	19980115
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	Not reported
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	19980402
Scheduled Compliance Date:	19980227
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	19910516
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	Not reported
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	19910611
Scheduled Compliance Date:	19910607
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	19960716
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	Not reported
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	19960719
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:	19890707
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	FINANCIAL RECORD REVIEW
Evaluation Responsible Person Identifier:	Not reported
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	19891019
Scheduled Compliance Date:	19890814
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	19970714
Evaluation Responsible Agency:	State
Found Violation:	Yes

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**ENTHONE OMI INC (Continued)**

**1000120132**

Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	Not reported
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	19970930
Scheduled Compliance Date:	19970901
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	19970714
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	Not reported
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	19970930
Scheduled Compliance Date:	19970901
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	19990209
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	Not reported
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	19990324
Scheduled Compliance Date:	19990319
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	19890707
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	Not reported
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	19890901
Scheduled Compliance Date:	19890814
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	19950418
Evaluation Responsible Agency:	State
Found Violation:	No
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

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**ENTHONE OMI INC (Continued)**

**1000120132**

Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	19990209
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	Not reported
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	19990324
Scheduled Compliance Date:	19990319
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	19940802
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	Not reported
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	19941014
Scheduled Compliance Date:	19940902
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	19910730
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:	19980810
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	Not reported
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	19980916
Scheduled Compliance Date:	19980911
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

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Database(s)

EDR ID Number  
EPA ID Number

**ENTHONE OMI INC (Continued)**

**1000120132**

Evaluation Date: 19940802  
Evaluation Responsible Agency: State  
Found Violation: Yes  
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION ON-SITE  
Evaluation Responsible Person Identifier: Not reported  
Evaluation Responsible Sub-Organization: Not reported  
Actual Return to Compliance Date: 19941014  
Scheduled Compliance Date: 19940902  
Date of Request: Not reported  
Date Response Received: Not reported  
Request Agency: Not reported  
Former Citation: Not reported

Evaluation Date: 19990811  
Evaluation Responsible Agency: State  
Found Violation: Yes  
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION ON-SITE  
Evaluation Responsible Person Identifier: Not reported  
Evaluation Responsible Sub-Organization: Not reported  
Actual Return to Compliance Date: 19991104  
Scheduled Compliance Date: 19990917  
Date of Request: Not reported  
Date Response Received: Not reported  
Request Agency: Not reported  
Former Citation: Not reported

Evaluation Date: 19950324  
Evaluation Responsible Agency: State  
Found Violation: Yes  
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION ON-SITE  
Evaluation Responsible Person Identifier: Not reported  
Evaluation Responsible Sub-Organization: Not reported  
Actual Return to Compliance Date: 19950615  
Scheduled Compliance Date: 19950424  
Date of Request: Not reported  
Date Response Received: Not reported  
Request Agency: Not reported  
Former Citation: Not reported

Evaluation Date: 19990622  
Evaluation Responsible Agency: State  
Found Violation: No  
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: 19930126  
Evaluation Responsible Agency: State  
Found Violation: No  
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION ON-SITE  
Evaluation Responsible Person Identifier: Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**ENTHONE OMI INC (Continued)**

**1000120132**

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: 19980115  
Evaluation Responsible Agency: State  
Found Violation: Yes  
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION ON-SITE  
Evaluation Responsible Person Identifier: Not reported  
Evaluation Responsible Sub-Organization: Not reported  
Actual Return to Compliance Date: 19980402  
Scheduled Compliance Date: 19980227  
Date of Request: Not reported  
Date Response Received: Not reported  
Request Agency: Not reported  
Former Citation: Not reported

Evaluation Date: 19980115  
Evaluation Responsible Agency: State  
Found Violation: Yes  
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION ON-SITE  
Evaluation Responsible Person Identifier: Not reported  
Evaluation Responsible Sub-Organization: Not reported  
Actual Return to Compliance Date: 19980402  
Scheduled Compliance Date: 19980227  
Date of Request: Not reported  
Date Response Received: Not reported  
Request Agency: Not reported  
Former Citation: Not reported

Evaluation Date: 20000925  
Evaluation Responsible Agency: State  
Found Violation: Yes  
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION ON-SITE  
Evaluation Responsible Person Identifier: Not reported  
Evaluation Responsible Sub-Organization: Not reported  
Actual Return to Compliance Date: 20001109  
Scheduled Compliance Date: 20001027  
Date of Request: Not reported  
Date Response Received: Not reported  
Request Agency: Not reported  
Former Citation: Not reported

Evaluation Date: 19900307  
Evaluation Responsible Agency: State  
Found Violation: No  
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION ON-SITE  
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

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

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Database(s)

EDR ID Number  
EPA ID Number

**ENTHONE OMI INC (Continued)**

**1000120132**

Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	19990823
Evaluation Responsible Agency:	State
Found Violation:	No
Evaluation Type Description:	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:	19880427
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	Not reported
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	19880622
Scheduled Compliance Date:	19880606
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	19900307
Evaluation Responsible Agency:	State
Found Violation:	No
Evaluation Type Description:	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:	20000330
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	Not reported
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	20000608
Scheduled Compliance Date:	20000505
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	19990811
Evaluation Responsible Agency:	State

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**ENTHONE OMI INC (Continued)**

**1000120132**

Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	Not reported
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	19991104
Scheduled Compliance Date:	19990917
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	19960930
Evaluation Responsible Agency:	State
Found Violation:	No
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:	19950324
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	Not reported
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	19950615
Scheduled Compliance Date:	19950424
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	19960318
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	Not reported
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	19960610
Scheduled Compliance Date:	19960426
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	20000330
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	Not reported
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	20000608

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

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Database(s)

EDR ID Number  
EPA ID Number

**ENTHONE OMI INC (Continued)**

**1000120132**

Scheduled Compliance Date:	20000505
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	19990209
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	Not reported
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	19990324
Scheduled Compliance Date:	19990319
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	19980709
Evaluation Responsible Agency:	State
Found Violation:	No
Evaluation Type Description:	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:	20000405
Evaluation Responsible Agency:	State
Found Violation:	No
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:	20000815
Evaluation Responsible Agency:	State
Found Violation:	No
Evaluation Type Description:	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

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

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Database(s)

EDR ID Number  
EPA ID Number

**ENTHONE OMI INC (Continued)**

**1000120132**

Evaluation Date: 20010301  
Evaluation Responsible Agency: State  
Found Violation: No  
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: 19910516  
Evaluation Responsible Agency: State  
Found Violation: Yes  
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION ON-SITE  
Evaluation Responsible Person Identifier: Not reported  
Evaluation Responsible Sub-Organization: Not reported  
Actual Return to Compliance Date: 19910611  
Scheduled Compliance Date: 19910607  
Date of Request: Not reported  
Date Response Received: Not reported  
Request Agency: Not reported  
Former Citation: Not reported

Evaluation Date: 19970714  
Evaluation Responsible Agency: State  
Found Violation: Yes  
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION ON-SITE  
Evaluation Responsible Person Identifier: Not reported  
Evaluation Responsible Sub-Organization: Not reported  
Actual Return to Compliance Date: 19970930  
Scheduled Compliance Date: 19970901  
Date of Request: Not reported  
Date Response Received: Not reported  
Request Agency: Not reported  
Former Citation: Not reported

Evaluation Date: 19970508  
Evaluation Responsible Agency: State  
Found Violation: No  
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: 19990811  
Evaluation Responsible Agency: State  
Found Violation: Yes  
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION ON-SITE  
Evaluation Responsible Person Identifier: Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

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Database(s)

EDR ID Number  
EPA ID Number

**ENTHONE OMI INC (Continued)**

**1000120132**

Evaluation Responsible Sub-Organization: Not reported  
Actual Return to Compliance Date: 19991104  
Scheduled Compliance Date: 19990917  
Date of Request: Not reported  
Date Response Received: Not reported  
Request Agency: Not reported  
Former Citation: Not reported

Evaluation Date: 19990811  
Evaluation Responsible Agency: State  
Found Violation: Yes  
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION ON-SITE  
Evaluation Responsible Person Identifier: Not reported  
Evaluation Responsible Sub-Organization: Not reported  
Actual Return to Compliance Date: 19991104  
Scheduled Compliance Date: 19990917  
Date of Request: Not reported  
Date Response Received: Not reported  
Request Agency: Not reported  
Former Citation: Not reported

Evaluation Date: 19920121  
Evaluation Responsible Agency: State  
Found Violation: Yes  
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION ON-SITE  
Evaluation Responsible Person Identifier: Not reported  
Evaluation Responsible Sub-Organization: Not reported  
Actual Return to Compliance Date: 19920303  
Scheduled Compliance Date: 19920212  
Date of Request: Not reported  
Date Response Received: Not reported  
Request Agency: Not reported  
Former Citation: Not reported

Evaluation Date: 20020328  
Evaluation Responsible Agency: State  
Found Violation: No  
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: 19940331  
Evaluation Responsible Agency: State  
Found Violation: Yes  
Evaluation Type Description: FINANCIAL RECORD REVIEW  
Evaluation Responsible Person Identifier: Not reported  
Evaluation Responsible Sub-Organization: Not reported  
Actual Return to Compliance Date: 19940429  
Scheduled Compliance Date: 19940415  
Date of Request: Not reported  
Date Response Received: Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

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Database(s)

EDR ID Number  
EPA ID Number

**ENTHONE OMI INC (Continued)**

**1000120132**

Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	19950324
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	Not reported
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	19950615
Scheduled Compliance Date:	19950428
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

**ENTHONE OMI INC (Continued)**

**1000120132**

2020 COR ACTION:

EPA ID: MID056717747  
Region: 5  
Action: Remedy Construction

ICIS:

Enforcement Action ID: 05-1997-0008  
FRS ID: 110000405320  
Action Name: ENTHONE-OMI INC.  
Facility Name: ENTHONE OMI INCORPORATED  
Facility Address: 21441 HOOVER RD.  
WARREN, MI 48089

Enforcement Action Type: TSCA 16 Action For Penalty  
Facility County: MACOMB  
Program System Acronym: ICIS  
Enforcement Action Forum Desc: Administrative - Formal  
EA Type Code: 16  
Facility SIC Code: Not reported  
Federal Facility ID: Not reported  
Latitude in Decimal Degrees: 42.45415  
Longitude in Decimal Degrees: -83.005385  
Permit Type Desc: Not reported  
Program System Acronym: 11730  
Facility NAICS Code: Not reported  
Tribal Land Code: Not reported

Enforcement Action ID: 05-1995-0518  
FRS ID: 110000405320  
Action Name: ENTHONE-OMI INC., AND BURLINGTON AIR IMPORTS  
Facility Name: ENTHONE OMI INCORPORATED  
Facility Address: 21441 HOOVER RD.  
WARREN, MI 48089

Enforcement Action Type: EPCRA 325 Action For Penalty  
Facility County: MACOMB  
Program System Acronym: ICIS  
Enforcement Action Forum Desc: Administrative - Formal  
EA Type Code: 325  
Facility SIC Code: Not reported  
Federal Facility ID: Not reported  
Latitude in Decimal Degrees: 42.45415  
Longitude in Decimal Degrees: -83.005385  
Permit Type Desc: Not reported  
Program System Acronym: 11730  
Facility NAICS Code: Not reported  
Tribal Land Code: Not reported

Facility Name: ENTHONE-OMI INC  
Address: 21441 HOOVER RD.  
Tribal Indicator: N  
Fed Facility: No  
NAIC Code: Not reported  
SIC Code: Not reported

Facility Name: ENTHONE-OMI INC  
Address: 21441 HOOVER RD.

Map ID  
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MAP FINDINGS

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Database(s)

EDR ID Number  
EPA ID Number

**ENTHONE OMI INC (Continued)**

**1000120132**

Tribal Indicator:	N
Fed Facility:	No
NAIC Code:	Not reported
SIC Code:	Not reported
Facility Name:	ENTHONE-OMI INC
Address:	21441 HOOVER RD.
Tribal Indicator:	N
Fed Facility:	No
NAIC Code:	Not reported
SIC Code:	Not reported
Facility Name:	ENTHONE-OMI INC
Address:	21441 HOOVER RD.
Tribal Indicator:	N
Fed Facility:	No
NAIC Code:	Not reported
SIC Code:	Not reported
Facility Name:	ENTHONE-OMI INC
Address:	21441 HOOVER RD.
Tribal Indicator:	N
Fed Facility:	No
NAIC Code:	Not reported
SIC Code:	Not reported
Facility Name:	ENTHONE-OMI INC
Address:	21441 HOOVER RD.
Tribal Indicator:	N
Fed Facility:	No
NAIC Code:	Not reported
SIC Code:	Not reported
Facility Name:	ENTHONE-OMI INC
Address:	21441 HOOVER RD.
Tribal Indicator:	N
Fed Facility:	No
NAIC Code:	Not reported
SIC Code:	Not reported
Facility Name:	ENTHONE-OMI INC
Address:	21441 HOOVER RD.
Tribal Indicator:	N
Fed Facility:	No
NAIC Code:	Not reported
SIC Code:	Not reported
Facility Name:	ENTHONE-OMI INC
Address:	21441 HOOVER RD.
Tribal Indicator:	N
Fed Facility:	No
NAIC Code:	Not reported
SIC Code:	Not reported
Facility Name:	ENTHONE-OMI INC
Address:	21441 HOOVER RD.
Tribal Indicator:	N

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**ENTHONE OMI INC (Continued)**

**1000120132**

Fed Facility: No  
NAIC Code: Not reported  
SIC Code: Not reported

Facility Name: ENTHONE-OMI INC  
Address: 21441 HOOVER RD.  
Tribal Indicator: N  
Fed Facility: No  
NAIC Code: Not reported  
SIC Code: Not reported

Facility Name: ENTHONE-OMI INC  
Address: 21441 HOOVER RD.  
Tribal Indicator: N  
Fed Facility: No  
NAIC Code: Not reported  
SIC Code: Not reported

Facility Name: ENTHONE-OMI INC  
Address: 21441 HOOVER RD.  
Tribal Indicator: N  
Fed Facility: No  
NAIC Code: Not reported  
SIC Code: Not reported

Facility Name: ENTHONE-OMI INC  
Address: 21441 HOOVER RD.  
Tribal Indicator: N  
Fed Facility: No  
NAIC Code: Not reported  
SIC Code: Not reported

Facility Name: ENTHONE-OMI INC  
Address: 21441 HOOVER RD.  
Tribal Indicator: N  
Fed Facility: No  
NAIC Code: Not reported  
SIC Code: Not reported

Facility Name: ENTHONE-OMI INC  
Address: 21441 HOOVER RD.  
Tribal Indicator: N  
Fed Facility: No  
NAIC Code: Not reported  
SIC Code: Not reported

Facility Name: ENTHONE-OMI INC  
Address: 21441 HOOVER RD.  
Tribal Indicator: N  
Fed Facility: No  
NAIC Code: Not reported  
SIC Code: Not reported

Facility Name: ENTHONE-OMI INC  
Address: 21441 HOOVER RD.  
Tribal Indicator: N  
Fed Facility: No

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**ENTHONE OMI INC (Continued)**

**1000120132**

NAIC Code: Not reported  
SIC Code: Not reported

Facility Name: ENTHONE-OMI INC  
Address: 21441 HOOVER RD.  
Tribal Indicator: N  
Fed Facility: No  
NAIC Code: Not reported  
SIC Code: Not reported

Facility Name: ENTHONE-OMI INC  
Address: 21441 HOOVER RD.  
Tribal Indicator: N  
Fed Facility: No  
NAIC Code: Not reported  
SIC Code: Not reported

Facility Name: ENTHONE-OMI INC  
Address: 21441 HOOVER RD.  
Tribal Indicator: N  
Fed Facility: No  
NAIC Code: Not reported  
SIC Code: Not reported

Facility Name: ENTHONE-OMI INC  
Address: 21441 HOOVER RD.  
Tribal Indicator: N  
Fed Facility: No  
NAIC Code: Not reported  
SIC Code: Not reported

Facility Name: ENTHONE-OMI INC  
Address: 21441 HOOVER RD.  
Tribal Indicator: N  
Fed Facility: No  
NAIC Code: Not reported  
SIC Code: Not reported

Facility Name: ENTHONE-OMI INC  
Address: 21441 HOOVER RD.  
Tribal Indicator: N  
Fed Facility: No  
NAIC Code: Not reported  
SIC Code: Not reported

**US AIRS MINOR:**

Envid: 1000120132  
Region Code: 05  
Programmatic ID: AIR MI000000000000B1789  
Facility Registry ID: 110000405320  
D and B Number: Not reported  
Primary SIC Code: 2819  
NAICS Code: 325998  
Default Air Classification Code: MIN  
Facility Type of Ownership Code: POF  
Air CMS Category Code: Not reported  
HPV Status: Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**ENTHONE OMI INC (Continued)**

**1000120132**

US AIRS MINOR:

Region Code: 05  
Programmatic ID: AIR MI00000000000B1789  
Facility Registry ID: 110000405320  
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: 1998-09-21 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 MI00000000000B1789  
Facility Registry ID: 110000405320  
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: 1999-08-12 00:00:00  
Activity Status Date: Not reported  
Activity Group: Compliance Monitoring  
Activity Type: Inspection/Evaluation  
Activity Status: Not reported

RI MANIFEST:

Name: ENTHONE-OMI, INC.  
Address: 21441 HOOVER ROAD  
City,State,Zip: WARREN, MI 48089-0000  
EPA Id: MID056717747  
GEN Cert Date: 9/2/1998  
Manifest Document Number: RIH0001531  
Waste Description: CHL ACID  
TSDF Id: RID059735761  
TSDF Name: ADVANCED CHEMICAL CO INC  
Qty: 74  
WT/Vol Units: G  
TSDF Date: Not reported  
Transporter 2 Id: Not reported  
Item Number: 2  
Transporter 2 Name: Not reported  
Transporter Name 2: TRI-STATE MOTOR TRANSIT  
Transporter EPAID: MOD095038998  
Transporter Receipt Date: Not reported  
Number Of Containers: 0  
Container Type: Not reported  
Waste Code1: D002  
Waste Code2: Not reported  
Waste Code3: Not reported  
Waste Code4: Not reported  
Waste Code5: Not reported  
Waste Code6: Not reported  
Fee Exempt Code: Not reported  
Comment: Not reported  
Transporter Name 2: Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**ENTHONE OMI INC (Continued)**

**1000120132**

Company Permit Number: Not reported  
Year: Not reported  
Quarter: Not reported  
Transporter Contact Name: Not reported  
Transporter Contact Email: Not reported  
Filing Date: Not reported  
Total Fee: Not reported  
Billing Name: Not reported  
Paid Date: Not reported  
Paid Time: Not reported  
Facility Receipt Date: Not reported  
Fee: Not reported  
Manifest Created Date: Not reported  
Manifest Updated Date: Not reported

**RI MANIFEST:**

Transporter Receipt Date: Not reported  
Number Of Containers: 0  
Container Type: Not reported  
Waste Code1: D002  
Waste Code2: Not reported  
Waste Code3: Not reported  
Waste Code4: Not reported  
Waste Code5: Not reported  
Waste Code6: Not reported  
Comment: Not reported  
Fee Exempt Code: Not reported  
TSDF Name: ADVANCED CHEMICAL CO INC  
TSDF Id: RID059735761  
Transporter Name 2: Not reported  
Company Permit Number: Not reported  
Year: Not reported  
EPA ID: MID056717747  
Manifest Docket Number: RIH0001531  
Quarter: Not reported  
Waste Description: PALL MAT  
Transporter Contact Name: Not reported  
Quantity: 200  
Transporter Contact Email: Not reported  
WT/Vol Units: P  
Filing Date: Not reported  
Total Fee: Not reported  
Item Number: 1  
Transporter Name: TRI-STATE MOTOR TRANSIT  
Billing Name: Not reported  
Transporter EPA ID: MOD095038998  
Date Paid: Not reported  
Time Paid: Not reported  
GEN Cert Date: 9/2/1998  
Facility Receipt Date: Not reported  
Fee: Not reported  
Transporter 2 Receipt Date: Not reported  
Manifest Created Date: Not reported  
TSDF Receipt Date: Not reported  
Transporter 2 ID: Not reported  
Manifest Updated Date: Not reported  
  
Transporter Receipt Date: Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**ENTHONE OMI INC (Continued)**

**1000120132**

Number Of Containers:	0
Container Type:	Not reported
Waste Code1:	D002
Waste Code2:	Not reported
Waste Code3:	Not reported
Waste Code4:	Not reported
Waste Code5:	Not reported
Waste Code6:	Not reported
Comment:	Not reported
Fee Exempt Code:	Not reported
TSDf Name:	ADVANCED CHEMICAL CO INC
TSDf Id:	RID059735761
Transporter Name 2:	Not reported
Company Permit Number:	Not reported
Year:	Not reported
EPA ID:	MID056717747
Manifest Docket Number:	RIH0001531
Quarter:	Not reported
Waste Description:	PALL MAT
Transporter Contact Name:	Not reported
Quantity:	200
Transporter Contact Email:	Not reported
WT/Vol Units:	P
Filing Date:	Not reported
Total Fee:	Not reported
Item Number:	1
Transporter Name:	TRI-STATE MOTOR TRANSIT
Billing Name:	Not reported
Transporter EPA ID:	MOD095038998
Date Paid:	Not reported
Time Paid:	Not reported
GEN Cert Date:	9/2/1998
Facility Receipt Date:	Not reported
Fee:	Not reported
Transporter 2 Receipt Date:	Not reported
Manifest Created Date:	Not reported
TSDf Receipt Date:	Not reported
Transporter 2 ID:	Not reported
Manifest Updated Date:	Not reported
Transporter Receipt Date:	Not reported
Number Of Containers:	0
Container Type:	Not reported
Waste Code1:	D002
Waste Code2:	Not reported
Waste Code3:	Not reported
Waste Code4:	Not reported
Waste Code5:	Not reported
Waste Code6:	Not reported
Comment:	Not reported
Fee Exempt Code:	Not reported
TSDf Name:	ADVANCED CHEMICAL CO INC
TSDf Id:	RID059735761
Transporter Name 2:	Not reported
Company Permit Number:	Not reported
Year:	Not reported
EPA ID:	MID056717747

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**ENTHONE OMI INC (Continued)**

**1000120132**

Manifest Docket Number:	RIH0001531
Quarter:	Not reported
Waste Description:	HYD ACID
Transporter Contact Name:	Not reported
Quantity:	62
Transporter Contact Email:	Not reported
WT/Vol Units:	G
Filing Date:	Not reported
Total Fee:	Not reported
Item Number:	3
Transporter Name:	TRI-STATE MOTOR TRANSIT
Billing Name:	Not reported
Transporter EPA ID:	MOD095038998
Date Paid:	Not reported
Time Paid:	Not reported
GEN Cert Date:	9/2/1998
Facility Receipt Date:	Not reported
Fee:	Not reported
Transporter 2 Receipt Date:	Not reported
Manifest Created Date:	Not reported
TSDf Receipt Date:	Not reported
Transporter 2 ID:	Not reported
Manifest Updated Date:	Not reported
Transporter Receipt Date:	Not reported
Number Of Containers:	0
Container Type:	Not reported
Waste Code1:	D002
Waste Code2:	Not reported
Waste Code3:	Not reported
Waste Code4:	Not reported
Waste Code5:	Not reported
Waste Code6:	Not reported
Comment:	Not reported
Fee Exempt Code:	Not reported
TSDf Name:	ADVANCED CHEMICAL CO INC
TSDf Id:	RID059735761
Transporter Name 2:	Not reported
Company Permit Number:	Not reported
Year:	Not reported
EPA ID:	MID056717747
Manifest Docket Number:	RIH0001531
Quarter:	Not reported
Waste Description:	CHL ACID
Transporter Contact Name:	Not reported
Quantity:	74
Transporter Contact Email:	Not reported
WT/Vol Units:	G
Filing Date:	Not reported
Total Fee:	Not reported
Item Number:	2
Transporter Name:	TRI-STATE MOTOR TRANSIT
Billing Name:	Not reported
Transporter EPA ID:	MOD095038998
Date Paid:	Not reported
Time Paid:	Not reported
GEN Cert Date:	9/2/1998

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**ENTHONE OMI INC (Continued)**

**1000120132**

Facility Receipt Date:	Not reported
Fee:	Not reported
Transporter 2 Receipt Date:	Not reported
Manifest Created Date:	Not reported
TSDf Receipt Date:	Not reported
Transporter 2 ID:	Not reported
Manifest Updated Date:	Not reported
Transporter Receipt Date:	Not reported
Number Of Containers:	0
Container Type:	Not reported
Waste Code1:	D002
Waste Code2:	Not reported
Waste Code3:	Not reported
Waste Code4:	Not reported
Waste Code5:	Not reported
Waste Code6:	Not reported
Comment:	Not reported
Fee Exempt Code:	Not reported
TSDf Name:	ADVANCED CHEMICAL CO INC
TSDf Id:	RID059735761
Transporter Name 2:	Not reported
Company Permit Number:	Not reported
Year:	Not reported
EPA ID:	MID056717747
Manifest Docket Number:	RIH0001531
Quarter:	Not reported
Waste Description:	CHL ACID
Transporter Contact Name:	Not reported
Quantity:	74
Transporter Contact Email:	Not reported
WT/Vol Units:	G
Filing Date:	Not reported
Total Fee:	Not reported
Item Number:	2
Transporter Name:	TRI-STATE MOTOR TRANSIT
Billing Name:	Not reported
Transporter EPA ID:	MOD095038998
Date Paid:	Not reported
Time Paid:	Not reported
GEN Cert Date:	9/2/1998
Facility Receipt Date:	Not reported
Fee:	Not reported
Transporter 2 Receipt Date:	Not reported
Manifest Created Date:	Not reported
TSDf Receipt Date:	Not reported
Transporter 2 ID:	Not reported
Manifest Updated Date:	Not reported
Transporter Receipt Date:	Not reported
Number Of Containers:	0
Container Type:	Not reported
Waste Code1:	D002
Waste Code2:	Not reported
Waste Code3:	Not reported
Waste Code4:	Not reported
Waste Code5:	Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**ENTHONE OMI INC (Continued)**

**1000120132**

Waste Code6:	Not reported
Comment:	Not reported
Fee Exempt Code:	Not reported
TSDf Name:	ADVANCED CHEMICAL CO INC
TSDf Id:	RID059735761
Transporter Name 2:	Not reported
Company Permit Number:	Not reported
Year:	Not reported
EPA ID:	MID056717747
Manifest Docket Number:	RIH0001531
Quarter:	Not reported
Waste Description:	HYD ACID
Transporter Contact Name:	Not reported
Quantity:	62
Transporter Contact Email:	Not reported
WT/Vol Units:	G
Filing Date:	Not reported
Total Fee:	Not reported
Item Number:	3
Transporter Name:	TRI-STATE MOTOR TRANSIT
Billing Name:	Not reported
Transporter EPA ID:	MOD095038998
Date Paid:	Not reported
Time Paid:	Not reported
GEN Cert Date:	9/2/1998
Facility Receipt Date:	Not reported
Fee:	Not reported
Transporter 2 Receipt Date:	Not reported
Manifest Created Date:	Not reported
TSDf Receipt Date:	Not reported
Transporter 2 ID:	Not reported
Manifest Updated Date:	Not reported
Transporter Receipt Date:	Not reported
Number Of Containers:	0
Container Type:	Not reported
Waste Code1:	D003
Waste Code2:	D002
Waste Code3:	Not reported
Waste Code4:	Not reported
Waste Code5:	Not reported
Waste Code6:	Not reported
Comment:	Not reported
Fee Exempt Code:	Not reported
TSDf Name:	ADVANCED CHEMICAL CO INC
TSDf Id:	RID059735761
Transporter Name 2:	Not reported
Company Permit Number:	Not reported
Year:	Not reported
EPA ID:	MID056717747
Manifest Docket Number:	CTF0421820
Quarter:	Not reported
Waste Description:	POT CYANIDE/HYDROX
Transporter Contact Name:	Not reported
Quantity:	15
Transporter Contact Email:	Not reported
WT/Vol Units:	G

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**ENTHONE OMI INC (Continued)**

**1000120132**

Filing Date:	Not reported
Total Fee:	Not reported
Item Number:	1
Transporter Name:	TRI-STATE MOTOR TRANSIT
Billing Name:	Not reported
Transporter EPA ID:	MOD095038998
Date Paid:	Not reported
Time Paid:	Not reported
GEN Cert Date:	7/8/1997
Facility Receipt Date:	Not reported
Fee:	Not reported
Transporter 2 Receipt Date:	Not reported
Manifest Created Date:	Not reported
TSDf Receipt Date:	Not reported
Transporter 2 ID:	Not reported
Manifest Updated Date:	Not reported
Transporter Receipt Date:	Not reported
Number Of Containers:	0
Container Type:	Not reported
Waste Code1:	D003
Waste Code2:	D002
Waste Code3:	Not reported
Waste Code4:	Not reported
Waste Code5:	Not reported
Waste Code6:	Not reported
Comment:	Not reported
Fee Exempt Code:	Not reported
TSDf Name:	ADVANCED CHEMICAL CO INC
TSDf Id:	RID059735761
Transporter Name 2:	Not reported
Company Permit Number:	Not reported
Year:	Not reported
EPA ID:	MID056717747
Manifest Docket Number:	CTF0421820
Quarter:	Not reported
Waste Description:	POT AUROCYANIDE
Transporter Contact Name:	Not reported
Quantity:	15
Transporter Contact Email:	Not reported
WT/Vol Units:	G
Filing Date:	Not reported
Total Fee:	Not reported
Item Number:	3
Transporter Name:	TRI-STATE MOTOR TRANSIT
Billing Name:	Not reported
Transporter EPA ID:	MOD095038998
Date Paid:	Not reported
Time Paid:	Not reported
GEN Cert Date:	7/8/1997
Facility Receipt Date:	Not reported
Fee:	Not reported
Transporter 2 Receipt Date:	Not reported
Manifest Created Date:	Not reported
TSDf Receipt Date:	Not reported
Transporter 2 ID:	Not reported
Manifest Updated Date:	Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**ENTHONE OMI INC (Continued)**

**1000120132**

Transporter Receipt Date:	Not reported
Number Of Containers:	0
Container Type:	Not reported
Waste Code1:	D003
Waste Code2:	D002
Waste Code3:	Not reported
Waste Code4:	Not reported
Waste Code5:	Not reported
Waste Code6:	Not reported
Comment:	Not reported
Fee Exempt Code:	Not reported
TSDf Name:	ADVANCED CHEMICAL CO INC
TSDf Id:	RID059735761
Transporter Name 2:	Not reported
Company Permit Number:	Not reported
Year:	Not reported
EPA ID:	MID056717747
Manifest Docket Number:	CTF0421820
Quarter:	Not reported
Waste Description:	POT AUROCYANIDE
Transporter Contact Name:	Not reported
Quantity:	15
Transporter Contact Email:	Not reported
WT/Vol Units:	G
Filing Date:	Not reported
Total Fee:	Not reported
Item Number:	3
Transporter Name:	TRI-STATE MOTOR TRANSIT
Billing Name:	Not reported
Transporter EPA ID:	MOD095038998
Date Paid:	Not reported
Time Paid:	Not reported
GEN Cert Date:	7/8/1997
Facility Receipt Date:	Not reported
Fee:	Not reported
Transporter 2 Receipt Date:	Not reported
Manifest Created Date:	Not reported
TSDf Receipt Date:	Not reported
Transporter 2 ID:	Not reported
Manifest Updated Date:	Not reported
Transporter Receipt Date:	Not reported
Number Of Containers:	0
Container Type:	Not reported
Waste Code1:	D003
Waste Code2:	D002
Waste Code3:	Not reported
Waste Code4:	Not reported
Waste Code5:	Not reported
Waste Code6:	Not reported
Comment:	Not reported
Fee Exempt Code:	Not reported
TSDf Name:	ADVANCED CHEMICAL CO INC
TSDf Id:	RID059735761
Transporter Name 2:	Not reported
Company Permit Number:	Not reported
Year:	Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**ENTHONE OMI INC (Continued)**

**1000120132**

EPA ID:	MID056717747
Manifest Docket Number:	CTF0421820
Quarter:	Not reported
Waste Description:	POT CYANIDE/HYDROX
Transporter Contact Name:	Not reported
Quantity:	15
Transporter Contact Email:	Not reported
WT/Vol Units:	G
Filing Date:	Not reported
Total Fee:	Not reported
Item Number:	1
Transporter Name:	TRI-STATE MOTOR TRANSIT
Billing Name:	Not reported
Transporter EPA ID:	MOD095038998
Date Paid:	Not reported
Time Paid:	Not reported
GEN Cert Date:	7/8/1997
Facility Receipt Date:	Not reported
Fee:	Not reported
Transporter 2 Receipt Date:	Not reported
Manifest Created Date:	Not reported
TSDf Receipt Date:	Not reported
Transporter 2 ID:	Not reported
Manifest Updated Date:	Not reported
Transporter Receipt Date:	Not reported
Number Of Containers:	0
Container Type:	Not reported
Waste Code1:	D003
Waste Code2:	D002
Waste Code3:	Not reported
Waste Code4:	Not reported
Waste Code5:	Not reported
Waste Code6:	Not reported
Comment:	Not reported
Fee Exempt Code:	Not reported
TSDf Name:	ADVANCED CHEMICAL CO INC
TSDf Id:	RID059735761
Transporter Name 2:	Not reported
Company Permit Number:	Not reported
Year:	Not reported
EPA ID:	MID056717747
Manifest Docket Number:	CTF0421820
Quarter:	Not reported
Waste Description:	SOD CYANIDE
Transporter Contact Name:	Not reported
Quantity:	15
Transporter Contact Email:	Not reported
WT/Vol Units:	G
Filing Date:	Not reported
Total Fee:	Not reported
Item Number:	2
Transporter Name:	TRI-STATE MOTOR TRANSIT
Billing Name:	Not reported
Transporter EPA ID:	MOD095038998
Date Paid:	Not reported
Time Paid:	Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**ENTHONE OMI INC (Continued)**

**1000120132**

GEN Cert Date: 7/8/1997  
Facility Receipt Date: Not reported  
Fee: Not reported  
Transporter 2 Receipt Date: Not reported  
Manifest Created Date: Not reported  
TSDF Receipt Date: Not reported  
Transporter 2 ID: Not reported  
Manifest Updated Date: Not reported

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

**NY MANIFEST:**

Name: ENTHONE OMI INCORPORATED  
Address: 21441 HOOVER RD  
City,State,Zip: WARREN, MI 48089  
Country: USA  
EPA ID: MID056717747  
Facility Status: Not reported  
Location Address 1: 21441 HOOVER  
Code: BP  
Location Address 2: Not reported  
Total Tanks: Not reported  
Location City: WARREN  
Location State: MI  
Location Zip: 48089  
Location Zip 4: Not reported

**NY MANIFEST:**

EPAID: MID056717747  
Mailing Name: ENTHONE OMI INCORPORATED  
Mailing Contact: JEFF M SZOTEK  
Mailing Address 1: 21441 HOOVER  
Mailing Address 2: Not reported  
Mailing City: WARREN  
Mailing State: MI  
Mailing Zip: 48089  
Mailing Zip 4: Not reported  
Mailing Country: USA  
Mailing Phone: 3134979100

**39**  
**WNW**  
**1/8-1/4**  
**0.153 mi.**  
**809 ft.**

**AJAX METAL PROCESSING INC**  
**22105 HOOVER RD**  
**WARREN, MI 48089**

**RCRA-LQG** **1000438954**  
**TRIS** **48089JXMTL22105**  
**FINDS**  
**ECHO**

**Relative:**  
**Higher**

**Actual:**  
**625 ft.**

**RCRA Listings:**

Date Form Received by Agency: 20220509  
Handler Name: Ajax Metal Processing Inc  
Handler Address: 22105 HOOVER RD  
Handler City,State,Zip: WARREN, MI 48089  
EPA ID: MID083942714  
Contact Name: STEVE PEER  
Contact Address: Not reported  
Contact City,State,Zip: Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**AJAX METAL PROCESSING INC (Continued)**

**1000438954**

Contact Telephone:	586-497-7000 x7037
Contact Fax:	Not reported
Contact Email:	SPEER@AJAXMETAL.COM
Contact Title:	Not reported
EPA Region:	05
Land Type:	Private
Federal Waste Generator Description:	Large 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:	4600 BELLEVUE ST
Mailing City,State,Zip:	DETROIT, MI 48207
Owner Name:	Ajax Metal Processing
Owner Type:	Private
Operator Name:	Ajax Metal Processing
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
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:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
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:	20220728
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

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**AJAX METAL PROCESSING INC (Continued)**

**1000438954**

Manifest Broker: No  
Sub-Part P Indicator: No

Biennial: List of Years

Year: 2021

Click Here for Biennial Reporting System Data:  
Year: 2019

Click Here for Biennial Reporting System Data:  
Year: 2017

Click Here for Biennial Reporting System Data:  
Year: 2015

Click Here for Biennial Reporting System Data:  
Year: 2013

Click Here for Biennial Reporting System Data:  
Year: 2011

Click Here for Biennial Reporting System Data:  
Year: 2009

Click Here for Biennial Reporting System Data:  
Year: 2007

Click Here for Biennial Reporting System Data:  
Year: 2005

Click Here for Biennial Reporting System Data:  
Year: 2003

Click Here for Biennial Reporting System Data:  
Year: 2001

Click Here for Biennial Reporting System Data:

Hazardous Waste Summary:

Waste Code: D001  
Waste Description: Ignitable Waste

Waste Code: D002  
Waste Description: Corrosive Waste

Waste Code: D007  
Waste Description: Chromium

Waste Code: D008  
Waste Description: Lead

Waste Code: K062  
Waste Description: Spent Pickle Liquor From Steel Finishing Operations Of Plants That Produce Iron Or Steel.

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**AJAX METAL PROCESSING INC (Continued)**

**1000438954**

Handler - Owner Operator:

Owner/Operator Indicator:	Operator
Owner/Operator Name:	AJAX METAL PROCESSING
Legal Status:	Private
Date Became Current:	19720101
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:	AJAX METAL PROCESSING
Legal Status:	Private
Date Became Current:	19720101
Date Ended Current:	Not reported
Owner/Operator Address:	4600 BELLEVUE ST
Owner/Operator City,State,Zip:	DETROIT, MI 48207-1714
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:	AJAX METAL PROCESSING
Legal Status:	Private
Date Became Current:	19720101
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:	AJAX METAL PROCESSING
Legal Status:	Private
Date Became Current:	19720101
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:	AJAX METAL PROCESSING
Legal Status:	Private
Date Became Current:	19720101
Date Ended Current:	Not reported
Owner/Operator Address:	Not reported
Owner/Operator City,State,Zip:	Not reported
Owner/Operator Telephone:	Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**AJAX METAL PROCESSING INC (Continued)**

**1000438954**

Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported
Owner/Operator Indicator:	Operator
Owner/Operator Name:	AJAX METAL PROCESSING
Legal Status:	Private
Date Became Current:	19720101
Date Ended Current:	Not reported
Owner/Operator Address:	4600 BELLEVUE ST
Owner/Operator City,State,Zip:	DETROIT, MI 48207-1714
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:	AJAX METAL PROCESSING
Legal Status:	Private
Date Became Current:	19720101
Date Ended Current:	Not reported
Owner/Operator Address:	4600 BELLEVUE ST
Owner/Operator City,State,Zip:	DETROIT, MI 48207-1714
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:	AJAX METAL PROCESSING
Legal Status:	Private
Date Became Current:	19720101
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:	AJAX METAL PROCESSING
Legal Status:	Private
Date Became Current:	19720101
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:	ROBERT M HOLLAND
Legal Status:	Private
Date Became Current:	19690101
Date Ended Current:	Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**AJAX METAL PROCESSING INC (Continued)**

**1000438954**

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: AJAX METAL PROCESSING  
Legal Status: Private  
Date Became Current: 19720101  
Date Ended Current: Not reported  
Owner/Operator Address: 22150 HOOVER  
Owner/Operator City,State,Zip: WARREN, MI 48089  
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: AJAX METAL PROCESSING  
Legal Status: Private  
Date Became Current: 19720101  
Date Ended Current: Not reported  
Owner/Operator Address: 4600 BELLEVUE ST  
Owner/Operator City,State,Zip: DETROIT, MI 48207-1714  
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: AJAX METAL PROCESSING  
Legal Status: Private  
Date Became Current: 19720101  
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: AJAX METAL PROCESSING  
Legal Status: Private  
Date Became Current: 19720101  
Date Ended Current: Not reported  
Owner/Operator Address: 4600 BELLEVUE ST  
Owner/Operator City,State,Zip: DETROIT, MI 48207-1714  
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: AJAX METAL PROCESSING

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**AJAX METAL PROCESSING INC (Continued)**

**1000438954**

Legal Status: Private  
Date Became Current: 19700101  
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: AJAX METAL PROCESSING  
Legal Status: Private  
Date Became Current: 19720101  
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: AJAX METAL PROCESSING  
Legal Status: Private  
Date Became Current: 19720101  
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: AJAX METAL PROCESSING  
Legal Status: Private  
Date Became Current: 19720101  
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: AJAX METAL PROCESSING  
Legal Status: Private  
Date Became Current: 19720101  
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

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**AJAX METAL PROCESSING INC (Continued)**

**1000438954**

Owner/Operator Indicator: Owner  
Owner/Operator Name: AJAX METAL PROCESSING  
Legal Status: Private  
Date Became Current: 19720101  
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: AJAX METAL PROCESSING  
Legal Status: Private  
Date Became Current: 19720101  
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: ROBERT M HOLLAND  
Legal Status: Private  
Date Became Current: 19910101  
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: AJAX METAL PROCESSING  
Legal Status: Private  
Date Became Current: 19720101  
Date Ended Current: Not reported  
Owner/Operator Address: 4600 BELLEVUE ST  
Owner/Operator City,State,Zip: DETROIT, MI 48207-1714  
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: AJAX METAL PROCESSING  
Legal Status: Private  
Date Became Current: 19720101  
Date Ended Current: Not reported  
Owner/Operator Address: 4600 BELLEVUE ST  
Owner/Operator City,State,Zip: DETROIT, MI 48207-1714  
Owner/Operator Telephone: Not reported  
Owner/Operator Telephone Ext: Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**AJAX METAL PROCESSING INC (Continued)**

**1000438954**

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

Owner/Operator Indicator: Owner  
Owner/Operator Name: AJAX METAL PROCESSING  
Legal Status: Private  
Date Became Current: 19720101  
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: AJAX METAL PROCESSING  
Legal Status: Private  
Date Became Current: 19720101  
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: AJAX METAL PROCESSING  
Legal Status: Private  
Date Became Current: 19720101  
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: AJAX METAL PROCESSING  
Legal Status: Private  
Date Became Current: 19720101  
Date Ended Current: Not reported  
Owner/Operator Address: 4600 BELLEVUE ST  
Owner/Operator City,State,Zip: DETROIT, MI 48207-1714  
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: AJAX METAL PROCESSING  
Legal Status: Private  
Date Became Current: 19700101  
Date Ended Current: Not reported  
Owner/Operator Address: Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**AJAX METAL PROCESSING INC (Continued)**

**1000438954**

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: AJAX METAL PROCESSING  
Legal Status: Private  
Date Became Current: 19720101  
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: AJAX METAL PROCESSING  
Legal Status: Private  
Date Became Current: 19720101  
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: AJAX METAL PROCESSING  
Legal Status: Private  
Date Became Current: 19720101  
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: AJAX METAL PROCESSING  
Legal Status: Private  
Date Became Current: 19720101  
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: AJAX METAL PROCESSING  
Legal Status: Private

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**AJAX METAL PROCESSING INC (Continued)**

**1000438954**

Date Became Current: 19720101  
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: AJAX METAL PROCESSING  
Legal Status: Private  
Date Became Current: 19720101  
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: NAME NOT REPORTED  
Legal Status: Private  
Date Became Current: 19700101  
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: AJAX METAL PROCESSING  
Legal Status: Private  
Date Became Current: 19720101  
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: AJAX METAL PROCESSING  
Legal Status: Private  
Date Became Current: 19720101  
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

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**AJAX METAL PROCESSING INC (Continued)**

**1000438954**

Owner/Operator Indicator: Owner  
Owner/Operator Name: AJAX METAL PROCESSING  
Legal Status: Private  
Date Became Current: 19690601  
Date Ended Current: Not reported  
Owner/Operator Address: 21777 HOOVER RD  
Owner/Operator City,State,Zip: WARREN, MI 48089  
Owner/Operator Telephone: 586-497-7000  
Owner/Operator Telephone Ext: Not reported  
Owner/Operator Fax: Not reported  
Owner/Operator Email: Not reported

Owner/Operator Indicator: Owner  
Owner/Operator Name: AJAX METAL PROCESSING  
Legal Status: Private  
Date Became Current: 19720101  
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: AJAX METAL PROCESSING  
Legal Status: Private  
Date Became Current: 19720101  
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: AJAX METAL PROCESSING  
Legal Status: Private  
Date Became Current: 19720101  
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: AJAX METAL PROCESSING  
Legal Status: Private  
Date Became Current: 19720101  
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

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**AJAX METAL PROCESSING INC (Continued)**

**1000438954**

Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported
Owner/Operator Indicator:	Operator
Owner/Operator Name:	AJAX METAL PROCESSING
Legal Status:	Private
Date Became Current:	19720101
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:	AJAX METAL PROCESSING
Legal Status:	Private
Date Became Current:	19720101
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:	AJAX METAL PROCESSING
Legal Status:	Private
Date Became Current:	19720101
Date Ended Current:	Not reported
Owner/Operator Address:	4600 BELLEVUE ST
Owner/Operator City,State,Zip:	DETROIT, MI 48207-1714
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:	NAME NOT REPORTED
Legal Status:	Private
Date Became Current:	19700101
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:	AJAX METAL PROCESSING
Legal Status:	Private
Date Became Current:	19690601
Date Ended Current:	Not reported
Owner/Operator Address:	21777 HOOVER RD

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**AJAX METAL PROCESSING INC (Continued)**

**1000438954**

Owner/Operator City,State,Zip: WARREN, MI 48207  
Owner/Operator Telephone: 586-497-7037  
Owner/Operator Telephone Ext: Not reported  
Owner/Operator Fax: Not reported  
Owner/Operator Email: Not reported

Owner/Operator Indicator: Operator  
Owner/Operator Name: AJAX METAL PROCESSING  
Legal Status: Private  
Date Became Current: 19720101  
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: AJAX METAL PROCESSING  
Legal Status: Private  
Date Became Current: 19720101  
Date Ended Current: Not reported  
Owner/Operator Address: 21777 HOOVER  
Owner/Operator City,State,Zip: WARREN, MI 48089  
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: AJAX METAL PROCESSING  
Legal Status: Private  
Date Became Current: 19720101  
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: AJAX METAL PROCESSING  
Legal Status: Private  
Date Became Current: 19720101  
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: AJAX METAL PROCESSING  
Legal Status: Private

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**AJAX METAL PROCESSING INC (Continued)**

**1000438954**

Date Became Current: 19720101  
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: AJAX METAL PROCESSING  
Legal Status: Private  
Date Became Current: 19720101  
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: AJAX METAL PROCESSING  
Legal Status: Private  
Date Became Current: 19720101  
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: AJAX METAL PROCESSING  
Legal Status: Private  
Date Became Current: 19720101  
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: AJAX METAL PROCESSING  
Legal Status: Private  
Date Became Current: 19720101  
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

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**AJAX METAL PROCESSING INC (Continued)**

**1000438954**

Owner/Operator Indicator:	Operator
Owner/Operator Name:	AJAX METAL PROCESSING
Legal Status:	Private
Date Became Current:	19720101
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:	AJAX METAL PROCESSING
Legal Status:	Private
Date Became Current:	19720101
Date Ended Current:	Not reported
Owner/Operator Address:	4600 BELLEVUE ST
Owner/Operator City,State,Zip:	DETROIT, MI 48207-1714
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:	AJAX METAL PROCESSING
Legal Status:	Private
Date Became Current:	19720101
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:	19930920
Handler Name:	AJAX METAL PROCESSING INC
Federal Waste Generator Description:	Large 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:	No
Non Storage Recycler Activity:	Not reported
Electronic Manifest Broker:	Not reported
Receive Date:	19800922
Handler Name:	AJAX METAL PROCESSING INC
Federal Waste Generator Description:	Small Quantity Generator
State District Owner:	Not reported
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**AJAX METAL PROCESSING INC (Continued)**

**1000438954**

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: 20020214  
Handler Name: AJAX METAL PROCESSING INC  
Federal Waste Generator Description: 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: No  
Non Storage Recycler Activity: Not reported  
Electronic Manifest Broker: Not reported

Receive Date: 20020816  
Handler Name: AJAX METAL PROCESSING INC  
Federal Waste Generator Description: 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: No  
Non Storage Recycler Activity: Not reported  
Electronic Manifest Broker: Not reported

Receive Date: 20030226  
Handler Name: AJAX METAL PROCESSING INC  
Federal Waste Generator Description: Large 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: No  
Non Storage Recycler Activity: Not reported  
Electronic Manifest Broker: Not reported

Receive Date: 20040429  
Handler Name: AJAX METAL PROCESSING INC  
Federal Waste Generator Description: Large 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: No  
Non Storage Recycler Activity: Not reported  
Electronic Manifest Broker: Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**AJAX METAL PROCESSING INC (Continued)**

**1000438954**

Receive Date: 20060222  
Handler Name: AJAX METAL PROCESSING INC  
Federal Waste Generator Description: Large 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: No  
Non Storage Recycler Activity: Not reported  
Electronic Manifest Broker: Not reported

Receive Date: 20080225  
Handler Name: AJAX METAL PROCESSING INC  
Federal Waste Generator Description: Large 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: No  
Non Storage Recycler Activity: Not reported  
Electronic Manifest Broker: Not reported

Receive Date: 20090306  
Handler Name: AJAX METAL PROCESSING INC  
Federal Waste Generator Description: Large 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: No  
Non Storage Recycler Activity: Not reported  
Electronic Manifest Broker: Not reported

Receive Date: 20110418  
Handler Name: AJAX METAL PROCESSING INC  
Federal Waste Generator Description: Large 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: No  
Non Storage Recycler Activity: Not reported  
Electronic Manifest Broker: Not reported

Receive Date: 20120605  
Handler Name: AJAX METAL PROCESSING INC  
Federal Waste Generator Description: Large Quantity Generator  
State District Owner: Not reported  
Large Quantity Handler of Universal Waste: No

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
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**AJAX METAL PROCESSING INC (Continued)**

**1000438954**

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: 20131126  
Handler Name: AJAX METAL PROCESSING INC  
Federal Waste Generator Description: Large 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: No  
Non Storage Recycler Activity: Not reported  
Electronic Manifest Broker: Not reported

Receive Date: 20140407  
Handler Name: AJAX METAL PROCESSING INC  
Federal Waste Generator Description: Large 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: No  
Non Storage Recycler Activity: Not reported  
Electronic Manifest Broker: Not reported

Receive Date: 20150501  
Handler Name: AJAX METAL PROCESSING INC  
Federal Waste Generator Description: Large 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: No  
Non Storage Recycler Activity: Not reported  
Electronic Manifest Broker: Not reported

Receive Date: 20160510  
Handler Name: AJAX METAL PROCESSING INC  
Federal Waste Generator Description: 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: No

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**AJAX METAL PROCESSING INC (Continued)**

**1000438954**

Non Storage Recycler Activity: Not reported  
Electronic Manifest Broker: Not reported

Receive Date: 20170310  
Handler Name: AJAX METAL PROCESSING INC  
Federal Waste Generator Description: Large 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: No  
Non Storage Recycler Activity: Not reported  
Electronic Manifest Broker: Not reported

Receive Date: 20180328  
Handler Name: AJAX METAL PROCESSING INC  
Federal Waste Generator Description: Large 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: No  
Non Storage Recycler Activity: Not reported  
Electronic Manifest Broker: Not reported

Receive Date: 20190402  
Handler Name: AJAX METAL PROCESSING INC  
Federal Waste Generator Description: Large 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: No  
Non Storage Recycler Activity: Not reported  
Electronic Manifest Broker: Not reported

Receive Date: 20220509  
Handler Name: AJAX METAL PROCESSING INC  
Federal Waste Generator Description: Large 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: No  
Electronic Manifest Broker: No

Receive Date: 19940215  
Handler Name: AJAX METAL PROCESSING INCORPORATED

Map ID  
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MAP FINDINGS

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Database(s)

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**AJAX METAL PROCESSING INC (Continued)**

**1000438954**

Federal Waste Generator Description: Large 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: No  
Non Storage Recycler Activity: Not reported  
Electronic Manifest Broker: Not reported

Receive Date: 19960223  
Handler Name: AJAX METAL PROCESSING INCORPORATED  
Federal Waste Generator Description: Large 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: No  
Non Storage Recycler Activity: Not reported  
Electronic Manifest Broker: Not reported

Receive Date: 19980219  
Handler Name: AJAX METAL PROCESSING INC.  
Federal Waste Generator Description: Large 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: No  
Non Storage Recycler Activity: Not reported  
Electronic Manifest Broker: Not reported

Receive Date: 20020301  
Handler Name: AJAX METAL PROCESSING  
Federal Waste Generator Description: Large 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: No  
Non Storage Recycler Activity: Not reported  
Electronic Manifest Broker: Not reported

Receive Date: 20040301  
Handler Name: AJAX METAL PROCESSING  
Federal Waste Generator Description: Large Quantity Generator  
State District Owner: Not reported  
Large Quantity Handler of Universal Waste: No  
Recognized Trader Importer: No  
Recognized Trader Exporter: No

Map ID  
Direction  
Distance  
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MAP FINDINGS

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Database(s)

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**AJAX METAL PROCESSING INC (Continued)**

**1000438954**

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: 20060301  
Handler Name: AJAX METAL PROCESSING  
Federal Waste Generator Description: Large 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: No  
Non Storage Recycler Activity: Not reported  
Electronic Manifest Broker: Not reported

Receive Date: 20080301  
Handler Name: AJAX METAL PROCESSING INC  
Federal Waste Generator Description: Large 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: No  
Non Storage Recycler Activity: Not reported  
Electronic Manifest Broker: Not reported

Receive Date: 20100216  
Handler Name: AJAX METAL PROCESSING INC  
Federal Waste Generator Description: 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: No  
Non Storage Recycler Activity: Not reported  
Electronic Manifest Broker: Not reported

Receive Date: 20120313  
Handler Name: AJAX METAL PROCESSING INC  
Federal Waste Generator Description: Large 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: No  
Non Storage Recycler Activity: Not reported  
Electronic Manifest Broker: Not reported

Map ID  
Direction  
Distance  
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MAP FINDINGS

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Database(s)

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**AJAX METAL PROCESSING INC (Continued)**

**1000438954**

Receive Date: 20140228  
Handler Name: AJAX METAL PROCESSING  
Federal Waste Generator Description: Large 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: No  
Non Storage Recycler Activity: Not reported  
Electronic Manifest Broker: Not reported

Receive Date: 20160226  
Handler Name: AJAX METAL PROCESSING  
Federal Waste Generator Description: Large 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: No  
Non Storage Recycler Activity: Not reported  
Electronic Manifest Broker: Not reported

Receive Date: 20180216  
Handler Name: AJAX METAL PROCESSING INC  
Federal Waste Generator Description: Large 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: No  
Non Storage Recycler Activity: No  
Electronic Manifest Broker: No

Receive Date: 20200226  
Handler Name: AJAX METAL PROCESSING INC  
Federal Waste Generator Description: Large 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: No  
Non Storage Recycler Activity: No  
Electronic Manifest Broker: No

Receive Date: 20220225  
Handler Name: AJAX METAL PROCESSING INC  
Federal Waste Generator Description: Large Quantity Generator  
State District Owner: Not reported  
Large Quantity Handler of Universal Waste: No

Map ID  
Direction  
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Database(s)

EDR ID Number  
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**AJAX METAL PROCESSING INC (Continued)**

**1000438954**

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:	No
Electronic Manifest Broker:	No

List of NAICS Codes and Descriptions:

NAICS Code:	331222
NAICS Description:	STEEL WIRE DRAWING
NAICS Code:	332811
NAICS Description:	METAL HEAT TREATING

Has the Facility Received Notices of Violations:

Found Violation:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	Generators - General
Date Violation was Determined:	20031203
Actual Return to Compliance Date:	20040107
Return to Compliance Qualifier:	Documented
Violation Responsible Agency:	State
Scheduled Compliance Date:	20040112
Enforcement Identifier:	001
Date of Enforcement Action:	20031209
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:	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:	Yes
Agency Which Determined Violation:	State

Map ID  
Direction  
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MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**AJAX METAL PROCESSING INC (Continued)**

**1000438954**

Violation Short Description:	LDR - General
Date Violation was Determined:	19930825
Actual Return to Compliance Date:	19940208
Return to Compliance Qualifier:	Observed
Violation Responsible Agency:	State
Scheduled Compliance Date:	19930927
Enforcement Identifier:	001
Date of Enforcement Action:	19930825
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:	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:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	Generators - Pre-transport
Date Violation was Determined:	19970623
Actual Return to Compliance Date:	19970918
Return to Compliance Qualifier:	Observed
Violation Responsible Agency:	State
Scheduled Compliance Date:	19970721
Enforcement Identifier:	002
Date of Enforcement Action:	19970623
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

Map ID  
Direction  
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**AJAX METAL PROCESSING INC (Continued)**

**1000438954**

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:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	Generators - Pre-transport
Date Violation was Determined:	20200917
Actual Return to Compliance Date:	20200922
Return to Compliance Qualifier:	Documented
Violation Responsible Agency:	State
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	001
Date of Enforcement Action:	20200922
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:	Compliance Communication Letter
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

Map ID  
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MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**AJAX METAL PROCESSING INC (Continued)**

**1000438954**

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
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:	19930805
Actual Return to Compliance Date:	19940208
Return to Compliance Qualifier:	Observed
Violation Responsible Agency:	State
Scheduled Compliance Date:	19930927
Enforcement Identifier:	001
Date of Enforcement Action:	19930825
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

Map ID  
Direction  
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MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**AJAX METAL PROCESSING INC (Continued)**

**1000438954**

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
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

Map ID  
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MAP FINDINGS

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Database(s)

EDR ID Number  
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**AJAX METAL PROCESSING INC (Continued)**

**1000438954**

Violation Short Description:	Generators - Records/Reporting
Date Violation was Determined:	19970623
Actual Return to Compliance Date:	19970918
Return to Compliance Qualifier:	Observed
Violation Responsible Agency:	State
Scheduled Compliance Date:	19970721
Enforcement Identifier:	002
Date of Enforcement Action:	19970623
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:	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

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**AJAX METAL PROCESSING INC (Continued)**

**1000438954**

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

**Evaluation Action Summary:**

Evaluation Date: 20031203  
Evaluation Responsible Agency: State  
Found Violation: Yes  
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION ON-SITE  
Evaluation Responsible Person Identifier: Not reported  
Evaluation Responsible Sub-Organization: Not reported  
Actual Return to Compliance Date: 20040107  
Scheduled Compliance Date: 20040112  
Date of Request: Not reported  
Date Response Received: Not reported  
Request Agency: Not reported  
Former Citation: Not reported

Evaluation Date: 19930805  
Evaluation Responsible Agency: State  
Found Violation: Yes  
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION ON-SITE  
Evaluation Responsible Person Identifier: Not reported  
Evaluation Responsible Sub-Organization: Not reported  
Actual Return to Compliance Date: 19940208  
Scheduled Compliance Date: 19930927  
Date of Request: Not reported  
Date Response Received: Not reported  
Request Agency: Not reported  
Former Citation: Not reported

Evaluation Date: 19970613  
Evaluation Responsible Agency: State  
Found Violation: Yes  
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION ON-SITE  
Evaluation Responsible Person Identifier: Not reported  
Evaluation Responsible Sub-Organization: Not reported  
Actual Return to Compliance Date: 19970918  
Scheduled Compliance Date: 19970721  
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

**AJAX METAL PROCESSING INC (Continued)**

**1000438954**

Evaluation Date: 20200917  
Evaluation Responsible Agency: State  
Found Violation: Yes  
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION ON-SITE  
Evaluation Responsible Person Identifier: Not reported  
Evaluation Responsible Sub-Organization: Not reported  
Actual Return to Compliance Date: 20200922  
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: 20110510  
Evaluation Responsible Agency: State  
Found Violation: No  
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION ON-SITE  
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: 19930805  
Evaluation Responsible Agency: State  
Found Violation: Yes  
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION ON-SITE  
Evaluation Responsible Person Identifier: Not reported  
Evaluation Responsible Sub-Organization: Not reported  
Actual Return to Compliance Date: 19940208  
Scheduled Compliance Date: 19930927  
Date of Request: Not reported  
Date Response Received: Not reported  
Request Agency: Not reported  
Former Citation: Not reported

Evaluation Date: 20070810  
Evaluation Responsible Agency: State  
Found Violation: No  
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION ON-SITE  
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: 19970613  
Evaluation Responsible Agency: State  
Found Violation: Yes  
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION ON-SITE  
Evaluation Responsible Person Identifier: Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**AJAX METAL PROCESSING INC (Continued)**

**1000438954**

Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	19970918
Scheduled Compliance Date:	19970721
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	19870820
Evaluation Responsible Agency:	State
Found Violation:	No
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
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

Facility, Chemical, Releases and Other Waste Management Summary Information:

TRI ID:	48089JXMTL22105
Form Type:	Form R
Reporting year:	2021
Trade secret indicator:	NO
Sanitized indicator:	NO
Title of certifying official:	ENVIRONMENTAL COMPLIANCE OFFICER FRANK BUONO
Certifying officials signature indicator:	ELECTRONIC
Date signed:	2022-06-09
Name:	AJAX METAL PROCESSING INC
Address:	22105 HOOVER RD
City,State,Zip:	WARREN, MI 48089
BIA code:	Not reported
Tribe name:	Not reported
Mailing name:	AJAX METAL PROCESSING INC
Mailing street:	22105 HOOVER RD
Mailing province:	Not reported
Mailing City,State,Zip:	WARREN, MI 48089
Entire facility ind:	YES
Partial facility ind:	NO
Federal facility ind:	NO
Goco facility ind:	NO
Assigned fed facility flag:	NO
Public contact name:	FRANK BUONO
Public contact phone and Ext:	3132672100
Public contact email:	FBUONO@AJAXMETAL.COM
Primary sic code:	Not reported
Sic code 2:	Not reported
Sic code 3:	Not reported
Sic code 4:	Not reported
Sic code 5:	Not reported
Sic code 6:	Not reported
Naics origin:	Not reported
Primary naics code:	332811
Naics code 2:	Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**AJAX METAL PROCESSING INC (Continued)**

**1000438954**

Naics code 3:	Not reported
Naics code 4:	Not reported
Naics code 5:	Not reported
Naics code 6:	Not reported
Latitude:	42.45856
Longitude:	-83.00552
D and B number A:	083942714
D and B number B:	Not reported
RCRA number A:	MID083942714
RCRA number B:	Not reported
RCRA number C:	Not reported
RCRA number D:	Not reported
RCRA number E:	Not reported
RCRA number F:	Not reported
RCRA number G:	Not reported
RCRA number H:	Not reported
NPDES number A:	MIS111142
NPDES number B:	Not reported
NPDES number C:	Not reported
NPDES number D:	Not reported
NPDES number E:	Not reported
NPDES number F:	Not reported
NPDES number G:	Not reported
Parent company name:	AJAX METAL PROCESSING INC
Parent company D and B number:	Not reported
Standardized parent company name:	AJAX METAL PROCESSING INC
Document control number:	1321219688761
TRI ID:	48089JXMTL22105
Cas number:	0007664939
Chemical name:	Sulfuric acid (acid aerosols including mists, vapors, gas, fog, and other airborne forms of any particle size)
Classification:	TRI
Unit of measure:	Pounds
Metal ind:	NO
Revision code 1:	Not reported
Revision code 2:	Not reported
Maximum amount on site:	05
Fugitive air emissions - total release pounds:	Not reported
Fugitive air emissions - total release range code:	A
Total fugitive air emissions:	5
Fugitive air emissions - basis of estimate:	On-Site-Specific Emission Factors
Stack air emissions - release pounds:	Not reported
Stack air emissions - release range code:	A
Total stack air emissions:	5
Stack air emissions - basis of estimate:	On-Site-Specific Emission Factors
Total air emissions:	10
Discharges to stream a - stream name:	NA
Total discharges to stream a:	0
Discharges to stream a - basis of estimate:	Not reported
Discharges to stream a - % from stormwater:	Not reported
Discharges to stream b - stream name:	Not reported
Total discharges to stream b:	Not reported
Discharges to stream b - basis of estimate:	Not reported
Discharges to stream b - % from stormwater:	Not reported
Discharges to stream c - stream name:	Not reported
Total discharges to stream c:	Not reported
Discharges to stream c - basis of estimate:	Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**AJAX METAL PROCESSING INC (Continued)**

**1000438954**

Discharges to stream c - % from stormwater:	Not reported
Discharges to stream d - stream name:	Not reported
Total discharges to stream d:	Not reported
Discharges to stream d - basis of estimate:	Not reported
Discharges to stream d - % from stormwater:	Not reported
Discharges to stream e - stream name:	Not reported
Total discharges to stream e:	Not reported
Discharges to stream e - basis of estimate:	Not reported
Discharges to stream e - % from stormwater:	Not reported
Discharges to stream f - stream name:	Not reported
Total discharges to stream f:	Not reported
Discharges to stream f - basis of estimate:	Not reported
Discharges to stream f - % from stormwater:	Not reported
Discharges to stream g - stream name:	Not reported
Total discharges to stream g:	Not reported
Discharges to stream g - basis of estimate:	Not reported
Discharges to stream g - % from stormwater:	Not reported
Discharges to stream h - stream name:	Not reported
Discharges to stream h - release pounds:	Not reported
Discharges to stream h - release range code:	Not reported
Total discharges to stream h:	Not reported
Discharges to stream h - basis for estimate:	Not reported
Discharges to stream h - % from stormwater:	Not reported
Total number of receiving streams:	0
Total surface water discharge:	0
Total on-site underground inj - pounds:	Not reported
On-site underground inj - basis of estimate:	Not reported
Total on-site ugrnd inj to cl i wells - pounds:	0
On-site underground inj to c1 i wells - basis of estimate:	Not reported
Total on-site ugrnd inj to cl ii-v wells - pounds:	0
On-site ungrnd inj to cl ii-v wells - basis of estimate:	Not reported
Total on-site underground injection:	0
Total on-site landfills:	Not reported
On-site landfills - basis of estimate:	Not reported
Total on-site RCRA subtitle c landfills:	0
On-site RCRA subtitle c landfills - basis of estimate:	Not reported
Total other on-site landfills:	0
Other landfills - basis of estimate:	Not reported
Total on-site land treatment:	0
Land trtmt/appl farming - basis of estimate:	Not reported
Total surface impoundments:	Not reported
Surface impoundment - basis of estimate:	Not reported
Total RCRA c surface impoundments:	0
RCRA c Surface impoundment - basis of estimate:	Not reported
Total other surface impoundments:	0
Other surface impoundment - basis of estimate:	Not reported
Total other disposal:	0
Other disposal - basis of estimate:	Not reported
Total on-site land releases:	0
Total on-site releases:	10
Off-site - POTW releases:	0
Off-site - storage only:	0
Off-site - solid/stab - metals:	0
Off-site - wastewater treatment release - metals:	0
Off-site - solid/stab - release - metals:	0
Off-site - wastewater treatment - metals:	0
Off-site - underground injection:	0

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**AJAX METAL PROCESSING INC (Continued)**

**1000438954**

Off-site - underground injection - class 1 wells:	0
Off-site - underground injection - class ii-v wells:	0
Off-site - landfills/disposal surface impoundments:	0
Off-site - surface impoundment:	0
Off-site - RCRA subtitle c surface impoundments:	0
Off-site - other surface impoundments:	0
Off-site - other landfills:	0
Off-site - RCRA subtitle c landfills:	0
Off-site - disposal - land treatment:	0
Off-site - disposal - other land disposal:	0
Off-site - disposal - other off-site management:	0
Off-site - disposal - transfer to waste broker:	0
Off-site - disposal - unknown:	0
Total transferred off site for disposal:	0
Off-site - recycling - solvents/organics recovery:	0
Off-site - recycling -metals recovery:	0
Off-site - recycling - other reuse or recovery:	0
Off-site - recycling - acid regeneration:	0
Off-site - recycling - transfer to waste broker:	0
Total transferred off site for recycling:	0
Off-site - energy recovery:	0
Off-site - transfer to waste broker for energy recovery:	0
Total transferred off site for energy recovery:	0
Off-site - POTW treatment:	0
Off-site - solid/stab treatment - non metals:	0
Off-site -incineration/thermal treatment:	0
Off-site - incineration/insignificant heat value:	0
Off-site - wastewater treatment - non-metals:	0
Off-site - other waste treatment:	0
Off-site - transfer to waste broker - waste treatment:	0
Total transferred off site for treatment:	0
Off-site - transfer to waste broker:	0
Total transferred off site for further waste management:	0
Total POTW transfer:	0
Energy recovery on site current year:	0
Recycled on site current year:	0
Treated on site current year:	0
Total on-site waste management:	0
On-site energy recovery method 1:	Not Applicable
On-site energy recovery method 2:	Not reported
On-site energy recovery method 3:	Not Applicable
On-site energy recovery method 4:	Not reported
On-site recycling processes method 1:	Not Applicable
On-site recycling processes method 2:	Not reported
On-site recycling processes method 3:	Not reported
On-site recycling processes method 4:	Not reported
On-site recycling processes method 5:	Not reported
On-site recycling processes method 6:	Not reported
On-site recycling processes method 7:	Not reported
FRS Facility ID:	110000405311
Elemental Metal Included:	NO
Waste Rock Pile managed Indicator:	0
Waste Rock Quantity:	Not reported
Off Site - POTW Releases 81C:	0
Off Site - POTW Releases 81D:	0
Assigned Partial Facility Flag:	NO
Case Number:	7664-93-9

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**AJAX METAL PROCESSING INC (Continued)**

**1000438954**

Mixture Name: NA  
Clean Air Act Ind: NO  
Carcinogen Ind: NO  
PFAS Ind: NO

**Chemical Activities and Uses:**

Cas number: 0007664939  
Document control number: 1321219688761  
Chemical name: Sulfuric acid (acid aerosols including mists, vapors, gas, fog, and other airborne forms of any particle size)

Classification: TRI  
Unit of measure: Pounds  
Produce the chemical: No  
Import the chemical: No  
On-site use of the chemical: No  
Sale or distribution of the chemical: No  
As a byproduct: No  
As a manufactured impurity: No  
Used as a reactant: No  
P101 feedstocks: No  
P102 raw materials: No  
P103 intermediates: No  
P104 initiators: No  
P199 other: No  
Added as a formulation component: No  
P201 additives: No  
P202 dyes: No  
P203 reaction diluents: No  
P204 initiators: No  
P205 solvents: No  
P206 inhibitors: No  
P207 emulsifiers: No  
P208 surfactants: No  
P209 lubricants: No  
P210 flame retardants: No  
P211 rheological modifiers: No  
P299 other: No  
Used as an article component: No  
Repackaging: No  
As a process impurity: No  
Processed / recycling: No  
Used as a chemical processing aid: Yes  
Z101 process solvents: No  
Z102 catalysts: No  
Z103 inhibitors: No  
Z104 initiators: No  
Z105 reaction terminators: No  
Z106 solution buffers: No  
Z199 other: Yes  
Used as a manufacturing aid: No  
Z201 process lubricants: No  
Z202 metalworking fluids: No  
Z203 coolants: No  
Z204 refrigerants: No  
Z205 hydraulic fluids: No  
Z299 other: No  
Ancillary or other use: No  
Z301 cleaner: No

Map ID  
Direction  
Distance  
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MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**AJAX METAL PROCESSING INC (Continued)**

**1000438954**

Z302 degreaser:	No
Z303 lubricant:	No
Z304 fuel:	No
Z305 flame retardant:	No
Z306 waste treatment:	No
Z307 water treatment:	No
Z308 construction materials:	No
Z399 other:	No
Submitted Facility Name:	AJAX METAL PROCESSING INC
Submitted Street:	22105 HOOVER RD
Submitted City:	WARREN
Submitted County:	MACOMB
Submitted State:	MI
Submitted Zip Code:	48089
Submitted BIA Code:	Not reported
Submitted Tribe Name:	Not reported
Submitted Parent Company Name:	AJAX METAL PROCESSING INC
Submitted Parent Company DB Number:	Not reported
Submitted Standardized Parent Company Name:	AJAX METAL PROCESSING INC
Submitted Primary NAICS Code:	332811
Submitted Industry Code:	332
Submitted Industry Name:	Fabricated Metals
Industry Code:	332
Industry Name:	Fabricated Metals
Last year the facility reported:	2021
First year the facility reported:	1987
Number of forms submitted:	1
Total number of forms submitted:	34
Assigned Agency:	Not reported

**Detailed On-site Waste Treatment Methods and Efficiency:**

Cas number:	0007664939
Document control number:	1321219688761
Chemical name:	Sulfuric acid (acid aerosols including mists, vapors, gas, fog, and other airborne forms of any particle size)
Classification:	TRI
Unit of measure:	Pounds
Stream 1 - waste stream code:	Gaseous (gases, vapors, airborne particulates)
Stream 1 - trtmt method - sequence 1:	Scrubber
Stream 1 - trtmt method - sequence 2:	Not reported
Stream 1 - trtmt method - sequence 3:	Not reported
Stream 1 - trtmt method - sequence 4:	Not reported
Stream 1 - trtmt method - sequence 5:	Not reported
Stream 1 - trtmt method - sequence 6:	Not reported
Stream 1 - trtmt method - sequence 7:	Not reported
Stream 1 - trtmt method - sequence 8:	Not reported
Stream 1 - based on operating data:	NO
Stream 2 - waste stream code:	Not reported
Stream 2 - trtmt method - sequence 1:	Not reported
Stream 2 - trtmt method - sequence 2:	Not reported
Stream 2 - trtmt method - sequence 3:	Not reported
Stream 2 - trtmt method - sequence 4:	Not reported
Stream 2 - trtmt method - sequence 5:	Not reported
Stream 2 - trtmt method - sequence 6:	Not reported
Stream 2 - trtmt method - sequence 7:	Not reported
Stream 2 - trtmt method - sequence 8:	Not reported

Map ID  
Direction  
Distance  
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MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**AJAX METAL PROCESSING INC (Continued)**

**1000438954**

Stream 2 - based on operating data:	Not reported
Stream 3 - waste stream code:	Not reported
Stream 3 - trtmt method - sequence 1:	Not reported
Stream 3 - trtmt method - sequence 2:	Not reported
Stream 3 - trtmt method - sequence 3:	Not reported
Stream 3 - trtmt method - sequence 4:	Not reported
Stream 3 - trtmt method - sequence 5:	Not reported
Stream 3 - trtmt method - sequence 6:	Not reported
Stream 3 - trtmt method - sequence 7:	Not reported
Stream 3 - trtmt method - sequence 8:	Not reported
Stream 3 - based on operating data:	Not reported
Stream 4 - waste stream code:	Not reported
Stream 4 - trtmt method - sequence 1:	Not reported
Stream 4 - trtmt method - sequence 2:	Not reported
Stream 4 - trtmt method - sequence 3:	Not reported
Stream 4 - trtmt method - sequence 4:	Not reported
Stream 4 - trtmt method - sequence 5:	Not reported
Stream 4 - trtmt method - sequence 6:	Not reported
Stream 4 - trtmt method - sequence 7:	Not reported
Stream 4 - trtmt method - sequence 8:	Not reported
Stream 4 - based on operating data:	Not reported
Stream 5 - waste stream code:	Not reported
Stream 5 - trtmt method - sequence 1:	Not reported
Stream 5 - trtmt method - sequence 2:	Not reported
Stream 5 - trtmt method - sequence 3:	Not reported
Stream 5 - trtmt method - sequence 4:	Not reported
Stream 5 - trtmt method - sequence 5:	Not reported
Stream 5 - trtmt method - sequence 6:	Not reported
Stream 5 - trtmt method - sequence 7:	Not reported
Stream 5 - trtmt method - sequence 8:	Not reported
Stream 5 - based on operating data:	Not reported

**FINDS:**

Registry ID: 110000405311

[Click Here for FRS Facility Detail Report:](#)

**Environmental Interest/Information System:**

US EPA TRIS (Toxics Release Inventory System) contains information from facilities on the amounts of over 300 listed toxic chemicals that these facilities release directly to air, water, land, or that are transported off-site.

US National Pollutant Discharge Elimination System (NPDES) module of the Compliance Information System (ICIS) tracks surface water permits issued under the Clean Water Act. Under NPDES, all facilities that discharge pollutants from any point source into waters of the United States are required to obtain a permit. The permit will likely contain limits on what can be discharged, impose monitoring and reporting requirements, and include other provisions to ensure that the discharge does not adversely affect water quality.

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**AJAX METAL PROCESSING INC (Continued)**

**1000438954**

HAZARDOUS WASTE BIENNIAL REPORTER

[Click this hyperlink](#) while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

**ECHO:**

Envid: 1000438954  
Registry ID: 110000405311  
DFR URL: <http://echo.epa.gov/detailed-facility-report?fid=110000405311>  
Name: AJAX METAL PROCESSING INC  
Address: 22105 HOOVER RD.  
City,State,Zip: WARREN, MI 48089

**L40**  
**SSW**  
**1/8-1/4**  
**0.153 mi.**  
**810 ft.**

**ETHONE-OMI (FORMER)**  
**21441 AND 21445 HOOVER**  
**WARREN, MI 48089**

**MI INVENTORY**  
**MI BEA**  
**MI VCP**

**S127094245**  
**N/A**

**Site 5 of 8 in cluster L**

**Relative:**  
**Higher**

**Actual:**  
**625 ft.**

**INVENTORY:**

Name: ETHONE-OMI - FORMER  
Address: 21441 21445 HOOVER  
City,State,Zip: WARREN, MI 48089  
Township: Not reported  
District: Warren  
Data Source: Risks Present and Require Action in Short-term  
Lust Name: Not reported  
Regulatory Program: 201  
Release Status: Not reported  
Project Manager: Adolphues, Ira  
Latitude: 42.45426279  
Longitude: -83.00848178

**BEA:**

Name: ETHONE-OMI (FORMER)  
Address: 21441 AND 21445 HOOVER  
City,State,Zip: WARREN, MI 48089  
Secondary Address: Not reported  
BEA Number: Not reported  
District: Not reported  
Date Received: 11/14/2013  
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: 50000942  
Submittal Type: Baseline Environmental Assessment  
Submittal Number: B201305797LV  
Approval Status: RRD Received  
Workflow Status: Submitted  
Date Submitted: 2013-11-20 08:45:05  
Date Completed: Not reported  
Township: Not reported  
Work Unit: Warren  
Comments: Records Manager: Box 43 No RC To Lansing for scanning: 1/29/16 Also

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**ETHONE-OMI (FORMER) (Continued)**

**S127094245**

Organization:	see BEA #'s 1370, 1371, 2068, 2069 & 3829.
Contact:	Isabella Ventures, LLC
Contact Type:	Cardno ATC
Organization Street Address:	Submitter Contact
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:	ETHONE-OMI (FORMER)
Address:	21441 AND 21445 HOOVER
City,State,Zip:	WARREN, MI 48089
Secondary Address:	Not reported
BEA Number:	Not reported
District:	Not reported
Date Received:	03/25/2008
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:	50000942
Submittal Type:	Baseline Environmental Assessment
Submittal Number:	B200803829LV
Approval Status:	RRD Received
Workflow Status:	Submitted
Date Submitted:	2008-03-27 15:58:04
Date Completed:	Not reported
Township:	Not reported
Work Unit:	Warren
Comments:	Records Manager: Box 168 To Lansing for scanning on 4/8/16
Organization:	NL Ventures VI Hoover, LLC
Contact:	Bureau Veritas North America, Inc.
Contact Type:	Submitter Contact
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:	ETHONE-OMI (FORMER)
Address:	21441 AND 21445 HOOVER
City,State,Zip:	WARREN, MI 48089
Secondary Address:	Not reported
BEA Number:	Not reported
District:	Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**ETHONE-OMI (FORMER) (Continued)**

**S127094245**

Date Received: 07/16/2003  
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: 50000942  
Submittal Type: Baseline Environmental Assessment  
Submittal Number: B200302069LV  
Approval Status: RRD Received  
Workflow Status: Submitted  
Date Submitted: 2004-01-31 07:29:04  
Date Completed: Not reported  
Township: Not reported  
Work Unit: Warren  
Comments: Not reported  
Organization: Enterprise Automotive Systems, Inc.  
Contact: Clayton Group Services  
Contact Type: Submitter Contact  
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: ETHONE-OMI (FORMER)  
Address: 21441 AND 21445 HOOVER  
City,State,Zip: WARREN, MI 48089  
Secondary Address: Not reported  
BEA Number: Not reported  
District: Not reported  
Date Received: 07/16/2003  
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: 50000942  
Submittal Type: Baseline Environmental Assessment  
Submittal Number: B200302068LV  
Approval Status: RRD Received  
Workflow Status: Submitted  
Date Submitted: 2004-01-31 07:29:04  
Date Completed: Not reported  
Township: Not reported  
Work Unit: Warren  
Comments: Not reported  
Organization: Hoover Properties, LLC  
Contact: Clayton Group Services

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**ETHONE-OMI (FORMER) (Continued)**

**S127094245**

Contact Type:	Submitter Contact
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:	ETHONE-OMI (FORMER)
Address:	21441 AND 21445 HOOVER
City,State,Zip:	WARREN, MI 48089
Secondary Address:	Not reported
BEA Number:	Not reported
District:	Not reported
Date Received:	05/07/2001
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:	50000942
Submittal Type:	Baseline Environmental Assessment
Submittal Number:	B200101371LV
Approval Status:	RRD Received
Workflow Status:	Submitted
Date Submitted:	2004-01-31 07:29:04
Date Completed:	Not reported
Township:	Not reported
Work Unit:	Warren
Comments:	Not reported
Organization:	Machining Enterprises, Inc.
Contact:	Mr. Fred Schriever
Contact Type:	Submitter Contact
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:	ETHONE-OMI - FORMER
Address:	21441 21445 HOOVER
City,State,Zip:	WARREN, MI 48089
Secondary Address:	Not reported
BEA Number:	Not reported
District:	Not reported
Date Received:	07/16/2003
Submitter Name:	Not reported
Petition Determination:	Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**ETHONE-OMI (FORMER) (Continued)**

**S127094245**

Petition Disclosure: Not reported  
Category: Not reported  
Determination 20107A: Not reported  
Reviewer: Not reported  
Division Assigned: Not reported  
Location ID: 50000942  
Submittal Type: Not reported  
Submittal Number: B200302068LV  
Approval Status: RRD Received  
Workflow Status: Submitted  
Date Submitted: 2004-01-31 07:29:04  
Date Completed: Not reported  
Township: Not reported  
Work Unit: Warren  
Comments: Not reported  
Organization: Hoover Properties, LLC  
Contact: Clayton Group Services, Migrate from ERNIE  
Contact Type: Not reported  
Organization Street Address: 23010 East Industrial Drive  
Organization City: St. Clair Shores  
Organization State: MI  
Organization Zip Code: 48080  
Organization County: Not reported  
Contact Street Address: 39830 Grand River Avenue, Suite B-2  
Contact City: Novi  
Contact Zip Code: 48375  
Contact State: MI

Name: ETHONE-OMI - FORMER  
Address: 21441 21445 HOOVER  
City,State,Zip: WARREN, MI 48089  
Secondary Address: Not reported  
BEA Number: Not reported  
District: Not reported  
Date Received: 07/16/2003  
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: 50000942  
Submittal Type: Not reported  
Submittal Number: B200302069LV  
Approval Status: RRD Received  
Workflow Status: Submitted  
Date Submitted: 2004-01-31 07:29:04  
Date Completed: Not reported  
Township: Not reported  
Work Unit: Warren  
Comments: Not reported  
Organization: Enterprise Automotive Systems, Inc.  
Contact: Clayton Group Services, Migrate from ERNIE  
Contact Type: Not reported  
Organization Street Address: 21445 Hoover Road  
Organization City: Warren

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**ETHONE-OMI (FORMER) (Continued)**

**S127094245**

Organization State:	MI
Organization Zip Code:	48089
Organization County:	Not reported
Contact Street Address:	39830 Grand River Avenue, Suite B-2
Contact City:	Novi
Contact Zip Code:	48375
Contact State:	MI
Name:	ETHONE-OMI - FORMER
Address:	21441 21445 HOOVER
City,State,Zip:	WARREN, MI 48089
Secondary Address:	Not reported
BEA Number:	Not reported
District:	Not reported
Date Received:	05/04/2001
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:	50000942
Submittal Type:	Not reported
Submittal Number:	B200101370LV
Approval Status:	RRD Received
Workflow Status:	Submitted
Date Submitted:	2004-01-31 07:29:04
Date Completed:	Not reported
Township:	Not reported
Work Unit:	Warren
Comments:	Not reported
Organization:	Hoover Properties, LLC
Contact:	Mr. Fred G. Schriever, Migrate from ERNIE
Contact Type:	Not reported
Organization Street Address:	19950 Harper Avenue
Organization City:	Harper Woods
Organization State:	MI
Organization Zip Code:	48236
Organization County:	Not reported
Contact Street Address:	Hoover Properties, L.L.C.
Contact City:	Harper Woods
Contact Zip Code:	48236
Contact State:	MI
Name:	ETHONE-OMI - FORMER
Address:	21441 21445 HOOVER
City,State,Zip:	WARREN, MI 48089
Secondary Address:	Not reported
BEA Number:	Not reported
District:	Not reported
Date Received:	05/07/2001
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

**ETHONE-OMI (FORMER) (Continued)**

**S127094245**

Reviewer:	Not reported
Division Assigned:	Not reported
Location ID:	50000942
Submittal Type:	Not reported
Submittal Number:	B200101371LV
Approval Status:	RRD Received
Workflow Status:	Submitted
Date Submitted:	2004-01-31 07:29:04
Date Completed:	Not reported
Township:	Not reported
Work Unit:	Warren
Comments:	Not reported
Organization:	Machining Enterprises, Inc.
Contact:	Mr. Fred Schriever, Migrate from ERNIE
Contact Type:	Not reported
Organization Street Address:	11400 Toepfer
Organization City:	Warren
Organization State:	MI
Organization Zip Code:	48089
Organization County:	Not reported
Contact Street Address:	Machining Enterprises, Inc.
Contact City:	Warren
Contact Zip Code:	48089
Contact State:	MI
Name:	ETHONE-OMI - FORMER
Address:	21441 21445 HOOVER
City,State,Zip:	WARREN, MI 48089
Secondary Address:	Not reported
BEA Number:	Not reported
District:	Not reported
Date Received:	03/25/2008
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:	50000942
Submittal Type:	Not reported
Submittal Number:	B200803829LV
Approval Status:	RRD Received
Workflow Status:	Submitted
Date Submitted:	2008-03-27 15:58:04
Date Completed:	Not reported
Township:	Not reported
Work Unit:	Warren
Comments:	Records Manager: Box 168 To Lansing for scanning on 4/8/16
Organization:	NL Ventures VI Hoover, LLC
Contact:	Bureau Veritas North America, Inc., Migrate from ERNIE
Contact Type:	Not reported
Organization Street Address:	8080 North Central Expressway, Suite 122
Organization City:	Dallas
Organization State:	TX
Organization Zip Code:	75206
Organization County:	Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**ETHONE-OMI (FORMER) (Continued)**

**S127094245**

Contact Street Address:	45525 Grand River Avenue
Contact City:	Novi
Contact Zip Code:	48374
Contact State:	MI
Name:	ETHONE-OMI - FORMER
Address:	21441 21445 HOOVER
City,State,Zip:	WARREN, MI 48089
Secondary Address:	Not reported
BEA Number:	Not reported
District:	Not reported
Date Received:	11/14/2013
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:	50000942
Submittal Type:	Not reported
Submittal Number:	B201305797LV
Approval Status:	RRD Received
Workflow Status:	Submitted
Date Submitted:	2013-11-20 08:45:05
Date Completed:	Not reported
Township:	Not reported
Work Unit:	Warren
Comments:	Records Manager: Box 43 No RC To Lansing for scanning: 1/29/16 Also see BEA #'s 1370, 1371, 2068, 2069 & 3829.
Organization:	Isabella Ventures, LLC
Contact:	Cardno ATC, Migrate from ERNIE
Contact Type:	Not reported
Organization Street Address:	Mr. Ramiz Sheena
Organization City:	Auburn Hills
Organization State:	MI
Organization Zip Code:	48326
Organization County:	Not reported
Contact Street Address:	Kevin LaForge
Contact City:	Novi
Contact Zip Code:	48377
Contact State:	MI
Name:	ETHONE-OMI (FORMER)
Address:	21441 AND 21445 HOOVER
City,State,Zip:	WARREN, MI 48089
Secondary Address:	Not reported
BEA Number:	Not reported
District:	Not reported
Date Received:	05/04/2001
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

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**ETHONE-OMI (FORMER) (Continued)**

**S127094245**

Location ID: 50000942  
Submittal Type: Baseline Environmental Assessment  
Submittal Number: B200101370LV  
Approval Status: RRD Received  
Workflow Status: Submitted  
Date Submitted: 2004-01-31 07:29:04  
Date Completed: Not reported  
Township: Not reported  
Work Unit: Warren  
Comments: Not reported  
Organization: Hoover Properties, L.L.C.  
Contact: Mr. Fred G. Schriever  
Contact Type: Submitter Contact  
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

**VCP:**

Location ID: 50000942  
Name: ETHONE-OMI - FORMER  
Address: 21441 21445 HOOVER  
City,State,Zip: WARREN, MI 48089  
Location Type: Part 201 site  
Township: Not reported  
Work Unit: Warren  
Project Manager: Adolphues, Ira  
Risk Condition: Risks Present and Require Action in Short-term  
Latitude: 42.45426279  
Longitude: -83.00848178

**L41**  
**SSW**  
**1/8-1/4**  
**0.153 mi.**  
**810 ft.**

**EMERALD BUSINESS PARK**  
**21445 HOOVER RD**  
**WARREN, MI 48089**

**RCRA NonGen / NLR**

**1014955040**  
**MIK763415207**

**Site 6 of 8 in cluster L**

**Relative:**  
**Higher**

**Actual:**  
**625 ft.**

**RCRA Listings:**

Date Form Received by Agency:  
Handler Name:  
Handler Address:  
Handler City,State,Zip:  
EPA ID:  
Contact Name:  
Contact Address:  
Contact City,State,Zip:  
Contact Telephone:  
Contact Fax:  
Contact Email:  
Contact Title:  
EPA Region:  
Land Type:

20201008  
Emerald Business Park  
21445 HOOVER RD  
WARREN, MI 48089  
MIK763415207  
DERRICK GERGIS  
Not reported  
Not reported  
248-802-8118  
Not reported  
DERRICK@MGMT10.COM  
Not reported  
05  
Private

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**EMERALD BUSINESS PARK (Continued)**

**1014955040**

Federal Waste Generator Description:	Not a generator, verified
Non-Notifier:	Not reported
Biennial Report Cycle:	Not reported
Accessibility:	Not reported
Active Site Indicator:	Not reported
State District Owner:	Not reported
State District:	Not reported
Mailing Address:	108 S MAIN ST
Mailing City,State,Zip:	ROYAL OAK, MI 48067
Owner Name:	Emerald Business Park
Owner Type:	Private
Operator Name:	Emerald Business Park
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
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:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
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:	20201014
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

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**EMERALD BUSINESS PARK (Continued)**

**1014955040**

Waste Description: Ignitable Waste

Handler - Owner Operator:

Owner/Operator Indicator: Operator  
Owner/Operator Name: NO ACTIVE O/OP AS NOT GENERATING WASTE  
Legal Status: Private  
Date Became Current: 20130316  
Date Ended Current: Not reported  
Owner/Operator Address: 108 S MAIN ST  
Owner/Operator City,State,Zip: ROYAL OAK, MI 48067  
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: DONALD P GIFFIN  
Legal Status: Private  
Date Became Current: 20111201  
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: EMERALD BUSINESS PARK  
Legal Status: Private  
Date Became Current: 20191122  
Date Ended Current: Not reported  
Owner/Operator Address: 108 S MAIN ST  
Owner/Operator City,State,Zip: ROYAL OAK, MI 48067  
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: DONALD P GIFFIN  
Legal Status: Private  
Date Became Current: 20111201  
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: NO ACTIVE O/OP AS NOT GENERATING WASTE  
Legal Status: Private  
Date Became Current: 20130316  
Date Ended Current: Not reported  
Owner/Operator Address: Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**EMERALD BUSINESS PARK (Continued)**

**1014955040**

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: EMERALD BUSINESS PARK	
Legal Status:	Private
Date Became Current:	20191122
Date Ended Current:	Not reported
Owner/Operator Address:	108 S MAIN ST
Owner/Operator City,State,Zip:	ROYAL OAK, MI 48067
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: NO ACTIVE O/OP AS NOT GENERATING WASTE	
Legal Status:	Private
Date Became Current:	20130316
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: EMERALD BUSINESS PARK	
Legal Status:	Private
Date Became Current:	20191122
Date Ended Current:	Not reported
Owner/Operator Address:	108 S MAIN ST
Owner/Operator City,State,Zip:	ROYAL OAK, MI 48067
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: EMERALD BUSINESS PARK	
Legal Status:	Private
Date Became Current:	20191122
Date Ended Current:	Not reported
Owner/Operator Address:	108 S MAIN ST
Owner/Operator City,State,Zip:	ROYAL OAK, MI 48067
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: NO ACTIVE O/OP AS NOT GENERATING WASTE	
Legal Status:	Private

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**EMERALD BUSINESS PARK (Continued)**

**1014955040**

Date Became Current: 20130316  
Date Ended Current: Not reported  
Owner/Operator Address: 108 S MAIN ST  
Owner/Operator City,State,Zip: ROYAL OAK, MI 48067  
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: 20120523  
Handler Name: GIFFIN INC  
Federal Waste Generator Description: 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: No  
Non Storage Recycler Activity: Not reported  
Electronic Manifest Broker: Not reported

Receive Date: 20140630  
Handler Name: GIFFIN INC  
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: 20200915  
Handler Name: EMERALD BUSINESS PARK  
Federal Waste Generator Description: Large 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: No  
Non Storage Recycler Activity: Not reported  
Electronic Manifest Broker: Not reported

Receive Date: 20201008  
Handler Name: EMERALD BUSINESS PARK  
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

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**EMERALD BUSINESS PARK (Continued)**

**1014955040**

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:	531311
NAICS Description:	RESIDENTIAL PROPERTY MANAGERS

NAICS Code:	811121
NAICS Description:	AUTOMOTIVE BODY, PAINT, AND INTERIOR REPAIR AND MAINTENANCE

Has the Facility Received Notices of Violations:

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
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:	20210212
Evaluation Responsible Agency:	State
Found Violation:	No
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**EMERALD BUSINESS PARK (Continued)**

**1014955040**

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

**L42**  
**SSW**  
**1/8-1/4**  
**0.153 mi.**  
**810 ft.**

**21445 HOOVER PROPERTY**  
**21445 HOOVER ROAD**  
**WARREN, MI 48089**  
**Site 7 of 8 in cluster L**

**US BROWNFIELDS** **1027608810**  
**N/A**

**Relative:**  
**Higher**  
**Actual:**  
**625 ft.**

**US BROWNFIELDS:**

Name:	21445 HOOVER PROPERTY
Address:	21445 HOOVER ROAD
Recipient name:	Macomb County Michigan
Grant type:	Assessment
Region:	5
Property Number:	13-34-426-010
Parcel size:	19.4
Latitude:	42.45444499
Longitude:	-83.00915098
HCM Label:	Not reported
Map Scale:	Not reported
Point of Reference:	Not reported
Highlights:	The property was residential from at least 1937 until the 1940s. Land disturbance, consistent with filling operations, was located on the eastern and/or southern portions of the property between at least the late 1930s and 1967. The main building was constructed in the central portion at various times between 1953 and 1974 and the former administrative building was constructed in the eastern portion in 1963. Additionally, a water tower was constructed in the eastern-central portion and a railroad spur was constructed in the northern portion of the subject property during the 1950s. Historical building operations consisted of various chemical and manufacturing companies that were involved in metal finishing and research and development associated with electroplating processes from initial construction to the late 2000s, warehousing and storage activities between at least 2010 and 2018, and refrigerator assembly between at least 2013 and 2018. The buildings have been vacant of occupants or undergoing interior renovations since 2019 for use as a cannabis grow operation.
Datum:	Not reported
Acres Property ID:	253513
IC Data Access:	Not reported
Start Date:	Not reported
Redev Completion Date:	Not reported
Completed Date:	Not reported
Acres Cleaned Up:	Not reported
Cleanup Funding:	Not reported
Cleanup Funding Source:	Not reported
Assessment Funding:	4820
Assessment Funding Source:	EPA
Redevelopment Funding:	Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**21445 HOOVER PROPERTY (Continued)**

**1027608810**

Redev. Funding Source:	Not reported
Redev. Funding Entity Name:	Not reported
Redevelopment Start Date:	Not reported
Assessment Funding Entity:	US EPA - Brownfields Assessment Cooperative Agreement
Cleanup Funding Entity:	Not reported
Grant Type:	Not reported
Accomplishment Type:	Phase I Environmental Assessment
Accomplishment Count:	Y
Cooperative Agreement Number:	00E02886
Start Date:	6/21/2022
Ownership Entity:	Private
Completion Date:	9/12/2022
Current Owner:	Not reported
Did Owner Change:	Not reported
Cleanup Required:	U
Video Available:	Not reported
Photo Available:	Not reported
Institutional Controls Required:	Not reported
IC Category Proprietary Controls:	Not reported
IC Cat. Info. Devices:	Not reported
IC Cat. Gov. Controls:	Not reported
IC Cat. Enforcement Permit Tools:	Not reported
IC in place date:	Not reported
IC in place:	Not reported
State/tribal program date:	Not reported
State/tribal program ID:	Not reported
State/tribal NFA date:	Not reported
Contaminant Found:	Not reported
Contaminant Cleanup:	Not reported
Media Affected:	Not reported
Media Cleanup:	Not reported
Num. of cleanup and re-dev. jobs:	Not reported
Past use greenspace acreage:	Not reported
Past use residential acreage:	Not reported
Past use commercial acreage:	Not reported
Past use industrial acreage:	19.4
Future use greenspace acreage:	Not reported
Future use residential acreage:	Not reported
Future use commercial acreage:	Not reported
Future use industrial acreage:	Not reported
Superfund Fed. landowner flag:	Not reported
Future Use: Multistory	Not reported
Past Use: Multistory	Not reported
Property Description:	Not reported
Below Poverty Number:	Not reported
Below Poverty Percent:	Not reported
Meidan Income:	Not reported
Meidan Income Number:	Not reported
Meidan Income Percent:	Not reported
Vacant Housing Number:	Not reported
Vacant Housing Percent:	Not reported
Unemployed Number:	Not reported
Unemployed Percent:	Not reported
Name:	21445 HOOVER PROPERTY
Address:	21445 HOOVER ROAD
Recipient name:	Macomb County Michigan

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**21445 HOOVER PROPERTY (Continued)**

**1027608810**

Grant type:	Assessment
Region:	5
Property Number:	13-34-426-010
Parcel size:	19.4
Latitude:	42.45444499
Longitude:	-83.00915098
HCM Label:	Not reported
Map Scale:	Not reported
Point of Reference:	Not reported
Highlights:	The property was residential from at least 1937 until the 1940s. Land disturbance, consistent with filling operations, was located on the eastern and/or southern portions of the property between at least the late 1930s and 1967. The main building was constructed in the central portion at various times between 1953 and 1974 and the former administrative building was constructed in the eastern portion in 1963. Additionally, a water tower was constructed in the eastern-central portion and a railroad spur was constructed in the northern portion of the subject property during the 1950s. Historical building operations consisted of various chemical and manufacturing companies that were involved in metal finishing and research and development associated with electroplating processes from initial construction to the late 2000s, warehousing and storage activities between at least 2010 and 2018, and refrigerator assembly between at least 2013 and 2018. The buildings have been vacant of occupants or undergoing interior renovations since 2019 for use as a cannabis grow operation.
Datum:	Not reported
Acres Property ID:	253513
IC Data Access:	Not reported
Start Date:	Not reported
Redev Completion Date:	Not reported
Completed Date:	Not reported
Acres Cleaned Up:	Not reported
Cleanup Funding:	Not reported
Cleanup Funding Source:	Not reported
Assessment Funding:	Not reported
Assessment Funding Source:	Not reported
Redevelopment Funding:	Not reported
Redev. Funding Source:	Not reported
Redev. Funding Entity Name:	Not reported
Redevelopment Start Date:	Not reported
Assessment Funding Entity:	Not reported
Cleanup Funding Entity:	Not reported
Grant Type:	Not reported
Accomplishment Type:	Not reported
Accomplishment Count:	Not reported
Cooperative Agreement Number:	00E02886
Start Date:	Not reported
Ownership Entity:	Private
Completion Date:	Not reported
Current Owner:	Not reported
Did Owner Change:	Not reported
Cleanup Required:	U
Video Available:	Not reported
Photo Available:	Not reported
Institutional Controls Required:	Not reported
IC Category Proprietary Controls:	Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**21445 HOOVER PROPERTY (Continued)**

**1027608810**

IC Cat. Info. Devices: Not reported  
IC Cat. Gov. Controls: Not reported  
IC Cat. Enforcement Permit Tools: Not reported  
IC in place date: Not reported  
IC in place: Not reported  
State/tribal program date: Not reported  
State/tribal program ID: Not reported  
State/tribal NFA date: Not reported  
Contaminant Found: Not reported  
Contaminant Cleanup: Not reported  
Media Affected: Not reported  
Media Cleanup: Not reported  
Num. of cleanup and re-dev. jobs: Not reported  
Past use greenspace acreage: Not reported  
Past use residential acreage: Not reported  
Past use commercial acreage: Not reported  
Past use industrial acreage: 19.4  
Future use greenspace acreage: Not reported  
Future use residential acreage: Not reported  
Future use commercial acreage: Not reported  
Future use industrial acreage: Not reported  
Superfund Fed. landowner flag: Not reported  
Future Use: Multistory Not reported  
Past Use: Multistory Not reported  
Property Description: Not reported  
Below Poverty Number: Not reported  
Below Poverty Percent: Not reported  
Meidan Income: Not reported  
Meidan Income Number: Not reported  
Meidan Income Percent: Not reported  
Vacant Housing Number: Not reported  
Vacant Housing Percent: Not reported  
Unemployed Number: Not reported  
Unemployed Percent: Not reported

Name: 21445 HOOVER PROPERTY  
Address: 21445 HOOVER ROAD  
Recipient name: Macomb County Michigan  
Grant type: Assessment  
Region: 5  
Property Number: 13-34-426-010  
Parcel size: 19.4  
Latitude: 42.45444499  
Longitude: -83.00915098  
HCM Label: Not reported  
Map Scale: Not reported  
Point of Reference: Not reported  
Highlights:

The property was residential from at least 1937 until the 1940s. Land disturbance, consistent with filling operations, was located on the eastern and/or southern portions of the property between at least the late 1930s and 1967. The main building was constructed in the central portion at various times between 1953 and 1974 and the former administrative building was constructed in the eastern portion in 1963. Additionally, a water tower was constructed in the eastern-central portion and a railroad spur was constructed in the northern portion of the subject property during the 1950s. Historical building operations consisted of various chemical and manufacturing

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**21445 HOOVER PROPERTY (Continued)**

**1027608810**

companies that were involved in metal finishing and research and development associated with electroplating processes from initial construction to the late 2000s, warehousing and storage activities between at least 2010 and 2018, and refrigerator assembly between at least 2013 and 2018. The buildings have been vacant of occupants or undergoing interior renovations since 2019 for use as a cannabis grow operation.

Datum: Not reported  
Acres Property ID: 253513  
IC Data Access: Not reported  
Start Date: Not reported  
Redev Completion Date: Not reported  
Completed Date: Not reported  
Acres Cleaned Up: Not reported  
Cleanup Funding: Not reported  
Cleanup Funding Source: Not reported  
Assessment Funding: Not reported  
Assessment Funding Source: Not reported  
Redevelopment Funding: Not reported  
Redev. Funding Source: Not reported  
Redev. Funding Entity Name: Not reported  
Redevelopment Start Date: Not reported  
Assessment Funding Entity: Not reported  
Cleanup Funding Entity: Not reported  
Grant Type: Not reported  
Accomplishment Type: Not reported  
Accomplishment Count: Not reported  
Cooperative Agreement Number: 00E02886  
Start Date: Not reported  
Ownership Entity: Private  
Completion Date: Not reported  
Current Owner: Not reported  
Did Owner Change: Not reported  
Cleanup Required: U  
Video Available: Not reported  
Photo Available: Not reported  
Institutional Controls Required: Not reported  
IC Category Proprietary Controls: Not reported  
IC Cat. Info. Devices: Not reported  
IC Cat. Gov. Controls: Not reported  
IC Cat. Enforcement Permit Tools: Not reported  
IC in place date: Not reported  
IC in place: Not reported  
State/tribal program date: Not reported  
State/tribal program ID: Not reported  
State/tribal NFA date: Not reported  
Contaminant Found: Not reported  
Contaminant Cleanup: Not reported  
Media Affected: Not reported  
Media Cleanup: Not reported  
Num. of cleanup and re-dev. jobs: Not reported  
Past use greenspace acreage: Not reported  
Past use residential acreage: Not reported  
Past use commercial acreage: Not reported  
Past use industrial acreage: 19.4  
Future use greenspace acreage: Not reported  
Future use residential acreage: Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**21445 HOOVER PROPERTY (Continued)**

**1027608810**

Future use commercial acreage:	Not reported
Future use industrial acreage:	Not reported
Superfund Fed. landowner flag:	Not reported
Future Use: Multistory	Not reported
Past Use: Multistory	Not reported
Property Description:	Not reported
Below Poverty Number:	Not reported
Below Poverty Percent:	Not reported
Meidan Income:	Not reported
Meidan Income Number:	Not reported
Meidan Income Percent:	Not reported
Vacant Housing Number:	Not reported
Vacant Housing Percent:	Not reported
Unemployed Number:	Not reported
Unemployed Percent:	Not reported

Name:	21445 HOOVER PROPERTY
Address:	21445 HOOVER ROAD
Recipient name:	Macomb County Michigan
Grant type:	Assessment
Region:	5
Property Number:	13-34-426-010
Parcel size:	19.4
Latitude:	42.45444499
Longitude:	-83.00915098
HCM Label:	Not reported
Map Scale:	Not reported
Point of Reference:	Not reported

Highlights: The property was residential from at least 1937 until the 1940s. Land disturbance, consistent with filling operations, was located on the eastern and/or southern portions of the property between at least the late 1930s and 1967. The main building was constructed in the central portion at various times between 1953 and 1974 and the former administrative building was constructed in the eastern portion in 1963. Additionally, a water tower was constructed in the eastern-central portion and a railroad spur was constructed in the northern portion of the subject property during the 1950s. Historical building operations consisted of various chemical and manufacturing companies that were involved in metal finishing and research and development associated with electroplating processes from initial construction to the late 2000s, warehousing and storage activities between at least 2010 and 2018, and refrigerator assembly between at least 2013 and 2018. The buildings have been vacant of occupants or undergoing interior renovations since 2019 for use as a cannabis grow operation.

Datum:	Not reported
Acres Property ID:	253513
IC Data Access:	Not reported
Start Date:	Not reported
Redev Completion Date:	Not reported
Completed Date:	Not reported
Acres Cleaned Up:	Not reported
Cleanup Funding:	Not reported
Cleanup Funding Source:	Not reported
Assessment Funding:	480
Assessment Funding Source:	Private Equity
Redevelopment Funding:	Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**21445 HOOVER PROPERTY (Continued)**

**1027608810**

Redev. Funding Source:	Not reported
Redev. Funding Entity Name:	Not reported
Redevelopment Start Date:	Not reported
Assessment Funding Entity:	Private/Other Funding
Cleanup Funding Entity:	Not reported
Grant Type:	Not reported
Accomplishment Type:	Phase I Environmental Assessment
Accomplishment Count:	Y
Cooperative Agreement Number:	00E02886
Start Date:	6/21/2022
Ownership Entity:	Private
Completion Date:	9/12/2022
Current Owner:	Not reported
Did Owner Change:	Not reported
Cleanup Required:	U
Video Available:	Not reported
Photo Available:	Not reported
Institutional Controls Required:	Not reported
IC Category Proprietary Controls:	Not reported
IC Cat. Info. Devices:	Not reported
IC Cat. Gov. Controls:	Not reported
IC Cat. Enforcement Permit Tools:	Not reported
IC in place date:	Not reported
IC in place:	Not reported
State/tribal program date:	Not reported
State/tribal program ID:	Not reported
State/tribal NFA date:	Not reported
Contaminant Found:	Not reported
Contaminant Cleanup:	Not reported
Media Affected:	Not reported
Media Cleanup:	Not reported
Num. of cleanup and re-dev. jobs:	Not reported
Past use greenspace acreage:	Not reported
Past use residential acreage:	Not reported
Past use commercial acreage:	Not reported
Past use industrial acreage:	19.4
Future use greenspace acreage:	Not reported
Future use residential acreage:	Not reported
Future use commercial acreage:	Not reported
Future use industrial acreage:	Not reported
Superfund Fed. landowner flag:	Not reported
Future Use: Multistory	Not reported
Past Use: Multistory	Not reported
Property Description:	Not reported
Below Poverty Number:	Not reported
Below Poverty Percent:	Not reported
Meidan Income:	Not reported
Meidan Income Number:	Not reported
Meidan Income Percent:	Not reported
Vacant Housing Number:	Not reported
Vacant Housing Percent:	Not reported
Unemployed Number:	Not reported
Unemployed Percent:	Not reported
Name:	21445 HOOVER PROPERTY
Address:	21445 HOOVER ROAD
Recipient name:	Macomb County Michigan

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**21445 HOOVER PROPERTY (Continued)**

**1027608810**

Grant type:	Assessment
Region:	5
Property Number:	13-34-426-010
Parcel size:	19.4
Latitude:	42.45444499
Longitude:	-83.00915098
HCM Label:	Not reported
Map Scale:	Not reported
Point of Reference:	Not reported
Highlights:	The property was residential from at least 1937 until the 1940s. Land disturbance, consistent with filling operations, was located on the eastern and/or southern portions of the property between at least the late 1930s and 1967. The main building was constructed in the central portion at various times between 1953 and 1974 and the former administrative building was constructed in the eastern portion in 1963. Additionally, a water tower was constructed in the eastern-central portion and a railroad spur was constructed in the northern portion of the subject property during the 1950s. Historical building operations consisted of various chemical and manufacturing companies that were involved in metal finishing and research and development associated with electroplating processes from initial construction to the late 2000s, warehousing and storage activities between at least 2010 and 2018, and refrigerator assembly between at least 2013 and 2018. The buildings have been vacant of occupants or undergoing interior renovations since 2019 for use as a cannabis grow operation.
Datum:	Not reported
Acres Property ID:	253513
IC Data Access:	Not reported
Start Date:	Not reported
Redev Completion Date:	Not reported
Completed Date:	Not reported
Acres Cleaned Up:	Not reported
Cleanup Funding:	Not reported
Cleanup Funding Source:	Not reported
Assessment Funding:	Not reported
Assessment Funding Source:	Not reported
Redevelopment Funding:	Not reported
Redev. Funding Source:	Not reported
Redev. Funding Entity Name:	Not reported
Redevelopment Start Date:	Not reported
Assessment Funding Entity:	Not reported
Cleanup Funding Entity:	Not reported
Grant Type:	Not reported
Accomplishment Type:	Not reported
Accomplishment Count:	Not reported
Cooperative Agreement Number:	00E02886
Start Date:	Not reported
Ownership Entity:	Private
Completion Date:	Not reported
Current Owner:	Not reported
Did Owner Change:	Not reported
Cleanup Required:	U
Video Available:	Not reported
Photo Available:	Not reported
Institutional Controls Required:	Not reported
IC Category Proprietary Controls:	Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**21445 HOOVER PROPERTY (Continued)**

**1027608810**

IC Cat. Info. Devices:	Not reported
IC Cat. Gov. Controls:	Not reported
IC Cat. Enforcement Permit Tools:	Not reported
IC in place date:	Not reported
IC in place:	Not reported
State/tribal program date:	Not reported
State/tribal program ID:	Not reported
State/tribal NFA date:	Not reported
Contaminant Found:	Not reported
Contaminant Cleanup:	Not reported
Media Affected:	Not reported
Media Cleanup:	Not reported
Num. of cleanup and re-dev. jobs:	Not reported
Past use greenspace acreage:	Not reported
Past use residential acreage:	Not reported
Past use commercial acreage:	Not reported
Past use industrial acreage:	19.4
Future use greenspace acreage:	Not reported
Future use residential acreage:	Not reported
Future use commercial acreage:	Not reported
Future use industrial acreage:	Not reported
Superfund Fed. landowner flag:	Not reported
Future Use: Multistory	Not reported
Past Use: Multistory	Not reported
Property Description:	Not reported
Below Poverty Number:	Not reported
Below Poverty Percent:	Not reported
Meidan Income:	Not reported
Meidan Income Number:	Not reported
Meidan Income Percent:	Not reported
Vacant Housing Number:	Not reported
Vacant Housing Percent:	Not reported
Unemployed Number:	Not reported
Unemployed Percent:	Not reported

Name:	21445 HOOVER PROPERTY
Address:	21445 HOOVER ROAD
Recipient name:	Macomb County Michigan
Grant type:	Assessment
Region:	5
Property Number:	13-34-426-010
Parcel size:	19.4
Latitude:	42.45444499
Longitude:	-83.00915098
HCM Label:	Not reported
Map Scale:	Not reported
Point of Reference:	Not reported

Highlights: The property was residential from at least 1937 until the 1940s. Land disturbance, consistent with filling operations, was located on the eastern and/or southern portions of the property between at least the late 1930s and 1967. The main building was constructed in the central portion at various times between 1953 and 1974 and the former administrative building was constructed in the eastern portion in 1963. Additionally, a water tower was constructed in the eastern-central portion and a railroad spur was constructed in the northern portion of the subject property during the 1950s. Historical building operations consisted of various chemical and manufacturing

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**21445 HOOVER PROPERTY (Continued)**

**1027608810**

companies that were involved in metal finishing and research and development associated with electroplating processes from initial construction to the late 2000s, warehousing and storage activities between at least 2010 and 2018, and refrigerator assembly between at least 2013 and 2018. The buildings have been vacant of occupants or undergoing interior renovations since 2019 for use as a cannabis grow operation.

Datum:	Not reported
Acres Property ID:	253513
IC Data Access:	Not reported
Start Date:	Not reported
Redev Completion Date:	Not reported
Completed Date:	Not reported
Acres Cleaned Up:	Not reported
Cleanup Funding:	Not reported
Cleanup Funding Source:	Not reported
Assessment Funding:	Not reported
Assessment Funding Source:	Not reported
Redevelopment Funding:	Not reported
Redev. Funding Source:	Not reported
Redev. Funding Entity Name:	Not reported
Redevelopment Start Date:	Not reported
Assessment Funding Entity:	Not reported
Cleanup Funding Entity:	Not reported
Grant Type:	Not reported
Accomplishment Type:	Not reported
Accomplishment Count:	Not reported
Cooperative Agreement Number:	00E02886
Start Date:	Not reported
Ownership Entity:	Private
Completion Date:	Not reported
Current Owner:	Not reported
Did Owner Change:	Not reported
Cleanup Required:	U
Video Available:	Not reported
Photo Available:	Not reported
Institutional Controls Required:	Not reported
IC Category Proprietary Controls:	Not reported
IC Cat. Info. Devices:	Not reported
IC Cat. Gov. Controls:	Not reported
IC Cat. Enforcement Permit Tools:	Not reported
IC in place date:	Not reported
IC in place:	Not reported
State/tribal program date:	Not reported
State/tribal program ID:	Not reported
State/tribal NFA date:	Not reported
Contaminant Found:	Not reported
Contaminant Cleanup:	Not reported
Media Affected:	Not reported
Media Cleanup:	Not reported
Num. of cleanup and re-dev. jobs:	Not reported
Past use greenspace acreage:	Not reported
Past use residential acreage:	Not reported
Past use commercial acreage:	Not reported
Past use industrial acreage:	19.4
Future use greenspace acreage:	Not reported
Future use residential acreage:	Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**21445 HOOVER PROPERTY (Continued)**

**1027608810**

Future use commercial acreage:	Not reported
Future use industrial acreage:	Not reported
Superfund Fed. landowner flag:	Not reported
Future Use: Multistory	Not reported
Past Use: Multistory	Not reported
Property Description:	Not reported
Below Poverty Number:	Not reported
Below Poverty Percent:	Not reported
Meidan Income:	Not reported
Meidan Income Number:	Not reported
Meidan Income Percent:	Not reported
Vacant Housing Number:	Not reported
Vacant Housing Percent:	Not reported
Unemployed Number:	Not reported
Unemployed Percent:	Not reported

**L43**  
**SSW**  
**1/8-1/4**  
**0.162 mi.**  
**858 ft.**

**ENTHONE OMI INC**

**PFAS ECHO 1027356784**  
**N/A**

**WARREN, MI**

**Site 8 of 8 in cluster L**

**Relative:**  
**Higher**

**Actual:**  
**625 ft.**

**PFAS ECHO:**

Name:	ENTHONE OMI INC
Address:	Not reported
City,State,Zip:	WARREN, MI
Latitude:	42.45406
Longitude:	-83.0054
Count:	1
County:	MACOMB
Status:	Active
Region:	05
Industry:	Chemical Mfg
ECHO Facility Report:	<a href="https://echo.epa.gov/detailed-facility-report?fid=110000405320">https://echo.epa.gov/detailed-facility-report?fid=110000405320</a>
Facility Percent Minority:	61.461
Facility Derived Tribes:	-
Facility Population:	4848.41
EPA Programs:	CAA; RCRA
Federal Facility:	No
Federal Agency:	-
Facility FIPS Code:	26099
Facility Indian Country Flag:	N
Facility Collection Method:	ADDRESS MATCHING-HOUSE NUMBER
Facility Derived HUC:	04090002
Facility Derived WBD:	040900030401
Facility Derived CD113:	09
Facility Derived CB2010:	260992684001024
Facility Major Flag:	-
Facility Active Flag:	Y
Facility Inspection Count:	1
Facility Date Last Inspection:	2/12/2021
Facility Days Last Inspection:	771
Facility Informal Count:	0
Facility Date Last Informal Action:	7/16/2014
Facility Formal Action Count:	0
Facility Date Last Formal Action:	1/24/1997
Facility Total Penalties:	0
Facility Penalty Count:	-

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**ENTHONE OMI INC (Continued)**

**1027356784**

Facility Date Last Penalty: 1/24/1997  
Facility Last Penalty AMT: 5,400  
Facility QTRS With NC: 0  
Facility Programs With SNC: 0  
Facility Compliance Status: No Violation Identified  
Facility SNC Flag: N  
AIR Flag: Y  
NPDES Flag: N  
SDWIS Flag: N  
RCRA Flag: Y  
TRI Flag: N  
GHG Flag: N  
AIR IDS: MI000000000000B1789  
CAA Permit Types: Minor Emissions  
CAA NAICS: 325998  
CAA SICS: 2819  
NPDES IDS: -  
CWA Permit Types: -  
CWA NAICS: -  
CWA SICS: -  
RCRA IDS: MID056717747  
RCRA Permit Types: Other  
RCRA NAICS: 325998  
SDWA IDS: -  
SDWA System Types: -  
SDWA Compliance Status: -  
SDWA SNC Flag: N  
TRI IDS: 48089MNTRN21441  
TRI Releases Transfers: -  
TRI On Site Releases: -  
TRI Off Site Transfers: -  
TRI Reporter: -  
Facility IMP Water Flag: -  
EJSCREEN Flag US: Y  
EJSCREEN Report: [https://ejscreen.epa.gov/mapper/mobile/EJSCREEN\\_mobile.aspx?geometry=%7B%22x%22:-83.0054,%22y%22:42.45406,%22spatialReference%22:%7B%22wkid%22:4326%7D%7D&unit=9035&areatype=&areaid=&basemap=streets&distance=1](https://ejscreen.epa.gov/mapper/mobile/EJSCREEN_mobile.aspx?geometry=%7B%22x%22:-83.0054,%22y%22:42.45406,%22spatialReference%22:%7B%22wkid%22:4326%7D%7D&unit=9035&areatype=&areaid=&basemap=streets&distance=1)

**K44**  
**ESE**  
**1/8-1/4**  
**0.187 mi.**  
**985 ft.**

**WORKBLADES INC**  
**21535 GROESBECK HWY**  
**WARREN, MI 48089**

**RCRA NonGen / NLR**

**1014392891**  
**MIK864973383**

**Site 3 of 3 in cluster K**

**Relative:**  
**Lower**  
**Actual:**  
**624 ft.**

RCRA Listings:  
Date Form Received by Agency:  
Handler Name:  
Handler Address:  
Handler City,State,Zip:  
EPA ID:  
Contact Name:  
Contact Address:  
Contact City,State,Zip:  
Contact Telephone:  
Contact Fax:  
Contact Email:  
Contact Title:  
EPA Region:

20100126  
Workblades Inc  
21535 GROESBECK HWY  
WARREN, MI 48089  
MIK864973383  
EDWARD BARD JR  
21535 GROESBECK HWY  
WARREN, MI 48089  
586-778-0060  
Not reported  
Not reported  
Not reported  
05

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**WORKBLADES INC (Continued)**

**1014392891**

Land Type:	Private
Federal Waste Generator Description:	Not a generator, verified
Non-Notifier:	Not reported
Biennial Report Cycle:	Not reported
Accessibility:	Not reported
Active Site Indicator:	Not reported
State District Owner:	Not reported
State District:	Not reported
Mailing Address:	21535 GROESBECK HWY
Mailing City, State, Zip:	WARREN, MI 48089
Owner Name:	Workblades Inc
Owner Type:	Private
Operator Name:	Workblades Inc
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
Universal Waste Destination Facility:	No
Federal Universal Waste:	No
Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	NN
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:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
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:	Not reported
Manifest Broker:	Not reported
Sub-Part P Indicator:	No

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**WORKBLADES INC (Continued)**

**1014392891**

Hazardous Waste Summary:

Waste Code: D001  
Waste Description: Ignitable Waste

Handler - Owner Operator:

Owner/Operator Indicator: Owner  
Owner/Operator Name: WORKBLADES INC  
Legal Status: Private  
Date Became Current: 19840401  
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: WORKBLADES INC  
Legal Status: Private  
Date Became Current: 19840401  
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: 20100126  
Handler Name: WORKBLADES INC  
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: Yes  
Non Storage Recycler Activity: Not reported  
Electronic Manifest Broker: Not reported

List of NAICS Codes and Descriptions:

NAICS Code: 332213  
NAICS Description: SAW BLADE AND HANDSAW MANUFACTURING

Facility Has Received Notices of Violations:

Violations: No Violations Found

Evaluation Action Summary:

Evaluations: No Evaluations Found

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

EDR ID Number  
EPA ID Number

**M45**  
**ESE**  
**1/8-1/4**  
**0.187 mi.**  
**986 ft.**

**RELIANT INDUSTRIES INC**  
**21415 GROESBECK HWY**  
**WARREN, MI 48089**

**RCRA-VSQQ** **1010320657**  
**MIK685685117**

**Site 1 of 3 in cluster M**

**Relative:**  
**Higher**

**Actual:**  
**625 ft.**

RCRA Listings:

Date Form Received by Agency:

20060919

Handler Name:

Reliant Industries Inc

Handler Address:

21415 GROESBECK HWY

Handler City,State,Zip:

WARREN, MI 48089

EPA ID:

MIK685685117

Contact Name:

DON ZACK

Contact Address:

21415 GROESBECK HWY

Contact City,State,Zip:

WARREN, MI 48089

Contact Telephone:

586-771-5719

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:

21415 GROESBECK HWY

Mailing City,State,Zip:

WARREN, MI 48089

Owner Name:

David Winfield

Owner Type:

Private

Operator Name:

Don J. Zack

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

Universal Waste Destination Facility:

No

Federal Universal Waste:

No

Active Site State-Reg Handler:

---

Federal Facility Indicator:

Not reported

Hazardous Secondary Material Indicator:

NN

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:

No

Corrective Action Priority Ranking:

No NCAPS ranking

Environmental Control Indicator:

No

Institutional Control Indicator:

No

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**RELIANT INDUSTRIES INC (Continued)**

**1010320657**

Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
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:	Not reported
Manifest Broker:	Not reported
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:	DON J. ZACK
Legal Status:	Private
Date Became Current:	20000102
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:	DON J. ZACK
Legal Status:	Private
Date Became Current:	20000102
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:	DAVID WINFIELD
Legal Status:	Private
Date Became Current:	20000102
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

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**RELIANT INDUSTRIES INC (Continued)**

**1010320657**

Owner/Operator Email: Not reported

Historic Generators:

Receive Date: 20060919

Handler Name: RELIANT INDUSTRIES INC

Federal Waste Generator Description: 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: 336399

NAICS Description: ALL OTHER MOTOR VEHICLE PARTS MANUFACTURING

Facility Has Received Notices of Violations:

Violations: No Violations Found

Evaluation Action Summary:

Evaluations: No Evaluations Found

46  
NW  
1/8-1/4  
0.194 mi.  
1025 ft.

**AJAX BOLT & SCREW DIVISION**  
**11550 HUPP AVE**  
**WARREN, MI 48089**

**MI LUST** **U003323237**  
**MI UST** **N/A**

**Relative:**  
**Higher**  
**Actual:**  
**625 ft.**

LUST:

Name: AJAX BOLT & SCREW DIVISION

Address: 11550 HUPP AVE

City,State,Zip: WARREN, MI 48089

Facility ID: 15095

Source: Not reported

Owner Name: Juction, Petticoat

Owner Address: Not reported

Owner City,St,Zip: Not reported

Owner Contact: Not reported

Owner Phone: ( ) -

Country: Not reported

District: Warren

Site Name: Ajax Bolt & Screw Division

Latitude: 42.45953

Longitude: -83.01028

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

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**AJAX BOLT & SCREW DIVISION (Continued)**

**U003323237**

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: 18447  
Release Date: 04/25/1991  
Substance Released: Not reported  
Release Status: Closed  
Release Closed Date: 10/24/1991

Leak Number: C-0724-91  
Release Date: 04/25/1991  
Substance Released: Unknown  
Release Status: Closed  
Release Closed Date: 10/24/1991

**UST:**

Name: AJAX BOLT & SCREW DIVISION  
Address: 11550 HUPP AVE  
City,State,Zip: WARREN 48089-3753  
Facility Type: CLOSED  
Facility ID: 00015095  
Owner Name: COLD HEADING CO  
Owner Address: 22155 HOOVER RD  
Owner City: WARREN  
Owner State: MI  
Owner Zip: 48089-2566  
Owner Contact: Not reported  
Owner Phone: 8107596822  
Contact: KEN STOEKLEY  
Contact Phone: (810) 497-7014  
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: Region 1 - SE Michigan District Office  
Tank ID: 2  
Capacity: 2500  
Tank Status: Removed from Ground  
Substance: Diesel  
Install Date: 04/03/1979  
Remove Date: 04/26/1991  
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

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**AJAX BOLT & SCREW DIVISION (Continued)**

**U003323237**

Latitude: 42.45953  
Longitude: -83.01028  
  
Name: AJAX BOLT & SCREW DIVISION  
Address: 11550 HUPP AVE  
City,State,Zip: WARREN 48089-3753  
Facility Type: CLOSED  
Facility ID: 00015095  
Owner Name: COLD HEADING CO  
Owner Address: 22155 HOOVER RD  
Owner City: WARREN  
Owner State: MI  
Owner Zip: 48089-2566  
Owner Contact: Not reported  
Owner Phone: 8107596822  
Contact: KEN STOEKLEY  
Contact Phone: (810) 497-7014  
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: Region 1 - SE Michigan District Office  
Tank ID: 1  
Capacity: 2500  
Tank Status: Removed from Ground  
Substance: Mixture,Used Oil  
Install Date: 04/03/1979  
Remove Date: 04/25/1991  
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: 42.45953  
Longitude: -83.01028

47  
NNE  
1/8-1/4  
0.195 mi.  
1029 ft.

**NIAGARA LASALLE**  
**22700 NAGEL ST**  
**WARREN, MI 48089**

**MI LUST** **U000262099**  
**MI UST** **N/A**  
**MI NPDES**

**Relative:**  
**Higher**  
**Actual:**  
**625 ft.**

LUST:  
Name: NIAGARA LASALLE  
Address: 22700 NAGEL ST  
City,State,Zip: WARREN, MI 48089  
Facility ID: 10918  
Source: Not reported  
Owner Name: Burns, Charles  
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

**NIAGARA LASALLE (Continued)**

**U000262099**

Owner Contact: Not reported  
Owner Phone: (248) 549-3610  
Country: Not reported  
District: Warren  
Site Name: Plymouth Shafting Corp  
Latitude: 42.45986  
Longitude: -83.00079  
Date of Collection: Not reported  
Method of Collection: The geographic coordinate determination method based on GPS code measurements (pseudo range) standard positioning service (SA Off).  
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: 11237  
Release Date: 09/21/2011  
Substance Released: Gasoline  
Release Status: Closed  
Release Closed Date: 01/25/2013

Leak Number: 11237  
Release Date: 09/21/2011  
Substance Released: Diesel  
Release Status: Closed  
Release Closed Date: 01/25/2013

Leak Number: 18822  
Release Date: 03/08/1991  
Substance Released: Not reported  
Release Status: Closed  
Release Closed Date: 08/23/1991

Leak Number: C-0148-11  
Release Date: 09/21/2011  
Substance Released: Gasoline,Diesel  
Release Status: Closed  
Release Closed Date: 01/25/2013

Leak Number: C-0349-91  
Release Date: 03/08/1991  
Substance Released: Not reported  
Release Status: Closed  
Release Closed Date: 08/23/1991

**UST:**

Name: NIAGARA LASALLE  
Address: 22700 NAGEL ST  
City,State,Zip: WARREN 48089-3725  
Facility Type: CLOSED  
Facility ID: 00010918

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**NIAGARA LASALLE (Continued)**

**U000262099**

Owner Name: NIAGARA LASALLE  
Owner Address: 22700 NAGEL ST  
Owner City: WARREN  
Owner State: MI  
Owner Zip: 48089  
Owner Contact: Not reported  
Owner Phone: 5864272676  
Contact: Robert Holman  
Contact Phone: (586) 427-2676  
Date of Collection: 02/24/2005  
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: GPS Code Meas. Standard Positioning Service SA Off  
District: Region 1 - SE Michigan District Office  
Tank ID: 4  
Capacity: 4000  
Tank Status: Removed from Ground  
Substance: Diesel  
Install Date: 06/25/1991  
Remove Date: 09/12/2011  
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: 42.45986  
Longitude: -83.00079

Name: NIAGARA LASALLE  
Address: 22700 NAGEL ST  
City,State,Zip: WARREN 48089-3725  
Facility Type: CLOSED  
Facility ID: 00010918  
Owner Name: NIAGARA LASALLE  
Owner Address: 22700 NAGEL ST  
Owner City: WARREN  
Owner State: MI  
Owner Zip: 48089  
Owner Contact: Not reported  
Owner Phone: 5864272676  
Contact: Robert Holman  
Contact Phone: (586) 427-2676  
Date of Collection: 02/24/2005  
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: GPS Code Meas. Standard Positioning Service SA Off

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**NIAGARA LASALLE (Continued)**

**U000262099**

District:	Region 1 - SE Michigan District Office
Tank ID:	3
Capacity:	4000
Tank Status:	Removed from Ground
Substance:	Gasoline
Install Date:	06/25/1991
Remove Date:	09/12/2011
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:	42.45986
Longitude:	-83.00079
Name:	NIAGARA LASALLE
Address:	22700 NAGEL ST
City,State,Zip:	WARREN 48089-3725
Facility Type:	CLOSED
Facility ID:	00010918
Owner Name:	NIAGARA LASALLE
Owner Address:	22700 NAGEL ST
Owner City:	WARREN
Owner State:	MI
Owner Zip:	48089
Owner Contact:	Not reported
Owner Phone:	5864272676
Contact:	Robert Holman
Contact Phone:	(586) 427-2676
Date of Collection:	02/24/2005
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:	GPS Code Meas. Standard Positioning Service SA Off
District:	Region 1 - SE Michigan District Office
Tank ID:	2
Capacity:	12000
Tank Status:	Removed from Ground
Substance:	Diesel
Install Date:	04/28/1980
Remove Date:	05/30/1991
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:	42.45986
Longitude:	-83.00079

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**NIAGARA LASALLE (Continued)**

**U000262099**

Name: NIAGARA LASALLE  
Address: 22700 NAGEL ST  
City,State,Zip: WARREN 48089-3725  
Facility Type: CLOSED  
Facility ID: 00010918  
Owner Name: NIAGARA LASALLE  
Owner Address: 22700 NAGEL ST  
Owner City: WARREN  
Owner State: MI  
Owner Zip: 48089  
Owner Contact: Not reported  
Owner Phone: 5864272676  
Contact: Robert Holman  
Contact Phone: (586) 427-2676  
Date of Collection: 02/24/2005  
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: GPS Code Meas. Standard Positioning Service SA Off  
District: Region 1 - SE Michigan District Office  
Tank ID: 1  
Capacity: 10000  
Tank Status: Removed from Ground  
Substance: Gasoline  
Install Date: 04/29/1979  
Remove Date: 05/30/1991  
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: 42.45986  
Longitude: -83.00079

**MI NPDES:**

Name: NIAGARA LASALLE CORP-NAGEL  
Address: 22700 NAGEL STREET  
City,State,Zip: WARREN, MI 48089  
Permit Number: MIS110305  
Permittee PO Box: Not reported  
Permittee Email: Not reported  
Issue Date: 07/23/2018  
Effective Date: 07/23/2018  
Expiration Date: 04/01/2021  
Permittee Name: Niagara LaSalle Corporation  
Permittee Address: 22700 Nagel  
Permittee Addr2: Not reported  
Permittee City,St,Zip: Warren, MI 48089  
Permit Type: NPDES Certificate of Coverage under General Permit (COC)  
Facility Name 2: Not reported  
Facility Name 3: Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

NIAGARA LASALLE (Continued)

U000262099

Facility Name 4: Not reported  
Designed Name: Not reported  
Latitude: 42.4603  
Lat Direction: Not reported  
Lat Type Code: Not reported  
Longitude: -83.00170000000001  
Lon Direction: Not reported  
Lon Type Code: Not reported  
Hydrologic Unit Code: Not reported  
Permit Status: Extended  
COC Permit Category: SW-Industrial CY1  
DEQ District Email: Warren  
DEQ Permit Compliance Manager: Eric Moore  
DEQ Permit Compliance Manager Email: MooreE12@michigan.gov

**M48**  
**ESE**  
**1/8-1/4**  
**0.200 mi.**  
**1054 ft.**  
**Relative:**  
**Lower**  
**Actual:**  
**624 ft.**

**21493 GROESBECK HIGHWAY, WARREN**  
**21493 GROESBECK HIGHWAY**  
**WARREN, MI 48089**  
**Site 2 of 3 in cluster M**

**MI INVENTORY**  
**MI BEA**  
**S129290485**  
**N/A**

**INVENTORY:**  
Name: 21493 GROESBECK HIGHWAY, WARREN  
Address: 21493 GROESBECK HIGHWAY  
City,State,Zip: WARREN, MI 48089  
Township: Not reported  
District: Warren  
Data Source: Risks Not Determined  
Lust Name: Not reported  
Regulatory Program: 201  
Release Status: Not reported  
Project Manager: Adolphues, Ira  
Latitude: 42.45612749  
Longitude: -82.99734894

**BEA:**  
Name: 21493 GROESBECK HIGHWAY, WARREN  
Address: 21493 GROESBECK HIGHWAY  
City,State,Zip: WARREN, MI  
Secondary Address: Not reported  
BEA Number: Not reported  
District: Not reported  
Date Received: 03/02/2023  
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: 50500552  
Submittal Type: BEA  
Submittal Number: 50500552-BEA-1  
Approval Status: In Review  
Workflow Status: Submitted  
Date Submitted: 2023-03-03 14:32:31  
Date Completed: Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**21493 GROESBECK HIGHWAY, WARREN (Continued)**

**S129290485**

Township: Not reported  
Work Unit: Warren  
Comments: Not reported  
Organization: Safar Estates LLC  
Contact: Hermiz, Kalven  
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

**M49**      **21493 GROESBECK HIGHWAY, WARREN**  
**ESE**      **21493 GROESBECK HIGHWAY**  
**1/8-1/4**      **WARREN, MI 48089**  
**0.200 mi.**  
**1054 ft.**      **Site 3 of 3 in cluster M**

**MI VCP**      **S130208495**  
**N/A**

**Relative:**      VCP:  
**Lower**      Location ID: 50500552  
**Actual:**      Name: 21493 GROESBECK HIGHWAY, WARREN  
**624 ft.**      Address: 21493 GROESBECK HIGHWAY  
City,State,Zip: WARREN, MI 48089  
Location Type: Part 201 site  
Township: Not reported  
Work Unit: Warren  
Project Manager: Adolphues, Ira  
Risk Condition: Risks Not Determined  
Latitude: 42.45612749  
Longitude: -82.99734894

**N50**      **B AND L PLATING INC**  
**SE**      **21353 EDOM AVE**  
**1/8-1/4**      **WARREN, MI 48089**  
**0.203 mi.**  
**1073 ft.**      **Site 1 of 2 in cluster N**

**RCRA-VSQG**      **1000309444**  
**ICIS**      **MID052032208**  
**US AIRS**  
**FINDS**  
**ECHO**

**Relative:**      RCRA Listings:  
**Higher**      Date Form Received by Agency: 19871214  
**Actual:**      Handler Name: B And L Plating Inc  
**625 ft.**      Handler Address: 21353 EDOM AVE  
Handler City,State,Zip: WARREN, MI 48089  
EPA ID: MID052032208  
Contact Name: EUGENE PIRRAMI  
Contact Address: 21353 EDOM AVE  
Contact City,State,Zip: WARREN, MI 48089  
Contact Telephone: 313-778-9300  
Contact Fax: Not reported  
Contact Email: Not reported  
Contact Title: Not reported  
EPA Region: 05  
Land Type: Private

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**B AND L PLATING INC (Continued)**

**1000309444**

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:	21353 EDOM AVE
Mailing City,State,Zip:	WARREN, MI 48089
Owner Name:	Eugene Pirrami
Owner Type:	Private
Operator Name:	Eugene Pirrami
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
Universal Waste Destination Facility:	No
Federal Universal Waste:	No
Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	NN
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:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
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:	Not reported
Manifest Broker:	Not reported
Sub-Part P Indicator:	No

Hazardous Waste Summary:

Waste Code: D001

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**B AND L PLATING INC (Continued)**

**1000309444**

Waste Description: Ignitable Waste

Handler - Owner Operator:

Owner/Operator Indicator:	Operator
Owner/Operator Name: EUGENE PIRRAMI	
Legal Status:	Private
Date Became Current:	19871214
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: EUGENE PIRRAMI	
Legal Status:	Private
Date Became Current:	19871214
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:	19871214
Handler Name: B AND L PLATING INC	
Federal Waste Generator Description:	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

Has the Facility Received Notices of Violations:

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

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**B AND L PLATING INC (Continued)**

**1000309444**

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
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:	19871112
Evaluation Responsible Agency:	State
Found Violation:	No
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
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

**ICIS:**

Enforcement Action ID:	05-2002-A122
FRS ID:	110001679425
Action Name:	B&L PLATING, INC. 260990064600012
Facility Name:	B&L PLATING, INC.
Facility Address:	21353 EDOM WARREN, MI 48089
Enforcement Action Type:	Civil Judicial Action
Facility County:	MACOMB
Program System Acronym:	AIR
Enforcement Action Forum Desc:	Judicial
EA Type Code:	CIV

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**B AND L PLATING INC (Continued)**

**1000309444**

Facility SIC Code: 9999  
Federal Facility ID: Not reported  
Latitude in Decimal Degrees: 42.45383  
Longitude in Decimal Degrees: -83  
Permit Type Desc: Not reported  
Program System Acronym: MI0000000000N0058  
Facility NAICS Code: 332813  
Tribal Land Code: Not reported

Enforcement Action ID: 05-2002-A121  
FRS ID: 110001679425  
Action Name: B&L PLATING, INC. 260990064600008  
Facility Name: B&L PLATING, INC.  
Facility Address: 21353 EDOM  
WARREN, MI 48089

Enforcement Action Type: CAA 113D1 Action For Penalty  
Facility County: MACOMB  
Program System Acronym: AIR  
Enforcement Action Forum Desc: Administrative - Formal  
EA Type Code: 113D1  
Facility SIC Code: 9999  
Federal Facility ID: Not reported  
Latitude in Decimal Degrees: 42.45383  
Longitude in Decimal Degrees: -83  
Permit Type Desc: Not reported  
Program System Acronym: MI0000000000N0058  
Facility NAICS Code: 332813  
Tribal Land Code: Not reported

Enforcement Action ID: 05-2000-A145  
FRS ID: 110001679425  
Action Name: B&L PLATING, INC. 260990064600006  
Facility Name: B&L PLATING, INC.  
Facility Address: 21353 EDOM  
WARREN, MI 48089

Enforcement Action Type: CAA 113D1 Action For Penalty  
Facility County: MACOMB  
Program System Acronym: AIR  
Enforcement Action Forum Desc: Administrative - Formal  
EA Type Code: 113D1  
Facility SIC Code: 9999  
Federal Facility ID: Not reported  
Latitude in Decimal Degrees: 42.45383  
Longitude in Decimal Degrees: -83  
Permit Type Desc: Not reported  
Program System Acronym: MI0000000000N0058  
Facility NAICS Code: 332813  
Tribal Land Code: Not reported

Enforcement Action ID: 05-1999-0495  
FRS ID: 110001679425  
Action Name: B AND L PLATING, INC.  
Facility Name: B&L PLATING INCORPORATED  
Facility Address: 21353 EDOM  
WARREN, MI 48089

Enforcement Action Type: CAA 113D1 Action For Penalty  
Facility County: MACOMB

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**B AND L PLATING INC (Continued)**

**1000309444**

Program System Acronym: ICIS  
Enforcement Action Forum Desc: Administrative - Formal  
EA Type Code: 113D1  
Facility SIC Code: 3471  
Federal Facility ID: Not reported  
Latitude in Decimal Degrees: 42.453193  
Longitude in Decimal Degrees: -83.000179  
Permit Type Desc: Not reported  
Program System Acronym: 11696  
Facility NAICS Code: Not reported  
Tribal Land Code: Not reported

Enforcement Action ID: 05-000F000260990064600004  
FRS ID: 110001679425  
Action Name: B&L PLATING, INC. 260990064600004  
Facility Name: B&L PLATING, INC.  
Facility Address: 21353 EDOM  
WARREN, MI 48089

Enforcement Action Type: Notice of Violation  
Facility County: MACOMB  
Program System Acronym: AIR  
Enforcement Action Forum Desc: Administrative - Informal  
EA Type Code: NOV  
Facility SIC Code: 9999  
Federal Facility ID: Not reported  
Latitude in Decimal Degrees: 42.45383  
Longitude in Decimal Degrees: -83  
Permit Type Desc: Not reported  
Program System Acronym: MI00000000000N0058  
Facility NAICS Code: 332813  
Tribal Land Code: Not reported

Facility Name: B&L PLATING INCORPORATED  
Address: 21353 EDOM  
Tribal Indicator: N  
Fed Facility: No  
NAIC Code: Not reported  
SIC Code: 3471

Facility Name: B&L PLATING INCORPORATED  
Address: 21353 EDOM  
Tribal Indicator: N  
Fed Facility: No  
NAIC Code: Not reported  
SIC Code: 3471

US AIRS MINOR:  
Envid: 1000309444  
Region Code: 05  
Programmatic ID: AIR MI00000000000N0058  
Facility Registry ID: 110001679425  
D and B Number: Not reported  
Primary SIC Code: 9999  
NAICS Code: 332813  
Default Air Classification Code: MIN  
Facility Type of Ownership Code: POF

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**B AND L PLATING INC (Continued)**

**1000309444**

Air CMS Category Code: Not reported  
HPV Status: Not reported

**US AIRS MINOR:**

Region Code: 05  
Programmatic ID: AIR MI000000000000N0058  
Facility Registry ID: 110001679425  
Air Operating Status Code: OPR  
Default Air Classification Code: MIN  
Air Program: MACT Standards (40 CFR Part 63)  
Activity Date: Not reported  
Activity Status Date: 1999-10-05 00:00:00  
Activity Group: Case File  
Activity Type: Case File  
Activity Status: Resolved

Region Code: 05  
Programmatic ID: AIR MI000000000000N0058  
Facility Registry ID: 110001679425  
Air Operating Status Code: OPR  
Default Air Classification Code: MIN  
Air Program: MACT Standards (40 CFR Part 63)  
Activity Date: Not reported  
Activity Status Date: 2004-11-24 00:00:00  
Activity Group: Case File  
Activity Type: Case File  
Activity Status: Resolved

Region Code: 05  
Programmatic ID: AIR MI000000000000N0058  
Facility Registry ID: 110001679425  
Air Operating Status Code: OPR  
Default Air Classification Code: MIN  
Air Program: MACT Standards (40 CFR Part 63)  
Activity Date: 2000-07-26 00:00:00  
Activity Status Date: 2000-07-26 00:00:00  
Activity Group: Enforcement Action  
Activity Type: Administrative - Formal  
Activity Status: Final Order Issued

Region Code: 05  
Programmatic ID: AIR MI000000000000N0058  
Facility Registry ID: 110001679425  
Air Operating Status Code: OPR  
Default Air Classification Code: MIN  
Air Program: MACT Standards (40 CFR Part 63)  
Activity Date: 2002-04-05 00:00:00  
Activity Status Date: 2002-04-05 00:00:00  
Activity Group: Enforcement Action  
Activity Type: Administrative - Formal  
Activity Status: Final Order Issued

Region Code: 05  
Programmatic ID: AIR MI000000000000N0058  
Facility Registry ID: 110001679425  
Air Operating Status Code: OPR  
Default Air Classification Code: MIN  
Air Program: MACT Standards (40 CFR Part 63)

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**B AND L PLATING INC (Continued)**

**1000309444**

Activity Date: 1999-09-23 00:00:00  
Activity Status Date: 1999-09-23 00:00:00  
Activity Group: Enforcement Action  
Activity Type: Administrative - Informal  
Activity Status: Achieved  
  
Region Code: 05  
Programmatic ID: AIR MI000000000000N0058  
Facility Registry ID: 110001679425  
Air Operating Status Code: OPR  
Default Air Classification Code: MIN  
Air Program: MACT Standards (40 CFR Part 63)  
Activity Date: 2002-04-05 00:00:00  
Activity Status Date: 2002-04-05 00:00:00  
Activity Group: Enforcement Action  
Activity Type: Judicial  
Activity Status: Closed

**FINDS:**

Registry ID: 110001679425

[Click Here for FRS Facility Detail Report:](#)

**Environmental Interest/Information System:**

AFS (Aerometric Information Retrieval System (AIRS) Facility Subsystem) replaces the former Compliance Data System (CDS), the National Emission Data System (NEDS), and the Storage and Retrieval of Aerometric Data (SAROAD). AIRS is the national repository for information concerning airborne pollution in the United States. AFS is used to track emissions and compliance data from industrial plants. AFS data are utilized by states to prepare State Implementation Plans to comply with regulatory programs and by EPA as an input for the estimation of total national emissions. AFS is undergoing a major redesign to support facility operating permits required under Title V of the Clean Air Act.

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

**AIR MINOR**

ICIS (Integrated Compliance Information System) is the Integrated Compliance Information System and provides a database that, when complete, will contain integrated Enforcement and Compliance information across most of EPA's programs. The vision for ICIS is to replace EPA's independent databases that contain Enforcement data with a single repository for that information. Currently, ICIS contains all Federal Administrative and Judicial enforcement actions. This information is maintained in ICIS by EPA in the Regional offices and its Headquarters. A future release of ICIS will replace the Permit Compliance System (PCS) which supports the NPDES and will integrate that information with Federal actions already in the system. ICIS also has the capability to track other activities occurring in the Region that support Compliance and Enforcement programs. These include; Incident Tracking, Compliance Assistance, and Compliance Monitoring.

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**B AND L PLATING INC (Continued)**

**1000309444**

[Click this hyperlink](#) while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

**ECHO:**

Envid: 1000309444  
Registry ID: 110001679425  
DFR URL: <http://echo.epa.gov/detailed-facility-report?fid=110001679425>  
Name: B&L PLATING, INC.  
Address: 21353 EDOM  
City,State,Zip: WARREN, MI 48089

**O51**  
**South**  
**1/8-1/4**  
**0.204 mi.**  
**1075 ft.**

**AMERICAN FELT & FILTER CO**  
**21400 HOOVER RD**  
**WARREN, MI 48090**

**RCRA NonGen / NLR**  
**FINDS**  
**ECHO**

**1000359487**  
**MID095393211**

**Site 1 of 2 in cluster O**

**Relative:**  
**Higher**

**Actual:**  
**625 ft.**

**RCRA Listings:**

Date Form Received by Agency: 19980917  
Handler Name: American Felt & Filter Co  
Handler Address: 21400 HOOVER RD  
Handler City,State,Zip: WARREN, MI 48090  
EPA ID: MID095393211  
Contact Name: MICHAEL HRYSYZEN  
Contact Address: 21400 HOOVER RD  
Contact City,State,Zip: WARREN, MI 48090  
Contact Telephone: 914-562-5311  
Contact Fax: Not reported  
Contact Email: Not reported  
Contact Title: Not reported  
EPA Region: 05  
Land Type: Private  
Federal Waste Generator Description: Not a generator, verified  
Non-Notifier: Not reported  
Biennial Report Cycle: Not reported  
Accessibility: Not reported  
Active Site Indicator: Not reported  
State District Owner: Not reported  
State District: Not reported  
Mailing Address: 21400 HOOVER RD  
Mailing City,State,Zip: WARREN, MI 48090  
Owner Name: American Felt & Filter Co  
Owner Type: Private  
Operator Name: American Felt & Filter Co  
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  
Universal Waste Destination Facility: No

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**AMERICAN FELT & FILTER CO (Continued)**

**1000359487**

Federal Universal Waste:	No
Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	NN
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:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
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:	Not reported
Manifest Broker:	Not reported
Sub-Part P Indicator:	No

**Hazardous Waste Summary:**

Waste Code:	D001
Waste Description:	Ignitable Waste

**Handler - Owner Operator:**

Owner/Operator Indicator:	Operator
Owner/Operator Name:	AMERICAN FELT & FILTER CO
Legal Status:	Private
Date Became Current:	19700101
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:	AMERICAN FELT & FILTER CO
Legal Status:	Private
Date Became Current:	19700101
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

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**AMERICAN FELT & FILTER CO (Continued)**

**1000359487**

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

Owner/Operator Indicator: Owner  
Owner/Operator Name: AMERICAN FELT & FILTER CO  
Legal Status: Private  
Date Became Current: 19700101  
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: AMERICAN FELT & FILTER CO  
Legal Status: Private  
Date Became Current: 19700101  
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: 19980917  
Handler Name: AMERICAN FELT & FILTER CO  
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: Yes  
Non Storage Recycler Activity: Not reported  
Electronic Manifest Broker: Not reported

Receive Date: 19800818  
Handler Name: AMERICAN FELT & FILTER CO  
Federal Waste Generator Description: 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: No  
Non Storage Recycler Activity: Not reported  
Electronic Manifest Broker: Not reported

**List of NAICS Codes and Descriptions:**

NAICS Code: 11131

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**AMERICAN FELT & FILTER CO (Continued)**

**1000359487**

NAICS Description: ORANGE GROVES

Facility Has Received Notices of Violations:

Violations: No Violations Found

Evaluation Action Summary:

Evaluations: No Evaluations Found

**FINDS:**

Registry ID: 110003608668

[Click Here for FRS Facility Detail Report:](#)

Environmental Interest/Information System:

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

[Click this hyperlink](#) while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

**ECHO:**

Envid: 1000359487  
Registry ID: 110003608668  
DFR URL: <http://echo.epa.gov/detailed-facility-report?fid=110003608668>  
Name: AMERICAN FELT & FILTER CO  
Address: 21400 HOOVER RD  
City,State,Zip: WARREN, MI 48090

**O52**  
**South**  
**1/8-1/4**  
**0.204 mi.**  
**1075 ft.**

**DETROIT RADIANT PRODUCTS**  
**21400 HOOVER RD**  
**WARREN, MI 48089**

**MI AST** **A100172291**  
**N/A**

**Site 2 of 2 in cluster O**

**Relative:**  
**Higher**

**Actual:**  
**625 ft.**

**AST:**

Name: DETROIT RADIANT PRODUCTS  
Address: 21400 HOOVER RD  
City: WARREN  
Zip: 48089-3162  
Facility ID: 92050106  
Owner Name: PROPANE SERVICES  
Owner Address: 27481 BEVERLY RD  
Owner City,St,Zip: ROMULUS, MI 48174  
District: 1  
Date of Collection: 10/21/2003  
Accuracy: 100 FEET  
Source: STATE OF MICHIGAN  
Point Line Area: POINT  
Description Category: Plant Entrance (Freight)  
Method of Collection: GPS Code Meas. Standard Positioning Service SA Off  
Horizontal Datum: NAD83  
Latitude: 42.4538270

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**DETROIT RADIANT PRODUCTS (Continued)**

**A100172291**

Longitude: -83.003962  
  
Tank Id: ATK-034178-15  
Tank Status: Removed from Premises  
Capacity (in gallons): 500  
Installation Date: Not reported  
Substance Stored: Other  
Removed/Closed Date: 07/02/1992

Tank Id: ATK-081522-15  
Tank Status: Change in Service  
Capacity (in gallons): 1000  
Installation Date: 07/02/1992  
Substance Stored: Other  
Removed/Closed Date: 10/15/2015

**P53**  
**SSW**  
**1/8-1/4**  
**0.205 mi.**  
**1085 ft.**

**GRAPHIC ASSOCIATES INC**  
**21325 HOOVER RD**  
**WARREN, MI 48089**

**Site 1 of 2 in cluster P**

**RCRA-VSQG**  
**FINDS**  
**ECHO**  
**1000827987**  
**MID985650233**

**Relative:**  
**Higher**  
**Actual:**  
**625 ft.**

RCRA Listings:  
Date Form Received by Agency: 19940805  
Handler Name: Graphic Associates Inc  
Handler Address: 21325 HOOVER RD  
Handler City,State,Zip: WARREN, MI 48089  
EPA ID: MID985650233  
Contact Name: JOE LOJEK  
Contact Address: 21325 HOOVER RD  
Contact City,State,Zip: WARREN, MI 48089  
Contact Telephone: 586-759-1200  
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: 21325 HOOVER RD  
Mailing City,State,Zip: WARREN, MI 48089  
Owner Name: Rbf Properties  
Owner Type: Private  
Operator Name: Rbf Properties  
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

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**GRAPHIC ASSOCIATES INC (Continued)**

**1000827987**

Smelting Melting and Refining Furnace Exemption:	No
Underground Injection Control:	No
Off-Site Waste Receipt:	No
Universal Waste Indicator:	No
Universal Waste Destination Facility:	No
Federal Universal Waste:	No
Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	NN
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:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
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:	Not reported
Manifest Broker:	Not reported
Sub-Part P Indicator:	No

**Hazardous Waste Summary:**

Waste Code:	D001
Waste Description:	Ignitable Waste

**Handler - Owner Operator:**

Owner/Operator Indicator:	Operator
Owner/Operator Name:	RBF PROPERTIES
Legal Status:	Private
Date Became Current:	19700101
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:	RBF PROPERTIES
Legal Status:	Private
Date Became Current:	19700101

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**GRAPHIC ASSOCIATES INC (Continued)**

**1000827987**

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: RBF PROPERTIES  
Legal Status: Private  
Date Became Current: 19700101  
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: RBF PROPERTIES  
Legal Status: Private  
Date Became Current: 19700101  
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: 19940805  
Handler Name: GRAPHIC ASSOCIATES INC  
Federal Waste Generator Description: 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

Receive Date: 19920804  
Handler Name: GRAPHIC ASSOCIATES INC  
Federal Waste Generator Description: 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: No  
Non Storage Recycler Activity: Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**GRAPHIC ASSOCIATES INC (Continued)**

**1000827987**

Electronic Manifest Broker: Not reported

List of NAICS Codes and Descriptions:

NAICS Code: 323115  
NAICS Description: DIGITAL PRINTING

Has the Facility Received Notices of Violations:

Found Violation: Yes  
Agency Which Determined Violation: State  
Violation Short Description: LDR - General  
Date Violation was Determined: 19940406  
Actual Return to Compliance Date: 19940708  
Return to Compliance Qualifier: Observed  
Violation Responsible Agency: State  
Scheduled Compliance Date: 19940506  
Enforcement Identifier: 001  
Date of Enforcement Action: 19940406  
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: 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: Yes  
Agency Which Determined Violation: State  
Violation Short Description: Generators - General  
Date Violation was Determined: 19940406  
Actual Return to Compliance Date: 19940708  
Return to Compliance Qualifier: Observed  
Violation Responsible Agency: State  
Scheduled Compliance Date: 19940506  
Enforcement Identifier: 001  
Date of Enforcement Action: 19940406  
Enforcement Responsible Agency: State

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**GRAPHIC ASSOCIATES INC (Continued)**

**1000827987**

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: 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

**Evaluation Action Summary:**

Evaluation Date: 19940329  
Evaluation Responsible Agency: State  
Found Violation: Yes  
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION ON-SITE  
Evaluation Responsible Person Identifier: Not reported  
Evaluation Responsible Sub-Organization: Not reported  
Actual Return to Compliance Date: 19940708  
Scheduled Compliance Date: 19940506  
Date of Request: Not reported  
Date Response Received: Not reported  
Request Agency: Not reported  
Former Citation: Not reported

Evaluation Date: 19940329  
Evaluation Responsible Agency: State  
Found Violation: Yes  
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION ON-SITE  
Evaluation Responsible Person Identifier: Not reported  
Evaluation Responsible Sub-Organization: Not reported  
Actual Return to Compliance Date: 19940708  
Scheduled Compliance Date: 19940506  
Date of Request: Not reported  
Date Response Received: Not reported  
Request Agency: Not reported  
Former Citation: Not reported

**FINDS:**

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**GRAPHIC ASSOCIATES INC (Continued)**

**1000827987**

Registry ID: 110006411882

[Click Here for FRS Facility Detail Report:](#)

**Environmental Interest/Information System:**

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

[Click this hyperlink](#) while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

**ECHO:**

Envid: 1000827987  
Registry ID: 110006411882  
DFR URL: <http://echo.epa.gov/detailed-facility-report?fid=110006411882>  
Name: GRAPHIC ASSOCIATES INC  
Address: 21325 HOOVER RD  
City,State,Zip: WARREN, MI 48089

**54**  
**SSW**  
**1/8-1/4**  
**0.207 mi.**  
**1092 ft.**

**RENO MACHINERY & ENGR CO INC**  
**21401 HOOVER RD**  
**WARREN, MI 48089**

**MI LUST** **U003326157**  
**MI UST** **N/A**  
**MI BEA**  
**MI WDS**

**Relative:**  
**Higher**

**Actual:**  
**626 ft.**

**LUST:**

Name: RENO MACHINERY & ENGR CO INC  
Address: 21401 HOOVER RD  
City,State,Zip: WARREN, MI 48089  
Facility ID: 37478  
Source: Not reported  
Owner Name: KULKA, GARY  
Owner Address: Not reported  
Owner City,St,Zip: Not reported  
Owner Contact: Not reported  
Owner Phone: Not reported  
Country: Not reported  
District: Warren  
Site Name: Reno Machinery & Engr Co Inc  
Latitude: 42.45372  
Longitude: -83.00567  
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

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**RENO MACHINERY & ENGR CO INC (Continued)**

**U003326157**

Leak Number: 28817  
Release Date: 09/03/1998  
Substance Released: Not reported  
Release Status: Closed  
Release Closed Date: 12/15/1998

Leak Number: C-0819-98  
Release Date: 09/03/1998  
Substance Released: Gasoline  
Release Status: Closed  
Release Closed Date: 12/15/1998

**UST:**

Name: RENO MACHINERY & ENGR CO INC  
Address: 21401 HOOVER RD  
City,State,Zip: WARREN 48089-3161  
Facility Type: CLOSED  
Facility ID: 00037478  
Owner Name: PRIME FINANCIAL INC  
Owner Address: 31800 NORTHWESTERN HWY SUITE 207  
Owner City: FARMINGTON HILLS  
Owner State: MI  
Owner Zip: 48334  
Owner Contact: Not reported  
Owner Phone: 2488555700  
Contact: AARON J JADE  
Contact Phone: (248) 855-5700  
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: Region 1 - SE Michigan District Office  
Tank ID: 1  
Capacity: 2000  
Tank Status: Removed from Ground  
Substance: Gasoline  
Install Date: Not reported  
Remove Date: 10/05/1998  
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: 42.45372  
Longitude: -83.00567

**BEA:**

Name: PRIME FINANCIAL, INC.  
Address: 21401 HOOVER ROAD  
City,State,Zip: WARREN, MI

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**RENO MACHINERY & ENGR CO INC (Continued)**

**U003326157**

Secondary Address:	Not reported
BEA Number:	715
District:	Southeast MI
Date Received:	09/14/1998
Submitter Name:	PRIME FINANCIAL, INC.
Petition Determination:	No Request
Petition Disclosure:	0
Category:	N
Determination 20107A:	No Request
Reviewer:	temppm
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
Contact Zip Code:	Not reported
Contact State:	Not reported
Name:	RENO MACHINERY & ENGR CO INC
Address:	21401 HOOVER RD
City,State,Zip:	WARREN, MI 48089
Secondary Address:	Not reported
BEA Number:	Not reported
District:	Not reported
Date Received:	09/14/1998
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:	00037478
Submittal Type:	Baseline Environmental Assessment
Submittal Number:	B199800715LV
Approval Status:	RRD Received
Workflow Status:	Submitted
Date Submitted:	2004-01-31 07:29:04
Date Completed:	Not reported
Township:	Not reported
Work Unit:	Warren

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**RENO MACHINERY & ENGR CO INC (Continued)**

**U003326157**

Comments: RECORD CENTER - 964323 - BOX 41 Records Manager: Box 124 Sent out for  
Scanning 01/25/16  
Organization: PRIME FINANCIAL, INC.  
Contact: MR. AARON J. JADE  
Contact Type: Submitter Contact  
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: RENO ENGINEERING  
Address: 21401 HOOVER RD  
City,State,Zip: WARREN, MI 48089  
Site Id: MIG000036181  
WMD Id: 445227  
Site Specific Name: RENO ENGINEERING  
Mailing Address: 21401 HOOVER RD  
Mailing City/State/Zip: 48089  
Mailing County: MACOMB

**N55  
SE  
1/8-1/4  
0.208 mi.  
1100 ft.**

**B&L PLATING, INC.**

**PFAS ECHO 1027328611  
N/A**

**WARREN, MI**

**Site 2 of 2 in cluster N**

**Relative:  
Higher**

**PFAS ECHO:**

**Actual:  
625 ft.**

Name: B&L PLATING, INC.  
Address: Not reported  
City,State,Zip: WARREN, MI  
Latitude: 42.45371  
Longitude: -83  
Count: 1  
County: MACOMB  
Status: Active  
Region: 05  
Industry: Metal Coating  
ECHO Facility Report: <https://echo.epa.gov/detailed-facility-report?fid=110001679425>  
Facility Percent Minority: 61.635  
Facility Derived Tribes: -  
Facility Population: 5031.8  
EPA Programs: CAA; RCRA  
Federal Facility: No  
Federal Agency: -  
Facility FIPS Code: 26099  
Facility Indian Country Flag: N  
Facility Collection Method: ADDRESS MATCHING-HOUSE NUMBER  
Facility Derived HUC: 04090002  
Facility Derived WBD: 040900020200  
Facility Derived CD113: 09  
Facility Derived CB2010: 260992684001023

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**B&L PLATING, INC. (Continued)**

**1027328611**

Facility Major Flag:	-
Facility Active Flag:	Y
Facility Inspection Count:	0
Facility Date Last Inspection:	11/12/1987
Facility Days Last Inspection:	12,917
Facility Informal Count:	0
Facility Date Last Informal Action:	9/23/1999
Facility Formal Action Count:	0
Facility Date Last Formal Action:	8/20/2002
Facility Total Penalties:	0
Facility Penalty Count:	-
Facility Date Last Penalty:	8/20/2002
Facility Last Penalty AMT:	42,600
Facility QTRS With NC:	0
Facility Programs With SNC:	0
Facility Compliance Status:	No Violation Identified
Facility SNC Flag:	N
AIR Flag:	Y
NPDES Flag:	N
SDWIS Flag:	N
RCRA Flag:	Y
TRI Flag:	N
GHG Flag:	N
AIR IDS:	MI000000000000N0058
CAA Permit Types:	Minor Emissions
CAA NAICS:	332813
CAA SICs:	9999
NPDES IDS:	-
CWA Permit Types:	-
CWA NAICS:	-
CWA SICs:	-
RCRA IDS:	MID052032208
RCRA Permit Types:	VSQG
RCRA NAICS:	11131
SDWA IDS:	-
SDWA System Types:	-
SDWA Compliance Status:	-
SDWA SNC Flag:	N
TRI IDS:	-
TRI Releases Transfers:	-
TRI On Site Releases:	-
TRI Off Site Transfers:	-
TRI Reporter:	-
Facility IMP Water Flag:	-
EJSCREEN Flag US:	Y
EJSCREEN Report:	<a href="https://ejscreen.epa.gov/mapper/mobile/EJSCREEN_mobile.aspx?geometry=%7B%22x%22:-83,%22y%22:42.45371,%22spatialReference%22:%7B%22wkid%22:4326%7D%7D&amp;unit=9035&amp;areatype=&amp;areaid=&amp;basemap=streets&amp;distance=1">https://ejscreen.epa.gov/mapper/mobile/EJSCREEN_mobile.aspx?geometry=%7B%22x%22:-83,%22y%22:42.45371,%22spatialReference%22:%7B%22wkid%22:4326%7D%7D&amp;unit=9035&amp;areatype=&amp;areaid=&amp;basemap=streets&amp;distance=1</a>

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site Database(s) EDR ID Number  
EPA ID Number

**Q56** **IRENE WOLF** **RCRA-VSQG** **1007097916**  
**NNW** **22525 HOOVER RD** **MIK433377611**  
**1/8-1/4** **WARREN, MI 48089**

**0.215 mi.**  
**1133 ft.**

**Site 1 of 2 in cluster Q**

**Relative:**  
**Higher**

**Actual:**  
**625 ft.**

RCRA Listings:

Date Form Received by Agency:	20030627
Handler Name:	Irene Wolf
Handler Address:	22525 HOOVER RD
Handler City,State,Zip:	WARREN, MI 48089
EPA ID:	MIK433377611
Contact Name:	IRENE WOLF
Contact Address:	22525 HOOVER RD
Contact City,State,Zip:	WARREN, MI 48089
Contact Telephone:	248-624-6604
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:	6739 ARLINGTON DR
Mailing City,State,Zip:	WEST BLOOMFIELD, MI 48322
Owner Name:	Irene Wolf
Owner Type:	Private
Operator Name:	Irene Wolf
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
Universal Waste Destination Facility:	No
Federal Universal Waste:	No
Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	NN
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:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**IRENE WOLF (Continued)**

**1007097916**

Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
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:	Not reported
Manifest Broker:	Not reported
Sub-Part P Indicator:	No

**Hazardous Waste Summary:**

Waste Code:	D001
Waste Description:	Ignitable Waste

**Handler - Owner Operator:**

Owner/Operator Indicator:	Operator
Owner/Operator Name:	IRENE WOLF
Legal Status:	Private
Date Became Current:	20030627
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:	IRENE WOLF
Legal Status:	Private
Date Became Current:	20030627
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:	20030627
Handler Name:	IRENE WOLF
Federal Waste Generator Description:	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

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**IRENE WOLF (Continued)**

**1007097916**

Current Record: Yes  
Non Storage Recycler Activity: Not reported  
Electronic Manifest Broker: Not reported

List of NAICS Codes and Descriptions:

NAICS Code: 53112  
NAICS Description: LESSORS OF NONRESIDENTIAL BUILDINGS (EXCEPT MINIWAREHOUSES)

Facility Has Received Notices of Violations:

Violations: No Violations Found

Evaluation Action Summary:

Evaluations: No Evaluations Found

**57**  
**ESE**  
**1/8-1/4**  
**0.215 mi.**  
**1134 ft.**

**RENE VANASSCHE & SONS CO**  
**21530 GROESBECK HWY**  
**WARREN, MI 48089**

**MI LUST** **U003426344**  
**MI UST** **N/A**

**Relative:**  
**Lower**

**LUST:**

**Actual:**  
**624 ft.**

Name: RENE VANASSCHE & SONS CO  
Address: 21530 GROESBECK HWY  
City,State,Zip: WARREN, MI 48089  
Facility ID: 39749  
Source: Not reported  
Owner Name: Eid, Edward  
Owner Address: Not reported  
Owner City,St,Zip: Not reported  
Owner Contact: Not reported  
Owner Phone: (248) 821-2770  
Country: Not reported  
District: Warren  
Site Name: Rene Vanassche & Sons Co  
Latitude: 42.45511  
Longitude: -82.99807  
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: 29558  
Release Date: 08/06/1998  
Substance Released: Not reported  
Release Status: Closed

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**RENE VANASSCHE & SONS CO (Continued)**

**U003426344**

Release Closed Date: 09/13/2001

Leak Number: C-0715-98  
Release Date: 08/06/1998  
Substance Released: Unknown  
Release Status: Closed  
Release Closed Date: 09/13/2001

**UST:**

Name: RENE VANASSCHE & SONS CO  
Address: 21530 GROESBECK HWY  
City,State,Zip: WARREN 48089-3133  
Facility Type: CLOSED  
Facility ID: 00039749  
Owner Name: RENE VANASSCHE & SONS CO  
Owner Address: 21530 GROESBECK HWY  
Owner City: WARREN  
Owner State: MI  
Owner Zip: 48089-3133  
Owner Contact: Not reported  
Owner Phone: 8107724930  
Contact: LEE ARNOLD  
Contact Phone: (810) 778-4930  
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: Region 1 - SE Michigan District Office  
Tank ID: 2  
Capacity: 1500  
Tank Status: Removed from Ground  
Substance: Diesel  
Install Date: Not reported  
Remove Date: 07/28/1998  
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: 42.45511  
Longitude: -82.99807

Name: RENE VANASSCHE & SONS CO  
Address: 21530 GROESBECK HWY  
City,State,Zip: WARREN 48089-3133  
Facility Type: CLOSED  
Facility ID: 00039749  
Owner Name: RENE VANASSCHE & SONS CO  
Owner Address: 21530 GROESBECK HWY  
Owner City: WARREN  
Owner State: MI

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**RENE VANASSCHE & SONS CO (Continued)**

**U003426344**

Owner Zip: 48089-3133  
Owner Contact: Not reported  
Owner Phone: 8107724930  
Contact: LEE ARNOLD  
Contact Phone: (810) 778-4930  
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: Region 1 - SE Michigan District Office  
Tank ID: 1  
Capacity: 1000  
Tank Status: Removed from Ground  
Substance: Gasoline  
Install Date: Not reported  
Remove Date: 07/28/1998  
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: 42.45511  
Longitude: -82.99807

**58**  
**NW**  
**1/8-1/4**  
**0.215 mi.**  
**1135 ft.**

**ACUMENT GLOBAL TECHNOLOGIES**  
**11500 HUPP AVE**  
**WARREN, MI 48089**

**RCRA NonGen / NLR**

**1007264577**  
**MIK611678285**

**Relative:**  
**Higher**

**Actual:**  
**625 ft.**

RCRA Listings:  
Date Form Received by Agency: 20100330  
Handler Name: Acument Global Technologies  
Handler Address: 11500 HUPP AVE  
Handler City,State,Zip: WARREN, MI 48089  
EPA ID: MIK611678285  
Contact Name: SUSAN TOCZYLOWSKI  
Contact Address: 11500 HUPP AVE  
Contact City,State,Zip: WARREN, MI 48089  
Contact Telephone: 586-209-0397  
Contact Fax: Not reported  
Contact Email: Not reported  
Contact Title: Not reported  
EPA Region: 05  
Land Type: Other  
Federal Waste Generator Description: Not a generator, verified  
Non-Notifier: Not reported  
Biennial Report Cycle: Not reported  
Accessibility: Not reported  
Active Site Indicator: Not reported  
State District Owner: Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**ACUMENT GLOBAL TECHNOLOGIES (Continued)**

**1007264577**

State District:	Not reported
Mailing Address:	6125 E 18 MILE RD
Mailing City,State,Zip:	STERLING HEIGHTS, MI 48314
Owner Name:	No Active O/Op As Not Generating Waste
Owner Type:	Private
Operator Name:	No Active O/Op As Not Generating Waste
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
Universal Waste Destination Facility:	No
Federal Universal Waste:	No
Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	NN
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:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
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:	Not reported
Manifest Broker:	Not reported
Sub-Part P Indicator:	No

**Hazardous Waste Summary:**

Waste Code:	D001
Waste Description:	Ignitable Waste

**Handler - Owner Operator:**

Owner/Operator Indicator:	Operator
Owner/Operator Name:	NO ACTIVE O/OP AS NOT GENERATING WASTE

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**ACUMENT GLOBAL TECHNOLOGIES (Continued)**

**1007264577**

Legal Status:	Private
Date Became Current:	20090131
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:	NO ACTIVE O/OP AS NOT GENERATING WASTE
Legal Status:	Private
Date Became Current:	20090131
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:	NO ACTIVE O/OP AS NOT GENERATING WASTE
Legal Status:	Private
Date Became Current:	20090131
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:	NO ACTIVE O/OP AS NOT GENERATING WASTE
Legal Status:	Private
Date Became Current:	20090131
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:	NO ACTIVE O/OP AS NOT GENERATING WASTE
Legal Status:	Private
Date Became Current:	20090131
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

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**ACUMENT GLOBAL TECHNOLOGIES (Continued)**

**1007264577**

Owner/Operator Indicator: Owner  
Owner/Operator Name: NO ACTIVE O/OP AS NOT GENERATING WASTE  
Legal Status: Private  
Date Became Current: 20090131  
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: NO ACTIVE O/OP AS NOT GENERATING WASTE  
Legal Status: Private  
Date Became Current: 20090131  
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: NO ACTIVE O/OP AS NOT GENERATING WASTE  
Legal Status: Private  
Date Became Current: 20090131  
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: 19800101  
Handler Name: ACUMENT GLOBAL TECHNOLOGIES  
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: 20040115  
Handler Name: ACUMENT GLOBAL TECHNOLOGIES  
Federal Waste Generator Description: 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

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**ACUMENT GLOBAL TECHNOLOGIES (Continued)**

**1007264577**

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: 20070316  
Handler Name: ACUMENT GLOBAL TECHNOLOGIES  
Federal Waste Generator Description: Conditionally Exempt Small Quantity Generator  
State District Owner: Not reported  
Large Quantity Handler of Universal Waste: Yes  
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: 20100330  
Handler Name: ACUMENT GLOBAL TECHNOLOGIES  
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: Yes  
Non Storage Recycler Activity: Not reported  
Electronic Manifest Broker: Not reported

List of NAICS Codes and Descriptions:

NAICS Code: 333513  
NAICS Description: MACHINE TOOL (METAL FORMING TYPES) MANUFACTURING

Facility Has Received Notices of Violations:

Violations: No Violations Found

Evaluation Action Summary:

Evaluations: No Evaluations Found

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

EDR ID Number  
EPA ID Number

**R59**  
**WNW**  
**1/8-1/4**  
**0.216 mi.**  
**1141 ft.**  
**GFL-WARREN HOOVER**  
**WARREN, MI**  
**Site 1 of 4 in cluster R**

**PFAS ECHO** **1027363669**  
**N/A**

**Relative:**  
**Higher**

**Actual:**  
**625 ft.**

PFAS ECHO:

Name: GFL-WARREN HOOVER  
Address: Not reported  
City,State,Zip: WARREN, MI  
Latitude: 42.458399  
Longitude: -83.009064  
Count: 1  
County: MACOMB COUNTY  
Status: Active  
Region: 05  
Industry: Waste Management  
ECHO Facility Report: <https://echo.epa.gov/detailed-facility-report?fid=110070742066>  
Facility Percent Minority: 56.465  
Facility Derived Tribes: -  
Facility Population: 4723.96  
EPA Programs: CWA  
Federal Facility: No  
Federal Agency: -  
Facility FIPS Code: 26099  
Facility Indian Country Flag: N  
Facility Collection Method: UNKNOWN  
Facility Derived HUC: 04090002  
Facility Derived WBD: 040900030401  
Facility Derived CD113: 09  
Facility Derived CB2010: 260992639002000  
Facility Major Flag: -  
Facility Active Flag: Y  
Facility Inspection Count: 0  
Facility Date Last Inspection: -  
Facility Days Last Inspection: -  
Facility Informal Count: 0  
Facility Date Last Informal Action: -  
Facility Formal Action Count: 0  
Facility Date Last Formal Action: -  
Facility Total Penalties: 0  
Facility Penalty Count: -  
Facility Date Last Penalty: -  
Facility Last Penalty AMT: -  
Facility QTRS With NC: 9  
Facility Programs With SNC: 0  
Facility Compliance Status: Violation Identified  
Facility SNC Flag: N  
AIR Flag: N  
NPDES Flag: Y  
SDWIS Flag: N  
RCRA Flag: N  
TRI Flag: N  
GHG Flag: N  
AIR IDS: -  
CAA Permit Types: -  
CAA NAICS: -  
CAA SICS: -  
NPDES IDS: MIS112010

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**GFL-WARREN HOOVER (Continued)**

**1027363669**

CWA Permit Types:	Minor
CWA NAICS:	-
CWA SICS:	4953 4212
RCRA IDS:	-
RCRA Permit Types:	-
RCRA NAICS:	-
SDWA IDS:	-
SDWA System Types:	-
SDWA Compliance Status:	-
SDWA SNC Flag:	N
TRI IDS:	-
TRI Releases Transfers:	-
TRI On Site Releases:	-
TRI Off Site Transfers:	-
TRI Reporter:	-
Facility IMP Water Flag:	-
EJSCREEN Flag US:	Y
EJSCREEN Report:	<a href="https://ejscreen.epa.gov/mapper/mobile/EJSCREEN_mobile.aspx?geometry=%7B%22x%22:-83.009064,%22y%22:42.458399,%22spatialReference%22:%7B%22wkid%22:4326%7D%7D&amp;unit=9035&amp;areatype=&amp;areaid=&amp;basemap=streets&amp;distance=1">https://ejscreen.epa.gov/mapper/mobile/EJSCREEN_mobile.aspx?geometry=%7B%22x%22:-83.009064,%22y%22:42.458399,%22spatialReference%22:%7B%22wkid%22:4326%7D%7D&amp;unit=9035&amp;areatype=&amp;areaid=&amp;basemap=streets&amp;distance=1</a>

**R60**  
**WNW**  
**1/8-1/4**  
**0.216 mi.**  
**1143 ft.**

**ALLIED PROD CORP**  
**22001 HOOVER RD**  
**WARREN, MI 48089**  
**Site 2 of 4 in cluster R**

**MI SWF/LF** **S110484886**  
**MI NPDES** **N/A**  
**MI WDS**

**Relative:**  
**Higher**  
**Actual:**  
**625 ft.**

SWF/LF:	
Name:	EXPRESS SERVICE/METRO SANITATION
Address:	22001 HOOVER RD
City,State,Zip:	WARREN, MI 48089
Facility ID:	466207
Site ID:	Not reported
Specific Name:	EXPRESS SERVICE/METRO SANITATION
Contact Name:	Not reported
Contact Telephone:	Not reported

MI NPDES:	
Name:	GFL-WARREN HOOVER
Address:	22001 HOOVER ROAD
City,State,Zip:	WARREN, MI 48089
Permit Number:	MIS112010
Permittee PO Box:	Not reported
Permittee Email:	Not reported
Issue Date:	10/08/2021
Effective Date:	10/08/2021
Expiration Date:	04/01/2026
Permittee Name:	GFL Environmental USA Inc.
Permittee Address:	26999 CENTRAL PARK BLVD
Permittee Addr2:	STE 200
Permittee City,St,Zip:	SOUTHFIELD, MI 48076
Permit Type:	NPDES Certificate of Coverage under General Permit (COC)
Facility Name 2:	Not reported
Facility Name 3:	Not reported
Facility Name 4:	Not reported
Designed Name:	Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**ALLIED PROD CORP (Continued)**

**S110484886**

Latitude: 42.458399  
Lat Direction: Not reported  
Lat Type Code: Not reported  
Longitude: -83.009064  
Lon Direction: Not reported  
Lon Type Code: Not reported  
Hydrologic Unit Code: Not reported  
Permit Status: In Effect  
COC Permit Category: SW-Industrial CY1  
DEQ District Email: Warren  
DEQ Permit Compliance Manager: Eric Moore  
DEQ Permit Compliance Manager Email: MooreE12@michigan.gov

**WDS:**

Name: ALLIED PROD CORP  
Address: 22001 HOOVER RD  
City,State,Zip: WARREN, MI 48089  
Site Id: MID058813304  
WMD Id: 396475  
Site Specific Name: ALLIED PROD CORP  
Mailing Address: 9685 GRINNELL ST  
Mailing City/State/Zip: 48213  
Mailing County: WAYNE

Name: WOLVERINE BOLT CO  
Address: 22001 HOOVER RD  
City,State,Zip: WARREN, MI 48089  
Site Id: MIG000000427  
WMD Id: 459074  
Site Specific Name: WOLVERINE BOLT CO  
Mailing Address: 22001 HOOVER RD  
Mailing City/State/Zip: 48089  
Mailing County: MACOMB

Name: EXPRESS SERVICE/METRO SANITATION  
Address: 22001 HOOVER RD  
City,State,Zip: WARREN, MI 48089  
Site Id: Not reported  
WMD Id: 466207  
Site Specific Name: EXPRESS SERVICE/METRO SANITATION  
Mailing Address: 22001 HOOVER RD  
Mailing City/State/Zip: 48089  
Mailing County: MACOMB

**R61**  
**WNW**  
**1/8-1/4**  
**0.216 mi.**  
**1143 ft.**

**GFL ENVIRONMENTAL USA**  
**22001 HOOVER RD**  
**WARREN, MI 48089**  
**Site 3 of 4 in cluster R**

**MI LUST** **U002302069**  
**MI UST** **N/A**  
**MI INVENTORY**  
**MI BEA**

**Relative:**  
**Higher**

**Actual:**  
**625 ft.**

**LUST:**  
Name: GFL ENVIRONMENTAL USA  
Address: 22001 HOOVER RD  
City,State,Zip: WARREN, MI 48089  
Facility ID: 35031  
Source: Not reported  
Owner Name: STOCKER, TERRY

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**GFL ENVIRONMENTAL USA (Continued)**

**U002302069**

Owner Address: Not reported  
Owner City,St,Zip: Not reported  
Owner Contact: Not reported  
Owner Phone: Not reported  
Country: Not reported  
District: Warren  
Site Name: Metro Sanitation LLC  
Latitude: 42.45852  
Longitude: -83.00948  
Date of Collection: Not reported  
Method of Collection: The geographic coordinate determination method based on GPS code measurements (pseudo range) standard positioning service (SA Off).  
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: 31291  
Release Date: 08/15/2017  
Substance Released: Diesel  
Release Status: Open  
Release Closed Date: Not reported  
  
Leak Number: C-0208-17  
Release Date: 08/15/2017  
Substance Released: Diesel  
Release Status: Open  
Release Closed Date: Not reported

**UST:**

Name: GFL ENVIRONMENTAL USA  
Address: 22001 HOOVER RD  
City,State,Zip: WARREN 48089-2554  
Facility Type: CLOSED  
Facility ID: 00035031  
Owner Name: Not reported  
Owner Address: 3200 ELMRIDGE  
Owner City: STERLING HEIGHTS  
Owner State: MI  
Owner Zip: 48303  
Owner Contact: Not reported  
Owner Phone: 5867728900  
Contact: Jack A. Campo  
Contact Phone: (586) 756-1006  
Date of Collection: 09/09/2003  
Accuracy: 100  
Horizontal Datum: NAD83  
Accuracy Value Unit: FEET  
Source: STATE OF MICHIGAN  
Point Line Area: POINT  
Desc Category: Plant Entrance (Freight)

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**GFL ENVIRONMENTAL USA (Continued)**

**U002302069**

Method of Collection: GPS Code Meas. Standard Positioning Service SA Off  
District: Region 1 - SE Michigan District Office  
Tank ID: 1  
Capacity: 12000  
Tank Status: Removed from Ground  
Substance: Diesel  
Install Date: 08/01/1986  
Remove Date: 11/06/2017  
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: Yes  
Latitude: 42.45852  
Longitude: -83.00948

**INVENTORY:**

Name: GFL ENVIRONMENTAL USA  
Address: 22001 HOOVER RD  
City,State,Zip: WARREN, MI 48089  
Township: Not reported  
District: Warren  
Data Source: Risks Not Determined  
Lust Name: Metro Sanitation LLC  
Regulatory Program: 213  
Release Status: Open  
Project Manager: Adolphues, Ira  
Latitude: 42.458522  
Longitude: -83.009487

**BEA:**

Name: GFL ENVIRONMENTAL USA  
Address: 22001 HOOVER RD  
City,State,Zip: WARREN, MI 48089  
Secondary Address: Not reported  
BEA Number: Not reported  
District: Not reported  
Date Received: 11/03/2017  
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: 00035031  
Submittal Type: Baseline Environmental Assessment  
Submittal Number: B201707908LV  
Approval Status: RRD Received  
Workflow Status: Submitted  
Date Submitted: 2017-11-06 13:49:56  
Date Completed: Not reported  
Township: Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**GFL ENVIRONMENTAL USA (Continued)**

**U002302069**

Work Unit:	Warren
Comments:	Not reported
Organization:	GFL Environmental USA Roll-Off Inc.
Contact:	Richard L. Burns
Contact Type:	Submitter Contact
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

**R62**  
**WNW**  
**1/8-1/4**  
**0.216 mi.**  
**1143 ft.**

**ALLIED PROD CORP**  
**22001 HOOVER RD**  
**WARREN, MI 48089**

**RCRA NonGen / NLR**  
**FINDS**  
**ECHO**

**1000248876**  
**MID058813304**

**Site 4 of 4 in cluster R**

**Relative:**  
**Higher**

**Actual:**  
**625 ft.**

RCRA Listings:	
Date Form Received by Agency:	19800811
Handler Name:	Allied Prod Corp
Handler Address:	22001 HOOVER RD
Handler City,State,Zip:	WARREN, MI 48089
EPA ID:	MID058813304
Contact Name:	ROBERT MARTEN
Contact Address:	22001 HOOVER RD
Contact City,State,Zip:	WARREN, MI 48089
Contact Telephone:	313-921-3040
Contact Fax:	Not reported
Contact Email:	Not reported
Contact Title:	Not reported
EPA Region:	05
Land Type:	Other
Federal Waste Generator Description:	Not a generator, verified
Non-Notifier:	Not reported
Biennial Report Cycle:	Not reported
Accessibility:	Not reported
Active Site Indicator:	Not reported
State District Owner:	Not reported
State District:	Not reported
Mailing Address:	9685 GRINNELL ST
Mailing City,State,Zip:	DETROIT, MI 48213
Owner Name:	No Active O/Op As Not Generating Waste
Owner Type:	Private
Operator Name:	No Active O/Op As Not Generating Waste
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

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**ALLIED PROD CORP (Continued)**

**1000248876**

Off-Site Waste Receipt:	No
Universal Waste Indicator:	No
Universal Waste Destination Facility:	No
Federal Universal Waste:	No
Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	NN
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:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
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:	Not reported
Manifest Broker:	Not reported
Sub-Part P Indicator:	No

**Hazardous Waste Summary:**

Waste Code:	D001
Waste Description:	Ignitable Waste

**Handler - Owner Operator:**

Owner/Operator Indicator:	Operator
Owner/Operator Name:	NO ACTIVE O/OP AS NOT GENERATING WASTE
Legal Status:	Private
Date Became Current:	19700103
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:	NO ACTIVE O/OP AS NOT GENERATING WASTE
Legal Status:	Private
Date Became Current:	19700103
Date Ended Current:	Not reported
Owner/Operator Address:	Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**ALLIED PROD CORP (Continued)**

**1000248876**

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:	19800811
Handler Name:	ALLIED PROD 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:	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

Facility Has Received Notices of Violations:

Violations:	No Violations Found
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Evaluation Action Summary:

Evaluations:	No Evaluations Found
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FINDS:

Registry ID:	110003599375
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[Click Here for FRS Facility Detail Report:](#)

Environmental Interest/Information System:

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

[Click this hyperlink](#) while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

ECHO:

Envid:	1000248876
Registry ID:	110003599375
DFR URL:	<a href="http://echo.epa.gov/detailed-facility-report?fid=110003599375">http://echo.epa.gov/detailed-facility-report?fid=110003599375</a>
Name:	ALLIED PROD CORP
Address:	22001 HOOVER RD
City,State,Zip:	WARREN, MI 48089

<b>S63</b>	<b>NORTHERN TRANSPORT CO</b>	<b>RCRA NonGen / NLR</b>	<b>1000408546</b>
<b>East</b>	<b>21725 GROESBECK HWY</b>		<b>MID980823850</b>
<b>1/8-1/4</b>	<b>WARREN, MI 48089</b>		
<b>0.218 mi.</b>			
<b>1152 ft.</b>	<b>Site 1 of 6 in cluster S</b>		
<b>Relative:</b>	RCRA Listings:		
<b>Lower</b>	Date Form Received by Agency:	20010405	
	Handler Name:	Northern Transport Co	
<b>Actual:</b>	Handler Address:	21725 GROESBECK HWY	
<b>624 ft.</b>	Handler City,State,Zip:	WARREN, MI 48089	
	EPA ID:	MID980823850	
	Contact Name:	NORMAN KAHL	
	Contact Address:	21725 GROESBECK HWY	
	Contact City,State,Zip:	WARREN, MI 48089	
	Contact Telephone:	313-784-5987	
	Contact Fax:	Not reported	
	Contact Email:	Not reported	
	Contact Title:	Not reported	
	EPA Region:	05	
	Land Type:	Private	
	Federal Waste Generator Description:	Not a generator, verified	
	Non-Notifier:	Not reported	
	Biennial Report Cycle:	Not reported	
	Accessibility:	Not reported	
	Active Site Indicator:	Not reported	
	State District Owner:	Not reported	
	State District:	Not reported	
	Mailing Address:	18000 34 MILE RD	
	Mailing City,State,Zip:	ARMADA, MI 48005	
	Owner Name:	Kahl Norman	
	Owner Type:	Private	
	Operator Name:	Kahl Norman	
	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	
	Universal Waste Destination Facility:	No	
	Federal Universal Waste:	No	
	Active Site State-Reg Handler:	---	
	Federal Facility Indicator:	Not reported	
	Hazardous Secondary Material Indicator:	NN	
	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:	No	
	Corrective Action Priority Ranking:	No NCAPS ranking	
	Environmental Control Indicator:	No	
	Institutional Control Indicator:	No	

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**NORTHERN TRANSPORT CO (Continued)**

**1000408546**

Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
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:	Not reported
Manifest Broker:	Not reported
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:	KAHL NORMAN
Legal Status:	Private
Date Became Current:	19700101
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:	KAHL NORMAN
Legal Status:	Private
Date Became Current:	19700101
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:	KAHL NORMAN
Legal Status:	Private
Date Became Current:	19700101
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

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**NORTHERN TRANSPORT CO (Continued)**

**1000408546**

Owner/Operator Email: Not reported

Owner/Operator Indicator: Operator

Owner/Operator Name: KAHL NORMAN

Legal Status: Private

Date Became Current: 19700101

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: KAHL NORMAN

Legal Status: Private

Date Became Current: 19700101

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: KAHL NORMAN

Legal Status: Private

Date Became Current: 19700101

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: 19980917

Handler Name: NORTHERN TRANSPORT CO

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: 20010405

Handler Name: NORTHERN TRANSPORT CO

Federal Waste Generator Description: Not a generator, verified

State District Owner: Not reported

Large Quantity Handler of Universal Waste: No

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**NORTHERN TRANSPORT CO (Continued)**

**1000408546**

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

Receive Date: 19830711  
Handler Name: NORTHERN TRANSPORT CO  
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

List of NAICS Codes and Descriptions:

NAICS Code: 484121  
NAICS Description: GENERAL FREIGHT TRUCKING, LONG-DISTANCE, TRUCKLOAD

Facility Has Received Notices of Violations:

Violations: No Violations Found

Evaluation Action Summary:

Evaluations: No Evaluations Found

**S64**  
**East**  
**1/8-1/4**  
**0.218 mi.**  
**1152 ft.**

**WIEGAND'S CRUSHING, INC.**  
**21725 GROESBECK HIGHWAY**  
**WARREN, MI 48089**

**RCRA NonGen / NLR**  
**FINDS**  
**ECHO**

**1000185561**  
**MID005339684**

**Site 2 of 6 in cluster S**

**Relative:**  
**Lower**

**Actual:**  
**624 ft.**

RCRA Listings:  
Date Form Received by Agency: 19971020  
Handler Name: Linde Gases Of The Great Lakes Inc  
Handler Address: 21725 GROESBECK HWY  
Handler City,State,Zip: WARREN, MI 48089  
EPA ID: MID005339684  
Contact Name: RANDY FLETCHER  
Contact Address: 21725 GROESBECK HWY  
Contact City,State,Zip: WARREN, MI 48089  
Contact Telephone: 201-271-2655  
Contact Fax: Not reported  
Contact Email: Not reported  
Contact Title: Not reported  
EPA Region: 05  
Land Type: Other  
Federal Waste Generator Description: Not a generator, verified  
Non-Notifier: Not reported  
Biennial Report Cycle: Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**WIEGAND'S CRUSHING, INC. (Continued)**

**1000185561**

Accessibility:	Not reported
Active Site Indicator:	Not reported
State District Owner:	Not reported
State District:	Not reported
Mailing Address:	21725 GROESBECK HWY
Mailing City,State,Zip:	WARREN, MI 48089
Owner Name:	No Active O/Op As Not Generating Waste
Owner Type:	Private
Operator Name:	No Active O/Op As Not Generating Waste
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
Universal Waste Destination Facility:	No
Federal Universal Waste:	No
Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	NN
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:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
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:	Not reported
Manifest Broker:	Not reported
Sub-Part P Indicator:	No

**Hazardous Waste Summary:**

Waste Code:	D001
Waste Description:	Ignitable Waste

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**WIEGAND'S CRUSHING, INC. (Continued)**

**1000185561**

Handler - Owner Operator:

Owner/Operator Indicator: Owner  
Owner/Operator Name: NO ACTIVE O/OP AS NOT GENERATING WASTE  
Legal Status: Private  
Date Became Current: 19700103  
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: NO ACTIVE O/OP AS NOT GENERATING WASTE  
Legal Status: Private  
Date Became Current: 19700103  
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: NO ACTIVE O/OP AS NOT GENERATING WASTE  
Legal Status: Private  
Date Became Current: 19700103  
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: NO ACTIVE O/OP AS NOT GENERATING WASTE  
Legal Status: Private  
Date Became Current: 19700103  
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: 19971020  
Handler Name: LINDE GASES OF THE GREAT LAKES INC  
Federal Waste Generator Description: Not a generator, verified  
State District Owner: Not reported  
Large Quantity Handler of Universal Waste: No  
Recognized Trader Importer: No

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**WIEGAND'S CRUSHING, INC. (Continued)**

**1000185561**

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

Receive Date: 19800818  
Handler Name: LINDE GASES OF THE GREAT LAKES INC  
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: 19900226  
Handler Name: LINDE GASES OF THE GREAT LAKES INC  
Federal Waste Generator Description: Large 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: No  
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: 42269  
NAICS Description: OTHER CHEMICAL AND ALLIED PRODUCTS WHOLESALERS

Has the Facility Received Notices of Violations:

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

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**WIEGAND'S CRUSHING, INC. (Continued)**

**1000185561**

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
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**WIEGAND'S CRUSHING, INC. (Continued)**

**1000185561**

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  
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: 19890822  
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: 19850423

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**WIEGAND'S CRUSHING, INC. (Continued)**

**1000185561**

Evaluation Responsible Agency:	State
Found Violation:	No
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
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:	19890822
Evaluation Responsible Agency:	State
Found Violation:	No
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
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

**FINDS:**

Registry ID: 110003579841

[Click Here for FRS Facility Detail Report:](#)

**Environmental Interest/Information System:**

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

Registry ID: 110009599470

[Click Here for FRS Facility Detail Report:](#)

**Environmental Interest/Information System:**

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

Registry ID: 110063956429

[Click Here for FRS Facility Detail Report:](#)

**Environmental Interest/Information System:**

AIR MINOR

[Click this hyperlink](#) while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**WIEGAND'S CRUSHING, INC. (Continued)**

**1000185561**

**ECHO:**

Envid: 1000185561  
Registry ID: 110009599470  
DFR URL: <http://echo.epa.gov/detailed-facility-report?fid=110009599470>  
Name: NORTHERN TRANSPORT CO  
Address: 21725 GROESBECK HWY  
City,State,Zip: WARREN, MI 48089

Envid: 1000185561  
Registry ID: 110003579841  
DFR URL: <http://echo.epa.gov/detailed-facility-report?fid=110003579841>  
Name: LINDE GASES OF THE GREAT LAKES INC  
Address: 21725 GROESBECK HWY  
City,State,Zip: WARREN, MI 48089

**S65**  
**East**  
**1/8-1/4**  
**0.218 mi.**  
**1152 ft.**

**UNION CARBIDE CORP LINDE DIVISION**  
**21725 GROESBECK HWY**  
**WARREN, MI 48089**

**MI LUST** **U003561478**  
**MI UST** **N/A**  
**MI WDS**

**Site 3 of 6 in cluster S**

**Relative:**  
**Lower**

**LUST:**

**Actual:**  
**624 ft.**

Name: UNION CARBIDE CORP LINDE DIVISION  
Address: 21725 GROESBECK HWY  
City,State,Zip: WARREN, MI 48089  
Facility ID: 3826  
Source: Not reported  
Owner Name: Matheny, Scott  
Owner Address: Not reported  
Owner City,St,Zip: Not reported  
Owner Contact: Not reported  
Owner Phone: 906-250-3505  
Country: Not reported  
District: Warren  
Site Name: Linde Gase And Equipment  
Latitude: 42.45668  
Longitude: -82.99731  
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: 14957  
Release Date: 10/27/1989  
Substance Released: Not reported  
Release Status: Closed  
Release Closed Date: 05/23/1995

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**UNION CARBIDE CORP LINDE DIVISION (Continued)**

**U003561478**

Leak Number: C-0775-89  
Release Date: 10/27/1989  
Substance Released: Not reported  
Release Status: Closed  
Release Closed Date: 05/23/1995

**UST:**

Name: UNION CARBIDE CORP LINDE DIVISION  
Address: 21725 GROESBECK HWY  
City,State,Zip: WARREN 48089-2609  
Facility Type: CLOSED  
Facility ID: 00003826  
Owner Name: UNION CARBIDE CORP  
Owner Address: 39 OLD RIDGEBURY RD  
Owner City: DANBURY  
Owner State: CT  
Owner Zip: 06817-0001  
Owner Contact: Not reported  
Owner Phone: 2037942000  
Contact: R.D. Anderson  
Contact Phone: (313) 445-3350  
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: Region 1 - SE Michigan District Office  
Tank ID: 5  
Capacity: 2000  
Tank Status: Removed from Ground  
Substance: Gasoline  
Install Date: Not reported  
Remove Date: 05/01/1985  
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: 42.45668  
Longitude: -82.99731

Name: UNION CARBIDE CORP LINDE DIVISION  
Address: 21725 GROESBECK HWY  
City,State,Zip: WARREN 48089-2609  
Facility Type: CLOSED  
Facility ID: 00003826  
Owner Name: UNION CARBIDE CORP  
Owner Address: 39 OLD RIDGEBURY RD  
Owner City: DANBURY  
Owner State: CT  
Owner Zip: 06817-0001  
Owner Contact: Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**UNION CARBIDE CORP LINDE DIVISION (Continued)**

**U003561478**

Owner Phone: 2037942000  
Contact: R.D. Anderson  
Contact Phone: (313) 445-3350  
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: Region 1 - SE Michigan District Office  
Tank ID: 4  
Capacity: 2000  
Tank Status: Removed from Ground  
Substance: Gasoline  
Install Date: 04/11/1936  
Remove Date: 01/01/1971  
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: 42.45668  
Longitude: -82.99731

Name: UNION CARBIDE CORP LINDE DIVISION  
Address: 21725 GROESBECK HWY  
City,State,Zip: WARREN 48089-2609  
Facility Type: CLOSED  
Facility ID: 00003826  
Owner Name: UNION CARBIDE CORP  
Owner Address: 39 OLD RIDGEBURY RD  
Owner City: DANBURY  
Owner State: CT  
Owner Zip: 06817-0001  
Owner Contact: Not reported  
Owner Phone: 2037942000  
Contact: R.D. Anderson  
Contact Phone: (313) 445-3350  
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: Region 1 - SE Michigan District Office  
Tank ID: 3  
Capacity: 2000  
Tank Status: Removed from Ground  
Substance: Other(MOTOR OIL)  
Install Date: 04/12/1971

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**UNION CARBIDE CORP LINDE DIVISION (Continued)**

**U003561478**

Remove Date: 11/01/1989  
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: 42.45668  
Longitude: -82.99731

Name: UNION CARBIDE CORP LINDE DIVISION  
Address: 21725 GROESBECK HWY  
City,State,Zip: WARREN 48089-2609  
Facility Type: CLOSED  
Facility ID: 00003826  
Owner Name: UNION CARBIDE CORP  
Owner Address: 39 OLD RIDGEBURY RD  
Owner City: DANBURY  
Owner State: CT  
Owner Zip: 06817-0001  
Owner Contact: Not reported  
Owner Phone: 2037942000  
Contact: R.D. Anderson  
Contact Phone: (313) 445-3350  
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: Region 1 - SE Michigan District Office  
Tank ID: 2  
Capacity: 2000  
Tank Status: Removed from Ground  
Substance: Gasoline  
Install Date: 04/12/1971  
Remove Date: 12/01/1987  
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: 42.45668  
Longitude: -82.99731

Name: UNION CARBIDE CORP LINDE DIVISION  
Address: 21725 GROESBECK HWY  
City,State,Zip: WARREN 48089-2609  
Facility Type: CLOSED  
Facility ID: 00003826

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**UNION CARBIDE CORP LINDE DIVISION (Continued)**

**U003561478**

Owner Name: UNION CARBIDE CORP  
Owner Address: 39 OLD RIDGEBURY RD  
Owner City: DANBURY  
Owner State: CT  
Owner Zip: 06817-0001  
Owner Contact: Not reported  
Owner Phone: 2037942000  
Contact: R.D. Anderson  
Contact Phone: (313) 445-3350  
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: Region 1 - SE Michigan District Office  
Tank ID: 1  
Capacity: 10000  
Tank Status: Removed from Ground  
Substance: Diesel  
Install Date: 04/12/1971  
Remove Date: 11/01/1989  
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: 42.45668  
Longitude: -82.99731

**WDS:**

Name: NORTHERN TRANSPORT CO  
Address: 21725 GROESBECK HWY  
City,State,Zip: WARREN, MI 48089  
Site Id: MID980823850  
WMD Id: 399280  
Site Specific Name: NORTHERN TRANSPORT CO  
Mailing Address: 18000 34 MILE RD  
Mailing City/State/Zip: 48005  
Mailing County: MACOMB

Name: LINDE GASES OF THE GREAT LAKES INC  
Address: 21725 GROESBECK HWY  
City,State,Zip: WARREN, MI 48089  
Site Id: MID005339684  
WMD Id: 393283  
Site Specific Name: LINDE GASES OF THE GREAT LAKES INC  
Mailing Address: 21725 GROESBECK HWY  
Mailing City/State/Zip: 48089  
Mailing County: MACOMB

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

EDR ID Number  
EPA ID Number

**Q66**  
**NNW**  
**1/8-1/4**  
**0.218 mi.**  
**1152 ft.**  
**MICHIGAN IRON & STEEL SUPPLY CO**  
**WARREN, MI**  
**Site 2 of 2 in cluster Q**

**PFAS ECHO** **1027388189**  
**N/A**

**Relative:**  
**Higher**

**Actual:**  
**625 ft.**

PFAS ECHO:

Name: MICHIGAN IRON & STEEL SUPPLY CO  
Address: Not reported  
City,State,Zip: WARREN, MI  
Latitude: 42.46021  
Longitude: -83.00557  
Count: 1  
County: MACOMB  
Status: Active  
Region: 05  
Industry: Metal Machinery Mfg  
ECHO Facility Report: <https://echo.epa.gov/detailed-facility-report?fid=110037407516>  
Facility Percent Minority: 54.478  
Facility Derived Tribes: -  
Facility Population: 4808.75  
EPA Programs: RCRA  
Federal Facility: No  
Federal Agency: -  
Facility FIPS Code: 26099  
Facility Indian Country Flag: N  
Facility Collection Method: ADDRESS MATCHING-HOUSE NUMBER  
Facility Derived HUC: 04090002  
Facility Derived WBD: 040900030401  
Facility Derived CD113: 09  
Facility Derived CB2010: 260992684001030  
Facility Major Flag: -  
Facility Active Flag: Y  
Facility Inspection Count: 0  
Facility Date Last Inspection: 3/20/2008  
Facility Days Last Inspection: 5,483  
Facility Informal Count: 0  
Facility Date Last Informal Action: 4/2/2008  
Facility Formal Action Count: 0  
Facility Date Last Formal Action: -  
Facility Total Penalties: 0  
Facility Penalty Count: -  
Facility Date Last Penalty: -  
Facility Last Penalty AMT: -  
Facility QTRS With NC: 0  
Facility Programs With SNC: 0  
Facility Compliance Status: No Violation Identified  
Facility SNC Flag: N  
AIR Flag: N  
NPDES Flag: N  
SDWIS Flag: N  
RCRA Flag: Y  
TRI Flag: N  
GHG Flag: N  
AIR IDS: -  
CAA Permit Types: -  
CAA NAICS: -  
CAA SICS: -  
NPDES IDS: -

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**MICHIGAN IRON & STEEL SUPPLY CO (Continued)**

**1027388189**

CWA Permit Types:	-
CWA NAICS:	-
CWA SICS:	-
RCRA IDS:	MIK228678744
RCRA Permit Types:	VSQG
RCRA NAICS:	33121 332999
SDWA IDS:	-
SDWA System Types:	-
SDWA Compliance Status:	-
SDWA SNC Flag:	N
TRI IDS:	-
TRI Releases Transfers:	-
TRI On Site Releases:	-
TRI Off Site Transfers:	-
TRI Reporter:	-
Facility IMP Water Flag:	-
EJSCREEN Flag US:	Y
EJSCREEN Report:	<a href="https://ejscreen.epa.gov/mapper/mobile/EJSCREEN_mobile.aspx?geometry=%7B%22x%22:-83.00557,%22y%22:42.46021,%22spatialReference%22:%7B%22wkid%22:4326%7D%7D&amp;unit=9035&amp;areatype=&amp;areaid=&amp;basemap=streets&amp;distance=1">https://ejscreen.epa.gov/mapper/mobile/EJSCREEN_mobile.aspx?geometry=%7B%22x%22:-83.00557,%22y%22:42.46021,%22spatialReference%22:%7B%22wkid%22:4326%7D%7D&amp;unit=9035&amp;areatype=&amp;areaid=&amp;basemap=streets&amp;distance=1</a>

**S67**  
**East**  
**1/8-1/4**  
**0.230 mi.**  
**1217 ft.**

**RESPONSE FORKLIFT INC**  
**21644 GROESBECK HWY**  
**WARREN, MI 48089**

**RCRA NonGen / NLR**

**1010564588**  
**MIK465717692**

**Site 4 of 6 in cluster S**

**Relative:**  
**Lower**

RCRA Listings:

**Actual:**  
**624 ft.**

Date Form Received by Agency:	20220614
Handler Name:	Response Forklift Inc
Handler Address:	21644 GROESBECK HWY
Handler City,State,Zip:	WARREN, MI 48089
EPA ID:	MIK465717692
Contact Name:	JAMES SHARPE
Contact Address:	Not reported
Contact City,State,Zip:	Not reported
Contact Telephone:	586-771-7767
Contact Fax:	586-771-5254
Contact Email:	JIM@RESPONSEFORKLIFT.COM
Contact Title:	Not reported
EPA Region:	05
Land Type:	Private
Federal Waste Generator Description:	Not a generator, verified
Non-Notifier:	Not reported
Biennial Report Cycle:	Not reported
Accessibility:	Not reported
Active Site Indicator:	Not reported
State District Owner:	Not reported
State District:	Not reported
Mailing Address:	21644 GROESBECK HWY
Mailing City,State,Zip:	WARREN, MI 48089
Owner Name:	James Sharpe
Owner Type:	Private
Operator Name:	James Sharpe
Operator Type:	Private
Short-Term Generator Activity:	No
Importer Activity:	No
Mixed Waste Generator:	No

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**RESPONSE FORKLIFT INC (Continued)**

**1010564588**

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
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:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
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:	20220728
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:	Operator
Owner/Operator Name:	JAMES SHARPE
Legal Status:	Private
Date Became Current:	19990301
Date Ended Current:	Not reported
Owner/Operator Address:	21644 GROESBECK HWY
Owner/Operator City,State,Zip:	WARREN, MI 48089-3132
Owner/Operator Telephone:	Not reported
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**RESPONSE FORKLIFT INC (Continued)**

**1010564588**

Owner/Operator Indicator: Owner  
Owner/Operator Name: JAMES SHARPE  
Legal Status: Private  
Date Became Current: 19990301  
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: JAMES SHARPE  
Legal Status: Private  
Date Became Current: 19990301  
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: JAMES SHARPE  
Legal Status: Private  
Date Became Current: 19990301  
Date Ended Current: Not reported  
Owner/Operator Address: 21644 GROESBECK HWY  
Owner/Operator City,State,Zip: WARREN, MI 48089-3132  
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: 20070629  
Handler Name: RESPONSE FORKLIFT INC  
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: 20220614  
Handler Name: RESPONSE FORKLIFT INC  
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

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**RESPONSE FORKLIFT INC (Continued)**

**1010564588**

Spent Lead Acid Battery Importer: No  
Spent Lead Acid Battery Exporter: No  
Current Record: Yes  
Non Storage Recycler Activity: No  
Electronic Manifest Broker: No

List of NAICS Codes and Descriptions:

NAICS Code: 81131  
NAICS Description: COMMERCIAL AND INDUSTRIAL MACHINERY AND EQUIPMENT (EXCEPT AUTOMOTIVE AND ELECTRONIC) REPAIR AND MAINTENANCE

NAICS Code: 811310  
NAICS Description: COMMERCIAL AND INDUSTRIAL MACHINERY AND EQUIPMENT (EXCEPT AUTOMOTIVE AND ELECTRONIC) REPAIR AND MAINTENANCE

Has the Facility Received Notices of Violations:

Found Violation: Yes  
Agency Which Determined Violation: State  
Violation Short Description: State Statute or Regulation  
Date Violation was Determined: 20070611  
Actual Return to Compliance Date: 20070918  
Return to Compliance Qualifier: Documented  
Violation Responsible Agency: State  
Scheduled Compliance Date: 20080717  
Enforcement Identifier: 001  
Date of Enforcement Action: 20070625  
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: 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

Evaluation Action Summary:

Evaluation Date: 20070611

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**RESPONSE FORKLIFT INC (Continued)**

**1010564588**

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:	20070918
Scheduled Compliance Date:	20080717
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported

**T68**  
**South**  
**1/8-1/4**  
**0.232 mi.**  
**1224 ft.**

**ARES MANUFACTURING CORP**  
**21000 HOOVER RD**  
**WARREN, MI 48089**

**RCRA NonGen / NLR**

**1000385767**  
**MID005359195**

**Site 1 of 5 in cluster T**

**Relative:**  
**Higher**

**Actual:**  
**625 ft.**

RCRA Listings:	20070615
Date Form Received by Agency:	Ares Manufacturing Corp
Handler Name:	21000 HOOVER RD
Handler Address:	WARREN, MI 48089
Handler City,State,Zip:	MID005359195
EPA ID:	JOHN VICO
Contact Name:	21000 HOOVER RD
Contact Address:	WARREN, MI 48089
Contact City,State,Zip:	586-758-2029
Contact Telephone:	Not reported
Contact Fax:	Not reported
Contact Email:	Not reported
Contact Title:	Not reported
EPA Region:	05
Land Type:	Private
Federal Waste Generator Description:	Not a generator, verified
Non-Notifier:	Not reported
Biennial Report Cycle:	Not reported
Accessibility:	Not reported
Active Site Indicator:	Not reported
State District Owner:	Not reported
State District:	Not reported
Mailing Address:	21000 HOOVER RD
Mailing City,State,Zip:	WARREN, MI 48089
Owner Name:	John Vico
Owner Type:	Private
Operator Name:	John Vico
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

**ARES MANUFACTURING CORP (Continued)**

**1000385767**

Universal Waste Destination Facility:	No
Federal Universal Waste:	No
Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	NN
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:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
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:	Not reported
Manifest Broker:	Not reported
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: JOHN VICO	
Legal Status:	Private
Date Became Current:	20070615
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: JOHN VICO	
Legal Status:	Private
Date Became Current:	20070615
Date Ended Current:	Not reported
Owner/Operator Address:	Not reported
Owner/Operator City,State,Zip:	Not reported
Owner/Operator Telephone:	Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**ARES MANUFACTURING CORP (Continued)**

**1000385767**

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

Owner/Operator Indicator: Owner  
Owner/Operator Name: JOHN VICO  
Legal Status: Private  
Date Became Current: 20070615  
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: JOHN VICO  
Legal Status: Private  
Date Became Current: 20070615  
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: JOHN VICO  
Legal Status: Private  
Date Became Current: 20070615  
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: JOHN VICO  
Legal Status: Private  
Date Became Current: 20070615  
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: 19800717  
Handler Name: ARES MANUFACTURING CORP  
Federal Waste Generator Description: Not a generator, verified  
State District Owner: Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**ARES MANUFACTURING CORP (Continued)**

**1000385767**

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: 20051114  
Handler Name: ARES MANUFACTURING CORP  
Federal Waste Generator Description: 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: No  
Non Storage Recycler Activity: Not reported  
Electronic Manifest Broker: Not reported

Receive Date: 20070615  
Handler Name: ARES MANUFACTURING 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: Yes  
Non Storage Recycler Activity: Not reported  
Electronic Manifest Broker: Not reported

List of NAICS Codes and Descriptions:

NAICS Code: 42393  
NAICS Description: RECYCLABLE MATERIAL MERCHANT WHOLESALERS

Facility Has Received Notices of Violations:

Violations: No Violations Found

Evaluation Action Summary:

Evaluations: No Evaluations Found

**T69**  
**South**  
**1/8-1/4**  
**0.232 mi.**  
**1224 ft.**

**ARES MANUFACTURING CORP**  
**21000 HOOVER RD**  
**WARREN, MI 48089**  
**Site 2 of 5 in cluster T**

**MI AUL 1000526463**  
**MI AIRS N/A**  
**MI BEA**  
**MI WDS**

**Relative:**  
**Higher**  
**Actual:**  
**625 ft.**

AUL:  
Name: HOOVER BUILDING LLC  
Address: 21000 HOOVER ROAD  
City,State,Zip: WARREN, MI 48089

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**ARES MANUFACTURING CORP (Continued)**

**1000526463**

Status:	Recorded
Site Name:	Not reported
Property:	On-Site
Land Use Restriction Type:	RC
Program Type:	Part 213
Program Support Assigned User:	Nicholas Ekel
Program Support Assigned Date:	08/26/2020
Legal Description Of Property:	Not reported
Based On The Deq Ref #:	11121319169
MDEQ Reference Number:	RC-RRD-213-19-169
Property Or Description Restricted Area:	Not reported
Lead Division:	RRD
File Name Of Hyperlinked Legal Doc:	U:\KERMITE\11121319169.PDF
Mapped Polygons Area In Acres:	0.5058000000000003
Mapped Polygons Area In Square Miles:	0.0007
Date Data Entry Started:	10/12/2020
Date Data Entry Finished:	10/12/2020
Individual Or Staff Assoc With The Mapping:	Nicholas Ekel
Program Used To Map Restricted Features:	ArcGIS 10.7
Date Legal Paperwork Stamped/Filed/Register Of Deeds:	04/28/2020
Commercial I Land Use Restriction:	0
Commercial Ii Land Use Restriction:	0
Commercial Iii Land Use Restriction:	0
Commercial Iv Land Use Restriction:	0
Industrial Land Use Restriction:	0
Residential Land Use Restriction:	1
Recreational Land Use Restriction:	0
Multiple Land-Use Restrictions:	0
Site Specific Restrictions:	1
Groundwater Consumption Restrictions:	1
Groundwater Contact Restrictions:	0
Special Well Construction Requirements:	0
Special Building Restrictions:	1
Excavation And Soil Movement Restrictions:	0
Soil Movement Requirements:	0
There Is A Restriction On All Construction:	0
Monitoring Well Protected, No Tampering Or Removal:	0
There Is An Exposure Barrier In Place:	1
There Is A Health And Safety Plan:	0
There Is A Permanent Marker On The Site:	0
Comment:	20191209 - Reference number was requested by Ryan Feeny of PM Environmental Incorporated - Nick Ekel
Map Comments:	20200826 - LRUR is NOT mapped in KERMITE - Nick Ekel 20201012 - LRUR is mapped in KERMITE - Nick Ekel

**AIRS:**

Name:	SLC RECYCLING INDUSTRIES
Address:	21000 HOOVER ROAD
City,State,Zip:	WARREN, MI 48089
State Registration Number:	N3170
Naics Code:	Not reported
Contact Email:	Not reported
Contact Name:	ANSEL ABERLY
Contact Phone:	Not reported
Contact Address:	(same as site address)
Contact City,St,Zip:	Not reported
Permit Number:	923-91

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**ARES MANUFACTURING CORP (Continued)**

**1000526463**

Date Received: 08/05/1991  
Application Reason: DUST COLLECTOR B  
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: INDUSTRIAL PROPERTY  
Address: 21000 HOOVER ROAD  
City,State,Zip: WARREN, MI  
Secondary Address: Not reported  
BEA Number: 3301  
District: Southeast MI  
Date Received: 09/29/2006  
Submitter Name: AE & SM, LLC  
Petition Determination: Pending  
Petition Disclosure: 1  
Category: N  
Determination 20107A: No Request  
Reviewer: ndukwee  
Division Assigned: ERD  
Location ID: Not reported  
Submittal Type: Not reported  
Submittal Number: Not reported  
Approval Status: Not reported  
Workflow Status: Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**ARES MANUFACTURING CORP (Continued)**

**1000526463**

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: PRIME SOURCE POLYMERS  
Address: 21000 HOOVER ROAD  
City,State,Zip: WARREN, MI  
Secondary Address: Not reported  
BEA Number: 2429  
District: Southeast MI  
Date Received: 06/15/2004  
Submitter Name: Comerica Bank  
Petition Determination: Affirmed  
Petition Disclosure: 1  
Category: N  
Determination 20107A: No Request  
Reviewer: ndukwee  
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  
Contact Zip Code: Not reported  
Contact State: Not reported

Name: SLC RECYLING INDUSTRIES  
Address: 21000 HOOVER ROAD

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**ARES MANUFACTURING CORP (Continued)**

**1000526463**

City,State,Zip:	WARREN, MI
Secondary Address:	Not reported
BEA Number:	871
District:	Southeast MI
Date Received:	03/25/1999
Submitter Name:	SLC LAND, LLC
Petition Determination:	No Request
Petition Disclosure:	0
Category:	D
Determination 20107A:	No Request
Reviewer:	temppm
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
Contact Zip Code:	Not reported
Contact State:	Not reported
Name:	PRIME ACQUISITIONS, LLC
Address:	21000 HOOVER ROAD
City,State,Zip:	WARREN, MI
Secondary Address:	Not reported
BEA Number:	1179
District:	Southeast MI
Date Received:	08/02/2000
Submitter Name:	PRIME ACQUISITIONS, LLC
Petition Determination:	Affirmed
Petition Disclosure:	1
Category:	D
Determination 20107A:	Affirmed
Reviewer:	temppm
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

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**ARES MANUFACTURING CORP (Continued)**

**1000526463**

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

**WDS:**

Name: GREAT LAKES OIL RECOVERY INC  
Address: 21000 HOOVER RD  
City,State,Zip: WARREN, MI 48089  
Site Id: MIK843352725  
WMD Id: 473965  
Site Specific Name: GREAT LAKES OIL RECOVERY INC  
Mailing Address: 21000 HOOVER RD  
Mailing City/State/Zip: 48089  
Mailing County: MACOMB

Name: ARES MANUFACTURING CORP  
Address: 21000 HOOVER RD  
City,State,Zip: WARREN, MI 48089  
Site Id: MID005359195  
WMD Id: 393483  
Site Specific Name: ARES MANUFACTURING CORP  
Mailing Address: 21000 HOOVER RD  
Mailing City/State/Zip: 48089  
Mailing County: MACOMB

**T70**  
**South**  
**1/8-1/4**  
**0.232 mi.**  
**1224 ft.**

**ARES MANUFACTURING CORP**  
**21000 HOOVER RD**  
**WARREN, MI 48089**

**RCRA NonGen / NLR**  
**FINDS**  
**ECHO**

**1006808479**  
**MIK843352725**

**Site 3 of 5 in cluster T**

**Relative:**  
**Higher**  
**Actual:**  
**625 ft.**

RCRA Listings:  
Date Form Received by Agency: 20080506  
Handler Name: Great Lakes Oil Recovery Inc  
Handler Address: 21000 HOOVER RD  
Handler City,State,Zip: WARREN, MI 48089  
EPA ID: MIK843352725  
Contact Name: JOHN VICO  
Contact Address: 21000 HOOVER RD  
Contact City,State,Zip: WARREN, MI 48089  
Contact Telephone: 586-752-4579  
Contact Fax: Not reported  
Contact Email: Not reported  
Contact Title: Not reported  
EPA Region: 05  
Land Type: Private

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**ARES MANUFACTURING CORP (Continued)**

**1006808479**

Federal Waste Generator Description:	Not a generator, verified
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:	21000 HOOVER RD
Mailing City,State,Zip:	WARREN, MI 48089
Owner Name:	John Vico
Owner Type:	Private
Operator Name:	John Vico
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
Universal Waste Destination Facility:	No
Federal Universal Waste:	No
Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	NN
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:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
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:	Not reported
Manifest Broker:	Not reported
Sub-Part P Indicator:	No

Hazardous Waste Summary:

Waste Code: D001

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**ARES MANUFACTURING CORP (Continued)**

**1006808479**

Waste Description: Ignitable Waste

Handler - Owner Operator:

Owner/Operator Indicator:	Operator
Owner/Operator Name: JOHN VICO	
Legal Status:	Private
Date Became Current:	20020925
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: JOHN VICO	
Legal Status:	Private
Date Became Current:	20020925
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: JOHN VICO	
Legal Status:	Private
Date Became Current:	20020925
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: JOHN VICO	
Legal Status:	Private
Date Became Current:	20020925
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: JOHN VICO	
Legal Status:	Private
Date Became Current:	20020925
Date Ended Current:	Not reported
Owner/Operator Address:	Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**ARES MANUFACTURING CORP (Continued)**

**1006808479**

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: JOHN VICO  
Legal Status: Private  
Date Became Current: 20020925  
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: JOHN VICO  
Legal Status: Private  
Date Became Current: 20020925  
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: JOHN VICO  
Legal Status: Private  
Date Became Current: 20020925  
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: JOHN VICO  
Legal Status: Private  
Date Became Current: 20020925  
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: JOHN VICO  
Legal Status: Private

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**ARES MANUFACTURING CORP (Continued)**

**1006808479**

Date Became Current: 20020925  
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: 20080429  
Handler Name: GREAT LAKES OIL RECOVERY INC  
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: 20080506  
Handler Name: GREAT LAKES OIL RECOVERY INC  
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: Yes  
Non Storage Recycler Activity: Not reported  
Electronic Manifest Broker: Not reported

Receive Date: 20020925  
Handler Name: GREAT LAKES OIL RECOVERY INC  
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: 20051129  
Handler Name: GREAT LAKES OIL RECOVERY INC  
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

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**ARES MANUFACTURING CORP (Continued)**

**1006808479**

Spent Lead Acid Battery Exporter: No  
Current Record: No  
Non Storage Recycler Activity: Not reported  
Electronic Manifest Broker: Not reported

Receive Date: 20060811  
Handler Name: GREAT LAKES OIL RECOVERY INC  
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

List of NAICS Codes and Descriptions:

NAICS Code: 562112  
NAICS Description: HAZARDOUS WASTE COLLECTION

NAICS Code: 562119  
NAICS Description: OTHER WASTE COLLECTION

Has the Facility Received Notices of Violations:

Found Violation: Yes  
Agency Which Determined Violation: State  
Violation Short Description: State Statute or Regulation  
Date Violation was Determined: 20030204  
Actual Return to Compliance Date: 20030514  
Return to Compliance Qualifier: Documented  
Violation Responsible Agency: State  
Scheduled Compliance Date: 20030415  
Enforcement Identifier: 001  
Date of Enforcement Action: 20030206  
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: INFORMAL ACTIONS  
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

Map ID  
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**ARES MANUFACTURING CORP (Continued)**

**1006808479**

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:	State Statute or Regulation
Date Violation was Determined:	20030204
Actual Return to Compliance Date:	20030514
Return to Compliance Qualifier:	Documented
Violation Responsible Agency:	State
Scheduled Compliance Date:	20030415
Enforcement Identifier:	001
Date of Enforcement Action:	20030206
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:	INFORMAL ACTIONS
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:	State Statute or Regulation
Date Violation was Determined:	20021212
Actual Return to Compliance Date:	20030514
Return to Compliance Qualifier:	Documented
Violation Responsible Agency:	State
Scheduled Compliance Date:	20030215
Enforcement Identifier:	001
Date of Enforcement Action:	20021218
Enforcement Responsible Agency:	State

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**ARES MANUFACTURING CORP (Continued)**

**1006808479**

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:	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:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	State Statute or Regulation
Date Violation was Determined:	20030204
Actual Return to Compliance Date:	20030514
Return to Compliance Qualifier:	Documented
Violation Responsible Agency:	State
Scheduled Compliance Date:	20030514
Enforcement Identifier:	001
Date of Enforcement Action:	20030514
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:	STATE CONSENT/COMPLIANCE ORDER 3008(A)
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

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**ARES MANUFACTURING CORP (Continued)**

**1006808479**

SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	3000
Paid Amount:	3000
Final Count:	1
Final Amount:	3000
Found Violation:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	State Statute or Regulation
Date Violation was Determined:	20021212
Actual Return to Compliance Date:	20030514
Return to Compliance Qualifier:	Documented
Violation Responsible Agency:	State
Scheduled Compliance Date:	20030215
Enforcement Identifier:	001
Date of Enforcement Action:	20021218
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:	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:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	State Statute or Regulation
Date Violation was Determined:	20030204
Actual Return to Compliance Date:	20030514
Return to Compliance Qualifier:	Documented
Violation Responsible Agency:	State
Scheduled Compliance Date:	20030415
Enforcement Identifier:	001
Date of Enforcement Action:	20030206
Enforcement Responsible Agency:	State

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**ARES MANUFACTURING CORP (Continued)**

**1006808479**

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:	INFORMAL ACTIONS
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:	State Statute or Regulation
Date Violation was Determined:	20030204
Actual Return to Compliance Date:	20030514
Return to Compliance Qualifier:	Documented
Violation Responsible Agency:	State
Scheduled Compliance Date:	20030514
Enforcement Identifier:	001
Date of Enforcement Action:	20030514
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:	STATE CONSENT/COMPLIANCE ORDER 3008(A)
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

Map ID  
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**ARES MANUFACTURING CORP (Continued)**

**1006808479**

SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	3000
Paid Amount:	3000
Final Count:	1
Final Amount:	3000
Found Violation:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	State Statute or Regulation
Date Violation was Determined:	20030204
Actual Return to Compliance Date:	20030514
Return to Compliance Qualifier:	Documented
Violation Responsible Agency:	State
Scheduled Compliance Date:	20030225
Enforcement Identifier:	001
Date of Enforcement Action:	20030212
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:	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:	Used Oil - Generators
Date Violation was Determined:	20030204
Actual Return to Compliance Date:	20030514
Return to Compliance Qualifier:	Documented
Violation Responsible Agency:	State
Scheduled Compliance Date:	20030415
Enforcement Identifier:	001
Date of Enforcement Action:	20030206
Enforcement Responsible Agency:	State

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**ARES MANUFACTURING CORP (Continued)**

**1006808479**

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:	INFORMAL ACTIONS
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:	Used Oil - Generators
Date Violation was Determined:	20030204
Actual Return to Compliance Date:	20030514
Return to Compliance Qualifier:	Documented
Violation Responsible Agency:	State
Scheduled Compliance Date:	20030225
Enforcement Identifier:	001
Date of Enforcement Action:	20030212
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:	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

Map ID  
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**ARES MANUFACTURING CORP (Continued)**

**1006808479**

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:	State Statute or Regulation
Date Violation was Determined:	20021212
Actual Return to Compliance Date:	20030514
Return to Compliance Qualifier:	Documented
Violation Responsible Agency:	State
Scheduled Compliance Date:	20030514
Enforcement Identifier:	001
Date of Enforcement Action:	20030514
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:	STATE CONSENT/COMPLIANCE ORDER 3008(A)
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:	3000
Paid Amount:	3000
Final Count:	1
Final Amount:	3000
Found Violation:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	State Statute or Regulation
Date Violation was Determined:	20030204
Actual Return to Compliance Date:	20030514
Return to Compliance Qualifier:	Documented
Violation Responsible Agency:	State
Scheduled Compliance Date:	20030415
Enforcement Identifier:	001
Date of Enforcement Action:	20030206
Enforcement Responsible Agency:	State

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**ARES MANUFACTURING CORP (Continued)**

**1006808479**

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:	INFORMAL ACTIONS
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:	State Statute or Regulation
Date Violation was Determined:	20021212
Actual Return to Compliance Date:	20030514
Return to Compliance Qualifier:	Documented
Violation Responsible Agency:	State
Scheduled Compliance Date:	20030225
Enforcement Identifier:	001
Date of Enforcement Action:	20030212
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:	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

Map ID  
Direction  
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**ARES MANUFACTURING CORP (Continued)**

**1006808479**

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:	State Statute or Regulation
Date Violation was Determined:	20030204
Actual Return to Compliance Date:	20030514
Return to Compliance Qualifier:	Documented
Violation Responsible Agency:	State
Scheduled Compliance Date:	20030225
Enforcement Identifier:	001
Date of Enforcement Action:	20030212
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:	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:	State Statute or Regulation
Date Violation was Determined:	20021212
Actual Return to Compliance Date:	20030514
Return to Compliance Qualifier:	Documented
Violation Responsible Agency:	State
Scheduled Compliance Date:	20030415
Enforcement Identifier:	001
Date of Enforcement Action:	20030206
Enforcement Responsible Agency:	State

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**ARES MANUFACTURING CORP (Continued)**

**1006808479**

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:	INFORMAL ACTIONS
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:	Used Oil - Generators
Date Violation was Determined:	20030204
Actual Return to Compliance Date:	20030514
Return to Compliance Qualifier:	Documented
Violation Responsible Agency:	State
Scheduled Compliance Date:	20030415
Enforcement Identifier:	001
Date of Enforcement Action:	20030206
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:	INFORMAL ACTIONS
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

Map ID  
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**ARES MANUFACTURING CORP (Continued)**

**1006808479**

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:	State Statute or Regulation
Date Violation was Determined:	20021212
Actual Return to Compliance Date:	20030514
Return to Compliance Qualifier:	Documented
Violation Responsible Agency:	State
Scheduled Compliance Date:	20030514
Enforcement Identifier:	001
Date of Enforcement Action:	20030514
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:	STATE CONSENT/COMPLIANCE ORDER 3008(A)
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:	3000
Paid Amount:	3000
Final Count:	1
Final Amount:	3000
Found Violation:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	Used Oil - Generators
Date Violation was Determined:	20030204
Actual Return to Compliance Date:	20030514
Return to Compliance Qualifier:	Documented
Violation Responsible Agency:	State
Scheduled Compliance Date:	20030225
Enforcement Identifier:	001
Date of Enforcement Action:	20030212
Enforcement Responsible Agency:	State

Map ID  
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**ARES MANUFACTURING CORP (Continued)**

**1006808479**

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:	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:	Used Oil - Generators
Date Violation was Determined:	20030204
Actual Return to Compliance Date:	20030514
Return to Compliance Qualifier:	Documented
Violation Responsible Agency:	State
Scheduled Compliance Date:	20030225
Enforcement Identifier:	001
Date of Enforcement Action:	20030212
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:	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

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**ARES MANUFACTURING CORP (Continued)**

**1006808479**

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:	State Statute or Regulation
Date Violation was Determined:	20030204
Actual Return to Compliance Date:	20030514
Return to Compliance Qualifier:	Documented
Violation Responsible Agency:	State
Scheduled Compliance Date:	20030225
Enforcement Identifier:	001
Date of Enforcement Action:	20030212
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:	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:	State Statute or Regulation
Date Violation was Determined:	20021212
Actual Return to Compliance Date:	20030514
Return to Compliance Qualifier:	Documented
Violation Responsible Agency:	State
Scheduled Compliance Date:	20030415
Enforcement Identifier:	001
Date of Enforcement Action:	20030206
Enforcement Responsible Agency:	State

Map ID  
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Database(s)

EDR ID Number  
EPA ID Number

**ARES MANUFACTURING CORP (Continued)**

**1006808479**

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:	INFORMAL ACTIONS
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:	State Statute or Regulation
Date Violation was Determined:	20030204
Actual Return to Compliance Date:	20030514
Return to Compliance Qualifier:	Documented
Violation Responsible Agency:	State
Scheduled Compliance Date:	20030415
Enforcement Identifier:	001
Date of Enforcement Action:	20030206
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:	INFORMAL ACTIONS
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

Map ID  
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MAP FINDINGS

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Database(s)

EDR ID Number  
EPA ID Number

**ARES MANUFACTURING CORP (Continued)**

**1006808479**

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:	State Statute or Regulation
Date Violation was Determined:	20030204
Actual Return to Compliance Date:	20030514
Return to Compliance Qualifier:	Documented
Violation Responsible Agency:	State
Scheduled Compliance Date:	20030225
Enforcement Identifier:	001
Date of Enforcement Action:	20030212
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:	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:	Used Oil - Generators
Date Violation was Determined:	20030204
Actual Return to Compliance Date:	20030514
Return to Compliance Qualifier:	Documented
Violation Responsible Agency:	State
Scheduled Compliance Date:	20030514
Enforcement Identifier:	001
Date of Enforcement Action:	20030514
Enforcement Responsible Agency:	State

Map ID  
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Database(s)

EDR ID Number  
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**ARES MANUFACTURING CORP (Continued)**

**1006808479**

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:	STATE CONSENT/COMPLIANCE ORDER 3008(A)
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:	3000
Paid Amount:	3000
Final Count:	1
Final Amount:	3000
Found Violation:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	State Statute or Regulation
Date Violation was Determined:	20021212
Actual Return to Compliance Date:	20030514
Return to Compliance Qualifier:	Documented
Violation Responsible Agency:	State
Scheduled Compliance Date:	20030225
Enforcement Identifier:	001
Date of Enforcement Action:	20030212
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:	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

Map ID  
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Database(s)

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EPA ID Number

**ARES MANUFACTURING CORP (Continued)**

**1006808479**

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:	State Statute or Regulation
Date Violation was Determined:	20030204
Actual Return to Compliance Date:	20030514
Return to Compliance Qualifier:	Documented
Violation Responsible Agency:	State
Scheduled Compliance Date:	20030514
Enforcement Identifier:	001
Date of Enforcement Action:	20030514
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:	STATE CONSENT/COMPLIANCE ORDER 3008(A)
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:	3000
Paid Amount:	3000
Final Count:	1
Final Amount:	3000
Found Violation:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	State Statute or Regulation
Date Violation was Determined:	20021212
Actual Return to Compliance Date:	20030514
Return to Compliance Qualifier:	Documented
Violation Responsible Agency:	State
Scheduled Compliance Date:	20030225
Enforcement Identifier:	001
Date of Enforcement Action:	20030212
Enforcement Responsible Agency:	State

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Database(s)

EDR ID Number  
EPA ID Number

**ARES MANUFACTURING CORP (Continued)**

**1006808479**

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:	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:	State Statute or Regulation
Date Violation was Determined:	20021212
Actual Return to Compliance Date:	20030514
Return to Compliance Qualifier:	Documented
Violation Responsible Agency:	State
Scheduled Compliance Date:	20030514
Enforcement Identifier:	001
Date of Enforcement Action:	20030514
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:	STATE CONSENT/COMPLIANCE ORDER 3008(A)
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

Map ID  
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MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**ARES MANUFACTURING CORP (Continued)**

**1006808479**

SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	3000
Paid Amount:	3000
Final Count:	1
Final Amount:	3000
Found Violation:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	Used Oil - Generators
Date Violation was Determined:	20030204
Actual Return to Compliance Date:	20030514
Return to Compliance Qualifier:	Documented
Violation Responsible Agency:	State
Scheduled Compliance Date:	20030514
Enforcement Identifier:	001
Date of Enforcement Action:	20030514
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:	STATE CONSENT/COMPLIANCE ORDER 3008(A)
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:	3000
Paid Amount:	3000
Final Count:	1
Final Amount:	3000
Found Violation:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	State Statute or Regulation
Date Violation was Determined:	20030204
Actual Return to Compliance Date:	20030514
Return to Compliance Qualifier:	Documented
Violation Responsible Agency:	State
Scheduled Compliance Date:	20030514
Enforcement Identifier:	001
Date of Enforcement Action:	20030514
Enforcement Responsible Agency:	State

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Database(s)

EDR ID Number  
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**ARES MANUFACTURING CORP (Continued)**

**1006808479**

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:	STATE CONSENT/COMPLIANCE ORDER 3008(A)
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:	3000
Paid Amount:	3000
Final Count:	1
Final Amount:	3000
Found Violation:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	State Statute or Regulation
Date Violation was Determined:	20030204
Actual Return to Compliance Date:	20030514
Return to Compliance Qualifier:	Documented
Violation Responsible Agency:	State
Scheduled Compliance Date:	20030225
Enforcement Identifier:	001
Date of Enforcement Action:	20030212
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:	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

Map ID  
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Database(s)

EDR ID Number  
EPA ID Number

**ARES MANUFACTURING CORP (Continued)**

**1006808479**

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:	Used Oil - Generators
Date Violation was Determined:	20030204
Actual Return to Compliance Date:	20030514
Return to Compliance Qualifier:	Documented
Violation Responsible Agency:	State
Scheduled Compliance Date:	20030514
Enforcement Identifier:	001
Date of Enforcement Action:	20030514
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:	STATE CONSENT/COMPLIANCE ORDER 3008(A)
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:	3000
Paid Amount:	3000
Final Count:	1
Final Amount:	3000
Found Violation:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	State Statute or Regulation
Date Violation was Determined:	20030204
Actual Return to Compliance Date:	20030514
Return to Compliance Qualifier:	Documented
Violation Responsible Agency:	State
Scheduled Compliance Date:	20030415
Enforcement Identifier:	001
Date of Enforcement Action:	20030206
Enforcement Responsible Agency:	State

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Database(s)

EDR ID Number  
EPA ID Number

**ARES MANUFACTURING CORP (Continued)**

**1006808479**

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:	INFORMAL ACTIONS
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:	State Statute or Regulation
Date Violation was Determined:	20030204
Actual Return to Compliance Date:	20030514
Return to Compliance Qualifier:	Documented
Violation Responsible Agency:	State
Scheduled Compliance Date:	20030514
Enforcement Identifier:	001
Date of Enforcement Action:	20030514
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:	STATE CONSENT/COMPLIANCE ORDER 3008(A)
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

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Database(s)

EDR ID Number  
EPA ID Number

**ARES MANUFACTURING CORP (Continued)**

**1006808479**

SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	3000
Paid Amount:	3000
Final Count:	1
Final Amount:	3000
Found Violation:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	State Statute or Regulation
Date Violation was Determined:	20021212
Actual Return to Compliance Date:	20030514
Return to Compliance Qualifier:	Documented
Violation Responsible Agency:	State
Scheduled Compliance Date:	20030415
Enforcement Identifier:	001
Date of Enforcement Action:	20030206
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:	INFORMAL ACTIONS
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:	Used Oil - Generators
Date Violation was Determined:	20030204
Actual Return to Compliance Date:	20030514
Return to Compliance Qualifier:	Documented
Violation Responsible Agency:	State
Scheduled Compliance Date:	20030415
Enforcement Identifier:	001
Date of Enforcement Action:	20030206
Enforcement Responsible Agency:	State

Map ID  
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**ARES MANUFACTURING CORP (Continued)**

**1006808479**

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:	INFORMAL ACTIONS
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:	State Statute or Regulation
Date Violation was Determined:	20021212
Actual Return to Compliance Date:	20030514
Return to Compliance Qualifier:	Documented
Violation Responsible Agency:	State
Scheduled Compliance Date:	20030215
Enforcement Identifier:	001
Date of Enforcement Action:	20021218
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:	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

Map ID  
Direction  
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**ARES MANUFACTURING CORP (Continued)**

**1006808479**

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:	State Statute or Regulation
Date Violation was Determined:	20030204
Actual Return to Compliance Date:	20030514
Return to Compliance Qualifier:	Documented
Violation Responsible Agency:	State
Scheduled Compliance Date:	20030514
Enforcement Identifier:	001
Date of Enforcement Action:	20030514
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:	STATE CONSENT/COMPLIANCE ORDER 3008(A)
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:	3000
Paid Amount:	3000
Final Count:	1
Final Amount:	3000
Found Violation:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	State Statute or Regulation
Date Violation was Determined:	20081112
Actual Return to Compliance Date:	20090210
Return to Compliance Qualifier:	Documented
Violation Responsible Agency:	State
Scheduled Compliance Date:	20091211
Enforcement Identifier:	001
Date of Enforcement Action:	20081126
Enforcement Responsible Agency:	State

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**ARES MANUFACTURING CORP (Continued)**

**1006808479**

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:	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:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	State Statute or Regulation
Date Violation was Determined:	20030204
Actual Return to Compliance Date:	20030514
Return to Compliance Qualifier:	Documented
Violation Responsible Agency:	State
Scheduled Compliance Date:	20030225
Enforcement Identifier:	001
Date of Enforcement Action:	20030212
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:	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

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**ARES MANUFACTURING CORP (Continued)**

**1006808479**

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:	20030206
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:	20030514
Scheduled Compliance Date:	20030415
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported

Evaluation Date:	20030514
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	NOT A SIGNIFICANT NON-COMPLIER
Evaluation Responsible Person Identifier:	Not reported
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	20030514
Scheduled Compliance Date:	20030415
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported

Evaluation Date:	20030206
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:	20030514
Scheduled Compliance Date:	20030215
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported

Evaluation Date:	20030204
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:	20030514
Scheduled Compliance Date:	20030514
Date of Request:	Not reported

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**ARES MANUFACTURING CORP (Continued)**

**1006808479**

Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	20021212
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:	20030514
Scheduled Compliance Date:	20030215
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	20030204
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:	20030514
Scheduled Compliance Date:	20030415
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	20030514
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	NOT A SIGNIFICANT NON-COMPLIER
Evaluation Responsible Person Identifier:	Not reported
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	20030514
Scheduled Compliance Date:	20030514
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	20030204
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:	20030514
Scheduled Compliance Date:	20030225
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	20030204

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**ARES MANUFACTURING CORP (Continued)**

**1006808479**

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:	20030514
Scheduled Compliance Date:	20030415
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	20030514
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	NOT A SIGNIFICANT NON-COMPLIER
Evaluation Responsible Person Identifier:	Not reported
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	20030514
Scheduled Compliance Date:	20030225
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	20030514
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	NOT A SIGNIFICANT NON-COMPLIER
Evaluation Responsible Person Identifier:	Not reported
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	20030514
Scheduled Compliance Date:	20030514
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	20030206
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:	20030514
Scheduled Compliance Date:	20030415
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	20030514
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	NOT A SIGNIFICANT NON-COMPLIER
Evaluation Responsible Person Identifier:	Not reported
Evaluation Responsible Sub-Organization:	Not reported

Map ID  
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**ARES MANUFACTURING CORP (Continued)**

**1006808479**

Actual Return to Compliance Date:	20030514
Scheduled Compliance Date:	20030225
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	20030514
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	NOT A SIGNIFICANT NON-COMPLIER
Evaluation Responsible Person Identifier:	Not reported
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	20030514
Scheduled Compliance Date:	20030225
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	20021212
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:	20030514
Scheduled Compliance Date:	20030415
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	20030206
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:	20030514
Scheduled Compliance Date:	20030415
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	20030206
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:	20030514
Scheduled Compliance Date:	20030514
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported

Map ID  
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**ARES MANUFACTURING CORP (Continued)**

**1006808479**

Former Citation:	Not reported
Evaluation Date:	20030206
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:	20030514
Scheduled Compliance Date:	20030225
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	20030204
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:	20030514
Scheduled Compliance Date:	20030225
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	20030206
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:	20030514
Scheduled Compliance Date:	20030225
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	20030514
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	NOT A SIGNIFICANT NON-COMPLIER
Evaluation Responsible Person Identifier:	Not reported
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	20030514
Scheduled Compliance Date:	20030415
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	20030514
Evaluation Responsible Agency:	State
Found Violation:	Yes

Map ID  
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EDR ID Number  
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**ARES MANUFACTURING CORP (Continued)**

**1006808479**

Evaluation Type Description:	NOT A SIGNIFICANT NON-COMPLIER
Evaluation Responsible Person Identifier:	Not reported
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	20030514
Scheduled Compliance Date:	20030415
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	20030204
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:	20030514
Scheduled Compliance Date:	20030225
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	20030514
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	NOT A SIGNIFICANT NON-COMPLIER
Evaluation Responsible Person Identifier:	Not reported
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	20030514
Scheduled Compliance Date:	20030514
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	20030206
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:	20030514
Scheduled Compliance Date:	20030225
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	20030206
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:	20030514
Scheduled Compliance Date:	20030514

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**ARES MANUFACTURING CORP (Continued)**

**1006808479**

Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	20021212
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:	20030514
Scheduled Compliance Date:	20030225
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	20021212
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:	20030514
Scheduled Compliance Date:	20030514
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	20030206
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:	20030514
Scheduled Compliance Date:	20030514
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	20030514
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	NOT A SIGNIFICANT NON-COMPLIER
Evaluation Responsible Person Identifier:	Not reported
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	20030514
Scheduled Compliance Date:	20030514
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported

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**ARES MANUFACTURING CORP (Continued)**

**1006808479**

Evaluation Date:	20030206
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:	20030514
Scheduled Compliance Date:	20030225
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	20030204
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:	20030514
Scheduled Compliance Date:	20030514
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	20030204
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:	20030514
Scheduled Compliance Date:	20030415
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	20030204
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:	20030514
Scheduled Compliance Date:	20030514
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	20030206
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	SIGNIFICANT NON-COMPLIER
Evaluation Responsible Person Identifier:	Not reported

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**ARES MANUFACTURING CORP (Continued)**

**1006808479**

Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	20030514
Scheduled Compliance Date:	20030415
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	20030514
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	NOT A SIGNIFICANT NON-COMPLIER
Evaluation Responsible Person Identifier:	Not reported
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	20030514
Scheduled Compliance Date:	20030415
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	20030514
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	NOT A SIGNIFICANT NON-COMPLIER
Evaluation Responsible Person Identifier:	Not reported
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	20030514
Scheduled Compliance Date:	20030215
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	20030206
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:	20030514
Scheduled Compliance Date:	20030514
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	20081112
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:	20090210
Scheduled Compliance Date:	20091211
Date of Request:	Not reported
Date Response Received:	Not reported

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**ARES MANUFACTURING CORP (Continued)**

**1006808479**

Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	20030514
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	NOT A SIGNIFICANT NON-COMPLIER
Evaluation Responsible Person Identifier:	Not reported
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	20030514
Scheduled Compliance Date:	20030225
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported

**FINDS:**

Registry ID: 110003580759

[Click Here for FRS Facility Detail Report:](#)

**Environmental Interest/Information System:**

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

Registry ID: 110014351511

[Click Here for FRS Facility Detail Report:](#)

**Environmental Interest/Information System:**

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

[Click this hyperlink](#) while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

**ECHO:**

Envid:	1006808479
Registry ID:	110014351511
DFR URL:	<a href="http://echo.epa.gov/detailed-facility-report?fid=110014351511">http://echo.epa.gov/detailed-facility-report?fid=110014351511</a>
Name:	GREAT LAKES OIL RECOVERY INC
Address:	21000 HOOVER RD
City,State,Zip:	WARREN, MI 48089

Envid:	1006808479
Registry ID:	110003580759
DFR URL:	<a href="http://echo.epa.gov/detailed-facility-report?fid=110003580759">http://echo.epa.gov/detailed-facility-report?fid=110003580759</a>
Name:	ARES MANUFACTURING CORP
Address:	21000 HOOVER RD
City,State,Zip:	WARREN, MI 48089

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

EDR ID Number  
EPA ID Number

**T71**  
**South**  
**1/8-1/4**  
**0.232 mi.**  
**1224 ft.**  
**AUREUS HOLDINGS LTD**  
**21000 HOOVER RD**  
**WARREN, MI 48089**  
**Site 4 of 5 in cluster T**

**MI LUST**  
**MI UST**  
**MI INVENTORY**  
**MI VCP**  
**U004246340**  
**N/A**

**Relative:**  
**Higher**

**Actual:**  
**625 ft.**

**LUST:**

Name: AUREUS HOLDINGS LTD  
Address: 21000 HOOVER RD  
City,State,Zip: WARREN, MI 48089  
Facility ID: 41970  
Source: 24000  
Owner Name: ADDRESS UNKNOWN, OWNER  
Owner Address: Not reported  
Owner City,St,Zip: Not reported  
Owner Contact: Not reported  
Owner Phone: Not reported  
Country: Not reported  
District: Warren  
Site Name: Slc Recycling Industries (former)  
Latitude: 42.45384  
Longitude: -83.00276  
Date of Collection: Not reported  
Method of Collection: The geographic coordinate determination method based on interpolation-photo.  
Accuracy: 20  
Accuracy Value Unit: Not reported  
Horizontal Data: North American Datum of 1983  
Point Line Area: Center of a facility or station  
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: 19697  
Release Date: 09/22/1992  
Substance Released: Not reported  
Release Status: Closed  
Release Closed Date: 03/24/1994  
  
Leak Number: 31206  
Release Date: 06/30/2017  
Substance Released: Other  
Release Status: Closed  
Release Closed Date: 10/13/2020  
  
Leak Number: 31206  
Release Date: 06/30/2017  
Substance Released: Other  
Release Status: Closed  
Release Closed Date: 10/13/2020  
  
Leak Number: C-0151-17  
Release Date: 06/30/2017  
Substance Released: Other,Other  
Release Status: Open

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**AUREUS HOLDINGS LTD (Continued)**

**U004246340**

Release Closed Date: Not reported

Leak Number: C-1648-92  
Release Date: 09/22/1992  
Substance Released: Gasoline,Diesel  
Release Status: Closed  
Release Closed Date: 03/24/1994

**UST:**

Name: AUREUS HOLDINGS LTD  
Address: 21000 HOOVER RD  
City,State,Zip: WARREN 48089-3153  
Facility Type: CLOSED  
Facility ID: 00041970  
Owner Name: Not reported  
Owner Address: 11450 STEPHENS RD.  
Owner City: WARREN  
Owner State: MI  
Owner Zip: 48089  
Owner Contact: Not reported  
Owner Phone: 2489350100  
Contact: Not reported  
Contact Phone: Not reported  
Date of Collection: Not reported  
Accuracy: Not reported  
Horizontal Datum: Not reported  
Accuracy Value Unit: Not reported  
Source: Not reported  
Point Line Area: Not reported  
Desc Category: Not reported  
Method of Collection: Not reported  
District: Not reported  
Tank ID: 2A  
Capacity: 10000  
Tank Status: Removed from Ground  
Substance: Gasoline  
Install Date: 02/13/1983  
Remove Date: 10/01/1992  
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: Not reported  
Longitude: Not reported

Name: AUREUS HOLDINGS LTD  
Address: 21000 HOOVER RD  
City,State,Zip: WARREN 48089-3153  
Facility Type: CLOSED  
Facility ID: 00041970  
Owner Name: Not reported  
Owner Address: 11450 STEPHENS RD.  
Owner City: WARREN  
Owner State: MI

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**AUREUS HOLDINGS LTD (Continued)**

**U004246340**

Owner Zip: 48089  
Owner Contact: Not reported  
Owner Phone: 2489350100  
Contact: John W Polderman  
Contact Phone: (248) 720-0290  
Date of Collection: 08/08/2007  
Accuracy: 40  
Horizontal Datum: NAD83  
Accuracy Value Unit: FEET  
Source: STATE OF MICHIGAN  
Point Line Area: POINT  
Desc Category: Not reported  
Method of Collection: Interpolation-Map  
District: Region 1 - SE Michigan District Office  
Tank ID: 2  
Capacity: 10000  
Tank Status: Removed from Ground  
Substance: Other(Cutting Oil & Water)  
Install Date: 08/06/2007  
Remove Date: 06/30/2017  
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: 42.45134  
Longitude: -83.00499

Name: AUREUS HOLDINGS LTD  
Address: 21000 HOOVER RD  
City,State,Zip: WARREN 48089-3153  
Facility Type: CLOSED  
Facility ID: 00041970  
Owner Name: Not reported  
Owner Address: 11450 STEPHENS RD.  
Owner City: WARREN  
Owner State: MI  
Owner Zip: 48089  
Owner Contact: Not reported  
Owner Phone: 2489350100  
Contact: Not reported  
Contact Phone: Not reported  
Date of Collection: Not reported  
Accuracy: Not reported  
Horizontal Datum: Not reported  
Accuracy Value Unit: Not reported  
Source: Not reported  
Point Line Area: Not reported  
Desc Category: Not reported  
Method of Collection: Not reported  
District: Not reported  
Tank ID: 1A  
Capacity: 10000  
Tank Status: Removed from Ground

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**AUREUS HOLDINGS LTD (Continued)**

**U004246340**

Substance: Diesel  
Install Date: 02/13/1983  
Remove Date: 10/01/1992  
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: Not reported  
Longitude: Not reported

Name: AUREUS HOLDINGS LTD  
Address: 21000 HOOVER RD  
City,State,Zip: WARREN 48089-3153  
Facility Type: CLOSED  
Facility ID: 00041970  
Owner Name: Not reported  
Owner Address: 11450 STEPHENS RD.  
Owner City: WARREN  
Owner State: MI  
Owner Zip: 48089  
Owner Contact: Not reported  
Owner Phone: 2489350100  
Contact: John W Polderman  
Contact Phone: (248) 720-0290  
Date of Collection: 08/08/2007  
Accuracy: 40  
Horizontal Datum: NAD83  
Accuracy Value Unit: FEET  
Source: STATE OF MICHIGAN  
Point Line Area: POINT  
Desc Category: Not reported  
Method of Collection: Interpolation-Map  
District: Region 1 - SE Michigan District Office  
Tank ID: 1  
Capacity: 10000  
Tank Status: Removed from Ground  
Substance: Other()  
Install Date: 01/31/2007  
Remove Date: 06/30/2017  
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: 42.45134  
Longitude: -83.00499

**INVENTORY:**

Name: 21000 HOOVER ROAD  
Address: 21000 HOOVER RD

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**AUREUS HOLDINGS LTD (Continued)**

**U004246340**

City,State,Zip: WARREN, MI 48089  
Township: Not reported  
District: Warren  
Data Source: Risks Not Determined  
Lust Name: Not reported  
Regulatory Program: 201  
Release Status: Not reported  
Project Manager: Wojciechowski, Kevin  
Latitude: 42.45327811  
Longitude: -83.00315551

**VCP:**

Location ID: 50000982  
Name: 21000 HOOVER ROAD  
Address: 21000 HOOVER RD  
City,State,Zip: WARREN, MI 48089  
Location Type: Part 201 site  
Township: Not reported  
Work Unit: Warren  
Project Manager: Wojciechowski, Kevin  
Risk Condition: Risks Not Determined  
Latitude: 42.45327811  
Longitude: -83.00315551

**T72**  
**South**  
**1/8-1/4**  
**0.232 mi.**  
**1224 ft.**

**AUREUS HOLDINGS LTD**  
**21000 HOOVER RD**  
**WARREN, MI 48089**  
**Site 5 of 5 in cluster T**

**MI INVENTORY**  
**MI BEA**

**S120852069**  
**N/A**

**Relative:**  
**Higher**

**Actual:**  
**625 ft.**

**INVENTORY:**  
Name: AUREUS HOLDINGS LTD  
Address: 21000 HOOVER RD  
City,State,Zip: WARREN, MI 48089  
Township: Not reported  
District: Warren  
Data Source: Risk Controlled  
Lust Name: Slc Recycling Industries (former)  
Regulatory Program: 213  
Release Status: CLosed  
Project Manager: Adolphues, Ira  
Latitude: 42.4538435  
Longitude: -83.00276759

**BEA:**

Name: AUREUS HOLDINGS LTD  
Address: 21000 HOOVER RD  
City,State,Zip: WARREN, MI 48089  
Secondary Address: Not reported  
BEA Number: Not reported  
District: Not reported  
Date Received: 06/15/2004  
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

**AUREUS HOLDINGS LTD (Continued)**

**S120852069**

Reviewer: Not reported  
Division Assigned: Not reported  
Location ID: 00041970  
Submittal Type: Baseline Environmental Assessment  
Submittal Number: P200402429LV  
Approval Status: RRD Received  
Workflow Status: Submitted  
Date Submitted: 2004-06-15 14:03:29  
Date Completed: Not reported  
Township: Not reported  
Work Unit: Warren  
Comments: Notice Regarding Discarded or Abandoned Containers included with BEA  
Organization: Comerica Bank  
Contact: Clayton Group Services  
Contact Type: Submitter Contact  
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: AUREUS HOLDINGS LTD  
Address: 21000 HOOVER RD  
City,State,Zip: WARREN, MI 48089  
Secondary Address: Not reported  
BEA Number: Not reported  
District: Not reported  
Date Received: 08/02/2000  
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: 00041970  
Submittal Type: Baseline Environmental Assessment  
Submittal Number: P200001179LV  
Approval Status: RRD Received  
Workflow Status: Submitted  
Date Submitted: 2004-01-31 07:29:04  
Date Completed: Not reported  
Township: Not reported  
Work Unit: Warren  
Comments: Records Manager: Box 5 RC# 895159 Sent to Lansing for Scanning on December 2, 2015  
Organization: PRIME ACQUISITIONS, LLC  
Contact: Mr. J. A. Kempf  
Contact Type: Submitter Contact  
Organization Street Address: Not reported  
Organization City: Not reported  
Organization State: Not reported  
Organization Zip Code: Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**AUREUS HOLDINGS LTD (Continued)**

**S120852069**

Organization County:	Not reported
Contact Street Address:	Not reported
Contact City:	Not reported
Contact Zip Code:	Not reported
Contact State:	Not reported
Name:	AUREUS HOLDINGS LTD
Address:	21000 HOOVER RD
City,State,Zip:	WARREN, MI 48089
Secondary Address:	Not reported
BEA Number:	Not reported
District:	Not reported
Date Received:	03/25/1999
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:	00041970
Submittal Type:	Baseline Environmental Assessment
Submittal Number:	B199900871LV
Approval Status:	RRD Received
Workflow Status:	Submitted
Date Submitted:	2004-01-31 07:29:04
Date Completed:	Not reported
Township:	Not reported
Work Unit:	Warren
Comments:	Not reported
Organization:	SLC LAND, LLC
Contact:	MR. MIKE BEAUDOIN
Contact Type:	Submitter Contact
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:	AUREUS HOLDINGS LTD
Address:	21000 HOOVER RD
City,State,Zip:	WARREN, MI 48089
Secondary Address:	Not reported
BEA Number:	Not reported
District:	Not reported
Date Received:	09/29/2006
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

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**AUREUS HOLDINGS LTD (Continued)**

**S120852069**

Location ID: 00041970  
Submittal Type: Baseline Environmental Assessment  
Submittal Number: P200603301LV  
Approval Status: RRD Received  
Workflow Status: Submitted  
Date Submitted: 2006-09-29 14:53:04  
Date Completed: Not reported  
Township: Not reported  
Work Unit: Warren  
Comments: Records Manager: Box 169 To Lansing for scanning on 4/8/16 Original BEA received by this office on 09-29-06 but the Petition form listed two entities as Petitioners. I contacted the consultant who brought in a new Petition form on 09-29-06 with only one entity listed as Petitioner. Check #2431 in the amount of \$750.00 received with BEA. Paula Brown BEA identified the former presence of two regulated USTs. SID indicates that a release confirmed for these tanks was closed Type B in

Organization: AE & SM, LLC  
Contact: Clayton Group Services, Inc.  
Contact Type: Submitter Contact  
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: AUREUS HOLDINGS LTD  
Address: 21000 HOOVER RD  
City,State,Zip: WARREN, MI 48089  
Secondary Address: Not reported  
BEA Number: Not reported  
District: Not reported  
Date Received: 11/09/2016  
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: 00041970  
Submittal Type: Baseline Environmental Assessment  
Submittal Number: B201607345LV  
Approval Status: RRD Received  
Workflow Status: Submitted  
Date Submitted: 2016-11-15 09:08:26  
Date Completed: Not reported  
Township: Not reported  
Work Unit: Warren  
Comments: BEA Report submitted on CD. Associated with BEA #'s 871, 1179, 2429, 3301, 6729 and Facility ID #41970.

Organization: Hoover Building LLC  
Contact: PM Environmental, Inc.

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**AUREUS HOLDINGS LTD (Continued)**

**S120852069**

Contact Type:	Submitter Contact
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:	AUREUS HOLDINGS LTD
Address:	21000 HOOVER RD
City,State,Zip:	WARREN, MI 48089
Secondary Address:	Not reported
BEA Number:	Not reported
District:	Not reported
Date Received:	11/09/2016
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:	00041970
Submittal Type:	Baseline Environmental Assessment
Submittal Number:	B201607346LV
Approval Status:	RRD Received
Workflow Status:	Submitted
Date Submitted:	2016-11-15 09:11:25
Date Completed:	Not reported
Township:	Not reported
Work Unit:	Warren
Comments:	Not reported
Organization:	TSS Inc.
Contact:	PM Environmental, Inc.
Contact Type:	Submitter Contact
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:	AUREUS HOLDINGS LTD
Address:	21000 HOOVER RD
City,State,Zip:	WARREN, MI 48089
Secondary Address:	Not reported
BEA Number:	Not reported
District:	Not reported
Date Received:	10/22/2015
Submitter Name:	Not reported
Petition Determination:	Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**AUREUS HOLDINGS LTD (Continued)**

**S120852069**

Petition Disclosure:	Not reported
Category:	Not reported
Determination 20107A:	Not reported
Reviewer:	Not reported
Division Assigned:	Not reported
Location ID:	00041970
Submittal Type:	Baseline Environmental Assessment
Submittal Number:	B201506729LV
Approval Status:	RRD Received
Workflow Status:	Submitted
Date Submitted:	2015-10-26 12:28:58
Date Completed:	Not reported
Township:	Not reported
Work Unit:	Warren
Comments:	BEA SUBMITTED ON CD Associated with: ITs: 20045000030 Previous BEAs submitted: 871, 1179, 2429, 3301
Organization:	Comerica Bank
Contact:	Ryan Feeny
Contact Type:	Submitter Contact
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

**U73**  
**North**  
**1/8-1/4**  
**0.237 mi.**  
**1250 ft.**

**MICHIGAN IRON & STEEL SUPPLY CO**  
**22522 HOOVER RD**  
**WARREN, MI 48089**  
**Site 1 of 4 in cluster U**

**MI ASBESTOS** **S107696956**  
**MI BEA** **N/A**  
**MI WDS**

**Relative:**  
**Higher**  
**Actual:**  
**625 ft.**

ASBESTOS:	
Notification ID:	144282
Name:	BUILDING
Address:	22522 HOOVER ROAD
City,State,Zip:	WARREN, MI 48089
Contractor Name:	Building Decommission Services, LLC
Project Number:	19-779
Notification Type and Date:	Regular 09/06/2019
Start Date:	09/26/2019
End Date:	10/07/2019
Linear Feet:	Not reported
Square Feet:	16679

BEA:	
Name:	SCHWARB FOUNDRY
Address:	22522 HOOVER ROAD
City,State,Zip:	WARREN, MI
Secondary Address:	Not reported
BEA Number:	2739
District:	Southeast MI
Date Received:	03/29/2005
Submitter Name:	Bayview Loan Servicing, LLC

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**MICHIGAN IRON & STEEL SUPPLY CO (Continued)**

**S107696956**

Petition Determination:	Affirmed
Petition Disclosure:	1
Category:	N
Determination 20107A:	No Request
Reviewer:	ndukwee
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
Contact Zip Code:	Not reported
Contact State:	Not reported
Name:	SCHWARB FOUNDRY
Address:	22522 HOOVER ROAD
City,State,Zip:	WARREN, MI
Secondary Address:	Not reported
BEA Number:	2519
District:	Southeast MI
Date Received:	09/14/2004
Submitter Name:	LaSalle National Bank
Petition Determination:	No Request
Petition Disclosure:	0
Category:	N
Determination 20107A:	No Request
Reviewer:	ndukwee
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

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**MICHIGAN IRON & STEEL SUPPLY CO (Continued)**

**S107696956**

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: MICHIGAN IRON & STEEL SUPPLY CO  
Address: 22522 HOOVER RD  
City,State,Zip: WARREN, MI 48089  
Site Id: MIK228678744  
WMD Id: 468984  
Site Specific Name: MISSCO  
Mailing Address: 17000 ECORSE RD  
Mailing City/State/Zip: 48101  
Mailing County: WAYNE

**U74**  
**North**  
**1/8-1/4**  
**0.237 mi.**  
**1250 ft.**

**22522 HOOVER ROAD**  
**22522 HOOVER ROAD**  
**WARREN, MI 48089**

**MI INVENTORY**  
**MI BEA**  
**MI VCP**

**S114027346**  
**N/A**

**Site 2 of 4 in cluster U**

**Relative:**  
**Higher**  
**Actual:**  
**625 ft.**

**INVENTORY:**

Name: 22522 HOOVER ROAD  
Address: 22522 HOOVER ROAD  
City,State,Zip: WARREN, MI 48089  
Township: Not reported  
District: Warren  
Data Source: Risks Not Determined  
Lust Name: Not reported  
Regulatory Program: 201  
Release Status: Not reported  
Project Manager: Ndukwe, Ernest  
Latitude: 42.46051642  
Longitude: -83.00410529

**BEA:**

Name: 22522 HOOVER ROAD  
Address: 22522 HOOVER ROAD  
City,State,Zip: WARREN, MI 48089  
Secondary Address: Not reported  
BEA Number: Not reported  
District: Not reported  
Date Received: 03/29/2005  
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: 50001120  
Submittal Type: Baseline Environmental Assessment

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**22522 HOOVER ROAD (Continued)**

**S114027346**

Submittal Number:	P200502739LV
Approval Status:	RRD Received
Workflow Status:	Submitted
Date Submitted:	2005-03-31 10:49:41
Date Completed:	Not reported
Township:	Not reported
Work Unit:	Warren
Comments:	Not reported
Organization:	Bayview Loan Servicing, LLC
Contact:	Paragon
Contact Type:	Submitter Contact
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:	22522 HOOVER ROAD
Address:	22522 HOOVER ROAD
City,State,Zip:	WARREN, MI 48089
Secondary Address:	Not reported
BEA Number:	Not reported
District:	Not reported
Date Received:	09/14/2004
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:	50001120
Submittal Type:	Baseline Environmental Assessment
Submittal Number:	B200402519LV
Approval Status:	RRD Received
Workflow Status:	Submitted
Date Submitted:	2004-09-14 13:27:17
Date Completed:	Not reported
Township:	Not reported
Work Unit:	Warren
Comments:	Not reported
Organization:	LaSalle National Bank
Contact:	Yeoman Group
Contact Type:	Submitter Contact
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

**22522 HOOVER ROAD (Continued)**

**S114027346**

VCP:

Location ID: 50001120  
Name: 22522 HOOVER ROAD  
Address: 22522 HOOVER ROAD  
City,State,Zip: WARREN, MI 48089  
Location Type: Part 201 site  
Township: Not reported  
Work Unit: Warren  
Project Manager: Ndukwe, Ernest  
Risk Condition: Risks Not Determined  
Latitude: 42.46051642  
Longitude: -83.00410529

**U75**  
**North**  
**1/8-1/4**  
**0.237 mi.**  
**1250 ft.**

**MICHIGAN IRON & STEEL SUPPLY CO**  
**22522 HOOVER RD**  
**WARREN, MI 48089**  
**Site 3 of 4 in cluster U**

**RCRA-VSQG 1010784771**  
**MIK228678744**

**Relative:**  
**Higher**

**Actual:**  
**625 ft.**

RCRA Listings:  
Date Form Received by Agency: 20080410  
Handler Name: Michigan Iron & Steel Supply Co  
Handler Address: 22522 HOOVER RD  
Handler City,State,Zip: WARREN, MI 48089  
EPA ID: MIK228678744  
Contact Name: RICKY SCRIVER  
Contact Address: 22522 HOOVER RD  
Contact City,State,Zip: WARREN, MI 48089  
Contact Telephone: 313-386-0935  
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: 17000 ECORSE RD  
Mailing City,State,Zip: ALLEN PARK, MI 48101  
Owner Name: Ricky Scriver  
Owner Type: Private  
Operator Name: Ricky Scriver  
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

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**MICHIGAN IRON & STEEL SUPPLY CO (Continued)**

**1010784771**

Universal Waste Indicator:	No
Universal Waste Destination Facility:	No
Federal Universal Waste:	No
Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	NN
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:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
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:	Not reported
Manifest Broker:	Not reported
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:	RICKY SCRIVER
Legal Status:	Private
Date Became Current:	20060102
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:	RICKY SCRIVER
Legal Status:	Private
Date Became Current:	20060102
Date Ended Current:	Not reported
Owner/Operator Address:	Not reported
Owner/Operator City,State,Zip:	Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**MICHIGAN IRON & STEEL SUPPLY CO (Continued)**

**1010784771**

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: 20080410  
Handler Name: MICHIGAN IRON & STEEL SUPPLY CO  
Federal Waste Generator Description: 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: 33121  
NAICS Description: IRON AND STEEL PIPE AND TUBE MANUFACTURING FROM PURCHASED STEEL  
  
NAICS Code: 332999  
NAICS Description: ALL OTHER MISCELLANEOUS FABRICATED METAL PRODUCT MANUFACTURING

Has the Facility Received Notices of Violations:

Found Violation: Yes  
Agency Which Determined Violation: State  
Violation Short Description: Generators - Records/Reporting  
Date Violation was Determined: 20080320  
Actual Return to Compliance Date: 20091001  
Return to Compliance Qualifier: Documented  
Violation Responsible Agency: State  
Scheduled Compliance Date: 20080502  
Enforcement Identifier: 001  
Date of Enforcement Action: 20080402  
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: 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

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**MICHIGAN IRON & STEEL SUPPLY CO (Continued)**

**1010784771**

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:	State Statute or Regulation
Date Violation was Determined:	20080320
Actual Return to Compliance Date:	20091001
Return to Compliance Qualifier:	Documented
Violation Responsible Agency:	State
Scheduled Compliance Date:	20080502
Enforcement Identifier:	001
Date of Enforcement Action:	20080402
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:	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:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	Used Oil - Generators
Date Violation was Determined:	20020312
Actual Return to Compliance Date:	20020327
Return to Compliance Qualifier:	Documented
Violation Responsible Agency:	State
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	Not reported
Date of Enforcement Action:	Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**MICHIGAN IRON & STEEL SUPPLY CO (Continued)**

**1010784771**

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
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:	20080320
Actual Return to Compliance Date:	20091001
Return to Compliance Qualifier:	Documented
Violation Responsible Agency:	State
Scheduled Compliance Date:	20080502
Enforcement Identifier:	001
Date of Enforcement Action:	20080402
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:	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

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**MICHIGAN IRON & STEEL SUPPLY CO (Continued)**

**1010784771**

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:	20080320
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	Not reported
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	20091001
Scheduled Compliance Date:	20080502
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported

Evaluation Date:	20080320
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	Not reported
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	20091001
Scheduled Compliance Date:	20080502
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported

Evaluation Date:	20020312
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	Not reported
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	20020327
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:	20080320
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	Not reported
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	20091001
Scheduled Compliance Date:	20080502

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**MICHIGAN IRON & STEEL SUPPLY CO (Continued)**

**1010784771**

Date of Request: Not reported  
Date Response Received: Not reported  
Request Agency: Not reported  
Former Citation: Not reported

**P76**  
**SSW**  
**1/8-1/4**  
**0.238 mi.**  
**1259 ft.**

**INTEGRATED INTERIORS INC**  
**21221 HOOVER RD**  
**WARREN, MI 48089**

**RCRA-VSQQ**  
**FINDS**  
**ECHO**

**1001077963**  
**MIR000009316**

**Site 2 of 2 in cluster P**

**Relative:**  
**Higher**

**Actual:**  
**625 ft.**

RCRA Listings:  
Date Form Received by Agency: 20140818  
Handler Name: Integrated Interiors Inc  
Handler Address: 21221 HOOVER RD  
Handler City,State,Zip: WARREN, MI 48089  
EPA ID: MIR000009316  
Contact Name: DAVID PENDLEY  
Contact Address: Not reported  
Contact City,State,Zip: Not reported  
Contact Telephone: 586-756-4840  
Contact Fax: 586-756-9476  
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: 21221 HOOVER RD  
Mailing City,State,Zip: WARREN, MI 48089  
Owner Name: Larry Barnes  
Owner Type: Private  
Operator Name: Larry Barnes  
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  
Universal Waste Destination Facility: No  
Federal Universal Waste: No  
Active Site State-Reg Handler: ---  
Federal Facility Indicator: Not reported  
Hazardous Secondary Material Indicator: NN  
Sub-Part K Indicator: Not reported  
2018 GPRA Permit Baseline: Not on the Baseline

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**INTEGRATED INTERIORS INC (Continued)**

**1001077963**

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:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
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:	20140926
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:	Not reported
Manifest Broker:	Not reported
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:	BOB BARNES
Legal Status:	Private
Date Became Current:	20060101
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:	LARRY BARNES
Legal Status:	Private
Date Became Current:	20060101
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:	LARRY BARNES
Legal Status:	Private

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**INTEGRATED INTERIORS INC (Continued)**

**1001077963**

Date Became Current: 20060101  
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: LARRY BARNES  
Legal Status: Private  
Date Became Current: 20060101  
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: LARRY BARNES  
Legal Status: Private  
Date Became Current: 20060101  
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: BOB BARNES  
Legal Status: Private  
Date Became Current: 20060101  
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: LARRY BARNES  
Legal Status: Private  
Date Became Current: 20060101  
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

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**INTEGRATED INTERIORS INC (Continued)**

**1001077963**

Owner/Operator Indicator: Owner  
Owner/Operator Name: LARRY BARNES  
Legal Status: Private  
Date Became Current: 20060101  
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: DAVID PENDLEY III  
Legal Status: Private  
Date Became Current: 20060101  
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: DAVID PENDLEY III  
Legal Status: Private  
Date Became Current: 20060101  
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: DAVID PENDLEY III  
Legal Status: Private  
Date Became Current: 20060101  
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: BOB BARNES  
Legal Status: Private  
Date Became Current: 20060101  
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

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**INTEGRATED INTERIORS INC (Continued)**

**1001077963**

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

Owner/Operator Indicator: Operator  
Owner/Operator Name: BOB BARNES  
Legal Status: Private  
Date Became Current: 20060101  
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: LARRY BARNES  
Legal Status: Private  
Date Became Current: 20060101  
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: BOB BARNES  
Legal Status: Private  
Date Became Current: 20060101  
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: LARRY BARNES  
Legal Status: Private  
Date Became Current: 20060101  
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: BOB BARNES  
Legal Status: Private  
Date Became Current: 20060101  
Date Ended Current: Not reported  
Owner/Operator Address: Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**INTEGRATED INTERIORS INC (Continued)**

**1001077963**

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: LARRY BARNES  
Legal Status: Private  
Date Became Current: 20060101  
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: BOB BARNES  
Legal Status: Private  
Date Became Current: 20060101  
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: BOB BARNES  
Legal Status: Private  
Date Became Current: 20060101  
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: LARRY BARNES  
Legal Status: Private  
Date Became Current: 20060101  
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: BOB BARNES  
Legal Status: Private

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**INTEGRATED INTERIORS INC (Continued)**

**1001077963**

Date Became Current: 20060101  
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: LARRY BARNES  
Legal Status: Private  
Date Became Current: 20060101  
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: BOB BARNES  
Legal Status: Private  
Date Became Current: 20060101  
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: LARRY BARNES  
Legal Status: Private  
Date Became Current: 20060101  
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: BOB BARNES  
Legal Status: Private  
Date Became Current: 20060101  
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

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**INTEGRATED INTERIORS INC (Continued)**

**1001077963**

Owner/Operator Indicator: Operator  
Owner/Operator Name: LARRY BARNES  
Legal Status: Private  
Date Became Current: 20060101  
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: LARRY BARNES  
Legal Status: Private  
Date Became Current: 20060101  
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: DAVID PENDLEY III  
Legal Status: Private  
Date Became Current: 20060101  
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: DAVID PENDLEY III  
Legal Status: Private  
Date Became Current: 20060101  
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: DAVID PENDLEY III  
Legal Status: Private  
Date Became Current: 20060101  
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

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**INTEGRATED INTERIORS INC (Continued)**

**1001077963**

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

Owner/Operator Indicator: Owner  
Owner/Operator Name: DAVID PENDLEY III  
Legal Status: Private  
Date Became Current: 20060101  
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: BOB BARNES  
Legal Status: Private  
Date Became Current: 20060101  
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: BOB BARNES  
Legal Status: Private  
Date Became Current: 20060101  
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: LARRY BARNES  
Legal Status: Private  
Date Became Current: 20060101  
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: DAVID PENDLEY III  
Legal Status: Private  
Date Became Current: 20060101  
Date Ended Current: Not reported  
Owner/Operator Address: Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**INTEGRATED INTERIORS INC (Continued)**

**1001077963**

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: DAVID PENDLEY III  
Legal Status: Private  
Date Became Current: 20060101  
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: DAVID PENDLEY III  
Legal Status: Private  
Date Became Current: 20060101  
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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: DAVID PENDLEY III  
Legal Status: Private  
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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: DAVID PENDLEY III  
Legal Status: Private

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**INTEGRATED INTERIORS INC (Continued)**

**1001077963**

Date Became Current: 20060101  
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: BOB BARNES  
Legal Status: Private  
Date Became Current: 20060101  
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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: DAVID PENDLEY III  
Legal Status: Private  
Date Became Current: 20060101  
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: LARRY BARNES  
Legal Status: Private  
Date Became Current: 20060101  
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: DAVID PENDLEY III  
Legal Status: Private  
Date Became Current: 20060101  
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

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**INTEGRATED INTERIORS INC (Continued)**

**1001077963**

Owner/Operator Indicator: Operator  
Owner/Operator Name: DAVID PENDLEY III  
Legal Status: Private  
Date Became Current: 20060101  
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: BOB BARNES  
Legal Status: Private  
Date Became Current: 20060101  
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: DAVID PENDLEY III  
Legal Status: Private  
Date Became Current: 20060101  
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: 19980917  
Handler Name: INTEGRATED INTERIORS INC  
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: 19951027  
Handler Name: INTEGRATED INTERIORS INC  
Federal Waste Generator Description: Small Quantity Generator  
State District Owner: Not reported  
Large Quantity Handler of Universal Waste: No  
Recognized Trader Importer: No  
Recognized Trader Exporter: No

Map ID  
Direction  
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MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**INTEGRATED INTERIORS INC (Continued)**

**1001077963**

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:	20050822
Handler Name:	INTEGRATED INTERIORS INC
Federal Waste Generator Description:	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:	No
Non Storage Recycler Activity:	Not reported
Electronic Manifest Broker:	Not reported
Receive Date:	20080408
Handler Name:	INTEGRATED INTERIORS INC
Federal Waste Generator Description:	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:	No
Non Storage Recycler Activity:	Not reported
Electronic Manifest Broker:	Not reported
Receive Date:	20090507
Handler Name:	INTEGRATED INTERIORS INC
Federal Waste Generator Description:	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:	No
Non Storage Recycler Activity:	Not reported
Electronic Manifest Broker:	Not reported
Receive Date:	20100405
Handler Name:	INTEGRATED INTERIORS INC
Federal Waste Generator Description:	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:	No
Non Storage Recycler Activity:	Not reported
Electronic Manifest Broker:	Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**INTEGRATED INTERIORS INC (Continued)**

**1001077963**

Receive Date:	20110531
Handler Name:	INTEGRATED INTERIORS INC
Federal Waste Generator Description:	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:	No
Non Storage Recycler Activity:	Not reported
Electronic Manifest Broker:	Not reported
Receive Date:	20140818
Handler Name:	INTEGRATED INTERIORS INC
Federal Waste Generator Description:	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:	337215
NAICS Description:	SHOWCASE, PARTITION, SHELVING, AND LOCKER MANUFACTURING

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:	20090324
Actual Return to Compliance Date:	20091118
Return to Compliance Qualifier:	Documented
Violation Responsible Agency:	State
Scheduled Compliance Date:	20091101
Enforcement Identifier:	001
Date of Enforcement Action:	20090501
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:	WRITTEN INFORMAL
Enforcement Responsible Person:	Not reported
Enforcement Responsible Sub-Organization:	Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**INTEGRATED INTERIORS INC (Continued)**

**1001077963**

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:	20090324
Actual Return to Compliance Date:	20091118
Return to Compliance Qualifier:	Documented
Violation Responsible Agency:	State
Scheduled Compliance Date:	20091101
Enforcement Identifier:	001
Date of Enforcement Action:	20090501
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:	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:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	Generators - Pre-transport
Date Violation was Determined:	20140717
Actual Return to Compliance Date:	20140717
Return to Compliance Qualifier:	Observed

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**INTEGRATED INTERIORS INC (Continued)**

**1001077963**

Violation Responsible Agency:	Not reported
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	001
Date of Enforcement Action:	20140721
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:	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:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	Generators - Pre-transport
Date Violation was Determined:	20090324
Actual Return to Compliance Date:	20091118
Return to Compliance Qualifier:	Documented
Violation Responsible Agency:	State
Scheduled Compliance Date:	20091101
Enforcement Identifier:	001
Date of Enforcement Action:	20090501
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:	WRITTEN INFORMAL
Enforcement Responsible Person:	Not reported
Enforcement Responsible Sub-Organization:	Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**INTEGRATED INTERIORS INC (Continued)**

**1001077963**

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:	20140717
Actual Return to Compliance Date:	20140717
Return to Compliance Qualifier:	Observed
Violation Responsible Agency:	Not reported
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	001
Date of Enforcement Action:	20140721
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:	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
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Actual Return to Compliance Date:	20140717
Return to Compliance Qualifier:	Observed

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**INTEGRATED INTERIORS INC (Continued)**

**1001077963**

Violation Responsible Agency:	Not reported
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	001
Date of Enforcement Action:	20140721
Enforcement Responsible Agency:	State
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
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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
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Date Violation was Determined:	20090324
Actual Return to Compliance Date:	20091118
Return to Compliance Qualifier:	Documented
Violation Responsible Agency:	State
Scheduled Compliance Date:	20091101
Enforcement Identifier:	001
Date of Enforcement Action:	20090501
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:	WRITTEN INFORMAL
Enforcement Responsible Person:	Not reported
Enforcement Responsible Sub-Organization:	Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**INTEGRATED INTERIORS INC (Continued)**

**1001077963**

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: 20090324  
Evaluation Responsible Agency: State  
Found Violation: Yes  
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION ON-SITE  
Evaluation Responsible Person Identifier: Not reported  
Evaluation Responsible Sub-Organization: Not reported  
Actual Return to Compliance Date: 20091118  
Scheduled Compliance Date: 20091101  
Date of Request: Not reported  
Date Response Received: Not reported  
Request Agency: Not reported  
Former Citation: Not reported

Evaluation Date: 20090324  
Evaluation Responsible Agency: State  
Found Violation: Yes  
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION ON-SITE  
Evaluation Responsible Person Identifier: Not reported  
Evaluation Responsible Sub-Organization: Not reported  
Actual Return to Compliance Date: 20091118  
Scheduled Compliance Date: 20091101  
Date of Request: Not reported  
Date Response Received: Not reported  
Request Agency: Not reported  
Former Citation: Not reported

Evaluation Date: 20140717  
Evaluation Responsible Agency: State  
Found Violation: Yes  
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION ON-SITE  
Evaluation Responsible Person Identifier: Not reported  
Evaluation Responsible Sub-Organization: Not reported  
Actual Return to Compliance Date: 20140717  
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: 20090324  
Evaluation Responsible Agency: State  
Found Violation: Yes  
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION ON-SITE

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**INTEGRATED INTERIORS INC (Continued)**

**1001077963**

Evaluation Responsible Person Identifier:	Not reported
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	20091118
Scheduled Compliance Date:	20091101
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	20140717
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	Not reported
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	20140717
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:	20140717
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	Not reported
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	20140717
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:	20090324
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	Not reported
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	20091118
Scheduled Compliance Date:	20091101
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported

**FINDS:**

Registry ID: 110009394208

[Click Here for FRS Facility Detail Report:](#)

**Environmental Interest/Information System:**

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**INTEGRATED INTERIORS INC (Continued)**

**1001077963**

events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.  
OSHA ESTABLISHMENT

[Click this hyperlink](#) while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

**ECHO:**

Envid: 1001077963  
Registry ID: 110009394208  
DFR URL: <http://echo.epa.gov/detailed-facility-report?fid=110009394208>  
Name: INTEGRATED INTERIORS INC  
Address: 21221 HOOVER RD  
City,State,Zip: WARREN, MI 48089

**77  
NNE  
1/8-1/4  
0.239 mi.  
1261 ft.**

**NASH MACHINERY  
22701 NAGEL STREET  
WARREN, MI 48089**

**MI INVENTORY S108895960  
MI BEA N/A  
MI WDS  
MI VCP**

**Relative:  
Higher**

**INVENTORY:**

**Actual:  
625 ft.**

Name: 22701 NAGEL STREET  
Address: 22701 NAGEL STREET  
City,State,Zip: MI 48089  
Township: Not reported  
District: Warren  
Data Source: Risks Not Determined  
Lust Name: Not reported  
Regulatory Program: 201  
Release Status: Not reported  
Project Manager: Owens, Paul  
Latitude: 42.459187  
Longitude: -83.00221

**BEA:**

Name: 22701 NAGEL STREET  
Address: 22701 NAGEL STREET  
City,State,Zip: MI 48089  
Secondary Address: Not reported  
BEA Number: Not reported  
District: Not reported  
Date Received: 10/18/2007  
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: 50500177  
Submittal Type: Baseline Environmental Assessment  
Submittal Number: B200703693LV  
Approval Status: RRD Received  
Workflow Status: Submitted  
Date Submitted: 2007-10-19 08:54:29

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**NASH MACHINERY (Continued)**

**S108895960**

Date Completed:	Not reported
Township:	Not reported
Work Unit:	Warren
Comments:	Two BEA Disclosures submitted for same property - Same Owner and Operator. BEAs first received on 9/26/07. Notified consultant that Disclosure forms needed to be revised. Received revised/corrected forms on 10/18/07. Patti Records Manager: Box 221, To Lansing on 6/15/16
Organization:	Ken Nash, LLC
Contact:	Garnet R. Johnson
Contact Type:	Submitter Contact
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:	22701 NAGEL STREET
Address:	22701 NAGEL STREET
City,State,Zip:	MI 48089
Secondary Address:	Not reported
BEA Number:	Not reported
District:	Not reported
Date Received:	10/18/2007
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:	50500177
Submittal Type:	Baseline Environmental Assessment
Submittal Number:	B200703694LV
Approval Status:	RRD Received
Workflow Status:	Submitted
Date Submitted:	2007-10-19 09:00:00
Date Completed:	Not reported
Township:	Not reported
Work Unit:	Warren
Comments:	Two BEA Disclosures submitted for same property - Same Owner and Operator. BEAs first received on 9/26/07. Notified consultant that Disclosure forms needed to be revised. Received revised/corrected forms on 10/18/07. Patti Records Manager: Box 221, To Lansing on 6/15/16
Organization:	Nash Machinery
Contact:	Garnet R. Johnson
Contact Type:	Submitter Contact
Organization Street Address:	Not reported
Organization City:	Not reported
Organization State:	Not reported
Organization Zip Code:	Not reported
Organization County:	Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**NASH MACHINERY (Continued)**

**S108895960**

Contact Street Address:	Not reported
Contact City:	Not reported
Contact Zip Code:	Not reported
Contact State:	Not reported
Name:	NASH MACHINERY
Address:	22701 NAGEL STREET
City,State,Zip:	WARREN, MI 48089
Secondary Address:	Not reported
BEA Number:	3693
District:	Southeast MI
Date Received:	10/18/2007
Submitter Name:	Ken Nash, LLC
Petition Determination:	No Request
Petition Disclosure:	0
Category:	N
Determination 20107A:	No Request
Reviewer:	ndukwee
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
Contact Zip Code:	Not reported
Contact State:	Not reported
Name:	NASH MACHINERY
Address:	22701 NAGEL STREET
City,State,Zip:	WARREN, MI 48089
Secondary Address:	Not reported
BEA Number:	3694
District:	Southeast MI
Date Received:	10/18/2007
Submitter Name:	Nash Machinery
Petition Determination:	No Request
Petition Disclosure:	0
Category:	N
Determination 20107A:	No Request
Reviewer:	ndukwee
Division Assigned:	ERD
Location ID:	Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**NASH MACHINERY (Continued)**

**S108895960**

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

**WDS:**

Name: BROACHING SERVICES  
Address: 22701 NAGEL ST  
City,State,Zip: WARREN, MI 48089  
Site Id: MIG000006207  
WMD Id: 458389  
Site Specific Name: BROACHING SERVICES  
Mailing Address: 22701 NAGEL ST  
Mailing City/State/Zip: 48089  
Mailing County: MACOMB

**VCP:**

Location ID: 50500177  
Name: 22701 NAGEL STREET  
Address: 22701 NAGEL STREET  
City,State,Zip: MI 48089  
Location Type: Part 201 site  
Township: Not reported  
Work Unit: Warren  
Project Manager: Owens, Paul  
Risk Condition: Risks Not Determined  
Latitude: 42.459187  
Longitude: -83.00221

**S78**  
**East**  
**1/8-1/4**  
**0.240 mi.**  
**1265 ft.**

**LINDE GAS PROPERTY (FORMER)**  
**21801 GROESBECK**  
**WARREN, MI 48089**  
**Site 5 of 6 in cluster S**

**MI INVENTORY S114027036**  
**MI VCP N/A**

**Relative:**  
**Lower**  
**Actual:**  
**624 ft.**

**INVENTORY:**  
Name: LINDE GAS PROPERTY (FORMER)  
Address: 21801 GROESBECK  
City,State,Zip: WARREN, MI 48089  
Township: Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**LINDE GAS PROPERTY (FORMER) (Continued)**

**S114027036**

District: Warren  
Data Source: Inadequate Data to Assign Risk  
Lust Name: Not reported  
Regulatory Program: 201  
Release Status: Not reported  
Project Manager: Unassigned, Southeast MI  
Latitude: 42.456786  
Longitude: -82.996469

**VCP:**

Location ID: 50000860  
Name: LINDE GAS PROPERTY (FORMER)  
Address: 21801 GROESBECK  
City,State,Zip: WARREN, MI 48089  
Location Type: Part 201 site  
Township: Not reported  
Work Unit: Warren  
Project Manager: Unassigned, Southeast MI  
Risk Condition: Inadequate Data to Assign Risk  
Latitude: 42.456786  
Longitude: -82.996469

**S79**  
**East**  
**1/8-1/4**  
**0.240 mi.**  
**1265 ft.**

**PLYMOUTH WAYNE WELDING**  
**21801 GROESBECK HWY**  
**WARREN, MI 48089**

**MI AST A100172739**  
**N/A**

**Site 6 of 6 in cluster S**

**Relative:**  
**Lower**

**AST:**

**Actual:**  
**624 ft.**

Name: PLYMOUTH WAYNE WELDING  
Address: 21801 GROESBECK HWY  
City: WARREN  
Zip: 48089-4226  
Facility ID: 92084225  
Owner Name: PLYMOUTH WAYNE WELDING  
Owner Address: 21801 GROESBECK HWY  
Owner City,St,Zip: WARREN, MI 48089-4226  
District: 1  
Date of Collection: 01/11/2001  
Accuracy: 100 FEET  
Source: STATE OF MICHIGAN  
Point Line Area: POINT  
Description Category: Plant Entrance (Freight)  
Method of Collection: Address Matching-House Number  
Horizontal Datum: NAD83  
Latitude: 42.4571030  
Longitude: -82.997002

Tank Id: ATK-102217-15  
Tank Status: Removed from Premises  
Capacity (in gallons): 1000  
Installation Date: 03/28/2000  
Substance Stored: LPG,Other  
Removed/Closed Date: 02/07/2003

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**V80**  
**NNW**  
**1/4-1/2**  
**0.270 mi.**  
**1425 ft.**  
**F.A.O. INVESTMENTS**  
**22705 HOOVER ROAD**  
**WARREN, MI**  
**Site 1 of 2 in cluster V**

**MI BEA** **S104912526**  
**N/A**

**Relative:**  
**Higher**

BEA:

**Actual:**  
**625 ft.**

Name: F.A.O. INVESTMENTS  
Address: 22705 HOOVER ROAD  
City,State,Zip: WARREN, MI  
Secondary Address: Not reported  
BEA Number: 1172  
District: Southeast MI  
Date Received: 07/20/2000  
Submitter Name: F.A.O. INVESTMENTS  
Petition Determination: No Request  
Petition Disclosure: 0  
Category: N  
Determination 20107A: No Request  
Reviewer: temppm  
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  
Contact Zip Code: Not reported  
Contact State: Not reported

**V81**  
**NNW**  
**1/4-1/2**  
**0.270 mi.**  
**1425 ft.**  
**22705 HOOVER**  
**22705 HOOVER**  
**WARREN, MI 48089**  
**Site 2 of 2 in cluster V**

**MI INVENTORY** **S114027284**  
**MI BEA** **N/A**  
**MI VCP**

**Relative:**  
**Higher**

INVENTORY:

**Actual:**  
**625 ft.**

Name: 22705 HOOVER  
Address: 22705 HOOVER  
City,State,Zip: WARREN, MI 48089  
Township: Not reported  
District: Warren  
Data Source: Risks Not Determined  
Lust Name: Not reported  
Regulatory Program: 201  
Release Status: Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**22705 HOOVER (Continued)**

**S114027284**

Project Manager: Ndukwe, Ernest  
Latitude: 42.46093  
Longitude: -83.005832

**BEA:**

Name: 22705 HOOVER  
Address: 22705 HOOVER  
City,State,Zip: WARREN, MI 48089  
Secondary Address: Not reported  
BEA Number: Not reported  
District: Not reported  
Date Received: 07/20/2000  
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: 50001077  
Submittal Type: Baseline Environmental Assessment  
Submittal Number: B200001172LV  
Approval Status: RRD Received  
Workflow Status: Submitted  
Date Submitted: 2004-01-31 07:29:04  
Date Completed: Not reported  
Township: Not reported  
Work Unit: Warren  
Comments: Not reported  
Organization: F.A.O. INVESTMENTS  
Contact: OSAMA ABULHAH  
Contact Type: Submitter Contact  
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

**VCP:**

Location ID: 50001077  
Name: 22705 HOOVER  
Address: 22705 HOOVER  
City,State,Zip: WARREN, MI 48089  
Location Type: Part 201 site  
Township: Not reported  
Work Unit: Warren  
Project Manager: Ndukwe, Ernest  
Risk Condition: Risks Not Determined  
Latitude: 42.46093  
Longitude: -83.005832

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**82**  
**SE**  
**1/4-1/2**  
**0.278 mi.**  
**1470 ft.**

**DELTA DEVELOPMENT & DESIGN**  
**21300 GROESBECK HIGHWAY**  
**WARREN, MI 48089**

**MI BEA** **S105095062**  
**N/A**

**Relative:**  
**Higher**

**Actual:**  
**625 ft.**

BEA:  
Name: DELTA DEVELOPMENT & DESIGN  
Address: 21300 GROESBECK HIGHWAY  
City,State,Zip: WARREN, MI 48089  
Secondary Address: Not reported  
BEA Number: 1457  
District: Southeast MI  
Date Received: 08/06/2001  
Submitter Name: Delta Development & Design  
Petition Determination: Affirmed  
Petition Disclosure: 1  
Category: N  
Determination 20107A: Affirmed  
Reviewer: ndukwee  
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  
Contact Zip Code: Not reported  
Contact State: Not reported

**U83**  
**North**  
**1/4-1/2**  
**0.280 mi.**  
**1481 ft.**

**VACANT INDUSTRIAL BUILDING**  
**22728 HOOVER ROAD**  
**WARREN, MI**

**MI BEA** **S108986860**  
**N/A**

**Site 4 of 4 in cluster U**

**Relative:**  
**Higher**

**Actual:**  
**625 ft.**

BEA:  
Name: VACANT INDUSTRIAL BUILDING  
Address: 22728 HOOVER ROAD  
City,State,Zip: WARREN, MI  
Secondary Address: Not reported  
BEA Number: 3757  
District: Southeast MI  
Date Received: 01/09/2008  
Submitter Name: Comerica Bank  
Petition Determination: Affirmed

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**VACANT INDUSTRIAL BUILDING (Continued)**

**S108986860**

Petition Disclosure: 1  
Category: N  
Determination 20107A: No Request  
Reviewer: ndukwee  
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  
Contact Zip Code: Not reported  
Contact State: Not reported

**W84**  
**North**  
**1/4-1/2**  
**0.293 mi.**  
**1548 ft.**  
**A. M. MCCARTHY & SONS COMPANY**  
**22750 HOOVER ROAD**  
**WARREN, MI 48089**  
**Site 1 of 2 in cluster W**

**MI BEA S107031603**  
**N/A**

**Relative:**  
**Higher**

**Actual:**  
**625 ft.**

BEA:  
Name: A. M. MCCARTHY & SONS COMPANY  
Address: 22750 HOOVER ROAD  
City,State,Zip: WARREN, MI 48089  
Secondary Address: Not reported  
BEA Number: 2846  
District: Southeast MI  
Date Received: 07/13/2005  
Submitter Name: BBC Holdings, LLC  
Petition Determination: No Request  
Petition Disclosure: 0  
Category: S  
Determination 20107A: No Request  
Reviewer: ndukwee  
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

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**A. M. MCCARTHY & SONS COMPANY (Continued)**

**S107031603**

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

**W85**  
**North**  
**1/4-1/2**  
**0.293 mi.**  
**1548 ft.**

**22750 HOOVER ROAD**  
**22750 HOOVER ROAD**  
**WARREN, MI 48089**  
**Site 2 of 2 in cluster W**

**MI INVENTORY** **S114032323**  
**MI BEA** **N/A**  
**MI VCP**

**Relative:**  
**Higher**  
**Actual:**  
**625 ft.**

**INVENTORY:**  
Name: 22750 HOOVER ROAD  
Address: 22750 HOOVER ROAD  
City,State,Zip: WARREN, MI 48089  
Township: Not reported  
District: Warren  
Data Source: Risks Not Determined  
Lust Name: Not reported  
Regulatory Program: 201  
Release Status: Not reported  
Project Manager: Owens, Paul  
Latitude: 42.46157  
Longitude: -83.0056

**BEA:**

Name: 22750 HOOVER ROAD  
Address: 22750 HOOVER ROAD  
City,State,Zip: MI 48089  
Secondary Address: Not reported  
BEA Number: Not reported  
District: Not reported  
Date Received: 07/13/2005  
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: 50500180  
Submittal Type: Baseline Environmental Assessment  
Submittal Number: B200502846LV  
Approval Status: RRD Received  
Workflow Status: Submitted  
Date Submitted: 2005-07-14 13:52:36  
Date Completed: Not reported  
Township: Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**22750 HOOVER ROAD (Continued)**

**S114032323**

Work Unit: Warren  
Comments: Records Manager: Box 130 To Lansing for scanning on 3/24/16  
Organization: BBC Holdings, LLC  
Contact: 21st Century Resources Group, LLC  
Contact Type: Submitter Contact  
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

**VCP:**

Location ID: 50500180  
Name: 22750 HOOVER ROAD  
Address: 22750 HOOVER ROAD  
City,State,Zip: WARREN, MI 48089  
Location Type: Part 201 site  
Township: Not reported  
Work Unit: Warren  
Project Manager: Owens, Paul  
Risk Condition: Risks Not Determined  
Latitude: 42.46157  
Longitude: -83.0056

**86**  
**ENE**  
**1/4-1/2**  
**0.306 mi.**  
**1618 ft.**

**BEST BLOCK CO**  
**22001 GROESBECK HWY**  
**WARREN, MI 48089**

**MI LUST** **U002302068**  
**MI UST** **N/A**

**Relative:**  
**Lower**  
**Actual:**  
**624 ft.**

**LUST:**

Name: BEST BLOCK CO  
Address: 22001 GROESBECK HWY  
City,State,Zip: WARREN, MI 48089  
Facility ID: 18063  
Source: Not reported  
Owner Name: County Road Commssion, Calhoun  
Owner Address: Not reported  
Owner City,St,Zip: Not reported  
Owner Contact: Not reported  
Owner Phone: Not reported  
Country: Not reported  
District: Warren  
Site Name: Borin Builders Supply  
Latitude: 42.45993  
Longitude: -82.99571  
Date of Collection: Not reported  
Method of Collection: The geographic coordinate determination method based on GPS code measurements (pseudo range) standard positioning service (SA Off).  
Accuracy: 100  
Accuracy Value Unit: Not reported  
Horizontal Data: North American Datum of 1983  
Point Line Area: Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**BEST BLOCK CO (Continued)**

**U002302068**

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: 19952  
Release Date: 04/06/1992  
Substance Released: Not reported  
Release Status: Closed  
Release Closed Date: 01/17/1995

Leak Number: 19953  
Release Date: 04/07/1992  
Substance Released: Not reported  
Release Status: Closed  
Release Closed Date: 01/17/1995

Leak Number: C-0544-92  
Release Date: 04/06/1992  
Substance Released: Diesel  
Release Status: Closed  
Release Closed Date: 01/17/1995

Leak Number: C-0545-92  
Release Date: 04/07/1992  
Substance Released: Gasoline  
Release Status: Closed  
Release Closed Date: 01/17/1995

**UST:**

Name: BEST BLOCK CO  
Address: 22001 GROESBECK HWY  
City,State,Zip: WARREN 48089-4228  
Facility Type: CLOSED  
Facility ID: 00018063  
Owner Name: BEST BLOCK CO  
Owner Address: 22001 GROESBECK HWY  
Owner City: WARREN  
Owner State: MI  
Owner Zip: 48089-4228  
Owner Contact: Not reported  
Owner Phone: 8107727000  
Contact: Not reported  
Contact Phone: Not reported  
Date of Collection: 04/27/2005  
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: GPS Code Meas. Standard Positioning Service SA Off  
District: Region 1 - SE Michigan District Office  
Tank ID: 4  
Capacity: 12000

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**BEST BLOCK CO (Continued)**

**U002302068**

Tank Status:	Removed from Ground
Substance:	Diesel,Gasoline
Install Date:	06/16/1992
Remove Date:	08/18/2005
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:	42.45993
Longitude:	-82.99571
Name:	BEST BLOCK CO
Address:	22001 GROESBECK HWY
City,State,Zip:	WARREN 48089-4228
Facility Type:	CLOSED
Facility ID:	00018063
Owner Name:	BEST BLOCK CO
Owner Address:	22001 GROESBECK HWY
Owner City:	WARREN
Owner State:	MI
Owner Zip:	48089-4228
Owner Contact:	Not reported
Owner Phone:	8107727000
Contact:	Not reported
Contact Phone:	Not reported
Date of Collection:	04/27/2005
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:	GPS Code Meas. Standard Positioning Service SA Off
District:	Region 1 - SE Michigan District Office
Tank ID:	3
Capacity:	6000
Tank Status:	Removed from Ground
Substance:	Diesel
Install Date:	01/01/1965
Remove Date:	05/01/1992
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:	42.45993
Longitude:	-82.99571
Name:	BEST BLOCK CO
Address:	22001 GROESBECK HWY

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**BEST BLOCK CO (Continued)**

**U002302068**

City,State,Zip: WARREN 48089-4228  
Facility Type: CLOSED  
Facility ID: 00018063  
Owner Name: BEST BLOCK CO  
Owner Address: 22001 GROESBECK HWY  
Owner City: WARREN  
Owner State: MI  
Owner Zip: 48089-4228  
Owner Contact: Not reported  
Owner Phone: 8107727000  
Contact: Not reported  
Contact Phone: Not reported  
Date of Collection: 04/27/2005  
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: GPS Code Meas. Standard Positioning Service SA Off  
District: Region 1 - SE Michigan District Office  
Tank ID: 2  
Capacity: 6000  
Tank Status: Removed from Ground  
Substance: Diesel  
Install Date: 01/01/1965  
Remove Date: 05/01/1992  
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: 42.45993  
Longitude: -82.99571

Name: BEST BLOCK CO  
Address: 22001 GROESBECK HWY  
City,State,Zip: WARREN 48089-4228  
Facility Type: CLOSED  
Facility ID: 00018063  
Owner Name: BEST BLOCK CO  
Owner Address: 22001 GROESBECK HWY  
Owner City: WARREN  
Owner State: MI  
Owner Zip: 48089-4228  
Owner Contact: Not reported  
Owner Phone: 8107727000  
Contact: Not reported  
Contact Phone: Not reported  
Date of Collection: 04/27/2005  
Accuracy: 100  
Horizontal Datum: NAD83  
Accuracy Value Unit: FEET  
Source: STATE OF MICHIGAN

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**BEST BLOCK CO (Continued)**

**U002302068**

Point Line Area: POINT  
Desc Category: Plant Entrance (Freight)  
Method of Collection: GPS Code Meas. Standard Positioning Service SA Off  
District: Region 1 - SE Michigan District Office  
Tank ID: 1  
Capacity: 6000  
Tank Status: Removed from Ground  
Substance: Gasoline  
Install Date: 04/30/1962  
Remove Date: 05/01/1992  
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: 42.45993  
Longitude: -82.99571

**X87**  
**WSW**  
**1/4-1/2**  
**0.316 mi.**  
**1668 ft.**

**21520 MULLIN AVENUE**  
**21520 MULLIN AVENUE**  
**WARREN, MI 48089**  
**Site 1 of 3 in cluster X**

**MI INVENTORY**  
**MI BEA**  
**MI WDS**  
**MI VCP**

**S111972722**  
**N/A**

**Relative:**  
**Higher**

**Actual:**  
**625 ft.**

**INVENTORY:**  
Name: 21520 MULLIN AVENUE  
Address: 21520 MULLIN AVENUE  
City,State,Zip: WARREN, MI 48089  
Township: Not reported  
District: Warren  
Data Source: Risks Not Determined  
Lust Name: Not reported  
Regulatory Program: 201  
Release Status: Not reported  
Project Manager: Adolphues, Ira  
Latitude: 42.45481056  
Longitude: -83.01090655

**BEA:**

Name: 21520 MULLIN AVENUE  
Address: 21520 MULLIN AVENUE  
City,State,Zip: WARREN, MI 48089  
Secondary Address: Not reported  
BEA Number: Not reported  
District: Not reported  
Date Received: 12/14/2020  
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: 50500479

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**21520 MULLIN AVENUE (Continued)**

**S111972722**

Submittal Type: Baseline Environmental Assessment  
Submittal Number: 50500479-BEA-1  
Approval Status: RRD Received  
Workflow Status: Submitted  
Date Submitted: Not reported  
Date Completed: 12/9/2020  
Township: Not reported  
Work Unit: Warren  
Comments: Not reported  
Organization: Charara Industrial Property, LLC  
Contact: Charara, Hassen  
Contact Type: Owner/Operator  
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: QUALITY SPINDLE SERVICES  
Address: 21520 MULLIN AVE  
City,State,Zip: WARREN, MI 48089  
Site Id: MIK931878748  
WMD Id: 468973  
Site Specific Name: QUALITY SPINDEL SERVICES  
Mailing Address: 21520 MULLIN AVE  
Mailing City/State/Zip: 48089  
Mailing County: MACOMB

**VCP:**

Location ID: 50500479  
Name: 21520 MULLIN AVENUE  
Address: 21520 MULLIN AVENUE  
City,State,Zip: WARREN, MI 48089  
Location Type: Part 201 site  
Township: Not reported  
Work Unit: Warren  
Project Manager: Adolphues, Ira  
Risk Condition: Risks Not Determined  
Latitude: 42.45481056  
Longitude: -83.01090655

**X88**  
**WSW**  
**1/4-1/2**  
**0.327 mi.**  
**1728 ft.**

**21569 MULLIN AVENUE**  
**21569 MULLIN AVENUE**  
**WARREN, MI 48089**  
**Site 2 of 3 in cluster X**

**MI INVENTORY**  
**MI BEA**  
**MI VCP**

**S128642192**  
**N/A**

**Relative:**  
**Higher**  
**Actual:**  
**625 ft.**

**INVENTORY:**  
Name: 21569 MULLIN AVENUE  
Address: 21569 MULLIN AVENUE  
City,State,Zip: WARREN, MI 48089  
Township: Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**21569 MULLIN AVENUE (Continued)**

**S128642192**

District: Warren  
Data Source: Risks Not Determined  
Lust Name: Not reported  
Regulatory Program: 201  
Release Status: Not reported  
Project Manager: Adolphues, Ira  
Latitude: 42.45483644  
Longitude: -83.01140403

**BEA:**

Name: 21569 MULLIN AVENUE  
Address: 21569 MULLIN AVENUE  
City,State,Zip: WARREN, MI 48089  
Secondary Address: Not reported  
BEA Number: Not reported  
District: Not reported  
Date Received: 12/22/2021  
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: 50500508  
Submittal Type: Not reported  
Submittal Number: 50500508-BEA-1  
Approval Status: In Review  
Workflow Status: Submitted  
Date Submitted: Not reported  
Date Completed: 00:00.0  
Township: Not reported  
Work Unit: Warren  
Comments: Not reported  
Organization: DTE Electric Company  
Contact: Brennan, Michael  
Contact Type: Not reported  
Organization Street Address: One Energy Plaza, 410 G.O.  
Organization City: Detroit  
Organization State: MI  
Organization Zip Code: 48226  
Organization County: Not reported  
Contact Street Address: One Energy Plaza, 410 G.O.  
Contact City: Detroit  
Contact Zip Code: 48226  
Contact State: MI

**VCP:**

Location ID: 50500508  
Name: 21569 MULLIN AVENUE  
Address: 21569 MULLIN AVENUE  
City,State,Zip: WARREN, MI 48089  
Location Type: Part 201 site  
Township: Not reported  
Work Unit: Warren  
Project Manager: Adolphues, Ira

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**21569 MULLIN AVENUE (Continued)**

**S128642192**

Risk Condition: Risks Not Determined  
Latitude: 42.45483644  
Longitude: -83.01140403

**X89**  
**WSW**  
**1/4-1/2**  
**0.327 mi.**  
**1728 ft.**

**21569 MULLIN**  
**21569 MULLIN**  
**WARREN, MI 48089**  
**Site 3 of 3 in cluster X**

**MI BEA S128266870**  
**N/A**

**Relative:**  
**Higher**

**Actual:**  
**625 ft.**

BEA:  
Name: 21569 MULLIN  
Address: 21569 MULLIN  
City,State,Zip: WARREN, MI 48089  
Secondary Address: Not reported  
BEA Number: Not reported  
District: Not reported  
Date Received: 12/22/2021  
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: 50500508  
Submittal Type: BEA  
Submittal Number: 50500508-BEA-1  
Approval Status: In Review  
Workflow Status: Submitted  
Date Submitted: Not reported  
Date Completed: 00:00.0  
Township: Not reported  
Work Unit: Warren  
Comments: Not reported  
Organization: DTE Electric Company  
Contact: Not reported  
Contact Type: Owner/Operator  
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

90  
WSW  
1/4-1/2  
0.329 mi.  
1735 ft.

**SAS GLOBAL CORPORATION**  
**21601 MULLIN AVE**  
**WARREN, MI 48089**

**MI INVENTORY**  
**MI BEA**  
**MI WDS**  
**MI VCP**

**S108084443**  
**N/A**

**Relative:**  
**Higher**

**Actual:**  
**625 ft.**

**INVENTORY:**

Name: 21601 MULLIN AVENUE  
Address: 21601 MULLIN AVENUE  
City,State,Zip: WARREN, MI 48933  
Township: Not reported  
District: Warren  
Data Source: Risks Not Determined  
Lust Name: Not reported  
Regulatory Program: 201  
Release Status: Not reported  
Project Manager: Owens, Paul  
Latitude: 42.45517417  
Longitude: -83.01214676

**BEA:**

Name: SCION STEEL, INC.  
Address: 21601 MULLIN AVENUE  
City,State,Zip: WARREN, MI  
Secondary Address: Not reported  
BEA Number: 3184  
District: Southeast MI  
Date Received: 06/30/2006  
Submitter Name: Sure Alloy Steel Corporation  
Petition Determination: No Request  
Petition Disclosure: 0  
Category: S  
Determination 20107A: No Request  
Reviewer: ndukwee  
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  
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

**SAS GLOBAL CORPORATION (Continued)**

**S108084443**

**WDS:**

Name: SAS GLOBAL CORPORATION  
Address: 21601 MULLIN AVE  
City,State,Zip: WARREN, MI 48089  
Site Id: MIK194145520  
WMD Id: 441374  
Site Specific Name: SAS GLOBAL CORPORATION  
Mailing Address: 21601 MULLIN AVE  
Mailing City/State/Zip: 48089  
Mailing County: MACOMB

**VCP:**

Location ID: 50500166  
Name: 21601 MULLIN AVENUE  
Address: 21601 MULLIN AVENUE  
City,State,Zip: WARREN, MI 48933  
Location Type: Part 201 site  
Township: Not reported  
Work Unit: Warren  
Project Manager: Owens, Paul  
Risk Condition: Risks Not Determined  
Latitude: 42.45517417  
Longitude: -83.01214676

**Y91** 12350 EAST NINE MILE ROAD, WARREN  
**NNE** 12350 EAST NINE MILE ROAD  
**1/4-1/2** WARREN, MI 48089  
**0.341 mi.**  
**1802 ft.** Site 1 of 3 in cluster Y

**MI ASBESTOS** **S119790011**  
**MI BEA** **N/A**

**Relative:**  
**Higher**  
**Actual:**  
**625 ft.**

**ASBESTOS:**

Notification ID: 120375  
Name: SYCREON  
Address: 12350 EAST NINE MILE ROAD  
City,State,Zip: WARREN, MI 48089  
Contractor Name: Building Decommission Services, LLC  
Project Number: 16-590  
Notification Type and Date: Regular 08/17/2016  
Start Date: 09/04/2016  
End Date: 09/04/2016  
Linear Feet: 480  
Square Feet: Not reported

Notification ID: 174956  
Name: 12350 E. NINE MILE PROPERTY  
Address: 12350 E. NINE MILE ROAD  
City,State,Zip: WARREN, MI 48047  
Contractor Name: National Environmental Group, LLC  
Project Number: Not reported  
Notification Type and Date: Regular 05/08/2023  
Start Date: 05/22/2023  
End Date: 07/20/2023  
Linear Feet: 18445  
Square Feet: 6800

**BEA:**

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**12350 EAST NINE MILE ROAD, WARREN (Continued)**

**S119790011**

Name: 12350 EAST NINE MILE ROAD, WARREN  
Address: 12350 EAST NINE MILE ROAD  
City,State,Zip: WARREN, MI 48089  
Secondary Address: Not reported  
BEA Number: Not reported  
District: Not reported  
Date Received: 04/25/2023  
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: 50500563  
Submittal Type: Not reported  
Submittal Number: 50500563-BEA-1  
Approval Status: In Review  
Workflow Status: Submitted  
Date Submitted: 2023-05-04 18:22:36  
Date Completed: Not reported  
Township: Not reported  
Work Unit: Warren  
Comments: Not reported  
Organization: IX Mile LLC  
Contact: Vallan, Anthony  
Contact Type: Not reported  
Organization Street Address: 52000 Sierra Drive  
Organization City: Chesterfield  
Organization State: MI  
Organization Zip Code: 48047  
Organization County: Not reported  
Contact Street Address: 52000 Sierra Drive  
Contact City: Chesterfield  
Contact Zip Code: 48047  
Contact State: MI

Name: 12350 EAST NINE MILE ROAD, WARREN  
Address: 12350 EAST NINE MILE ROAD  
City,State,Zip: WARREN, MI 48089  
Secondary Address: Not reported  
BEA Number: Not reported  
District: Not reported  
Date Received: 04/25/2023  
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: 50500563  
Submittal Type: Not reported  
Submittal Number: 50500563-BEA-2  
Approval Status: In Review  
Workflow Status: Submitted  
Date Submitted: 2023-05-04 18:28:03

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**12350 EAST NINE MILE ROAD, WARREN (Continued)**

**S119790011**

Date Completed: Not reported  
Township: Not reported  
Work Unit: Warren  
Comments: Not reported  
Organization: Young Supply Company  
Contact: Vallan, Anthony  
Contact Type: Not reported  
Organization Street Address: 52000 Sierra Drive  
Organization City: Chesterfield  
Organization State: MI  
Organization Zip Code: 48047  
Organization County: Not reported  
Contact Street Address: 52000 Sierra Drive  
Contact City: Chesterfield  
Contact Zip Code: 48047  
Contact State: MI

**Y92**  
**NNE**  
**1/4-1/2**  
**0.341 mi.**  
**1802 ft.**

**12350 EAST NINE MILE ROAD, WARREN**  
**12350 EAST NINE MILE ROAD**  
**WARREN, MI 48089**  
**Site 2 of 3 in cluster Y**

**MI VCP S130208506**  
**N/A**

**Relative:**  
**Higher**  
**Actual:**  
**625 ft.**

VCP:  
Location ID: 50500563  
Name: 12350 EAST NINE MILE ROAD, WARREN  
Address: 12350 EAST NINE MILE ROAD  
City,State,Zip: WARREN, MI 48089  
Location Type: Part 201 site  
Township: Not reported  
Work Unit: Warren  
Project Manager: Adolphues, Ira  
Risk Condition: Risks Not Determined  
Latitude: 42.46375563  
Longitude: -82.99764074

**Y93**  
**NNE**  
**1/4-1/2**  
**0.341 mi.**  
**1802 ft.**

**MIDWEST PAPER PRODUCTS**  
**12350 E 9 MILE RD**  
**WARREN, MI 48089**  
**Site 3 of 3 in cluster Y**

**MI LUST U000715518**  
**MI UST N/A**

**Relative:**  
**Higher**  
**Actual:**  
**625 ft.**

LUST:  
Name: MIDWEST PAPER PRODUCTS  
Address: 12350 E 9 MILE RD  
City,State,Zip: WARREN, MI 48089  
Facility ID: 35918  
Source: Not reported  
Owner Name: Cornman, Michael  
Owner Address: Not reported  
Owner City,St,Zip: Not reported  
Owner Contact: Not reported  
Owner Phone: 8002556690  
Country: Not reported  
District: Warren  
Site Name: Midwest Paper Co.

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**MIDWEST PAPER PRODUCTS (Continued)**

**U000715518**

Latitude: 42.46351  
Longitude: -82.99822  
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: 20778  
Release Date: 07/14/1992  
Substance Released: Not reported  
Release Status: Closed  
Release Closed Date: 02/13/1996

Leak Number: C-1179-92  
Release Date: 07/14/1992  
Substance Released: Gasoline,Diesel  
Release Status: Closed  
Release Closed Date: 02/13/1996

**UST:**

Name: MIDWEST PAPER PRODUCTS  
Address: 12350 E 9 MILE RD  
City,State,Zip: WARREN 48089-2629  
Facility Type: CLOSED  
Facility ID: 00035918  
Owner Name: MIDWEST PAPER PRODUCTS  
Owner Address: 26055 EMERY RD SUITE E  
Owner City: WARRENSVILLE HTS  
Owner State: MI  
Owner Zip: 44128  
Owner Contact: Not reported  
Owner Phone: 2165919922  
Contact: DAN DANNER  
Contact Phone: (313) 758-6700  
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: Region 1 - SE Michigan District Office  
Tank ID: 3  
Capacity: 20000  
Tank Status: Removed from Ground  
Substance: Other(#5 FUEL OIL)  
Install Date: 01/01/1960

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**MIDWEST PAPER PRODUCTS (Continued)**

**U000715518**

Remove Date:	07/07/1992
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:	42.46351
Longitude:	-82.99822
Name:	MIDWEST PAPER PRODUCTS
Address:	12350 E 9 MILE RD
City,State,Zip:	WARREN 48089-2629
Facility Type:	CLOSED
Facility ID:	00035918
Owner Name:	MIDWEST PAPER PRODUCTS
Owner Address:	26055 EMERY RD SUITE E
Owner City:	WARRENSVILLE HTS
Owner State:	MI
Owner Zip:	44128
Owner Contact:	Not reported
Owner Phone:	2165919922
Contact:	DAN DANNER
Contact Phone:	(313) 758-6700
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:	Region 1 - SE Michigan District Office
Tank ID:	2
Capacity:	10000
Tank Status:	Removed from Ground
Substance:	Diesel
Install Date:	01/01/1981
Remove Date:	07/07/1992
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:	42.46351
Longitude:	-82.99822
Name:	MIDWEST PAPER PRODUCTS
Address:	12350 E 9 MILE RD
City,State,Zip:	WARREN 48089-2629
Facility Type:	CLOSED
Facility ID:	00035918

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**MIDWEST PAPER PRODUCTS (Continued)**

**U000715518**

Owner Name: MIDWEST PAPER PRODUCTS  
Owner Address: 26055 EMERY RD SUITE E  
Owner City: WARRENSVILLE HTS  
Owner State: MI  
Owner Zip: 44128  
Owner Contact: Not reported  
Owner Phone: 2165919922  
Contact: DAN DANNER  
Contact Phone: (313) 758-6700  
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: Region 1 - SE Michigan District Office  
Tank ID: 1  
Capacity: 10000  
Tank Status: Removed from Ground  
Substance: Gasoline  
Install Date: 01/01/1981  
Remove Date: 07/07/1992  
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: 42.46351  
Longitude: -82.99822

**94**  
**WSW**  
**1/4-1/2**  
**0.364 mi.**  
**1923 ft.**

**ALTERNATIVE TECHNOLOGIES**  
**21275 MULLIN AVENUE**  
**WARREN, MI 48089**

**MI INVENTORY** **S121186399**  
**MI BEA** **N/A**  
**MI VCP**

**Relative:**  
**Higher**  
**Actual:**  
**625 ft.**

INVENTORY:  
Name: ALTERNATIVE TECHNOLOGIES  
Address: 21275 MULLIN AVENUE  
City,State,Zip: WARREN, MI 48089  
Township: Not reported  
District: Warren  
Data Source: Risks Not Determined  
Lust Name: Not reported  
Regulatory Program: 201  
Release Status: Not reported  
Project Manager: Clor, Emily  
Latitude: 42.454602  
Longitude: -83.0117791

BEA:  
Name: ALTERNATIVE TECHNOLOGIES

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**ALTERNATIVE TECHNOLOGIES (Continued)**

**S121186399**

Address: 21275 MULLIN AVENUE  
City,State,Zip: WARREN, MI 48089  
Secondary Address: Not reported  
BEA Number: Not reported  
District: Not reported  
Date Received: 09/21/2017  
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: 50001268  
Submittal Type: Baseline Environmental Assessment  
Submittal Number: B201707867LV  
Approval Status: RRD Received  
Workflow Status: Submitted  
Date Submitted: 2017-10-04 14:30:06  
Date Completed: Not reported  
Township: Not reported  
Work Unit: Warren  
Comments: Not reported  
Organization: M&E Acquisitions  
Contact: James Bresko  
Contact Type: Submitter Contact  
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: ALTERNATIVE TECHNOLOGIES  
Address: 21275 MULLIN AVENUE  
City,State,Zip: WARREN, MI 48089  
Secondary Address: Not reported  
BEA Number: Not reported  
District: Not reported  
Date Received: 03/22/2019  
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: 50001268  
Submittal Type: Baseline Environmental Assessment  
Submittal Number: 50001268-BEA-1  
Approval Status: RRD Received  
Workflow Status: Submitted  
Date Submitted: 2019-03-25 10:38:17  
Date Completed: 3/3/2019

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

ALTERNATIVE TECHNOLOGIES (Continued)

S121186399

Township: Not reported  
Work Unit: Warren  
Comments: Not reported  
Organization: RK Warren, LLC  
Contact: Kapur, President, Ravi  
Contact Type: Prospective Owner  
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

VCP:

Location ID: 50001268  
Name: ALTERNATIVE TECHNOLOGIES  
Address: 21275 MULLIN AVENUE  
City,State,Zip: WARREN, MI 48089  
Location Type: Part 201 site  
Township: Not reported  
Work Unit: Warren  
Project Manager: Clor, Emily  
Risk Condition: Risks Not Determined  
Latitude: 42.454602  
Longitude: -83.0117791

95  
South  
1/4-1/2  
0.409 mi.  
2162 ft.

C.J LINK LUMBER CO  
11711 E 8 MILE RD  
WARREN, MI 48089

MI LUST U003103078  
MI UST N/A

Relative:  
Higher

Actual:  
625 ft.

LUST:

Name: C.J LINK LUMBER CO  
Address: 11711 E 8 MILE RD  
City,State,Zip: WARREN, MI 48089  
Facility ID: 18738  
Source: Not reported  
Owner Name: A HERZOG, JOHN  
Owner Address: Not reported  
Owner City,St,Zip: Not reported  
Owner Contact: Not reported  
Owner Phone: Not reported  
Country: Not reported  
District: Warren  
Site Name: C.j Link Lumber Co  
Latitude: 42.44929  
Longitude: -83.00398  
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

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**C.J LINK LUMBER CO (Continued)**

**U003103078**

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: 26159  
Release Date: 02/21/1996  
Substance Released: Not reported  
Release Status: Closed  
Release Closed Date: 02/18/1997

Leak Number: C-0100-96  
Release Date: 02/21/1996  
Substance Released: Gasoline  
Release Status: Closed  
Release Closed Date: 02/18/1997

**UST:**

Name: C.J LINK LUMBER CO  
Address: 11711 E 8 MILE RD  
City,State,Zip: WARREN 48089-3146  
Facility Type: CLOSED  
Facility ID: 00018738  
Owner Name: C.J LINK LUMBER CO  
Owner Address: PO BOX 1085  
Owner City: WARREN  
Owner State: MI  
Owner Zip: 48090-1085  
Owner Contact: Not reported  
Owner Phone: 8004629716  
Contact: JOE MARES  
Contact Phone: (810) 773-1200  
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: Region 1 - SE Michigan District Office  
Tank ID: 1  
Capacity: 1000  
Tank Status: Removed from Ground  
Substance: Gasoline  
Install Date: 04/25/1966  
Remove Date: 02/21/1996  
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

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**C.J LINK LUMBER CO (Continued)**

**U003103078**

Impressed Device: Not reported  
Latitude: 42.44929  
Longitude: -83.00398

**Z96**  
**North**  
**1/4-1/2**  
**0.416 mi.**  
**2195 ft.**

**SPEEDWAY #8871**  
**11700 E 9 MILE RD**  
**WARREN, MI 48089**  
**Site 1 of 3 in cluster Z**

**MI LUST** **U003323561**  
**MI UST** **N/A**  
**MI INVENTORY**

**Relative:**  
**Higher**

**Actual:**  
**625 ft.**

**LUST:**  
Name: SPEEDWAY #8871  
Address: 11700 E 9 MILE RD  
City,State,Zip: WARREN, MI 48089  
Facility ID: 16345  
Source: 24000  
Owner Name: Banas, Joe  
Owner Address: Not reported  
Owner City,St,Zip: Not reported  
Owner Contact: Not reported  
Owner Phone: 269-569-1527  
Country: Not reported  
District: Warren  
Site Name: Total Station #2503  
Latitude: 42.46310  
Longitude: -83.00507  
Date of Collection: Not reported  
Method of Collection: The geographic coordinate determination method based on interpolation-photo.  
Accuracy: 20  
Accuracy Value Unit: Not reported  
Horizontal Data: North American Datum of 1983  
Point Line Area: Center of a facility or station  
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: 15342  
Release Date: 10/19/1989  
Substance Released: Not reported  
Release Status: Closed  
Release Closed Date: 10/11/1999  
  
Leak Number: 19132  
Release Date: 02/28/1992  
Substance Released: Not reported  
Release Status: Closed  
Release Closed Date: 10/07/1999  
  
Leak Number: C-0328-92  
Release Date: 03/02/1992  
Substance Released: Unknown  
Release Status: Closed  
Release Closed Date: 10/07/1999

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**SPEEDWAY #8871 (Continued)**

**U003323561**

Leak Number: C-0698-89  
Release Date: 10/19/1989  
Substance Released: Not reported  
Release Status: Closed  
Release Closed Date: 10/11/1999

**UST:**

Name: SPEEDWAY #8871  
Address: 11700 E 9 MILE RD  
City,State,Zip: WARREN 48089-2587  
Facility Type: CLOSED  
Facility ID: 00016345  
Owner Name: SPEEDWAY LLC  
Owner Address: PO BOX 1500  
Owner City: SPRINGFIELD  
Owner State: OH  
Owner Zip: 45501  
Owner Contact: Not reported  
Owner Phone: 9378643000  
Contact: Keith Hughes  
Contact Phone: (937) 863-7642  
Date of Collection: 11/07/2005  
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: GPS Code Meas. Standard Positioning Service SA Off  
District: Region 1 - SE Michigan District Office  
Tank ID: 8  
Capacity: 6000  
Tank Status: Removed from Ground  
Substance: Diesel  
Install Date: 05/01/1992  
Remove Date: 08/04/2010  
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: 42.46299  
Longitude: -83.00522

Name: SPEEDWAY #8871  
Address: 11700 E 9 MILE RD  
City,State,Zip: WARREN 48089-2587  
Facility Type: CLOSED  
Facility ID: 00016345  
Owner Name: SPEEDWAY LLC  
Owner Address: PO BOX 1500  
Owner City: SPRINGFIELD  
Owner State: OH  
Owner Zip: 45501  
Owner Contact: Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**SPEEDWAY #8871 (Continued)**

**U003323561**

Owner Phone:	9378643000
Contact:	Keith Hughes
Contact Phone:	(937) 863-7642
Date of Collection:	11/07/2005
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:	GPS Code Meas. Standard Positioning Service SA Off
District:	Region 1 - SE Michigan District Office
Tank ID:	7
Capacity:	8000
Tank Status:	Removed from Ground
Substance:	Gasoline
Install Date:	05/01/1992
Remove Date:	08/04/2010
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:	42.46299
Longitude:	-83.00522
Name:	SPEEDWAY #8871
Address:	11700 E 9 MILE RD
City,State,Zip:	WARREN 48089-2587
Facility Type:	CLOSED
Facility ID:	00016345
Owner Name:	SPEEDWAY LLC
Owner Address:	PO BOX 1500
Owner City:	SPRINGFIELD
Owner State:	OH
Owner Zip:	45501
Owner Contact:	Not reported
Owner Phone:	9378643000
Contact:	Keith Hughes
Contact Phone:	(937) 863-7642
Date of Collection:	11/07/2005
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:	GPS Code Meas. Standard Positioning Service SA Off
District:	Region 1 - SE Michigan District Office
Tank ID:	6
Capacity:	8000
Tank Status:	Removed from Ground
Substance:	Gasoline
Install Date:	05/01/1992

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**SPEEDWAY #8871 (Continued)**

**U003323561**

Remove Date:	08/04/2010
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:	42.46299
Longitude:	-83.00522
Name:	SPEEDWAY #8871
Address:	11700 E 9 MILE RD
City,State,Zip:	WARREN 48089-2587
Facility Type:	CLOSED
Facility ID:	00016345
Owner Name:	SPEEDWAY LLC
Owner Address:	PO BOX 1500
Owner City:	SPRINGFIELD
Owner State:	OH
Owner Zip:	45501
Owner Contact:	Not reported
Owner Phone:	9378643000
Contact:	Keith Hughes
Contact Phone:	(937) 863-7642
Date of Collection:	11/07/2005
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:	GPS Code Meas. Standard Positioning Service SA Off
District:	Region 1 - SE Michigan District Office
Tank ID:	5
Capacity:	12000
Tank Status:	Removed from Ground
Substance:	Gasoline
Install Date:	05/01/1992
Remove Date:	08/04/2010
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:	42.46299
Longitude:	-83.00522
Name:	SPEEDWAY #8871
Address:	11700 E 9 MILE RD
City,State,Zip:	WARREN 48089-2587
Facility Type:	CLOSED
Facility ID:	00016345

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**SPEEDWAY #8871 (Continued)**

**U003323561**

Owner Name: SPEEDWAY LLC  
Owner Address: PO BOX 1500  
Owner City: SPRINGFIELD  
Owner State: OH  
Owner Zip: 45501  
Owner Contact: Not reported  
Owner Phone: 9378643000  
Contact: Keith Hughes  
Contact Phone: (937) 863-7642  
Date of Collection: 11/07/2005  
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: GPS Code Meas. Standard Positioning Service SA Off  
District: Region 1 - SE Michigan District Office  
Tank ID: 4  
Capacity: 10000  
Tank Status: Removed from Ground  
Substance: Gasoline  
Install Date: 04/22/1971  
Remove Date: 06/01/1992  
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: 42.46299  
Longitude: -83.00522

Name: SPEEDWAY #8871  
Address: 11700 E 9 MILE RD  
City,State,Zip: WARREN 48089-2587  
Facility Type: CLOSED  
Facility ID: 00016345  
Owner Name: SPEEDWAY LLC  
Owner Address: PO BOX 1500  
Owner City: SPRINGFIELD  
Owner State: OH  
Owner Zip: 45501  
Owner Contact: Not reported  
Owner Phone: 9378643000  
Contact: Keith Hughes  
Contact Phone: (937) 863-7642  
Date of Collection: 11/07/2005  
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: GPS Code Meas. Standard Positioning Service SA Off

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**SPEEDWAY #8871 (Continued)**

**U003323561**

District:	Region 1 - SE Michigan District Office
Tank ID:	3
Capacity:	10000
Tank Status:	Removed from Ground
Substance:	Gasoline
Install Date:	04/22/1971
Remove Date:	06/01/1992
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:	42.46299
Longitude:	-83.00522
Name:	SPEEDWAY #8871
Address:	11700 E 9 MILE RD
City,State,Zip:	WARREN 48089-2587
Facility Type:	CLOSED
Facility ID:	00016345
Owner Name:	SPEEDWAY LLC
Owner Address:	PO BOX 1500
Owner City:	SPRINGFIELD
Owner State:	OH
Owner Zip:	45501
Owner Contact:	Not reported
Owner Phone:	9378643000
Contact:	Keith Hughes
Contact Phone:	(937) 863-7642
Date of Collection:	11/07/2005
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:	GPS Code Meas. Standard Positioning Service SA Off
District:	Region 1 - SE Michigan District Office
Tank ID:	2
Capacity:	10000
Tank Status:	Removed from Ground
Substance:	Gasoline
Install Date:	04/22/1971
Remove Date:	06/01/1992
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:	42.46299
Longitude:	-83.00522

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**SPEEDWAY #8871 (Continued)**

**U003323561**

Name: SPEEDWAY #8871  
Address: 11700 E 9 MILE RD  
City,State,Zip: WARREN 48089-2587  
Facility Type: CLOSED  
Facility ID: 00016345  
Owner Name: SPEEDWAY LLC  
Owner Address: PO BOX 1500  
Owner City: SPRINGFIELD  
Owner State: OH  
Owner Zip: 45501  
Owner Contact: Not reported  
Owner Phone: 9378643000  
Contact: Keith Hughes  
Contact Phone: (937) 863-7642  
Date of Collection: 11/07/2005  
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: GPS Code Meas. Standard Positioning Service SA Off  
District: Region 1 - SE Michigan District Office  
Tank ID: 1  
Capacity: 10000  
Tank Status: Removed from Ground  
Substance: Gasoline  
Install Date: 04/22/1971  
Remove Date: 06/01/1992  
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: 42.46299  
Longitude: -83.00522

**INVENTORY:**

Name: SPEEDWAY #8871  
Address: 11700 E 9 MILE RD  
City,State,Zip: WARREN, MI 48089  
Township: Not reported  
District: Warren  
Data Source: Risk Controlled  
Lust Name: Total Station #2503  
Regulatory Program: 213  
Release Status: Closed  
Project Manager: Ethridge, Kimberly  
Latitude: 42.46310563  
Longitude: -83.00507794

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

EDR ID Number  
EPA ID Number

**Z97**  
**NNW**  
**1/4-1/2**  
**0.423 mi.**  
**2233 ft.**

**MR MIKE ST PIERRE**  
**22983 HOOVER RD**  
**WARREN, MI 48089**

**Site 2 of 3 in cluster Z**

**MI LUST**  
**MI UST**  
**MI INVENTORY**  
**MI WDS**

**U002302074**  
**N/A**

**Relative:**  
**Lower**

**LUST:**

**Actual:**  
**624 ft.**

Name: MR MIKE ST PIERRE  
Address: 22983 HOOVER RD  
City,State,Zip: WARREN, MI 48089  
Facility ID: 38367  
Source: 24000  
Owner Name: DAVILA, RAY  
Owner Address: Not reported  
Owner City,St,Zip: Not reported  
Owner Contact: Not reported  
Owner Phone: Not reported  
Country: Not reported  
District: Warren  
Site Name: Hoover-9 Service  
Latitude: 42.46319  
Longitude: -83.00605  
Date of Collection: Not reported  
Method of Collection: The geographic coordinate determination method based on interpolation-photo.  
Accuracy: 20  
Accuracy Value Unit: Not reported  
Horizontal Data: North American Datum of 1983  
Point Line Area: Center of a facility or station  
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: 24454  
Release Date: 11/14/1994  
Substance Released: Not reported  
Release Status: Open  
Release Closed Date: Not reported

Leak Number: C-1363-94  
Release Date: 11/14/1994  
Substance Released: Gasoline  
Release Status: Open  
Release Closed Date: Not reported

**UST:**

Name: MR MIKE ST PIERRE  
Address: 22983 HOOVER RD  
City,State,Zip: WARREN 48089-2540  
Facility Type: CLOSED  
Facility ID: 00038367  
Owner Name: MR MIKE ST PIERRE  
Owner Address: 22983 HOOVER RD  
Owner City: WARREN  
Owner State: MI  
Owner Zip: 48089-2540

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**MR MIKE ST PIERRE (Continued)**

**U002302074**

Owner Contact: Not reported  
Owner Phone: 8107579813  
Contact: MIKE ST PIERRE  
Contact Phone: (810) 757-9813  
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: Region 1 - SE Michigan District Office  
Tank ID: 1  
Capacity: 1500  
Tank Status: Removed from Ground  
Substance: Used Oil  
Install Date: Not reported  
Remove Date: 11/30/1994  
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: 42.46328  
Longitude: -83.00603

**INVENTORY:**

Name: MR MIKE ST PIERRE  
Address: 22983 HOOVER RD  
City,State,Zip: WARREN, MI 48089  
Township: Not reported  
District: Warren  
Data Source: Risks Present and Require Action in Long-term  
Lust Name: Hoover-9 Service  
Regulatory Program: 213  
Release Status: Open  
Project Manager: Adolphues, Ira  
Latitude: 42.4631993  
Longitude: -83.00605891

**WDS:**

Name: HOOVER 9 SERVICE  
Address: 22983 HOOVER RD  
City,State,Zip: WARREN, MI 48089  
Site Id: MID000675462  
WMD Id: 392160  
Site Specific Name: HOOVER 9 SERVICE  
Mailing Address: 22983 HOOVER RD  
Mailing City/State/Zip: 48089  
Mailing County: MACOMB

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

EDR ID Number  
EPA ID Number

	Site	Database(s)	
<b>AA98</b>	<b>21826-21914 SCHMEMAN AVENUE, WARREN</b>	<b>MI INVENTORY</b>	<b>S129190842</b>
<b>East</b>	<b>21826 SCHMEMAN AVENUE</b>	<b>MI VCP</b>	<b>N/A</b>
<b>1/4-1/2</b>	<b>WARREN, MI 48089</b>		
<b>0.423 mi.</b>			
<b>2236 ft.</b>	<b>Site 1 of 2 in cluster AA</b>		

<b>Relative:</b>	INVENTORY:	
<b>Higher</b>	Name:	21826-21914 SCHMEMAN AVENUE, WARREN
	Address:	21826 SCHMEMAN AVENUE
<b>Actual:</b>	City,State,Zip:	WARREN, MI 48089
<b>625 ft.</b>	Township:	Not reported
	District:	Warren
	Data Source:	Risks Not Determined
	Lust Name:	Not reported
	Regulatory Program:	201
	Release Status:	Not reported
	Project Manager:	Adolphues, Ira
	Latitude:	42.45879379
	Longitude:	-82.9933825

VCP:	
Location ID:	50500541
Name:	21826-21914 SCHMEMAN AVENUE, WARREN
Address:	21826 SCHMEMAN AVENUE
City,State,Zip:	WARREN, MI 48089
Location Type:	Part 201 site
Township:	Not reported
Work Unit:	Warren
Project Manager:	Adolphues, Ira
Risk Condition:	Risks Not Determined
Latitude:	42.45879379
Longitude:	-82.9933825

<b>AA99</b>	<b>21826-21914 SCHMEMAN AVENUE, WARREN</b>	<b>MI BEA</b>	<b>S129290475</b>
<b>East</b>	<b>21826 SCHMEMAN AVENUE</b>		<b>N/A</b>
<b>1/4-1/2</b>	<b>WARREN, MI</b>		
<b>0.423 mi.</b>			
<b>2236 ft.</b>	<b>Site 2 of 2 in cluster AA</b>		

<b>Relative:</b>	BEA:	
<b>Higher</b>	Name:	21826-21914 SCHMEMAN AVENUE, WARREN
	Address:	21826 SCHMEMAN AVENUE
<b>Actual:</b>	City,State,Zip:	WARREN, MI
<b>625 ft.</b>	Secondary Address:	Not reported
	BEA Number:	Not reported
	District:	Not reported
	Date Received:	11/22/2022
	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:	50500541
	Submittal Type:	BEA
	Submittal Number:	50500541-BEA-1
	Approval Status:	In Review
	Workflow Status:	Submitted

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**21826-21914 SCHMEMAN AVENUE, WARREN (Continued)**

**S129290475**

Date Submitted: 2022-12-07 14:57:34  
Date Completed: Not reported  
Township: Not reported  
Work Unit: Warren  
Comments: Not reported  
Organization: Mumford LLC  
Contact: Hertzog, Scott  
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

**100  
SSE  
1/4-1/2  
0.427 mi.  
2257 ft.**

**CENTRAL METAL PRODUCTS  
12255 E 8 MILE  
WARREN, MI 48089**

**MI LUST 1004531283  
MI UST N/A  
FINDS  
ECHO  
MI BEA**

**Relative:  
Higher**

**LUST:**

**Actual:  
625 ft.**

Name: CENTRAL METAL  
Address: 12255 E 8 MILE RD  
City,State,Zip: WARREN, MI 48089  
Facility ID: 37685  
Source: Not reported  
Owner Name: BROOKS, JIM  
Owner Address: Not reported  
Owner City,St,Zip: Not reported  
Owner Contact: Not reported  
Owner Phone: Not reported  
Country: Not reported  
District: Warren  
Site Name: Central Metal  
Latitude: 42.44938  
Longitude: -83.00090  
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: 22707  
Release Date: 09/20/1993  
Substance Released: Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**CENTRAL METAL PRODUCTS (Continued)**

**1004531283**

Release Status: Closed  
Release Closed Date: 09/25/1995

Leak Number: C-1158-93  
Release Date: 09/20/1993  
Substance Released: Used Oil  
Release Status: Closed  
Release Closed Date: 09/25/1995

**UST:**

Name: CENTRAL METAL  
Address: 12255 E 8 MILE RD  
City,State,Zip: WARREN 48089-3148  
Facility Type: CLOSED  
Facility ID: 00037685  
Owner Name: RON BELLISARIO  
Owner Address: 1435 RANDOLPH ST SUITE 500  
Owner City: DETROIT  
Owner State: MI  
Owner Zip: 48226  
Owner Contact: Not reported  
Owner Phone: 3139615300  
Contact: RON BELLISARIO  
Contact Phone: (313) 961-5300  
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: Region 1 - SE Michigan District Office  
Tank ID: 1  
Capacity: Not reported  
Tank Status: Removed from Ground  
Substance: Used Oil  
Install Date: Not reported  
Remove Date: 09/24/1993  
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: 42.44938  
Longitude: -83.00090

**FINDS:**

Registry ID: 110007224798

[Click Here for FRS Facility Detail Report:](#)

**Environmental Interest/Information System:**

AFS (Aerometric Information Retrieval System (AIRS) Facility  
Subsystem) replaces the former Compliance Data System (CDS), the

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**CENTRAL METAL PRODUCTS (Continued)**

**1004531283**

National Emission Data System (NEDS), and the Storage and Retrieval of Aerometric Data (SAROAD). AIRS is the national repository for information concerning airborne pollution in the United States. AFS is used to track emissions and compliance data from industrial plants. AFS data are utilized by states to prepare State Implementation Plans to comply with regulatory programs and by EPA as an input for the estimation of total national emissions. AFS is undergoing a major redesign to support facility operating permits required under Title V of the Clean Air Act.

AIR EMISSIONS CLASSIFICATION UNKNOWN  
AIR MINOR

[Click this hyperlink](#) while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

**ECHO:**

Envid:	1004531283
Registry ID:	110007224798
DFR URL:	<a href="http://echo.epa.gov/detailed-facility-report?fid=110007224798">http://echo.epa.gov/detailed-facility-report?fid=110007224798</a>
Name:	CENTRAL METAL PRODUCTS
Address:	12255 E 8 MILE
City,State,Zip:	WARREN, MI 48089

**BEA:**

Name:	CENTRAL METAL
Address:	12255 E 8 MILE RD
City,State,Zip:	WARREN, MI 48089
Secondary Address:	Not reported
BEA Number:	Not reported
District:	Not reported
Date Received:	10/25/2017
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:	00037685
Submittal Type:	Baseline Environmental Assessment
Submittal Number:	B201707902LV
Approval Status:	RRD Received
Workflow Status:	Submitted
Date Submitted:	2017-10-27 10:27:17
Date Completed:	Not reported
Township:	Not reported
Work Unit:	Warren
Comments:	Associated with Facility ID #37685. BEA Report submitted on CD.
Organization:	JZ Management Corporation
Contact:	McDowell & Associates
Contact Type:	Submitter Contact
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

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**CENTRAL METAL PRODUCTS (Continued)**

**1004531283**

Contact City: Not reported  
Contact Zip Code: Not reported  
Contact State: Not reported

**101**  
**North**  
**1/4-1/2**  
**0.429 mi.**  
**2264 ft.**

**CONDOR MANUFACTURING INC**  
**11800 E 9 MILE RD**  
**WARREN, MI 48089**

**MI LUST** **U003319245**  
**MI UST** **N/A**  
**MI WDS**

**Relative:**  
**Higher**

**LUST:**

**Actual:**  
**625 ft.**

Name: CONDOR MANUFACTURING INC  
Address: 11800 E 9 MILE RD  
City,State,Zip: WARREN, MI 48089  
Facility ID: 283  
Source: Not reported  
Owner Name: Matheny, Scott  
Owner Address: Not reported  
Owner City,St,Zip: Not reported  
Owner Contact: Not reported  
Owner Phone: 906-250-3505  
Country: Not reported  
District: Warren  
Site Name: Condor Manufacturing Inc  
Latitude: 42.46334  
Longitude: -83.00276  
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: 30248  
Release Date: 04/08/1999  
Substance Released: Not reported  
Release Status: Closed  
Release Closed Date: 11/12/1999

Leak Number: C-0337-99  
Release Date: 04/08/1999  
Substance Released: Unknown  
Release Status: Closed  
Release Closed Date: 11/12/1999

**UST:**

Name: CONDOR MANUFACTURING INC  
Address: 11800 E 9 MILE RD  
City,State,Zip: WARREN 48089-2588  
Facility Type: CLOSED

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**CONDOR MANUFACTURING INC (Continued)**

**U003319245**

Facility ID: 00000283  
Owner Name: CONDOR MFG INC  
Owner Address: 11800 E 9 MILE RD  
Owner City: WARREN  
Owner State: MI  
Owner Zip: 48089-2588  
Owner Contact: Not reported  
Owner Phone: 8105369174  
Contact: WARD MOLITOR  
Contact Phone: (810) 756-9400  
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: Region 1 - SE Michigan District Office  
Tank ID: 3  
Capacity: 2000  
Tank Status: Removed from Ground  
Substance: Used Oil  
Install Date: 06/25/1966  
Remove Date: 04/08/1999  
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: 42.46334  
Longitude: -83.00276

Name: CONDOR MANUFACTURING INC  
Address: 11800 E 9 MILE RD  
City,State,Zip: WARREN 48089-2588  
Facility Type: CLOSED  
Facility ID: 00000283  
Owner Name: CONDOR MFG INC  
Owner Address: 11800 E 9 MILE RD  
Owner City: WARREN  
Owner State: MI  
Owner Zip: 48089-2588  
Owner Contact: Not reported  
Owner Phone: 8105369174  
Contact: WARD MOLITOR  
Contact Phone: (810) 756-9400  
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)

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**CONDOR MANUFACTURING INC (Continued)**

**U003319245**

Method of Collection: Address Matching-House Number  
District: Region 1 - SE Michigan District Office  
Tank ID: 2  
Capacity: 2000  
Tank Status: Removed from Ground  
Substance: Used Oil  
Install Date: 06/25/1966  
Remove Date: 04/08/1999  
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: 42.46334  
Longitude: -83.00276

Name: CONDOR MANUFACTURING INC  
Address: 11800 E 9 MILE RD  
City,State,Zip: WARREN 48089-2588  
Facility Type: CLOSED  
Facility ID: 00000283  
Owner Name: CONDOR MFG INC  
Owner Address: 11800 E 9 MILE RD  
Owner City: WARREN  
Owner State: MI  
Owner Zip: 48089-2588  
Owner Contact: Not reported  
Owner Phone: 8105369174  
Contact: WARD MOLITOR  
Contact Phone: (810) 756-9400  
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: Region 1 - SE Michigan District Office  
Tank ID: 1  
Capacity: 6000  
Tank Status: Removed from Ground  
Substance: Gasoline  
Install Date: 06/25/1981  
Remove Date: 04/08/1999  
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: 42.46334

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**CONDOR MANUFACTURING INC (Continued)**

**U003319245**

Longitude: -83.00276

**WDS:**

Name: CONDOR MFG INC  
Address: 11800 E 9 MILE RD  
City,State,Zip: WARREN, MI 48089  
Site Id: MIG000001534  
WMD Id: 418922  
Site Specific Name: CONDOR MFG INC  
Mailing Address: 11800 E 9 MILE RD  
Mailing City/State/Zip: 48089  
Mailing County: MACOMB

**102  
ENE  
1/4-1/2  
0.431 mi.  
2276 ft.**

**22415 GROESBECK HIGHWAY  
22415 GROESBECK HIGHWAY  
MACOMB (County), MI 48089**

**MI INVENTORY  
MI BEA  
MI VCP**

**S118188422  
N/A**

**Relative:  
Higher**

**INVENTORY:**

**Actual:  
625 ft.**

Name: 22415 GROESBECK HIGHWAY  
Address: 22415 GROESBECK HIGHWAY  
City,State,Zip: MI 48089  
Township: Not reported  
District: Warren  
Data Source: Risks Not Determined  
Lust Name: Not reported  
Regulatory Program: 201  
Release Status: Not reported  
Project Manager: Owens, Paul  
Latitude: 42.460555  
Longitude: -82.994036

**BEA:**

Name: 22415 GROESBECK HIGHWAY  
Address: 22415 GROESBECK HIGHWAY  
City,State,Zip: MI 48089  
Secondary Address: Not reported  
BEA Number: Not reported  
District: Not reported  
Date Received: 08/26/2015  
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: 50500173  
Submittal Type: Baseline Environmental Assessment  
Submittal Number: B201506655LV  
Approval Status: RRD Received  
Workflow Status: Submitted  
Date Submitted: 2015-09-02 11:20:28  
Date Completed: 8/10/2015  
Township: Not reported  
Work Unit: Warren

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**22415 GROESBECK HIGHWAY (Continued)**

**S118188422**

Comments: BEA Report received on CD. Sent to Lansing for scanning February 2020.  
Organization: 22415 Groesbeck LLC  
Contact: ASTI Environmental  
Contact Type: Submitter Contact  
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

VCP:

Location ID: 50500173  
Name: 22415 GROESBECK HIGHWAY  
Address: 22415 GROESBECK HIGHWAY  
City,State,Zip: MI 48089  
Location Type: Part 201 site  
Township: Not reported  
Work Unit: Warren  
Project Manager: Owens, Paul  
Risk Condition: Risks Not Determined  
Latitude: 42.460555  
Longitude: -82.994036

103  
SSW  
1/4-1/2  
0.434 mi.  
2294 ft.

**ROYAL CARPET DISTRIBUTORS  
20750 HOOVER RD  
WARREN, MI 48089**

**MI LUST U003324734  
MI UST N/A  
MI WDS**

**Relative:  
Higher**

**Actual:  
625 ft.**

LUST:

Name: ROYAL CARPET DISTRIBUTORS  
Address: 20750 HOOVER RD  
City,State,Zip: WARREN, MI 48089  
Facility ID: 20986  
Source: Not reported  
Owner Name: Owner, Nrt  
Owner Address: Not reported  
Owner City,St,Zip: Not reported  
Owner Contact: Not reported  
Owner Phone: Not reported  
Country: Not reported  
District: Warren  
Site Name: Royal Carpet Distributors  
Latitude: 42.44921  
Longitude: -83.00665  
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

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**ROYAL CARPET DISTRIBUTORS (Continued)**

**U003324734**

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: 31038  
Release Date: 05/13/1999  
Substance Released: Not reported  
Release Status: Closed  
Release Closed Date: 07/29/1999

Leak Number: C-0459-99  
Release Date: 05/13/1999  
Substance Released: Unknown  
Release Status: Closed  
Release Closed Date: 07/29/1999

**UST:**

Name: ROYAL CARPET DISTRIBUTORS  
Address: 20750 HOOVER RD  
City,State,Zip: WARREN 48089-3101  
Facility Type: CLOSED  
Facility ID: 00020986  
Owner Name: ROYAL CARPET DISTRIBUTORS  
Owner Address: 20750 HOOVER RD  
Owner City: WARREN  
Owner State: MI  
Owner Zip: 48089-3101  
Owner Contact: Not reported  
Owner Phone: 3137562400  
Contact: RICK PETERSON  
Contact Phone: (810) 756-2400  
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: Region 1 - SE Michigan District Office  
Tank ID: 1  
Capacity: 6000  
Tank Status: Removed from Ground  
Substance: Diesel  
Install Date: 12/09/1986  
Remove Date: 05/11/1999  
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: 42.44921

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**ROYAL CARPET DISTRIBUTORS (Continued)**

**U003324734**

Longitude: -83.00665

**WDS:**

Name: ROYAL CARPET  
Address: 20750 HOOVER RD  
City,State,Zip: WARREN, MI 48089  
Site Id: MIG000057160  
WMD Id: 426669  
Site Specific Name: ROYAL CARPET  
Mailing Address: 20750 HOOVER RD  
Mailing City/State/Zip: 48089  
Mailing County: MACOMB

**Z104**  
**North**  
**1/4-1/2**  
**0.437 mi.**  
**2309 ft.**

**TOTAL STATION #2503**  
**11700 NINE MILE ROAD**  
**WARREN, MI 48089**  
**Site 3 of 3 in cluster Z**

**MI AUL S109847015**  
**N/A**

**Relative:**  
**Higher**

**Actual:**  
**625 ft.**

**AUL:**

Name: TOTAL STATION #2503  
Address: 11700 NINE MILE ROAD  
City,State,Zip: WARREN, MI 48089  
Status: Recorded  
Site Name: Not reported  
Property: Total Station #2503  
Land Use Restriction Type: NCA  
Program Type: Part 213  
Program Support Assigned User: Nicholas Ekel  
Program Support Assigned Date: 09/16/2010  
Legal Description Of Property: Migrated  
Based On The Deq Ref #: 12121304099  
MDEQ Reference Number: NCA-RRD-213-04-099  
Property Or Description Restricted Area: Migrated  
Lead Division: STD  
File Name Of Hyperlinked Legal Doc: U:\\\\KERMIT\\12121304099.PDF  
Mapped Polygons Area In Acres: 1.3068  
Mapped Polygons Area In Square Miles: 0.002  
Date Data Entry Started: 05/20/2011  
Date Data Entry Finished: 05/20/2011  
Individual Or Staff Assoc With The Mapping: Nicholas Ekel  
Program Used To Map Restricted Features: ArcINFO 9.3 & IcoMAP 4.2  
Date Legal Paperwork Stamped/Filed/Register Of Deeds: 05/04/1999  
Commercial I Land Use Restriction: 0  
Commercial Ii Land Use Restriction: 0  
Commercial Iii Land Use Restriction: 1  
Commercial Iv Land Use Restriction: 0  
Industrial Land Use Restriction: 0  
Residential Land Use Restriction: 0  
Recreational Land Use Restriction: 0  
Multiple Land-Use Restrictions: 0  
Site Specific Restrictions: 0  
Groundwater Consumption Restrictions: 0  
Groundwater Contact Restrictions: 0  
Special Well Construction Requirements: 0  
Special Building Restrictions: 0  
Excavation And Soil Movement Restrictions: 0

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**TOTAL STATION #2503 (Continued)**

**S109847015**

Soil Movement Requirements: 0  
There Is A Restriction On All Construction: 0  
Monitoring Well Protected, No Tampering Or Removal: 0  
There Is An Exposure Barrier In Place: 0  
There Is A Health And Safety Plan: 0  
There Is A Permanent Marker On The Site: 0  
Comment: Request received on 7/6/2004  
Map Comments: 20100916 - LRUR is NOT mapped in KERMIT - Nick Ekel 20110520 - LRUR is mapped in KERMIT - Nick Ekel

**AB105**  
**North**  
**1/4-1/2**  
**0.445 mi.**  
**2347 ft.**

**9 MILE & HOOVER**  
**11955 E 9 MILE RD**  
**WARREN, MI 48089**  
**Site 1 of 3 in cluster AB**

**MI LUST** **U003330061**  
**MI UST** **N/A**

**Relative:**  
**Higher**  
**Actual:**  
**625 ft.**

**LUST:**  
Name: 9 MILE & HOOVER  
Address: 11955 E 9 MILE RD  
City,State,Zip: WARREN, MI 48089  
Facility ID: 15096  
Source: Not reported  
Owner Name: Sietsema, Chad  
Owner Address: Not reported  
Owner City,St,Zip: Not reported  
Owner Contact: Not reported  
Owner Phone: 616-550-1352  
Country: Not reported  
District: Warren  
Site Name: Universal Truck Load Services Inc  
Latitude: 42.46449  
Longitude: -83.00096  
Date of Collection: Not reported  
Method of Collection: The geographic coordinate determination method based on GPS code measurements (pseudo range) standard positioning service (SA Off).  
Accuracy: 100  
Accuracy Value Unit: Not reported  
Horizontal Data: North American Datum of 1983  
Point Line Area: Center of a facility or station  
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: 10996  
Release Date: 03/29/2012  
Substance Released: Diesel  
Release Status: Closed  
Release Closed Date: 05/18/2015  
  
Leak Number: 10996  
Release Date: 03/29/2012  
Substance Released: Gasoline  
Release Status: Closed  
Release Closed Date: 05/18/2015

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**9 MILE & HOOVER (Continued)**

**U003330061**

Leak Number: 10996  
Release Date: 03/29/2012  
Substance Released: Gasoline  
Release Status: Closed  
Release Closed Date: 05/18/2015

Leak Number: 10996  
Release Date: 03/29/2012  
Substance Released: Gasoline  
Release Status: Closed  
Release Closed Date: 05/18/2015

Leak Number: 15201  
Release Date: 02/02/1990  
Substance Released: Not reported  
Release Status: Closed  
Release Closed Date: 12/02/1991

Leak Number: 2650  
Release Date: 10/30/1991  
Substance Released: Not reported  
Release Status: Closed  
Release Closed Date: 01/30/1992

**UST:**

Name: UNIVERSAL TRUCK LOAD SERVICES INC  
Address: 11955 E 9 MILE RD  
City,State,Zip: WARREN 48089-3703  
Facility Type: CLOSED  
Facility ID: 00015096  
Owner Name: UTSI FINANCE INC  
Owner Address: 12755 EAST 9 MILE RD  
Owner City: WARREN  
Owner State: MI  
Owner Zip: 48089  
Owner Contact: Not reported  
Owner Phone: 5869200100  
Contact: Reno Torres  
Contact Phone: (586) 939-7000  
Date of Collection: 10/21/2003  
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: GPS Code Meas. Standard Positioning Service SA Off  
District: Region 1 - SE Michigan District Office  
Tank ID: 9  
Capacity: 3000  
Tank Status: Removed from Ground  
Substance: Gasoline  
Install Date: 04/02/1986  
Remove Date: 07/25/2011  
Tank Number: Not reported  
Tank Details Compartments: Not reported  
Tank Release Detection: Not reported  
Pipe Release Detection: Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**9 MILE & HOOVER (Continued)**

**U003330061**

Piping Material:	Not reported
Piping Type:	Not reported
Tank Construction:	Not reported
Impressed Device:	Not reported
Latitude:	42.46448
Longitude:	-83.00096
Name:	UNIVERSAL TRUCK LOAD SERVICES INC
Address:	11955 E 9 MILE RD
City,State,Zip:	WARREN 48089-3703
Facility Type:	CLOSED
Facility ID:	00015096
Owner Name:	UTSI FINANCE INC
Owner Address:	12755 EAST 9 MILE RD
Owner City:	WARREN
Owner State:	MI
Owner Zip:	48089
Owner Contact:	Not reported
Owner Phone:	5869200100
Contact:	Reno Torres
Contact Phone:	(586) 939-7000
Date of Collection:	10/21/2003
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:	GPS Code Meas. Standard Positioning Service SA Off
District:	Region 1 - SE Michigan District Office
Tank ID:	8
Capacity:	3000
Tank Status:	Removed from Ground
Substance:	Diesel
Install Date:	04/02/1986
Remove Date:	07/25/2011
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:	42.46448
Longitude:	-83.00096
Name:	UNIVERSAL TRUCK LOAD SERVICES INC
Address:	11955 E 9 MILE RD
City,State,Zip:	WARREN 48089-3703
Facility Type:	CLOSED
Facility ID:	00015096
Owner Name:	UTSI FINANCE INC
Owner Address:	12755 EAST 9 MILE RD
Owner City:	WARREN
Owner State:	MI
Owner Zip:	48089

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**9 MILE & HOOVER (Continued)**

**U003330061**

Owner Contact: Not reported  
Owner Phone: 5869200100  
Contact: Reno Torres  
Contact Phone: (586) 939-7000  
Date of Collection: 10/21/2003  
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: GPS Code Meas. Standard Positioning Service SA Off  
District: Region 1 - SE Michigan District Office  
Tank ID: 7  
Capacity: 10000  
Tank Status: Closed in Ground  
Substance: Gasoline  
Install Date: 04/02/1946  
Remove Date: 01/01/1965  
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: 42.46448  
Longitude: -83.00096

Name: UNIVERSAL TRUCK LOAD SERVICES INC  
Address: 11955 E 9 MILE RD  
City,State,Zip: WARREN 48089-3703  
Facility Type: CLOSED  
Facility ID: 00015096  
Owner Name: UTSI FINANCE INC  
Owner Address: 12755 EAST 9 MILE RD  
Owner City: WARREN  
Owner State: MI  
Owner Zip: 48089  
Owner Contact: Not reported  
Owner Phone: 5869200100  
Contact: Reno Torres  
Contact Phone: (586) 939-7000  
Date of Collection: 10/21/2003  
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: GPS Code Meas. Standard Positioning Service SA Off  
District: Region 1 - SE Michigan District Office  
Tank ID: 6  
Capacity: 10000  
Tank Status: Closed in Ground  
Substance: Gasoline

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**9 MILE & HOOVER (Continued)**

**U003330061**

Install Date: 04/02/1946  
Remove Date: 01/01/1965  
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: 42.46448  
Longitude: -83.00096

Name: UNIVERSAL TRUCK LOAD SERVICES INC  
Address: 11955 E 9 MILE RD  
City,State,Zip: WARREN 48089-3703  
Facility Type: CLOSED  
Facility ID: 00015096  
Owner Name: UTSI FINANCE INC  
Owner Address: 12755 EAST 9 MILE RD  
Owner City: WARREN  
Owner State: MI  
Owner Zip: 48089  
Owner Contact: Not reported  
Owner Phone: 5869200100  
Contact: Reno Torres  
Contact Phone: (586) 939-7000  
Date of Collection: 10/21/2003  
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: GPS Code Meas. Standard Positioning Service SA Off  
District: Region 1 - SE Michigan District Office  
Tank ID: 5  
Capacity: 10000  
Tank Status: Closed in Ground  
Substance: Gasoline  
Install Date: 04/02/1946  
Remove Date: 01/01/1965  
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: 42.46448  
Longitude: -83.00096

Name: UNIVERSAL TRUCK LOAD SERVICES INC  
Address: 11955 E 9 MILE RD  
City,State,Zip: WARREN 48089-3703  
Facility Type: CLOSED

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**9 MILE & HOOVER (Continued)**

**U003330061**

Facility ID: 00015096  
Owner Name: UTSI FINANCE INC  
Owner Address: 12755 EAST 9 MILE RD  
Owner City: WARREN  
Owner State: MI  
Owner Zip: 48089  
Owner Contact: Not reported  
Owner Phone: 5869200100  
Contact: Reno Torres  
Contact Phone: (586) 939-7000  
Date of Collection: 10/21/2003  
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: GPS Code Meas. Standard Positioning Service SA Off  
District: Region 1 - SE Michigan District Office  
Tank ID: 4  
Capacity: 10000  
Tank Status: Removed from Ground  
Substance: Gasoline  
Install Date: 04/02/1956  
Remove Date: 01/23/1990  
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: 42.46448  
Longitude: -83.00096

Name: UNIVERSAL TRUCK LOAD SERVICES INC  
Address: 11955 E 9 MILE RD  
City,State,Zip: WARREN 48089-3703  
Facility Type: CLOSED  
Facility ID: 00015096  
Owner Name: UTSI FINANCE INC  
Owner Address: 12755 EAST 9 MILE RD  
Owner City: WARREN  
Owner State: MI  
Owner Zip: 48089  
Owner Contact: Not reported  
Owner Phone: 5869200100  
Contact: Reno Torres  
Contact Phone: (586) 939-7000  
Date of Collection: 10/21/2003  
Accuracy: 100  
Horizontal Datum: NAD83  
Accuracy Value Unit: FEET  
Source: STATE OF MICHIGAN  
Point Line Area: POINT  
Desc Category: Plant Entrance (Freight)

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**9 MILE & HOOVER (Continued)**

**U003330061**

Method of Collection: GPS Code Meas. Standard Positioning Service SA Off  
District: Region 1 - SE Michigan District Office  
Tank ID: 3  
Capacity: 500  
Tank Status: Removed from Ground  
Substance: Hazardous Substance(D001,GP/1140)  
Install Date: 04/03/1979  
Remove Date: 10/29/1991  
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: 42.46448  
Longitude: -83.00096

Name: UNIVERSAL TRUCK LOAD SERVICES INC  
Address: 11955 E 9 MILE RD  
City,State,Zip: WARREN 48089-3703  
Facility Type: CLOSED  
Facility ID: 00015096  
Owner Name: UTSI FINANCE INC  
Owner Address: 12755 EAST 9 MILE RD  
Owner City: WARREN  
Owner State: MI  
Owner Zip: 48089  
Owner Contact: Not reported  
Owner Phone: 5869200100  
Contact: Reno Torres  
Contact Phone: (586) 939-7000  
Date of Collection: 10/21/2003  
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: GPS Code Meas. Standard Positioning Service SA Off  
District: Region 1 - SE Michigan District Office  
Tank ID: 2  
Capacity: 500  
Tank Status: Removed from Ground  
Substance: Hazardous Substance(D001,GP/1140)  
Install Date: 04/03/1979  
Remove Date: 10/29/1991  
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: 42.46448

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**9 MILE & HOOVER (Continued)**

**U003330061**

Longitude: -83.00096

Name: 9 MILE & HOOVER  
Address: 11955 E 9 MILE RD  
City,State,Zip: WARREN, MI 48089-3703  
Facility Type: Temporarily Out of Use  
Facility ID: 00015096  
Owner Name: Not reported  
Owner Address: 12225 STEPHENS ROAD  
Owner City: WARREN  
Owner State: MI  
Owner Zip: 48089  
Owner Contact: Not reported  
Owner Phone: 5869397000  
Contact: Not reported  
Contact Phone: Not reported  
Date of Collection: Not reported  
Accuracy: Not reported  
Horizontal Datum: Not reported  
Accuracy Value Unit: Not reported  
Source: Not reported  
Point Line Area: Not reported  
Desc Category: Not reported  
Method of Collection: Not reported  
District: Not reported  
Tank ID: 12  
Capacity: 1800  
Tank Status: Temporarily Out of Use  
Substance: Unknown  
Install Date: Not reported  
Remove Date: 2019-11-01 00:00:00  
Tank Number: UTK-000317-19  
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: Not reported  
Longitude: Not reported

Name: UNIVERSAL TRUCK LOAD SERVICES INC  
Address: 11955 E 9 MILE RD  
City,State,Zip: WARREN 48089-3703  
Facility Type: CLOSED  
Facility ID: 00015096  
Owner Name: UTSI FINANCE INC  
Owner Address: 12755 EAST 9 MILE RD  
Owner City: WARREN  
Owner State: MI  
Owner Zip: 48089  
Owner Contact: Not reported  
Owner Phone: 5869200100  
Contact: Reno Torres  
Contact Phone: (586) 939-7000  
Date of Collection: 10/21/2003

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**9 MILE & HOOVER (Continued)**

**U003330061**

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: GPS Code Meas. Standard Positioning Service SA Off  
District: Region 1 - SE Michigan District Office  
Tank ID: 11  
Capacity: 3000  
Tank Status: Removed from Ground  
Substance: Gasoline  
Install Date: 04/02/1986  
Remove Date: 07/25/2011  
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: 42.46448  
Longitude: -83.00096

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

Name: UNIVERSAL TRUCK LOAD SERVICES INC  
Address: 11955 E 9 MILE RD  
City,State,Zip: WARREN 48089-3703  
Facility Type: CLOSED  
Facility ID: 00015096  
Owner Name: UTSI FINANCE INC  
Owner Address: 12755 EAST 9 MILE RD  
Owner City: WARREN  
Owner State: MI  
Owner Zip: 48089  
Owner Contact: Not reported  
Owner Phone: 5869200100  
Contact: Reno Torres  
Contact Phone: (586) 939-7000  
Date of Collection: 10/21/2003  
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: GPS Code Meas. Standard Positioning Service SA Off  
District: Region 1 - SE Michigan District Office  
Tank ID: 10  
Capacity: 3000  
Tank Status: Removed from Ground  
Substance: Gasoline  
Install Date: 04/02/1986  
Remove Date: 07/25/2011

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**9 MILE & HOOVER (Continued)**

**U003330061**

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: 42.46448  
Longitude: -83.00096

**AB106**  
**North**  
**1/4-1/2**  
**0.445 mi.**  
**2347 ft.**

**9 MILE & HOOVER**  
**11955 E 9 MILE RD**  
**WARREN, MI 48089**

**MI LUST S111934894**  
**MI WDS N/A**

**Site 2 of 3 in cluster AB**

**Relative:**  
**Higher**  
**Actual:**  
**625 ft.**

**LUST:**  
Name: 9 MILE & HOOVER  
Address: 11955 E 9 MILE RD  
City,State,Zip: WARREN, MI 48089-  
Facility ID: 00015096  
Source: STATE OF MICHIGAN  
Owner Name: UTSIFinance Inc  
Owner Address: Not reported  
Owner City,St,Zip: UNKNOWN, MI  
Owner Contact: Not reported  
Owner Phone: Not reported  
Country: USA  
District: Warren  
Site Name: Universal Truck Load Services Inc  
Latitude: 42.46448  
Longitude: -83.00096  
Date of Collection: 10/21/2003  
Method of Collection: GPS Code Meas. Standard Positioning Service SA Off  
Accuracy: 100  
Accuracy Value Unit: FEET  
Horizontal Data: NAD83  
Point Line Area: POINT  
Desc Category: Plant Entrance (Freight)  
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: C-0038-12  
Release Date: 03/29/2012  
Substance Released: Gasoline,Diesel,Gasoline,Gasoline  
Release Status: Closed  
Release Closed Date: 05/18/2015  
  
Leak Number: C-0234-90  
Release Date: 02/02/1990  
Substance Released: Not reported  
Release Status: Closed  
Release Closed Date: 12/02/1991

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**9 MILE & HOOVER (Continued)**

**S111934894**

Leak Number: C-2341-91  
Release Date: 10/30/1991  
Substance Released: Unknown  
Release Status: Closed  
Release Closed Date: 01/30/1992

**WDS:**

Name: BORG WARNER  
Address: 11955 E 9 MILE RD  
City,State,Zip: WARREN, MI 48090  
Site Id: MID057683021  
WMD Id: 396416  
Site Specific Name: BORG WARNER  
Mailing Address: 11955 E 9 MILE RD  
Mailing City/State/Zip: 48090  
Mailing County: MACOMB

**107**  
**South**  
**1/4-1/2**  
**0.450 mi.**  
**2374 ft.**

**GUARDIAN STEEL CORP**  
**11675 E 8 MILE RD**  
**WARREN, MI 48089**

**MI LUST**  
**MI UST**

**U001777081**  
**N/A**

**Relative:**  
**Higher**

**Actual:**  
**625 ft.**

**LUST:**

Name: GUARDIAN STEEL CORP  
Address: 11675 E 8 MILE RD  
City,State,Zip: WARREN, MI 48089  
Facility ID: 37324  
Source: Not reported  
Owner Name: Investments Inc, Woodfair  
Owner Address: Not reported  
Owner City,St,Zip: Not reported  
Owner Contact: Not reported  
Owner Phone: (313) 368-5220  
Country: Not reported  
District: Warren  
Site Name: Guardian Steel Corporation  
Latitude: 42.44924  
Longitude: -83.00447  
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: 22214  
Release Date: 07/27/1993  
Substance Released: Not reported  
Release Status: Closed

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**GUARDIAN STEEL CORP (Continued)**

**U001777081**

Release Closed Date: 01/27/1994

Leak Number: C-0906-93  
Release Date: 07/27/1993  
Substance Released: Gasoline  
Release Status: Closed  
Release Closed Date: 01/27/1994

**UST:**

Name: GUARDIAN STEEL CORP  
Address: 11675 E 8 MILE RD  
City,State,Zip: WARREN 48089-3147  
Facility Type: CLOSED  
Facility ID: 00037324  
Owner Name: GUARDIAN STEEL CORP  
Owner Address: 11675 E EIGHT MILE RD  
Owner City: WARREN  
Owner State: MI  
Owner Zip: 48089  
Owner Contact: Not reported  
Owner Phone: 3136450584  
Contact: JEFFREY C BRODER  
Contact Phone: (313) 645-0584  
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: Region 1 - SE Michigan District Office  
Tank ID: 1  
Capacity: 6000  
Tank Status: Removed from Ground  
Substance: Gasoline  
Install Date: Not reported  
Remove Date: 07/27/1993  
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: 42.44924  
Longitude: -83.00447

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**AC108**  
**WSW**  
**1/4-1/2**  
**0.466 mi.**  
**2458 ft.**

**DCT**  
**21551 MULLIN AVE**  
**WARREN, MI 48089**

**Site 1 of 3 in cluster AC**

**MI BEA**  
**MI WDS**

**S107701863**  
**N/A**

**Relative:**  
**Higher**

**BEA:**

**Actual:**  
**625 ft.**

Name: VACANT PROPERTY  
Address: 21551 MULLIN AVENUE  
City,State,Zip: WARREN, MI 48089  
Secondary Address: Not reported  
BEA Number: 2208  
District: Southeast MI  
Date Received: 11/21/2003  
Submitter Name: Carboly, Inc.  
Petition Determination: No Request  
Petition Disclosure: 0  
Category: N  
Determination 20107A: No Request  
Reviewer: ndukwee  
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  
Contact Zip Code: Not reported  
Contact State: Not reported

Name: DCT, INC.  
Address: 21551 MULLIN AVENUE  
City,State,Zip: WARREN, MI  
Secondary Address: Not reported  
BEA Number: 1085  
District: Southeast MI  
Date Received: 02/22/2000  
Submitter Name: DCT, INC.  
Petition Determination: Affirmed  
Petition Disclosure: 1  
Category: S  
Determination 20107A: Affirmed  
Reviewer: ndukwee  
Division Assigned: ERD  
Location ID: Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**DCT (Continued)**

**S107701863**

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: JAMES B. HENDERSON III REALTY  
Address: 21551 MULLIN ROAD  
City,State,Zip: WARREN, MI  
Secondary Address: Not reported  
BEA Number: 1086  
District: Southeast MI  
Date Received: 02/23/2000  
Submitter Name: JAMES B. HENDERSON III REALTY,  
Petition Determination: Affirmed  
Petition Disclosure: 1  
Category: S  
Determination 20107A: Affirmed  
Reviewer: ndukwee  
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  
Contact Zip Code: Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**DCT (Continued)**

**S107701863**

Contact State: Not reported

**WDS:**

Name: DCT  
Address: 21551 MULLIN AVE  
City,State,Zip: WARREN, MI 48089  
Site Id: MID985642370  
WMD Id: 407194  
Site Specific Name: DCT  
Mailing Address: 6780 18 1/2 MILE RD  
Mailing City/State/Zip: 48314  
Mailing County: MACOMB

**AC109**  
**WSW**  
**1/4-1/2**  
**0.466 mi.**  
**2458 ft.**

**CARBOLOY, INC.**  
**21551 MULLIN AVENUE**  
**WARREN, MI 48089**  
  
**Site 2 of 3 in cluster AC**

**MI INVENTORY**  
**MI BEA**  
**MI VCP**

**S114026901**  
**N/A**

**Relative:**  
**Higher**

**Actual:**  
**625 ft.**

**INVENTORY:**

Name: CARBOLOY, INC.  
Address: 21551 MULLIN AVENUE  
City,State,Zip: WARREN, MI 48089  
Township: Not reported  
District: Warren  
Data Source: Risks Controlled-Interim  
Lust Name: Not reported  
Regulatory Program: 201  
Release Status: Not reported  
Project Manager: Ndukwe, Ernest  
Latitude: 42.455007  
Longitude: -83.011619

**BEA:**

Name: CARBOLOY, INC.  
Address: 21551 MULLIN AVENUE  
City,State,Zip: WARREN, MI 480893091  
Secondary Address: Not reported  
BEA Number: Not reported  
District: Not reported  
Date Received: 11/21/2003  
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: 50000642  
Submittal Type: Baseline Environmental Assessment  
Submittal Number: B200302208LV  
Approval Status: RRD Received  
Workflow Status: Submitted  
Date Submitted: 2004-01-31 07:29:04  
Date Completed: Not reported  
Township: Not reported  
Work Unit: Warren

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**CARBOLOY, INC. (Continued)**

**S114026901**

Comments: On davecheryl BEA List See BEAs 1085 and 1086. Records Manager: Box 124 Sent out for Scanning 01/25/16

Organization: Carboloy, Inc.  
Contact: Dragun Corporation  
Contact Type: Submitter Contact  
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: CARBOLOY, INC.  
Address: 21551 MULLIN AVENUE  
City,State,Zip: WARREN, MI 480893091  
Secondary Address: Not reported  
BEA Number: Not reported  
District: Not reported  
Date Received: 02/23/2000  
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: 50000642  
Submittal Type: Baseline Environmental Assessment  
Submittal Number: P200001086LV  
Approval Status: RRD Received  
Workflow Status: Submitted  
Date Submitted: 2004-01-31 07:29:04  
Date Completed: Not reported  
Township: Not reported  
Work Unit: Warren  
Comments: On davecheryl BEA List See BEAs 1085 and 2208. Records Manager: Box 124 Sent out for Scanning 01/25/16

Organization: JAMES B. HENDERSON III REALTY,  
Contact: STEVEN J. GACH, P.E.  
Contact Type: Submitter Contact  
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: CARBOLOY, INC.  
Address: 21551 MULLIN AVENUE  
City,State,Zip: WARREN, MI 480893091  
Secondary Address: Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**CARBOLOY, INC. (Continued)**

**S114026901**

BEA Number: Not reported  
District: Not reported  
Date Received: 02/22/2000  
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: 50000642  
Submittal Type: Baseline Environmental Assessment  
Submittal Number: P200001085LV  
Approval Status: RRD Received  
Workflow Status: Submitted  
Date Submitted: 2004-01-31 07:29:04  
Date Completed: Not reported  
Township: Not reported  
Work Unit: Warren  
Comments: On davecheryl BEA List See BEAs 1086 and 2208. Records Manager: Box 124 Sent out for Scanning 01/25/16  
  
Organization: DCT, INC.  
Contact: STEVEN J. GACH, P.E.  
Contact Type: Submitter Contact  
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

**VCP:**

Location ID: 50000642  
Name: CARBOLOY, INC.  
Address: 21551 MULLIN AVENUE  
City,State,Zip: WARREN, MI 48089  
Location Type: Part 201 site  
Township: Not reported  
Work Unit: Warren  
Project Manager: Ndukwe, Ernest  
Risk Condition: Risks Controlled-Interim  
Latitude: 42.455007  
Longitude: -83.011619

**AD110** 21555-21601 MULLIN  
**WSW** 21555-21601 MULLIN  
**1/4-1/2** WARREN, MI 48089  
**0.466 mi.**  
**2463 ft.** Site 1 of 2 in cluster AD  
  
**Relative:** INVENTORY:  
**Higher** Name: 21555-21601 MULLIN  
Address: 21555-21601 MULLIN  
**Actual:** City,State,Zip: WARREN, MI 48089  
**625 ft.**

**MI INVENTORY** **S114027254**  
**MI BEA** **N/A**  
**MI VCP**

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**21555-21601 MULLIN (Continued)**

**S114027254**

Township: Not reported  
District: Warren  
Data Source: Risks Not Determined  
Lust Name: Not reported  
Regulatory Program: 201  
Release Status: Not reported  
Project Manager: Ndukwe, Ernest  
Latitude: 42.455096  
Longitude: -83.013248

**BEA:**

Name: 21555-21601 MULLIN  
Address: 21555-21601 MULLIN  
City,State,Zip: WARREN, MI 480893008  
Secondary Address: Not reported  
BEA Number: Not reported  
District: Not reported  
Date Received: 06/25/1999  
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: 50001048  
Submittal Type: Baseline Environmental Assessment  
Submittal Number: P199900927LV  
Approval Status: RRD Received  
Workflow Status: Submitted  
Date Submitted: 2004-01-31 07:29:04  
Date Completed: Not reported  
Township: Not reported  
Work Unit: Warren  
Comments: See BEA 2928  
Organization: HENDERSON PROPERTIES, LLC  
Contact: Mr. Roger O'Toole  
Contact Type: Submitter Contact  
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: 21555-21601 MULLIN  
Address: 21555-21601 MULLIN  
City,State,Zip: WARREN, MI 480893008  
Secondary Address: Not reported  
BEA Number: Not reported  
District: Not reported  
Date Received: 10/06/2005  
Submitter Name: Not reported  
Petition Determination: Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**21555-21601 MULLIN (Continued)**

**S114027254**

Petition Disclosure:	Not reported
Category:	Not reported
Determination 20107A:	Not reported
Reviewer:	Not reported
Division Assigned:	Not reported
Location ID:	50001048
Submittal Type:	Baseline Environmental Assessment
Submittal Number:	P200502928LV
Approval Status:	RRD Received
Workflow Status:	Submitted
Date Submitted:	2005-10-12 10:33:25
Date Completed:	Not reported
Township:	Not reported
Work Unit:	Warren
Comments:	See BEA 927. Records Manager: Box 337, To Lansing on 3/16/17
Organization:	Scion Steel
Contact:	Arcadis
Contact Type:	Submitter Contact
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

**VCP:**

Location ID:	50001048
Name:	21555-21601 MULLIN
Address:	21555-21601 MULLIN
City,State,Zip:	WARREN, MI 48089
Location Type:	Part 201 site
Township:	Not reported
Work Unit:	Warren
Project Manager:	Ndukwe, Ernest
Risk Condition:	Risks Not Determined
Latitude:	42.455096
Longitude:	-83.013248

**AD111**      **SCIWAY PAINTING LLC**  
**WSW**      **21555 MULLIN AVE**  
**1/4-1/2**      **WARREN, MI 48089**  
**0.466 mi.**  
**2463 ft.**      **Site 2 of 2 in cluster AD**

**MI BEA**      **S107466603**  
**MI WDS**      **N/A**

**Relative:**  
**Higher**  
**Actual:**  
**625 ft.**

<b>BEA:</b>	
Name:	DETROIT CENTER TOOL FACILITY
Address:	21555 MULLIN AVENUE
City,State,Zip:	WARREN, MI
Secondary Address:	Not reported
BEA Number:	2928
District:	Southeast MI
Date Received:	10/06/2005
Submitter Name:	Scion Steel
Petition Determination:	Affirmed

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**SCIWAY PAINTING LLC (Continued)**

**S107466603**

Petition Disclosure: 1  
Category: D  
Determination 20107A: No Request  
Reviewer: ndukwee  
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  
Contact Zip Code: Not reported  
Contact State: Not reported

**WDS:**

Name: SCIWAY PAINTING LLC  
Address: 21555 MULLIN AVE  
City,State,Zip: WARREN, MI 48089  
Site Id: MI0000954370  
WMD Id: 391614  
Site Specific Name: SCIWAY PAINTING LLC  
Mailing Address: 21555 MULLIN AVE  
Mailing City/State/Zip: 48089  
Mailing County: MACOMB

112  
NE  
1/4-1/2  
0.471 mi.  
2488 ft.

**INALFA SSI OFF SYSTEMS**  
**12500 E 9 MILE RD**  
**WARREN, MI 48089**

**MI LUST U000258844**  
**MI UST N/A**

**Relative:**  
**Higher**  
**Actual:**  
**625 ft.**

**LUST:**

Name: INALFA SSI OFF SYSTEMS  
Address: 12500 E 9 MILE RD  
City,State,Zip: WARREN, MI 48089  
Facility ID: 21576  
Source: Not reported  
Owner Name: Enterprises, Krueger  
Owner Address: Not reported  
Owner City,St,Zip: Not reported  
Owner Contact: Not reported  
Owner Phone: Not reported  
Country: Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**INALFA SSI OFF SYSTEMS (Continued)**

**U000258844**

District: Warren  
Site Name: Creative Industries  
Latitude: 42.46355  
Longitude: -82.99687  
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: 18385  
Release Date: 03/26/1991  
Substance Released: Not reported  
Release Status: Closed  
Release Closed Date: 07/05/1995

Leak Number: C-0532-91  
Release Date: 03/26/1991  
Substance Released: Not reported  
Release Status: Closed  
Release Closed Date: 07/05/1995

**UST:**

Name: INALFA SSI OFF SYSTEMS  
Address: 12500 E 9 MILE RD  
City,State,Zip: WARREN 48089-2634  
Facility Type: CLOSED  
Facility ID: 00021576  
Owner Name: INALFA SSI OFF SYSTEMS  
Owner Address: 12500 EAST 9 MILE RD  
Owner City: WARREN  
Owner State: MI  
Owner Zip: 45089  
Owner Contact: Not reported  
Owner Phone: 5867586620  
Contact: Dave Werner  
Contact Phone: ( ) -  
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: Region 1 - SE Michigan District Office  
Tank ID: 2  
Capacity: 1000  
Tank Status: Removed from Ground

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**INALFA SSI OFF SYSTEMS (Continued)**

**U000258844**

Substance:	Not reported
Install Date:	04/30/1978
Remove Date:	09/30/1990
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:	42.46355
Longitude:	-82.99687
Name:	INALFA SSI OFF SYSTEMS
Address:	12500 E 9 MILE RD
City,State,Zip:	WARREN 48089-2634
Facility Type:	CLOSED
Facility ID:	00021576
Owner Name:	INALFA SSI OFF SYSTEMS
Owner Address:	12500 EAST 9 MILE RD
Owner City:	WARREN
Owner State:	MI
Owner Zip:	45089
Owner Contact:	Not reported
Owner Phone:	5867586620
Contact:	Dave Werner
Contact Phone:	( ) -
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:	Region 1 - SE Michigan District Office
Tank ID:	1
Capacity:	1000
Tank Status:	Removed from Ground
Substance:	Gasoline
Install Date:	04/30/1977
Remove Date:	09/30/1990
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:	42.46355
Longitude:	-82.99687

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

EDR ID Number  
EPA ID Number

**AE113**  
**NNE**  
**1/4-1/2**  
**0.472 mi.**  
**2490 ft.**  
**12345 EAST NINE MILE LLC**  
**12345 EAST NINE MILE**  
**WARREN, MI 48089**  
**Site 1 of 3 in cluster AE**

**MI BEA**  
**S111455165**  
**N/A**

**Relative:**  
**Higher**

BEA:

**Actual:**  
**625 ft.**

Name: 12345 EAST NINE MILE LLC  
Address: 12345 EAST NINE MILE  
City,State,Zip: WARREN, MI 48089  
Secondary Address: Not reported  
BEA Number: 4995  
District: Southeast MI  
Date Received: 12/01/2011  
Submitter Name: 12345 East Nine Mile LLC  
Petition Determination: No Request  
Petition Disclosure: 0  
Category: Not reported  
Determination 20107A: No Request  
Reviewer: ndukwee  
Division Assigned: RD  
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

**AE114**  
**NNE**  
**1/4-1/2**  
**0.472 mi.**  
**2490 ft.**  
**BUNDY TUBING CORP**  
**12345 E 9 MILE RD**  
**WARREN, MI 48089**  
**Site 2 of 3 in cluster AE**

**MI LUST**  
**MI UST**  
**MI WDS**  
**U003867377**  
**N/A**

**Relative:**  
**Higher**

LUST:

**Actual:**  
**625 ft.**

Name: BUNDY TUBING CORP  
Address: 12345 E 9 MILE RD  
City,State,Zip: WARREN, MI 48089  
Facility ID: 15692  
Source: Not reported  
Owner Name: Jenkins, Herb  
Owner Address: Not reported  
Owner City,St,Zip: Not reported  
Owner Contact: Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**BUNDY TUBING CORP (Continued)**

**U003867377**

Owner Phone: 906-235-5096  
Country: Not reported  
District: Warren  
Site Name: Bundy Tubing Corporation  
Latitude: 42.46375  
Longitude: -82.99921  
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: 23670  
Release Date: 12/14/1994  
Substance Released: Not reported  
Release Status: Closed  
Release Closed Date: 02/24/1995

Leak Number: C-1595-94  
Release Date: 12/14/1994  
Substance Released: Gasoline  
Release Status: Closed  
Release Closed Date: 02/24/1995

**UST:**

Name: BUNDY TUBING CORP  
Address: 12345 E 9 MILE RD  
City,State,Zip: WARREN 48089-2614  
Facility Type: CLOSED  
Facility ID: 00015692  
Owner Name: BUNDY CORP  
Owner Address: 12345 E 9 MILE RD  
Owner City: WARREN  
Owner State: MI  
Owner Zip: 48089-2614  
Owner Contact: Not reported  
Owner Phone: 8107558401  
Contact: RICHARD KINGSTON  
Contact Phone: (810) 755-8401  
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: Region 1 - SE Michigan District Office  
Tank ID: 4

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**BUNDY TUBING CORP (Continued)**

**U003867377**

Capacity: 500  
Tank Status: Removed from Ground  
Substance: Gasoline  
Install Date: Not reported  
Remove Date: 12/20/1994  
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: 42.46375  
Longitude: -82.99921

Name: BUNDY TUBING CORP  
Address: 12345 E 9 MILE RD  
City,State,Zip: WARREN 48089-2614  
Facility Type: CLOSED  
Facility ID: 00015692  
Owner Name: BUNDY CORP  
Owner Address: 12345 E 9 MILE RD  
Owner City: WARREN  
Owner State: MI  
Owner Zip: 48089-2614  
Owner Contact: Not reported  
Owner Phone: 8107558401  
Contact: RICHARD KINGSTON  
Contact Phone: (810) 755-8401  
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: Region 1 - SE Michigan District Office  
Tank ID: 3  
Capacity: 6000  
Tank Status: Closed in Ground  
Substance: Hazardous Substance(.5% OF AMINO SALTS)  
Install Date: 04/09/1961  
Remove Date: 09/30/1990  
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: 42.46375  
Longitude: -82.99921

Name: BUNDY TUBING CORP

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**BUNDY TUBING CORP (Continued)**

**U003867377**

Address: 12345 E 9 MILE RD  
City,State,Zip: WARREN 48089-2614  
Facility Type: CLOSED  
Facility ID: 00015692  
Owner Name: BUNDY CORP  
Owner Address: 12345 E 9 MILE RD  
Owner City: WARREN  
Owner State: MI  
Owner Zip: 48089-2614  
Owner Contact: Not reported  
Owner Phone: 8107558401  
Contact: RICHARD KINGSTON  
Contact Phone: (810) 755-8401  
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: Region 1 - SE Michigan District Office  
Tank ID: 2  
Capacity: 6000  
Tank Status: Closed in Ground  
Substance: Hazardous Substance(.5% OF AMINO SALTS)  
Install Date: 04/09/1961  
Remove Date: 09/30/1990  
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: 42.46375  
Longitude: -82.99921

Name: BUNDY TUBING CORP  
Address: 12345 E 9 MILE RD  
City,State,Zip: WARREN 48089-2614  
Facility Type: CLOSED  
Facility ID: 00015692  
Owner Name: BUNDY CORP  
Owner Address: 12345 E 9 MILE RD  
Owner City: WARREN  
Owner State: MI  
Owner Zip: 48089-2614  
Owner Contact: Not reported  
Owner Phone: 8107558401  
Contact: RICHARD KINGSTON  
Contact Phone: (810) 755-8401  
Date of Collection: 01/11/2001  
Accuracy: 100  
Horizontal Datum: NAD83  
Accuracy Value Unit: FEET

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**BUNDY TUBING CORP (Continued)**

**U003867377**

Source: STATE OF MICHIGAN  
Point Line Area: POINT  
Desc Category: Plant Entrance (Freight)  
Method of Collection: Address Matching-House Number  
District: Region 1 - SE Michigan District Office  
Tank ID: 1  
Capacity: 2000  
Tank Status: Removed from Ground  
Substance: Gasoline  
Install Date: 04/10/1983  
Remove Date: 12/14/1994  
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: 42.46375  
Longitude: -82.99921

**WDS:**

Name: TI AUTOMOTIVE LLC  
Address: 12345 E 9 MILE RD  
City,State,Zip: WARREN, MI 48089  
Site Id: MID005355664  
WMD Id: 393394  
Site Specific Name: TI GROUP AUTOMOTIVE SYSTEMS  
Mailing Address: 1272 DORIS RD  
Mailing City/State/Zip: 48326  
Mailing County: OAKLAND

**AE115**  
**NNE**  
**1/4-1/2**  
**0.472 mi.**  
**2490 ft.**

**BUNDY CORPORATION**  
**12345 E. NINE MILE**  
**WARREN, MI 48089**

**MI DEL PART 201**  
**MI BEA**

**S107697256**  
**N/A**

**Site 3 of 3 in cluster AE**

**Relative:**  
**Higher**  
**Actual:**  
**625 ft.**

**DEL\_PART201:**  
Facility ID: 50000672  
Status: Delisted - no longer meets criteria specified in rules

**BEA:**

Name: BUNDY CORPORATION  
Address: 12345 E. NINE MILE  
City,State,Zip: WARREN, MI 48089  
Secondary Address: Not reported  
BEA Number: Not reported  
District: Not reported  
Date Received: 12/01/2011  
Submitter Name: Not reported  
Petition Determination: Not reported  
Petition Disclosure: Not reported  
Category: Not reported  
Determination 20107A: Not reported  
Reviewer: Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**BUNDY CORPORATION (Continued)**

**S107697256**

Division Assigned: Not reported  
Location ID: 50000672  
Submittal Type: Baseline Environmental Assessment  
Submittal Number: B201104995LV  
Approval Status: RRD Received  
Workflow Status: Submitted  
Date Submitted: 2011-12-01 09:11:01  
Date Completed: Not reported  
Township: Not reported  
Work Unit: Warren  
Comments: Records Manager: Box 72 To Lansing for Scanning: 1/13/16 Records Manager: Box 290, to Lansing on 8/10/16 ?? Also a Part 213 site. Facility ID# 00015692 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:  
  
Organization: 12345 East Nine Mile LLC  
Contact: John Hochstein  
Contact Type: Submitter Contact  
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

116  
NNW  
1/4-1/2  
0.472 mi.  
2494 ft.

**9 & HOOVER PROPERTY LLC**  
**23011 HOOVER RD**  
**WARREN, MI 48089**

**MI LUST U003330446**  
**MI UST N/A**  
**MI AST**  
**MI WDS**

**Relative:**  
**Lower**  
**Actual:**  
**624 ft.**

LUST:  
Name: 9 & HOOVER PROPERTY LLC  
Address: 23011 HOOVER RD  
City,State,Zip: WARREN, MI 48089  
Facility ID: 14723  
Source: Not reported  
Owner Name: Johnson, Michael  
Owner Address: Not reported  
Owner City,St,Zip: Not reported  
Owner Contact: Not reported  
Owner Phone: Not reported  
Country: Not reported  
District: Warren  
Site Name: M & A Mini Mart Inc (bp)  
Latitude: 42.46370  
Longitude: -83.00621  
Date of Collection: Not reported  
Method of Collection: The geographic coordinate determination method based on GPS code measurements (pseudo range) standard positioning service (SA Off).  
Accuracy: 10  
Accuracy Value Unit: Not reported  
Horizontal Data: North American Datum of 1983  
Point Line Area: Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**9 & HOOVER PROPERTY LLC (Continued)**

**U003330446**

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: 27377  
Release Date: 08/20/1997  
Substance Released: Not reported  
Release Status: Closed  
Release Closed Date: 02/20/1998

Leak Number: C-0709-97  
Release Date: 08/20/1997  
Substance Released: Unknown  
Release Status: Closed  
Release Closed Date: 02/20/1998

**UST:**

Name: 9 & HOOVER PROPERTY LLC  
Address: 23011 HOOVER RD  
City,State,Zip: WARREN 48089-1910  
Facility Type: ACTIVE  
Facility ID: 00014723  
Owner Name: 9 & HOOVER PROPERTY LLC  
Owner Address: 23011 HOOVER RD  
Owner City: WARREN  
Owner State: MI  
Owner Zip: 48089  
Owner Contact: Not reported  
Owner Phone: 5867540740  
Contact: Abbas Harajli  
Contact Phone: (313) 429-5503  
Date of Collection: 09/21/2001  
Accuracy: 10  
Horizontal Datum: NAD83  
Accuracy Value Unit: METERS  
Source: STATE OF MICHIGAN  
Point Line Area: POINT  
Desc Category: Plant Entrance (Freight)  
Method of Collection: GPS Code Meas. Standard Positioning Service SA Off  
District: Region 1 - SE Michigan District Office  
Tank ID: 9  
Capacity: 4000  
Tank Status: Currently In Use  
Substance: Kerosene  
Install Date: 08/15/1997  
Remove Date: Not reported  
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

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**9 & HOOVER PROPERTY LLC (Continued)**

**U003330446**

Latitude: 42.46370  
Longitude: -83.00621

Name: 9 & HOOVER PROPERTY LLC  
Address: 23011 HOOVER RD  
City,State,Zip: WARREN 48089-1910  
Facility Type: ACTIVE  
Facility ID: 00014723  
Owner Name: 9 & HOOVER PROPERTY LLC  
Owner Address: 23011 HOOVER RD  
Owner City: WARREN  
Owner State: MI  
Owner Zip: 48089  
Owner Contact: Not reported  
Owner Phone: 5867540740  
Contact: Abbas Harajli  
Contact Phone: (313) 429-5503  
Date of Collection: 09/21/2001  
Accuracy: 10  
Horizontal Datum: NAD83  
Accuracy Value Unit: METERS  
Source: STATE OF MICHIGAN  
Point Line Area: POINT  
Desc Category: Plant Entrance (Freight)  
Method of Collection: GPS Code Meas. Standard Positioning Service SA Off  
District: Region 1 - SE Michigan District Office  
Tank ID: 8  
Capacity: 6000  
Tank Status: Currently In Use  
Substance: Diesel  
Install Date: 08/15/1997  
Remove Date: Not reported  
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: 42.46370  
Longitude: -83.00621

Name: 9 & HOOVER PROPERTY LLC  
Address: 23011 HOOVER RD  
City,State,Zip: WARREN 48089-1910  
Facility Type: ACTIVE  
Facility ID: 00014723  
Owner Name: 9 & HOOVER PROPERTY LLC  
Owner Address: 23011 HOOVER RD  
Owner City: WARREN  
Owner State: MI  
Owner Zip: 48089  
Owner Contact: Not reported  
Owner Phone: 5867540740  
Contact: Abbas Harajli  
Contact Phone: (313) 429-5503

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**9 & HOOVER PROPERTY LLC (Continued)**

**U003330446**

Date of Collection: 09/21/2001  
Accuracy: 10  
Horizontal Datum: NAD83  
Accuracy Value Unit: METERS  
Source: STATE OF MICHIGAN  
Point Line Area: POINT  
Desc Category: Plant Entrance (Freight)  
Method of Collection: GPS Code Meas. Standard Positioning Service SA Off  
District: Region 1 - SE Michigan District Office  
Tank ID: 7  
Capacity: 10000  
Tank Status: Currently In Use  
Substance: Gasoline  
Install Date: 08/15/1997  
Remove Date: Not reported  
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: 42.46370  
Longitude: -83.00621

Name: 9 & HOOVER PROPERTY LLC  
Address: 23011 HOOVER RD  
City,State,Zip: WARREN 48089-1910  
Facility Type: ACTIVE  
Facility ID: 00014723  
Owner Name: 9 & HOOVER PROPERTY LLC  
Owner Address: 23011 HOOVER RD  
Owner City: WARREN  
Owner State: MI  
Owner Zip: 48089  
Owner Contact: Not reported  
Owner Phone: 5867540740  
Contact: Abbas Harajli  
Contact Phone: (313) 429-5503  
Date of Collection: 09/21/2001  
Accuracy: 10  
Horizontal Datum: NAD83  
Accuracy Value Unit: METERS  
Source: STATE OF MICHIGAN  
Point Line Area: POINT  
Desc Category: Plant Entrance (Freight)  
Method of Collection: GPS Code Meas. Standard Positioning Service SA Off  
District: Region 1 - SE Michigan District Office  
Tank ID: 6  
Capacity: 12000  
Tank Status: Currently In Use  
Substance: Gasoline  
Install Date: 08/15/1997  
Remove Date: Not reported  
Tank Number: Not reported  
Tank Details Compartments: Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**9 & HOOVER PROPERTY LLC (Continued)**

**U003330446**

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:	42.46370
Longitude:	-83.00621
Name:	9 & HOOVER PROPERTY LLC
Address:	23011 HOOVER RD
City,State,Zip:	WARREN 48089-1910
Facility Type:	ACTIVE
Facility ID:	00014723
Owner Name:	9 & HOOVER PROPERTY LLC
Owner Address:	23011 HOOVER RD
Owner City:	WARREN
Owner State:	MI
Owner Zip:	48089
Owner Contact:	Not reported
Owner Phone:	5867540740
Contact:	Abbas Harajli
Contact Phone:	(313) 429-5503
Date of Collection:	09/21/2001
Accuracy:	10
Horizontal Datum:	NAD83
Accuracy Value Unit:	METERS
Source:	STATE OF MICHIGAN
Point Line Area:	POINT
Desc Category:	Plant Entrance (Freight)
Method of Collection:	GPS Code Meas. Standard Positioning Service SA Off
District:	Region 1 - SE Michigan District Office
Tank ID:	5
Capacity:	500
Tank Status:	Removed from Ground
Substance:	Used Oil
Install Date:	Not reported
Remove Date:	12/26/1997
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:	42.46370
Longitude:	-83.00621
Name:	9 & HOOVER PROPERTY LLC
Address:	23011 HOOVER RD
City,State,Zip:	WARREN 48089-1910
Facility Type:	ACTIVE
Facility ID:	00014723
Owner Name:	9 & HOOVER PROPERTY LLC
Owner Address:	23011 HOOVER RD
Owner City:	WARREN

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**9 & HOOVER PROPERTY LLC (Continued)**

**U003330446**

Owner State: MI  
Owner Zip: 48089  
Owner Contact: Not reported  
Owner Phone: 5867540740  
Contact: Abbas Harajli  
Contact Phone: (313) 429-5503  
Date of Collection: 09/21/2001  
Accuracy: 10  
Horizontal Datum: NAD83  
Accuracy Value Unit: METERS  
Source: STATE OF MICHIGAN  
Point Line Area: POINT  
Desc Category: Plant Entrance (Freight)  
Method of Collection: GPS Code Meas. Standard Positioning Service SA Off  
District: Region 1 - SE Michigan District Office  
Tank ID: 4  
Capacity: 500  
Tank Status: Removed from Ground  
Substance: Used Oil  
Install Date: Not reported  
Remove Date: 12/26/1997  
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: 42.46370  
Longitude: -83.00621

Name: 9 & HOOVER PROPERTY LLC  
Address: 23011 HOOVER RD  
City,State,Zip: WARREN 48089-1910  
Facility Type: ACTIVE  
Facility ID: 00014723  
Owner Name: 9 & HOOVER PROPERTY LLC  
Owner Address: 23011 HOOVER RD  
Owner City: WARREN  
Owner State: MI  
Owner Zip: 48089  
Owner Contact: Not reported  
Owner Phone: 5867540740  
Contact: Abbas Harajli  
Contact Phone: (313) 429-5503  
Date of Collection: 09/21/2001  
Accuracy: 10  
Horizontal Datum: NAD83  
Accuracy Value Unit: METERS  
Source: STATE OF MICHIGAN  
Point Line Area: POINT  
Desc Category: Plant Entrance (Freight)  
Method of Collection: GPS Code Meas. Standard Positioning Service SA Off  
District: Region 1 - SE Michigan District Office  
Tank ID: 3  
Capacity: 6000

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**9 & HOOVER PROPERTY LLC (Continued)**

**U003330446**

Tank Status: Removed from Ground  
Substance: Diesel  
Install Date: 03/06/1971  
Remove Date: 12/26/1997  
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: 42.46370  
Longitude: -83.00621

Name: 9 & HOOVER PROPERTY LLC  
Address: 23011 HOOVER RD  
City,State,Zip: WARREN 48089-1910  
Facility Type: ACTIVE  
Facility ID: 00014723  
Owner Name: 9 & HOOVER PROPERTY LLC  
Owner Address: 23011 HOOVER RD  
Owner City: WARREN  
Owner State: MI  
Owner Zip: 48089  
Owner Contact: Not reported  
Owner Phone: 5867540740  
Contact: Abbas Harajli  
Contact Phone: (313) 429-5503  
Date of Collection: 09/21/2001  
Accuracy: 10  
Horizontal Datum: NAD83  
Accuracy Value Unit: METERS  
Source: STATE OF MICHIGAN  
Point Line Area: POINT  
Desc Category: Plant Entrance (Freight)  
Method of Collection: GPS Code Meas. Standard Positioning Service SA Off  
District: Region 1 - SE Michigan District Office  
Tank ID: 2  
Capacity: 10000  
Tank Status: Removed from Ground  
Substance: Gasoline  
Install Date: 03/06/1971  
Remove Date: 12/26/1997  
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: 42.46370  
Longitude: -83.00621

Name: 9 & HOOVER PROPERTY LLC  
Address: 23011 HOOVER RD

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**9 & HOOVER PROPERTY LLC (Continued)**

**U003330446**

City,State,Zip: WARREN 48089-1910  
Facility Type: ACTIVE  
Facility ID: 00014723  
Owner Name: 9 & HOOVER PROPERTY LLC  
Owner Address: 23011 HOOVER RD  
Owner City: WARREN  
Owner State: MI  
Owner Zip: 48089  
Owner Contact: Not reported  
Owner Phone: 5867540740  
Contact: Abbas Harajli  
Contact Phone: (313) 429-5503  
Date of Collection: 09/21/2001  
Accuracy: 10  
Horizontal Datum: NAD83  
Accuracy Value Unit: METERS  
Source: STATE OF MICHIGAN  
Point Line Area: POINT  
Desc Category: Plant Entrance (Freight)  
Method of Collection: GPS Code Meas. Standard Positioning Service SA Off  
District: Region 1 - SE Michigan District Office  
Tank ID: 1  
Capacity: 10000  
Tank Status: Removed from Ground  
Substance: Gasoline  
Install Date: 03/06/1971  
Remove Date: 12/26/1997  
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: 42.46370  
Longitude: -83.00621

**AST:**

Name: M & A MARATHON  
Address: 23011 HOOVER RD  
City: WARREN  
Zip: 48089-1910  
Facility ID: 92050114  
Owner Name: FERRELLGAS  
Owner Address: 5304 CLINTON TRAIL  
Owner City,St,Zip: EATON RAPIDS, MI 48827  
District: 1  
Date of Collection: 09/21/2001  
Accuracy: 10 METERS  
Source: STATE OF MICHIGAN  
Point Line Area: POINT  
Description Category: Plant Entrance (Freight)  
Method of Collection: GPS Code Meas. Standard Positioning Service SA Off  
Horizontal Datum: NAD83  
Latitude: 42.4636600  
Longitude: -83.006285

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**9 & HOOVER PROPERTY LLC (Continued)**

**U003330446**

Tank Id: ATK-122969-15  
Tank Status: Currently In Use  
Capacity (in gallons): 1000  
Installation Date: 06/04/2007  
Substance Stored: LPG  
Removed/Closed Date: Not reported

Tank Id: ATK-082297-15  
Tank Status: Removed from Premises  
Capacity (in gallons): 1150  
Installation Date: 05/24/1989  
Substance Stored: LPG  
Removed/Closed Date: 06/19/2007

WDS:  
Name: M & A MINIMART  
Address: 23011 HOOVER RD  
City,State,Zip: WARREN, MI 48089  
Site Id: MIG000029277  
WMD Id: 424659  
Site Specific Name: M & A MINIMART  
Mailing Address: 23011 HOOVER RD  
Mailing City/State/Zip: 48089  
Mailing County: MACOMB

117  
SSE  
1/4-1/2  
0.474 mi.  
2501 ft.

**ALAA PETROLEUM INC**  
**11805 E 8 MILE RD**  
**WARREN, MI 48089**

**MI LUST**  
**MI UST**  
**MI INVENTORY**  
**MI Financial Assurance**

**U003081784**  
**N/A**

**Relative:**  
**Higher**  
**Actual:**  
**625 ft.**

LUST:  
Name: ALAA PETROLEUM INC  
Address: 11805 E 8 MILE RD  
City,State,Zip: WARREN, MI 48089  
Facility ID: 5737  
Source: Not reported  
Owner Name: DeWyse, Michael  
Owner Address: Not reported  
Owner City,St,Zip: Not reported  
Owner Contact: Not reported  
Owner Phone: 989-385-1288  
Country: Not reported  
District: Warren  
Site Name: JJ & K Inc - Former Amoco Station #5352  
Latitude: 42.44957  
Longitude: -83.00168  
Date of Collection: Not reported  
Method of Collection: The geographic coordinate determination method based on GPS code measurements (pseudo range) standard positioning service (SA Off).  
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

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**ALAA PETROLEUM INC (Continued)**

**U003081784**

Risk Condition: Not reported  
Project Manager: Not reported  
Senate District: Not reported  
House District: Not reported  
US Congressional District: Not reported

Leak Number: 13589  
Release Date: 03/23/2004  
Substance Released: Gasoline  
Release Status: Closed  
Release Closed Date: 01/31/2014

Leak Number: 13589  
Release Date: 03/23/2004  
Substance Released: Gasoline  
Release Status: Closed  
Release Closed Date: 01/31/2014

Leak Number: 13589  
Release Date: 03/23/2004  
Substance Released: Gasoline  
Release Status: Closed  
Release Closed Date: 01/31/2014

Leak Number: 13589  
Release Date: 03/23/2004  
Substance Released: Gasoline  
Release Status: Closed  
Release Closed Date: 01/31/2014

Leak Number: 22861  
Release Date: 11/29/1993  
Substance Released: Not reported  
Release Status: Closed  
Release Closed Date: 01/31/2014

Leak Number: C-0114-04  
Release Date: 03/23/2004  
Substance Released: Gasoline,Gasoline,Gasoline,Gasoline  
Release Status: Closed  
Release Closed Date: 01/31/2014

Leak Number: C-1491-93  
Release Date: 11/29/1993  
Substance Released: Gasoline  
Release Status: Closed  
Release Closed Date: 01/31/2014

**UST:**

Name: ALAA PETROLEUM INC  
Address: 11805 E 8 MILE RD  
City,State,Zip: WARREN 48089-3124  
Facility Type: ACTIVE  
Facility ID: 00005737  
Owner Name: ALAA PETROLEUM INC  
Owner Address: 11805 EAST 8 MILE RD  
Owner City: WARREN  
Owner State: MI

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**ALAA PETROLEUM INC (Continued)**

**U003081784**

Owner Zip: 48089  
Owner Contact: Not reported  
Owner Phone: 5869302738  
Contact: Hassan Houmani  
Contact Phone: (313) 582-2800  
Date of Collection: 10/21/2003  
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: GPS Code Meas. Standard Positioning Service SA Off  
District: Region 1 - SE Michigan District Office  
Tank ID: 9  
Capacity: 12000  
Tank Status: Currently In Use  
Substance: Gasoline  
Install Date: 04/28/1986  
Remove Date: Not reported  
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: 42.44963  
Longitude: -83.00157

Name: ALAA PETROLEUM INC  
Address: 11805 E 8 MILE RD  
City,State,Zip: WARREN 48089-3124  
Facility Type: ACTIVE  
Facility ID: 00005737  
Owner Name: ALAA PETROLEUM INC  
Owner Address: 11805 EAST 8 MILE RD  
Owner City: WARREN  
Owner State: MI  
Owner Zip: 48089  
Owner Contact: Not reported  
Owner Phone: 5869302738  
Contact: Hassan Houmani  
Contact Phone: (313) 582-2800  
Date of Collection: 10/21/2003  
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: GPS Code Meas. Standard Positioning Service SA Off  
District: Region 1 - SE Michigan District Office  
Tank ID: 8  
Capacity: 12000  
Tank Status: Currently In Use

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**ALAA PETROLEUM INC (Continued)**

**U003081784**

Substance:	Gasoline
Install Date:	04/28/1986
Remove Date:	Not reported
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:	42.44963
Longitude:	-83.00157
Name:	ALAA PETROLEUM INC
Address:	11805 E 8 MILE RD
City,State,Zip:	WARREN 48089-3124
Facility Type:	ACTIVE
Facility ID:	00005737
Owner Name:	ALAA PETROLEUM INC
Owner Address:	11805 EAST 8 MILE RD
Owner City:	WARREN
Owner State:	MI
Owner Zip:	48089
Owner Contact:	Not reported
Owner Phone:	5869302738
Contact:	Hassan Houmani
Contact Phone:	(313) 582-2800
Date of Collection:	10/21/2003
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:	GPS Code Meas. Standard Positioning Service SA Off
District:	Region 1 - SE Michigan District Office
Tank ID:	7
Capacity:	12000
Tank Status:	Currently In Use
Substance:	Gasoline
Install Date:	04/28/1986
Remove Date:	Not reported
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:	42.44963
Longitude:	-83.00157
Name:	ALAA PETROLEUM INC
Address:	11805 E 8 MILE RD
City,State,Zip:	WARREN 48089-3124

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**ALAA PETROLEUM INC (Continued)**

**U003081784**

Facility Type: ACTIVE  
Facility ID: 00005737  
Owner Name: ALAA PETROLEUM INC  
Owner Address: 11805 EAST 8 MILE RD  
Owner City: WARREN  
Owner State: MI  
Owner Zip: 48089  
Owner Contact: Not reported  
Owner Phone: 5869302738  
Contact: Hassan Houmani  
Contact Phone: (313) 582-2800  
Date of Collection: 10/21/2003  
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: GPS Code Meas. Standard Positioning Service SA Off  
District: Region 1 - SE Michigan District Office  
Tank ID: 6  
Capacity: 1000  
Tank Status: Removed from Ground  
Substance: Diesel  
Install Date: 04/28/1972  
Remove Date: 12/01/1988  
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: 42.44963  
Longitude: -83.00157

Name: ALAA PETROLEUM INC  
Address: 11805 E 8 MILE RD  
City,State,Zip: WARREN 48089-3124  
Facility Type: ACTIVE  
Facility ID: 00005737  
Owner Name: ALAA PETROLEUM INC  
Owner Address: 11805 EAST 8 MILE RD  
Owner City: WARREN  
Owner State: MI  
Owner Zip: 48089  
Owner Contact: Not reported  
Owner Phone: 5869302738  
Contact: Hassan Houmani  
Contact Phone: (313) 582-2800  
Date of Collection: 10/21/2003  
Accuracy: 100  
Horizontal Datum: NAD83  
Accuracy Value Unit: FEET  
Source: STATE OF MICHIGAN  
Point Line Area: POINT

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**ALAA PETROLEUM INC (Continued)**

**U003081784**

Desc Category: Plant Entrance (Freight)  
Method of Collection: GPS Code Meas. Standard Positioning Service SA Off  
District: Region 1 - SE Michigan District Office  
Tank ID: 5  
Capacity: 10000  
Tank Status: Removed from Ground  
Substance: Gasoline  
Install Date: 04/29/1971  
Remove Date: 12/01/1988  
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: 42.44963  
Longitude: -83.00157

Name: ALAA PETROLEUM INC  
Address: 11805 E 8 MILE RD  
City,State,Zip: WARREN 48089-3124  
Facility Type: ACTIVE  
Facility ID: 00005737  
Owner Name: ALAA PETROLEUM INC  
Owner Address: 11805 EAST 8 MILE RD  
Owner City: WARREN  
Owner State: MI  
Owner Zip: 48089  
Owner Contact: Not reported  
Owner Phone: 5869302738  
Contact: Hassan Houmani  
Contact Phone: (313) 582-2800  
Date of Collection: 10/21/2003  
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: GPS Code Meas. Standard Positioning Service SA Off  
District: Region 1 - SE Michigan District Office  
Tank ID: 4  
Capacity: 10000  
Tank Status: Removed from Ground  
Substance: Gasoline  
Install Date: 04/29/1971  
Remove Date: 12/01/1988  
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

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**ALAA PETROLEUM INC (Continued)**

**U003081784**

Latitude: 42.44963  
Longitude: -83.00157

Name: ALAA PETROLEUM INC  
Address: 11805 E 8 MILE RD  
City,State,Zip: WARREN 48089-3124  
Facility Type: ACTIVE  
Facility ID: 00005737  
Owner Name: ALAA PETROLEUM INC  
Owner Address: 11805 EAST 8 MILE RD  
Owner City: WARREN  
Owner State: MI  
Owner Zip: 48089  
Owner Contact: Not reported  
Owner Phone: 5869302738  
Contact: Hassan Houmani  
Contact Phone: (313) 582-2800  
Date of Collection: 10/21/2003  
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: GPS Code Meas. Standard Positioning Service SA Off  
District: Region 1 - SE Michigan District Office  
Tank ID: 3  
Capacity: 8000  
Tank Status: Removed from Ground  
Substance: Gasoline  
Install Date: 04/29/1971  
Remove Date: 12/01/1988  
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: 42.44963  
Longitude: -83.00157

Name: ALAA PETROLEUM INC  
Address: 11805 E 8 MILE RD  
City,State,Zip: WARREN 48089-3124  
Facility Type: ACTIVE  
Facility ID: 00005737  
Owner Name: ALAA PETROLEUM INC  
Owner Address: 11805 EAST 8 MILE RD  
Owner City: WARREN  
Owner State: MI  
Owner Zip: 48089  
Owner Contact: Not reported  
Owner Phone: 5869302738  
Contact: Hassan Houmani  
Contact Phone: (313) 582-2800

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**ALAA PETROLEUM INC (Continued)**

**U003081784**

Date of Collection: 10/21/2003  
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: GPS Code Meas. Standard Positioning Service SA Off  
District: Region 1 - SE Michigan District Office  
Tank ID: 2  
Capacity: 6000  
Tank Status: Removed from Ground  
Substance: Gasoline  
Install Date: 04/29/1971  
Remove Date: 12/01/1988  
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: 42.44963  
Longitude: -83.00157

Name: ALAA PETROLEUM INC  
Address: 11805 E 8 MILE RD  
City,State,Zip: WARREN 48089-3124  
Facility Type: ACTIVE  
Facility ID: 00005737  
Owner Name: ALAA PETROLEUM INC  
Owner Address: 11805 EAST 8 MILE RD  
Owner City: WARREN  
Owner State: MI  
Owner Zip: 48089  
Owner Contact: Not reported  
Owner Phone: 5869302738  
Contact: Hassan Houmani  
Contact Phone: (313) 582-2800  
Date of Collection: 10/21/2003  
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: GPS Code Meas. Standard Positioning Service SA Off  
District: Region 1 - SE Michigan District Office  
Tank ID: 1  
Capacity: 550  
Tank Status: Removed from Ground  
Substance: Used Oil  
Install Date: 04/29/1971  
Remove Date: 12/01/1988  
Tank Number: Not reported  
Tank Details Compartments: Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**ALAA PETROLEUM INC (Continued)**

**U003081784**

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: 42.44963  
Longitude: -83.00157

**INVENTORY:**

Name: ALAA PETROLEUM INC  
Address: 11805 E 8 MILE RD  
City,State,Zip: WARREN, MI 48089  
Township: Not reported  
District: Warren  
Data Source: Risk Controlled  
Lust Name: JJ & K Inc - Former Amoco Station #5352  
Regulatory Program: 213  
Release Status: Open  
Project Manager: Ethridge, Kimberly, A.  
Latitude: 42.44957343  
Longitude: -83.0016866

**FINANCIAL ASSURANCE 3:**

Name: ALAA PETROLEUM INC  
Address: 11805 E 8 MILE RD  
City,State,Zip: WARREN, MI 48089-3124  
Facility ID: 00005737  
Exempt: No  
Expiration Date: 12/06/2024  
Bond Rating Tests: Not reported  
Commerical Insurance: Not reported  
Guarantee: Not reported  
Letter of Credit: Not reported  
Risk Retention Group: Not reported  
Self Insurance: Not reported  
State Funds: CHECKED  
Surety Bond: Not reported  
Trust Funds: Not reported  
Year: 2022

**AC118  
WSW  
1/4-1/2  
0.474 mi.  
2504 ft.**

**HENDERSON PROPERTIES, LLC  
21555 & 21601 MULLIN AVENUE  
WARREN, MI**

**MI BEA S104912308  
N/A**

**Site 3 of 3 in cluster AC**

**Relative:  
Higher**

**BEA:**

**Actual:  
625 ft.**

Name: HENDERSON PROPERTIES, LLC  
Address: 21555 & 21601 MULLIN AVENUE  
City,State,Zip: WARREN, MI  
Secondary Address: Not reported  
BEA Number: 927  
District: Southeast MI  
Date Received: 06/25/1999  
Submitter Name: HENDERSON PROPERTIES, LLC  
Petition Determination: Affirmed

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**HENDERSON PROPERTIES, LLC (Continued)**

**S104912308**

Petition Disclosure: 1  
Category: S  
Determination 20107A: Pending  
Reviewer: ndukwee  
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  
Contact Zip Code: Not reported  
Contact State: Not reported

**AB119** 11955 AND 12345 EAST 9 MILE, 23270 HOOVER AND 2327  
**North** 11955 AND 12345 EAST 9 MILE; 23270; HOOVER AND 23276 WAGNER  
**1/4-1/2** WARREN, MI 48089  
**0.484 mi.**  
**2555 ft.** Site 3 of 3 in cluster AB

**MI INVENTORY** S126112803  
**MI VCP** N/A

**Relative:** INVENTORY:  
**Higher** Name: 11955 AND 12345 EAST 9 MILE, 23270 HOOVER AND 23276 WAGNER AVENUE  
**Actual:** Address: 11955 AND 12345 EAST 9 MILE, 23270, HOOVER AND 23276 WAGNER AVENUE  
**625 ft.** City,State,Zip: WARREN, MI 48089  
Township: Not reported  
District: Warren  
Data Source: Risks Not Determined  
Lust Name: Not reported  
Regulatory Program: 201  
Release Status: Not reported  
Project Manager: Adolphues, Ira  
Latitude: 42.46412551  
Longitude: -83.00283068

VCP:  
Location ID: 50500456  
Name: 11955 AND 12345 EAST 9 MILE, 23270 HOOVER AND 23276 WAGNER AVENUE  
Address: 11955 AND 12345 EAST 9 MILE; 23270; HOOVER AND 23276 WAGNER AVENUE  
City,State,Zip: WARREN, MI 48089  
Location Type: Part 201 site  
Township: Not reported  
Work Unit: Warren  
Project Manager: Adolphues, Ira

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

11955 AND 12345 EAST 9 MILE, 23270 HOOVER AND 23276 WAGNER A (Continued)

S126112803

Risk Condition: Risks Not Determined  
Latitude: 42.46412551  
Longitude: -83.00283068

120  
ENE  
1/4-1/2  
0.487 mi.  
2573 ft.

AMERICAN DRIVE TRAIN  
22449 GROESBECK HWY  
WARREN, MI 48089

MI LUST  
MI WDS

S102404776  
N/A

Relative:  
Higher

Actual:  
625 ft.

LUST:

Name: AMERICAN DRIVE TRAIN  
Address: 22449 GROESBECK HWY  
City,State,Zip: WARREN, MI 48089  
Facility ID: 50000364  
Source: Not reported  
Owner Name: Maalouf, Sam  
Owner Address: Not reported  
Owner City,St,Zip: Not reported  
Owner Contact: Not reported  
Owner Phone: 4026178716  
Country: Not reported  
District: Warren  
Site Name: American Drive Train  
Latitude: 42.46084  
Longitude: -82.9942  
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: 16081  
Release Date: 05/25/1990  
Substance Released: Not reported  
Release Status: Closed  
Release Closed Date: 07/13/1993

WDS:

Name: C & R MAINTENANCE  
Address: 22449 GROESBECK HWY  
City,State,Zip: WARREN, MI 48089  
Site Id: MIK741472666  
WMD Id: 425659  
Site Specific Name: RIZZO SERVICES  
Mailing Address: 22449 GROESBECK HWY  
Mailing City/State/Zip: 48089  
Mailing County: MACOMB

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

121  
NE  
1/2-1  
0.523 mi.  
2759 ft.

**WEYERHAUSER PAPER COMPANY**  
**12850 EAST 9 MILE**  
**WARREN, MI 48090**

**MI PART 201**  
**MI INVENTORY**  
**MI BEA**  
**MI VCP**

**S105144331**  
**N/A**

**Relative:**  
**Higher**

PART 201:

**Actual:**  
**625 ft.**

Facility ID: 50000108  
**Facility Status:** **Interim Response in progress**  
Source: Paper and Allied Products  
SAM Score: 29  
SAM Score Date: 09/26/1991  
Township: 01N  
Range: 12E  
Section: 35  
Quarter: NW  
Quarter/Quarter: NW  
Pollutants: Not reported

INVENTORY:

Name: WEYERHAUSER PAPER COMPANY  
Address: 12850 EAST 9 MILE  
City,State,Zip: WARREN, MI 48090  
Township: Not reported  
District: Warren  
Data Source: Risks Present and Require Action in Short-term  
Lust Name: Not reported  
Regulatory Program: 201  
Release Status: Not reported  
Project Manager: Ndukwe, Ernest  
Latitude: 42.464192  
Longitude: -83.049787

BEA:

Name: WEYERHAUSER PAPER COMPANY  
Address: 12850 EAST 9 MILE  
City,State,Zip: WARREN, MI 480902641  
Secondary Address: Not reported  
BEA Number: Not reported  
District: Not reported  
Date Received: 03/19/2009  
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: 50000108  
Submittal Type: Baseline Environmental Assessment  
Submittal Number: B200904150LV  
Approval Status: RRD Received  
Workflow Status: Submitted  
Date Submitted: 2009-03-20 11:15:27  
Date Completed: Not reported  
Township: Not reported  
Work Unit: Warren  
Comments: Two BEAs submitted for the same property - one for the owner and one

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**WEYERHAUSER PAPER COMPANY (Continued)**

**S105144331**

for the operator. Records Manager: Box 406, to Lansing on 9/22/17.  
Organization: Metro International Trade Services, LLC  
Contact: Jennifer Lagerbohm  
Contact Type: Submitter Contact  
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: WEYERHAUSER PAPER COMPANY  
Address: 12850 EAST 9 MILE  
City,State,Zip: WARREN, MI 480902641  
Secondary Address: Not reported  
BEA Number: Not reported  
District: Not reported  
Date Received: 03/19/2009  
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: 50000108  
Submittal Type: Baseline Environmental Assessment  
Submittal Number: B200904151LV  
Approval Status: RRD Received  
Workflow Status: Submitted  
Date Submitted: 2009-03-20 11:20:02  
Date Completed: Not reported  
Township: Not reported  
Work Unit: Warren  
Comments: Two BEAs submitted for the same property - one for the owner and one for the operator. PS Records Manager: Box 406, to Lansing on 9/22/17.

Organization: Warren Real Estate Enterprises, LLC  
Contact: Jennifer Lagerbohm  
Contact Type: Submitter Contact  
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

**VCP:**

Location ID: 50000108  
Name: WEYERHAUSER PAPER COMPANY  
Address: 12850 EAST 9 MILE  
City,State,Zip: WARREN, MI 48090

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**WEYERHAUSER PAPER COMPANY (Continued)**

**S105144331**

Location Type: Part 201 site  
Township: Not reported  
Work Unit: Warren  
Project Manager: Ndukwe, Ernest  
Risk Condition: Risks Present and Require Action in Short-term  
Latitude: 42.464192  
Longitude: -83.049787

**122**  
**SSW**  
**1/2-1**  
**0.616 mi.**  
**3252 ft.**

**CARBOLOY CO SITE**  
**11177 E. EIGHT MILE ROAD**  
**DETROIT, MI**

**FUSRAP** **1016603258**  
**N/A**

**Relative:**  
**Higher**  
**Actual:**  
**625 ft.**

**FUSRAP:**  
Site Name: CARBOLOY CO SITE  
Site Id: MI 12  
Site Status: Eliminated from further consideration under FUSRAP - AEC licensed facility  
Designated Name: Not Designated  
Alternate Name: Carboloy Co - MI 12; General Electric Metallurgical Products Department; General Electric Co.  
Location Street Address: 11177 E. EIGHT MILE ROAD  
Location City: DETROIT  
Location State: MI  
Location County: Not reported  
Site Operations: Turned-down the outer diameter of uranium metal slugs and conducted pilot plant scale operations for hot pressing uranium dioxide pellets into different solid shapes of fuel elements.  
  
Site Disposition: Eliminated - AEC licensed  
Radioactive Materials Handled: Yes  
Primary Radioactive Materials Handled: Uranium  
Radiological Survey(S): Yes  
LM Site: Not reported  
Considered Name: Carboloy Co  
Site Summary: Not reported  
Website URL: <https://lmpublicsearch.lm.doe.gov/SitePages/ConsideredSites.aspx?sitename=Carboloy%20Co>

**123**  
**SW**  
**1/2-1**  
**0.672 mi.**  
**3548 ft.**

**CARBOLOY INCORPORATED**  
**11177 EAST EIGHT MILE ROAD**  
**WARREN, MI 48089**

**SEMS-ARCHIVE** **1000213201**  
**CORRACTS** **MID044254423**  
**RCRA-TSDF**  
**MI LUST**  
**MI UST**  
**MI DEL PART 201**  
**RCRA NonGen / NLR**  
**MI AIRS**  
**MI BEA**  
**NY MANIFEST**  
**MI WDS**

**Relative:**  
**Higher**  
**Actual:**  
**625 ft.**

**SEMS Archive:**  
Site ID: 0507217  
EPA ID: MID044254423  
Name: CARBOLOY INCORPORATED  
Address: 11177 EAST EIGHT MILE ROAD  
Address 2: Not reported  
City,State,Zip: WARREN, MI 48089

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**CARBOLOY INCORPORATED (Continued)**

**1000213201**

Cong District: 12  
FIPS Code: 26099  
FF: N  
NPL: Not on the NPL  
Non NPL Status: Deferred to RCRA (Subtitle C)

**SEMS Archive Detail:**

Region: 05  
Site ID: 0507217  
EPA ID: MID044254423  
Site Name: CARBOLOY INCORPORATED  
NPL: N  
FF: N  
OU: 00  
Action Code: VS  
Action Name: ARCH SITE  
SEQ: 1  
Start Date: Not reported  
Finish Date: 1995-12-18 05:00:00  
Qual: Not reported  
Current Action Lead: EPA Perf In-Hse

Region: 05  
Site ID: 0507217  
EPA ID: MID044254423  
Site Name: CARBOLOY INCORPORATED  
NPL: N  
FF: N  
OU: 00  
Action Code: DS  
Action Name: DISCVRY  
SEQ: 1  
Start Date: 1992-03-09 05:00:00  
Finish Date: 1992-03-09 05:00:00  
Qual: Not reported  
Current Action Lead: EPA Perf

Region: 05  
Site ID: 0507217  
EPA ID: MID044254423  
Site Name: CARBOLOY INCORPORATED  
NPL: N  
FF: N  
OU: 00  
Action Code: PA  
Action Name: PA  
SEQ: 1  
Start Date: Not reported  
Finish Date: 1993-03-30 05:00:00  
Qual: D  
Current Action Lead: EPA Perf

**CORRACTS:**

Name: SECO TOOLS INC  
Address: 11177 E 8 MILE RD  
Address 2: Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**CARBOLOY INCORPORATED (Continued)**

**1000213201**

EPA ID: MID044254423  
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: N  
Surface Water Release Indicator: N

Name: SECO TOOLS INC  
Address: 11177 E 8 MILE RD  
Address 2: Not reported  
EPA ID: MID044254423  
Area Name: ENTIRE FACILITY  
Corrective Action: CA PRIORITIZATION-LOW CA PRIORITY  
Actual Date: 19920928  
Air Release Indicator: N  
Groundwater Release Indicator: Not reported  
Soil Release Indicator: N  
Surface Water Release Indicator: N

**RCRA TSD:**

Treatment Storage and Disposal Type:	Storage
Full Enforcement Universe:	Not reported
Corrective Action Workload Universe:	No
Permit Renewals Workload Universe:	Not reported
Permit Workload Universe:	Not reported
Permit Progress Universe:	Storage
Post-Closure Workload Universe:	Not reported
Closure Workload Universe:	Not reported
Operating TSD Universe:	Not reported
Commercial TSD Indicator:	No
Active Site Fed-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site Converter Treatment storage and Disposal Facility:	Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:	Not reported
TSDs Potentially Subject to CA Under 3004 (u)/(v) Universe:	No
TSDs Only Subject to CA under Discretionary Auth Universe:	Yes

**Biennial: List of Years**

Year: 2005

[Click Here for Biennial Reporting System Data:](#)

**LUST:**

Name: CARBOLOY INC  
Address: 11177 E 8 MILE RD  
City,State,Zip: WARREN, MI 48089  
Facility ID: 17122  
Source: Not reported  
Owner Name: Wood Products, Stephan  
Owner Address: Not reported  
Owner City,St,Zip: Not reported  
Owner Contact: Not reported  
Owner Phone: Not reported  
Country: Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**CARBOLOY INCORPORATED (Continued)**

**1000213201**

District: Warren  
Site Name: Carboloy Inc  
Latitude: 42.44911  
Longitude: -83.00884  
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: 14685  
Release Date: 02/11/1989  
Substance Released: Not reported  
Release Status: Closed  
Release Closed Date: 02/07/1994

Leak Number: 15734  
Release Date: 12/26/1989  
Substance Released: Not reported  
Release Status: Closed  
Release Closed Date: 02/07/1994

Leak Number: C-1099-89  
Release Date: 02/11/1989  
Substance Released: Not reported  
Release Status: Closed  
Release Closed Date: 02/07/1994

Leak Number: C-1214-89  
Release Date: 12/26/1989  
Substance Released: Not reported  
Release Status: Closed  
Release Closed Date: 02/07/1994

**UST:**

Name: CARBOLOY INC  
Address: 11177 E 8 MILE RD  
City,State,Zip: WARREN 48089-4033  
Facility Type: CLOSED  
Facility ID: 00017122  
Owner Name: CARBOLOY INC  
Owner Address: 11177 E 8 MILE RD  
Owner City: WARREN  
Owner State: MI  
Owner Zip: 48089-3071  
Owner Contact: Not reported  
Owner Phone: 8104975000  
Contact: BARRY A MOSER  
Contact Phone: (810) 497-5499

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**CARBOLOY INCORPORATED (Continued)**

**1000213201**

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: Region 1 - SE Michigan District Office  
Tank ID: 5  
Capacity: 1000  
Tank Status: Closed in Ground  
Substance: Hazardous Substance(ACETONE,6)  
Install Date: 05/06/1977  
Remove Date: 07/23/1991  
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: 42.44911  
Longitude: -83.00884

Name: CARBOLOY INC  
Address: 11177 E 8 MILE RD  
City,State,Zip: WARREN 48089-4033  
Facility Type: CLOSED  
Facility ID: 00017122  
Owner Name: CARBOLOY INC  
Owner Address: 11177 E 8 MILE RD  
Owner City: WARREN  
Owner State: MI  
Owner Zip: 48089-3071  
Owner Contact: Not reported  
Owner Phone: 8104975000  
Contact: BARRY A MOSER  
Contact Phone: (810) 497-5499  
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: Region 1 - SE Michigan District Office  
Tank ID: 4  
Capacity: 2000  
Tank Status: Removed from Ground  
Substance: Gasoline  
Install Date: 05/06/1973  
Remove Date: 05/01/1989  
Tank Number: Not reported  
Tank Details Compartments: Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**CARBOLOY INCORPORATED (Continued)**

**1000213201**

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:	42.44911
Longitude:	-83.00884
Name:	CARBOLOY INC
Address:	11177 E 8 MILE RD
City,State,Zip:	WARREN 48089-4033
Facility Type:	CLOSED
Facility ID:	00017122
Owner Name:	CARBOLOY INC
Owner Address:	11177 E 8 MILE RD
Owner City:	WARREN
Owner State:	MI
Owner Zip:	48089-3071
Owner Contact:	Not reported
Owner Phone:	8104975000
Contact:	BARRY A MOSER
Contact Phone:	(810) 497-5499
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:	Region 1 - SE Michigan District Office
Tank ID:	3
Capacity:	4000
Tank Status:	Removed from Ground
Substance:	Hazardous Substance(HEXANE,1)
Install Date:	05/06/1984
Remove Date:	05/20/1998
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:	42.44911
Longitude:	-83.00884
Name:	CARBOLOY INC
Address:	11177 E 8 MILE RD
City,State,Zip:	WARREN 48089-4033
Facility Type:	CLOSED
Facility ID:	00017122
Owner Name:	CARBOLOY INC
Owner Address:	11177 E 8 MILE RD
Owner City:	WARREN

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**CARBOLOY INCORPORATED (Continued)**

**1000213201**

Owner State: MI  
Owner Zip: 48089-3071  
Owner Contact: Not reported  
Owner Phone: 8104975000  
Contact: BARRY A MOSER  
Contact Phone: (810) 497-5499  
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: Region 1 - SE Michigan District Office  
Tank ID: 2  
Capacity: 8000  
Tank Status: Removed from Ground  
Substance: Hazardous Substance(ACETONE,6)  
Install Date: 05/06/1984  
Remove Date: 05/21/1998  
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: 42.44911  
Longitude: -83.00884

Name: CARBOLOY INC  
Address: 11177 E 8 MILE RD  
City,State,Zip: WARREN 48089-4033  
Facility Type: CLOSED  
Facility ID: 00017122  
Owner Name: CARBOLOY INC  
Owner Address: 11177 E 8 MILE RD  
Owner City: WARREN  
Owner State: MI  
Owner Zip: 48089-3071  
Owner Contact: Not reported  
Owner Phone: 8104975000  
Contact: BARRY A MOSER  
Contact Phone: (810) 497-5499  
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: Region 1 - SE Michigan District Office  
Tank ID: 1  
Capacity: 8000

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**CARBOLOY INCORPORATED (Continued)**

**1000213201**

Tank Status: Removed from Ground  
Substance: Hazardous Substance(ACETONE,6)  
Install Date: 05/06/1973  
Remove Date: 05/21/1998  
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: 42.44911  
Longitude: -83.00884

**DEL\_PART201:**

Facility ID: 50000011  
Status: Delisted - no longer meets criteria specified in rules

**RCRA Listings:**

Date Form Received by Agency: 20090608  
Handler Name: Seco Tools Inc  
Handler Address: 11177 E 8 MILE RD  
Handler City,State,Zip: WARREN, MI 48089  
EPA ID: MID044254423  
Contact Name: JIM BROOKS  
Contact Address: 11177 E 8 MILE RD  
Contact City,State,Zip: WARREN, MI 48089  
Contact Telephone: 248-528-5540  
Contact Fax: Not reported  
Contact Email: Not reported  
Contact Title: Not reported  
EPA Region: 05  
Land Type: Other  
Federal Waste Generator Description: Not a generator, verified  
Non-Notifier: Not reported  
Biennial Report Cycle: Not reported  
Accessibility: Not reported  
Active Site Indicator: Not reported  
State District Owner: Not reported  
State District: Not reported  
Mailing Address: 11177 E 8 MILE RD  
Mailing City,State,Zip: WARREN, MI 48089  
Owner Name: No Active O/Op As Not Generating Waste  
Owner Type: Private  
Operator Name: No Active O/Op As Not Generating Waste  
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

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**CARBOLOY INCORPORATED (Continued)**

**1000213201**

Off-Site Waste Receipt:	No
Universal Waste Indicator:	No
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:	Yes
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
Corrective Action Priority Ranking:	Low
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
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

Biennial: List of Years

Year: 2005

[Click Here for Biennial Reporting System Data:](#)

Hazardous Waste Summary:

Waste Code:	D001
Waste Description:	Ignitable Waste

Handler - Owner Operator:

Owner/Operator Indicator:	Operator
Owner/Operator Name:	CARBOLOY INC
Legal Status:	Private
Date Became Current:	19870925
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:	NO ACTIVE O/OP AS NOT GENERATING WASTE

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**CARBOLOY INCORPORATED (Continued)**

**1000213201**

Legal Status: Private  
Date Became Current: 20080920  
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: CARBOLOY INC

Legal Status: Private  
Date Became Current: 19870925  
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: NO ACTIVE O/OP AS NOT GENERATING WASTE

Legal Status: Private  
Date Became Current: 20080920  
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: NO ACTIVE O/OP AS NOT GENERATING WASTE

Legal Status: Private  
Date Became Current: 20080920  
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: NO ACTIVE O/OP AS NOT GENERATING WASTE

Legal Status: Private  
Date Became Current: 20080920  
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

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**CARBOLOY INCORPORATED (Continued)**

**1000213201**

Owner/Operator Indicator: Operator  
Owner/Operator Name: NO ACTIVE O/OP AS NOT GENERATING WASTE  
Legal Status: Private  
Date Became Current: 20080920  
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: NO ACTIVE O/OP AS NOT GENERATING WASTE  
Legal Status: Private  
Date Became Current: 20080920  
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: NO ACTIVE O/OP AS NOT GENERATING WASTE  
Legal Status: Private  
Date Became Current: 19930210  
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: NO ACTIVE O/OP AS NOT GENERATING WASTE  
Legal Status: Private  
Date Became Current: 20080920  
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: NO ACTIVE O/OP AS NOT GENERATING WASTE  
Legal Status: Private  
Date Became Current: 20080920  
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

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**CARBOLOY INCORPORATED (Continued)**

**1000213201**

Owner/Operator Fax: Not reported  
Owner/Operator Email: Not reported  
  
Owner/Operator Indicator: Operator  
Owner/Operator Name: NO ACTIVE O/OP AS NOT GENERATING WASTE  
Legal Status: Private  
Date Became Current: 20080920  
Date Ended Current: Not reported  
Owner/Operator Address: 11177 E 8 MILE RD  
Owner/Operator City,State,Zip: WARREN, MI 48089-3071  
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: NO ACTIVE O/OP AS NOT GENERATING WASTE  
Legal Status: Private  
Date Became Current: 20080920  
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: NO ACTIVE O/OP AS NOT GENERATING WASTE  
Legal Status: Private  
Date Became Current: 20080920  
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: NO ACTIVE O/OP AS NOT GENERATING WASTE  
Legal Status: Private  
Date Became Current: 20080920  
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: NO ACTIVE O/OP AS NOT GENERATING WASTE  
Legal Status: Private  
Date Became Current: 20080920  
Date Ended Current: Not reported  
Owner/Operator Address: Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**CARBOLOY INCORPORATED (Continued)**

**1000213201**

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: NO ACTIVE O/OP AS NOT GENERATING WASTE  
Legal Status: Private  
Date Became Current: 20080920  
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: NO ACTIVE O/OP AS NOT GENERATING WASTE  
Legal Status: Private  
Date Became Current: 19930210  
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: NO ACTIVE O/OP AS NOT GENERATING WASTE  
Legal Status: Private  
Date Became Current: 20080920  
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: NO ACTIVE O/OP AS NOT GENERATING WASTE  
Legal Status: Private  
Date Became Current: 20080920  
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: NO ACTIVE O/OP AS NOT GENERATING WASTE  
Legal Status: Private

Map ID  
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MAP FINDINGS

Site

Database(s)

EDR ID Number  
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**CARBOLOY INCORPORATED (Continued)**

**1000213201**

Date Became Current: 20080920  
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: NO ACTIVE O/OP AS NOT GENERATING WASTE  
Legal Status: Private  
Date Became Current: 20080920  
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: NO ACTIVE O/OP AS NOT GENERATING WASTE  
Legal Status: Private  
Date Became Current: 20080920  
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: NO ACTIVE O/OP AS NOT GENERATING WASTE  
Legal Status: Private  
Date Became Current: 20080920  
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: NO ACTIVE O/OP AS NOT GENERATING WASTE  
Legal Status: Private  
Date Became Current: 20080920  
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

Map ID  
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MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**CARBOLOY INCORPORATED (Continued)**

**1000213201**

Owner/Operator Indicator:	Owner
Owner/Operator Name:	NO ACTIVE O/OP AS NOT GENERATING WASTE
Legal Status:	Private
Date Became Current:	20080920
Date Ended Current:	Not reported
Owner/Operator Address:	11177 E 8 MILE RD
Owner/Operator City,State,Zip:	WARREN, MI 48089-3071
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:	19801119
Handler Name:	SECO TOOLS INC
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:	19950731
Handler Name:	SECO TOOLS INC
Federal Waste Generator Description:	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:	No
Non Storage Recycler Activity:	Not reported
Electronic Manifest Broker:	Not reported

Receive Date:	20020911
Handler Name:	SECO TOOLS INC
Federal Waste Generator Description:	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:	No
Non Storage Recycler Activity:	Not reported
Electronic Manifest Broker:	Not reported

Receive Date:	19930209
Handler Name:	SECO TOOLS INC
Federal Waste Generator Description:	Not a generator, verified
State District Owner:	Not reported
Large Quantity Handler of Universal Waste:	No

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**CARBOLOY INCORPORATED (Continued)**

**1000213201**

Recognized Trader Importer: Not reported  
Recognized Trader Exporter: Not reported  
Spent Lead Acid Battery Importer: Not reported  
Spent Lead Acid Battery Exporter: Not reported  
Current Record: No  
Non Storage Recycler Activity: Not reported  
Electronic Manifest Broker: Not reported

Receive Date: 19800818  
Handler Name: SECO TOOLS INC  
Federal Waste Generator Description: 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: No  
Non Storage Recycler Activity: Not reported  
Electronic Manifest Broker: Not reported

Receive Date: 20020913  
Handler Name: SECO TOOLS INC  
Federal Waste Generator Description: 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: No  
Non Storage Recycler Activity: Not reported  
Electronic Manifest Broker: Not reported

Receive Date: 20040429  
Handler Name: SECO TOOLS INC  
Federal Waste Generator Description: Small Quantity Generator  
State District Owner: Not reported  
Large Quantity Handler of Universal Waste: Yes  
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: 20060428  
Handler Name: SECO TOOLS INC  
Federal Waste Generator Description: 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: No

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**CARBOLOY INCORPORATED (Continued)**

**1000213201**

Non Storage Recycler Activity: Not reported  
Electronic Manifest Broker: Not reported

Receive Date: 20060428  
Handler Name: SECO TOOLS INC  
Federal Waste Generator Description: 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: No  
Non Storage Recycler Activity: Not reported  
Electronic Manifest Broker: Not reported

Receive Date: 20080429  
Handler Name: SECO TOOLS INC  
Federal Waste Generator Description: 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: No  
Non Storage Recycler Activity: Not reported  
Electronic Manifest Broker: Not reported

Receive Date: 20090608  
Handler Name: SECO TOOLS INC  
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: Yes  
Non Storage Recycler Activity: Not reported  
Electronic Manifest Broker: Not reported

Receive Date: 19930209  
Handler Name: GENERAL ELECTRIC CO  
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: 19900606  
Handler Name: CARBOLOY INC.

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**CARBOLOY INCORPORATED (Continued)**

**1000213201**

Federal Waste Generator Description:	Large 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:	No
Non Storage Recycler Activity:	Not reported
Electronic Manifest Broker:	Not reported

Receive Date:	20060301
Handler Name:	CARBOLOY INC
Federal Waste Generator Description:	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:	No
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:	333515
NAICS Description:	CUTTING TOOL AND MACHINE TOOL ACCESSORY MANUFACTURING

Has the Facility Received Notices of Violations:

Found Violation:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	TSD - Financial Requirements
Date Violation was Determined:	19890309
Actual Return to Compliance Date:	19890705
Return to Compliance Qualifier:	Observed
Violation Responsible Agency:	State
Scheduled Compliance Date:	19890414
Enforcement Identifier:	002
Date of Enforcement Action:	19890315
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:	WRITTEN INFORMAL
Enforcement Responsible Person:	Not reported

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MAP FINDINGS

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Database(s)

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EPA ID Number

**CARBOLOY INCORPORATED (Continued)**

**1000213201**

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:	TSD - Financial Requirements
Date Violation was Determined:	19920423
Actual Return to Compliance Date:	19920520
Return to Compliance Qualifier:	Observed
Violation Responsible Agency:	State
Scheduled Compliance Date:	19920505
Enforcement Identifier:	007
Date of Enforcement Action:	19920423
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:	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

Map ID  
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MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**CARBOLOY INCORPORATED (Continued)**

**1000213201**

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
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:	TSD - General
Date Violation was Determined:	19900206
Actual Return to Compliance Date:	19901019
Return to Compliance Qualifier:	Observed
Violation Responsible Agency:	State
Scheduled Compliance Date:	19900302
Enforcement Identifier:	005
Date of Enforcement Action:	19900216
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:	WRITTEN INFORMAL
Enforcement Responsible Person:	Not reported

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Database(s)

EDR ID Number  
EPA ID Number

**CARBOLOY INCORPORATED (Continued)**

**1000213201**

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:	LDR - General
Date Violation was Determined:	19880315
Actual Return to Compliance Date:	19880622
Return to Compliance Qualifier:	Observed
Violation Responsible Agency:	State
Scheduled Compliance Date:	19880503
Enforcement Identifier:	001
Date of Enforcement Action:	19880323
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:	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:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	LDR - General
Date Violation was Determined:	19890309
Actual Return to Compliance Date:	19890705

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Database(s)

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**CARBOLOY INCORPORATED (Continued)**

**1000213201**

Return to Compliance Qualifier:	Observed
Violation Responsible Agency:	State
Scheduled Compliance Date:	19890414
Enforcement Identifier:	002
Date of Enforcement Action:	19890315
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:	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:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	Permits - Conditions
Date Violation was Determined:	20011218
Actual Return to Compliance Date:	20020614
Return to Compliance Qualifier:	Documented
Violation Responsible Agency:	State
Scheduled Compliance Date:	20020218
Enforcement Identifier:	001
Date of Enforcement Action:	20011218
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:	WRITTEN INFORMAL
Enforcement Responsible Person:	Not reported

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Database(s)

EDR ID Number  
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**CARBOLOY INCORPORATED (Continued)**

**1000213201**

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  
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: TSD - General  
Date Violation was Determined: 19890309  
Actual Return to Compliance Date: 19890705

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**CARBOLOY INCORPORATED (Continued)**

**1000213201**

Return to Compliance Qualifier:	Observed
Violation Responsible Agency:	State
Scheduled Compliance Date:	19890414
Enforcement Identifier:	002
Date of Enforcement Action:	19890315
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:	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

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**CARBOLOY INCORPORATED (Continued)**

**1000213201**

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:	LDR - General
Date Violation was Determined:	19890309
Actual Return to Compliance Date:	19890705
Return to Compliance Qualifier:	Observed
Violation Responsible Agency:	State
Scheduled Compliance Date:	19890414
Enforcement Identifier:	002
Date of Enforcement Action:	19890315
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:	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

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**CARBOLOY INCORPORATED (Continued)**

**1000213201**

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
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:	LDR - General
Date Violation was Determined:	19880315
Actual Return to Compliance Date:	19880622
Return to Compliance Qualifier:	Observed
Violation Responsible Agency:	State
Scheduled Compliance Date:	19880503
Enforcement Identifier:	001
Date of Enforcement Action:	19880323
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:	WRITTEN INFORMAL
Enforcement Responsible Person:	Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**CARBOLOY INCORPORATED (Continued)**

**1000213201**

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:	TSD - Financial Requirements
Date Violation was Determined:	19910305
Actual Return to Compliance Date:	19911022
Return to Compliance Qualifier:	Observed
Violation Responsible Agency:	State
Scheduled Compliance Date:	19910320
Enforcement Identifier:	006
Date of Enforcement Action:	19910305
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:	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

Evaluation Action Summary:	
Evaluation Date:	19890309
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	FINANCIAL RECORD REVIEW

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**CARBOLOY INCORPORATED (Continued)**

**1000213201**

Evaluation Responsible Person Identifier:	Not reported
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	19890705
Scheduled Compliance Date:	19890414
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	19920423
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	FINANCIAL RECORD REVIEW
Evaluation Responsible Person Identifier:	Not reported
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	19920520
Scheduled Compliance Date:	19920505
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	19910221
Evaluation Responsible Agency:	State
Found Violation:	No
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
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:	19900206
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	Not reported
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	19901019
Scheduled Compliance Date:	19900302
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	19880315
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	Not reported
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	19880622
Scheduled Compliance Date:	19880503
Date of Request:	Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**CARBOLOY INCORPORATED (Continued)**

**1000213201**

Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	19890309
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	Not reported
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	19890705
Scheduled Compliance Date:	19890414
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:	20020614
Scheduled Compliance Date:	20020218
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	19900402
Evaluation Responsible Agency:	State
Found Violation:	No
Evaluation Type Description:	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:	19890309
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	Not reported
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	19890705
Scheduled Compliance Date:	19890414
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	19910305

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**CARBOLOY INCORPORATED (Continued)**

**1000213201**

Evaluation Responsible Agency:	EPA-Initiated Oversight/Observation/Training Actions
Found Violation:	No
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
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:	19890309
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	Not reported
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	19890705
Scheduled Compliance Date:	19890414
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	19970116
Evaluation Responsible Agency:	State
Found Violation:	No
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
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:	19880315
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	Not reported
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	19880622
Scheduled Compliance Date:	19880503
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	19910305
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	FINANCIAL RECORD REVIEW
Evaluation Responsible Person Identifier:	Not reported
Evaluation Responsible Sub-Organization:	Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**CARBOLOY INCORPORATED (Continued)**

**1000213201**

Actual Return to Compliance Date: 19911022  
Scheduled Compliance Date: 19910320  
Date of Request: Not reported  
Date Response Received: Not reported  
Request Agency: Not reported  
Former Citation: Not reported

**AIRS:**

Name: GENERAL ELECTRIC COMPANY  
Address: 11177 E 8 MILE ROAD  
City,State,Zip: WARREN, MI 48089  
State Registration Number: B1775  
Naics Code: Not reported  
Contact Email: Not reported  
Contact Name: Not reported  
Contact Phone: Not reported  
Contact Address: (same as site address)  
Contact City,St,Zip: Not reported  
Permit Number: 267-72  
Date Received: 10/31/1972  
Application Reason: ZIRCOMIA SLAB CLEANING BAGHOUSE  
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

Map ID  
Direction  
Distance  
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MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**CARBOLOY INCORPORATED (Continued)**

**1000213201**

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:	CARBOLOY INC
Address:	11177 E 8 MILE RD
City,State,Zip:	WARREN, MI 48089
Secondary Address:	Not reported
BEA Number:	Not reported
District:	Not reported
Date Received:	02/09/2010
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:	00017122
Submittal Type:	Baseline Environmental Assessment
Submittal Number:	B201004372LV
Approval Status:	RRD Received
Workflow Status:	Submitted
Date Submitted:	2010-02-11 14:22:21
Date Completed:	Not reported
Township:	Not reported
Work Unit:	Warren
Comments:	Records Manager: Box 431, to Lansing on 2/2/18.
Organization:	ALI 8 Mile, LLC
Contact:	Grant W. DeWitt
Contact Type:	Submitter Contact
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

**CARBOLOY INCORPORATED (Continued)**

**1000213201**

**NY MANIFEST:**

Name: CARBOLOY INCORPORATED  
Address: 11177 E 8 MILE RD  
City,State,Zip: WARREN, MI 48089  
Country: USA  
EPA ID: MID044254423  
Facility Status: Not reported  
Location Address 1: 11177 EAST EIGHT MILE ROAD  
Code: BP  
Location Address 2: Not reported  
Total Tanks: Not reported  
Location City: WARREN  
Location State: MI  
Location Zip: 48089  
Location Zip 4: Not reported

**NY MANIFEST:**

EPAID: MID044254423  
Mailing Name: CARBOLOY INCORPORATED  
Mailing Contact: TIM KROCHTA  
Mailing Address 1: 11177 EAST EIGHT MILE ROAD  
Mailing Address 2: Not reported  
Mailing City: WARREN  
Mailing State: MI  
Mailing Zip: 48089  
Mailing Zip 4: Not reported  
Mailing Country: USA  
Mailing Phone: 3134975510

**WDS:**

Name: SECO TOOLS INC  
Address: 11177 E 8 MILE RD  
City,State,Zip: WARREN, MI 48089  
Site Id: MID044254423  
WMD Id: 395621  
Site Specific Name: SECO TOOLS INC  
Mailing Address: 11177 E 8 MILE RD  
Mailing City/State/Zip: 48089  
Mailing County: MACOMB

**124**  
**South**  
**1/2-1**  
**0.700 mi.**  
**3694 ft.**  
  
**Relative:**  
**Higher**  
  
**Actual:**  
**625 ft.**

**INLAND TOOL AND MFG**  
**20263 HOOVER ST**  
**DETROIT, MI 48205**

**MI INVENTORY** **1000529593**  
**MI PART 201** **MID985620616**  
**RCRA NonGen / NLR**  
**FINDS**  
**ECHO**  
**MI BEA**  
**MI WDS**  
**MI VCP**

**INVENTORY:**

Name: INLAND TOOL & MANUFACTURING - FORMER  
Address: 20263 HOOVER STREET  
City,State,Zip: DETROIT, MI 48205  
Township: Detroit  
District: Detroit  
Data Source: Risks Present and Require Action in Short-term

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**INLAND TOOL AND MFG (Continued)**

**1000529593**

Lust Name: Not reported  
Regulatory Program: 201  
Release Status: Not reported  
Project Manager: Vens, Beth  
Latitude: 42.447374  
Longitude: -83.005384

**PART 201:**

Facility ID: 82001413  
**Facility Status: Interim Response in progress**  
Source: Fabricated Metal Products  
SAM Score: 30  
SAM Score Date: 08/12/1992  
Township: 01S  
Range: 12E  
Section: 3  
Quarter: NE  
Quarter/Quarter: NE  
Pollutants: PNAs

**RCRA Listings:**

Date Form Received by Agency: 19980127  
Handler Name: Inland Tool And Mfg  
Handler Address: 20263 HOOVER ST  
Handler City,State,Zip: DETROIT, MI 48205  
EPA ID: MID985620616  
Contact Name: NO CONTACT NAME NO  
Contact Address: 20263 HOOVER ST  
Contact City,State,Zip: DETROIT, MI 48205  
Contact Telephone: 313-555-1212  
Contact Fax: Not reported  
Contact Email: Not reported  
Contact Title: Not reported  
EPA Region: 05  
Land Type: Other  
Federal Waste Generator Description: Not a generator, verified  
Non-Notifier: Not reported  
Biennial Report Cycle: Not reported  
Accessibility: Not reported  
Active Site Indicator: Not reported  
State District Owner: Not reported  
State District: Not reported  
Mailing Address: 400 RENAISSANCE CTR  
Mailing City,State,Zip: DETROIT, MI 48243  
Owner Name: No Active O/Op As Not Generating Waste  
Owner Type: Private  
Operator Name: No Active O/Op As Not Generating Waste  
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

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**INLAND TOOL AND MFG (Continued)**

**1000529593**

Underground Injection Control:	No
Off-Site Waste Receipt:	No
Universal Waste Indicator:	No
Universal Waste Destination Facility:	No
Federal Universal Waste:	No
Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	NN
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:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
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:	Not reported
Manifest Broker:	Not reported
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:	NO ACTIVE O/OP AS NOT GENERATING WASTE
Legal Status:	Private
Date Became Current:	19700103
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:	NO ACTIVE O/OP AS NOT GENERATING WASTE
Legal Status:	Private
Date Became Current:	19700103
Date Ended Current:	Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**INLAND TOOL AND MFG (Continued)**

**1000529593**

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: NO ACTIVE O/OP AS NOT GENERATING WASTE  
Legal Status: Private  
Date Became Current: 19700103  
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: NO ACTIVE O/OP AS NOT GENERATING WASTE  
Legal Status: Private  
Date Became Current: 19700103  
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: 19980127  
Handler Name: INLAND TOOL AND MFG  
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: Yes  
Non Storage Recycler Activity: Not reported  
Electronic Manifest Broker: Not reported

Receive Date: 19910808  
Handler Name: INLAND TOOL AND MFG  
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

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**INLAND TOOL AND MFG (Continued)**

**1000529593**

List of NAICS Codes and Descriptions:

NAICS Code: 333513  
NAICS Description: MACHINE TOOL (METAL FORMING TYPES) MANUFACTURING

Has the Facility Received Notices of Violations:

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  
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: 19980113  
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

**INLAND TOOL AND MFG (Continued)**

**1000529593**

**FINDS:**

Registry ID: 110003661822

[Click Here for FRS Facility Detail Report:](#)

**Environmental Interest/Information System:**

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

[Click this hyperlink](#) while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

**ECHO:**

Envid: 1000529593  
Registry ID: 110003661822  
DFR URL: <http://echo.epa.gov/detailed-facility-report?fid=110003661822>  
Name: INLAND TOOL AND MFG  
Address: 20263 HOOVER ST  
City,State,Zip: DETROIT, MI 48205

**BEA:**

Name: TOWER PROPERTY  
Address: 20263 HOOVER STREET  
City,State,Zip: DETROIT, MI 48205  
Secondary Address: Not reported  
BEA Number: 4930  
District: Southeast MI  
Date Received: 09/29/2011  
Submitter Name: Tower Defense & Aerospace, LLC  
Petition Determination: No Request  
Petition Disclosure: 0  
Category: Not reported  
Determination 20107A: No Request  
Reviewer: thorn top  
Division Assigned: RD  
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

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**INLAND TOOL AND MFG (Continued)**

**1000529593**

Contact Street Address:	Not reported
Contact City:	Not reported
Contact Zip Code:	Not reported
Contact State:	Not reported
Name:	INLAND TOOL AND MANUF FORMER
Address:	20263 HOOVER ROAD
City,State,Zip:	DETROIT, MI 48205
Secondary Address:	Not reported
BEA Number:	Not reported
District:	Not reported
Date Received:	09/29/2011
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:	82001413
Submittal Type:	Baseline Environmental Assessment
Submittal Number:	B201104930LV
Approval Status:	RRD Received
Workflow Status:	Submitted
Date Submitted:	2011-10-05 14:15:06
Date Completed:	Not reported
Township:	Detroit
Work Unit:	Warren
Comments:	This portion of the property operated by Tower Defense is currently utilized for metal parts prototype manufacturing including machining, welding and assembly. Hazardous substance use includes compressed gasses and limited petroleum products. Formerly occupied by Inland Tool and Mfg, property has been in industrial use since 1929. UST's were installed and removed at this property and the current status of USTs at the property is unknown. No investigation conducted for this BEA, relied on resul
Organization:	Tower Defense & Aerospace, LLC
Contact:	Erin Busby
Contact Type:	Submitter Contact
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:	INLAND TOOL & MANUFACTURING - FORMER
Address:	20263 HOOVER STREET
City,State,Zip:	DETROIT, MI 48205
Secondary Address:	Not reported
BEA Number:	Not reported
District:	Not reported
Date Received:	09/29/2011
Submitter Name:	Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**INLAND TOOL AND MFG (Continued)**

**1000529593**

Petition Determination:	Not reported
Petition Disclosure:	Not reported
Category:	Not reported
Determination 20107A:	Not reported
Reviewer:	Not reported
Division Assigned:	Not reported
Location ID:	82001413
Submittal Type:	Not reported
Submittal Number:	B201104930LV
Approval Status:	RRD Received
Workflow Status:	Submitted
Date Submitted:	2011-10-05 14:15:06
Date Completed:	Not reported
Township:	Not reported
Work Unit:	Detroit
Comments:	This portion of the property operated by Tower Defense is currently utilized for metal parts prototype manufacturing including machinin, welding and assembly. Hazardous substance use includes compressed gasses and limited petroleum products. Formerly oc
Organization:	Tower Defense & Aerospace, LLC
Contact:	Erin Busby, Migrate from ERNIE
Contact Type:	Not reported
Organization Street Address:	20101 Hoover Street
Organization City:	Detroit
Organization State:	MI
Organization Zip Code:	48205
Organization County:	Not reported
Contact Street Address:	AMEC Earth and Environmental, Inc.
Contact City:	Brighton
Contact Zip Code:	48116
Contact State:	MI

**WDS:**

Name:	INLAND TOOL AND MFG
Address:	20263 HOOVER ST
City,State,Zip:	DETROIT, MI 48205
Site Id:	MID985620616
WMD Id:	405914
Site Specific Name:	INLAND TOOL AND MFG
Mailing Address:	400 RENAISSANCE CTR
Mailing City/State/Zip:	48243
Mailing County:	WAYNE

**VCP:**

Location ID:	82001413
Name:	INLAND TOOL & MANUFACTURING - FORMER
Address:	20263 HOOVER STREET
City,State,Zip:	DETROIT, MI 48205
Location Type:	Part 201 site
Township:	Detroit
Work Unit:	Detroit
Project Manager:	Vens, Beth
Risk Condition:	Risks Present and Require Action in Short-term
Latitude:	42.447374
Longitude:	-83.005384

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

EDR ID Number  
EPA ID Number

	Site	Database(s)	
<b>AF125</b> <b>SW</b> <b>1/2-1</b> <b>0.733 mi.</b> <b>3872 ft.</b>	<b>NOP CENTERLINE</b>  <b>WARREN, MI</b>  <b>Site 1 of 3 in cluster AF</b>	<b>FUDS</b>	<b>1024900370</b> <b>N/A</b>
<b>Relative:</b> <b>Higher</b>	FUDS:		
<b>Actual:</b> <b>625 ft.</b>	EPA Region:	05	
	Installation ID:	MI59799F235900	
	Congressional District Number:	10	
	Name:	NOP CENTERLINE	
	FUDS Number:	E05MI0273	
	City:	WARREN	
	State:	MI	
	County:	MACOMB	
	Object ID:	8201	
	USACE Division:	LRD	
	USACE District:	Louisville District (LRL)	
	Status:	Properties without projects	
	Current Owner:	PRIV: PRIVATE General Motors Corporation uses the property as an automotive plant.	
	EMS Map Link:	<a href="https://fudportal.usace.army.mil/ems/inventory/map?id=54687">https://fudportal.usace.army.mil/ems/inventory/map?id=54687</a>	
	Eligibility:	Eligible	
	Has Projects:	No	
	NPL Status:	Not reported	
	Project Required:	No	
	Feature Description:	The site was once a part of the former Centerline Naval Ordnance Plant. Based upon GSA real estate disposal records, the site consists of 2 contiguous parcels. The 130.0 fee acres were acquired from 2 private owners through condemnation in District Court of the U.S. for the Eastern District of Michigan, Southern Division on 13 Feb 1941 and 6 May 1942. The site that was held in fee was improved as an ordnance plant and officer's housing.	
	Latitude:	42.45	
	Longitude:	-83.01666667	

<b>AF126</b> <b>SW</b> <b>1/2-1</b> <b>0.733 mi.</b> <b>3872 ft.</b>	<b>DETROIT ARSENAL WARREN</b>  <b>WARREN, MI</b>  <b>Site 2 of 3 in cluster AF</b>	<b>FUDS</b>	<b>1024900374</b> <b>N/A</b>
<b>Relative:</b> <b>Higher</b>	FUDS:		
<b>Actual:</b> <b>625 ft.</b>	EPA Region:	05	
	Installation ID:	MI59799F236400	
	Congressional District Number:	10	
	Name:	DETROIT ARSENAL WARREN	
	FUDS Number:	E05MI0280	
	City:	WARREN	
	State:	MI	
	County:	MACOMB	
	Object ID:	2712	
	USACE Division:	LRD	
	USACE District:	Louisville District (LRL)	
	Status:	Properties without projects	
	Current Owner:	FED: FEDERAL ARMY	
	EMS Map Link:	<a href="https://fudportal.usace.army.mil/ems/inventory/map?id=59833">https://fudportal.usace.army.mil/ems/inventory/map?id=59833</a>	
	Eligibility:	Ineligible	
	Has Projects:	No	
	NPL Status:	Not reported	

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**DETROIT ARSENAL WARREN (Continued)**

**1024900374**

Project Required: No  
Feature Description: Established as a tank manufacturing plant  
Latitude: 42.45  
Longitude: -83.01666667

**AF127  
SW  
1/2-1  
0.733 mi.  
3872 ft.**

**NIRAP WARREN**

**FUDS**

**1024900371  
N/A**

**WARREN, MI**

**Site 3 of 3 in cluster AF**

**Relative:  
Higher**

**Actual:  
625 ft.**

FUDS:  
EPA Region: 05  
Installation ID: MI59799F236000  
Congressional District Number: 10  
Name: NIRAP WARREN  
FUDS Number: E05MI0274  
City: WARREN  
State: MI  
County: MACOMB  
Object ID: 3651  
USACE Division: LRD  
USACE District: Louisville District (LRL)  
Status: Properties without projects  
Current Owner: OTHER: OTHER  
EMS Map Link: <https://fudsportal.usace.army.mil/ems/inventory/map?id=56328>  
Eligibility: Ineligible  
Has Projects: No  
NPL Status: Not reported  
Project Required: No  
Feature Description: Not reported  
Latitude: 42.45  
Longitude: -83.01666667

**128  
SE  
1/2-1  
0.742 mi.  
3916 ft.**

**MAHON DOOR CORP  
13125 8 MILE  
WARREN, MI 48098**

**MI INVENTORY  
MI DEL PART 201  
MI VCP**

**S105965648  
N/A**

**Relative:  
Higher**

**Actual:  
625 ft.**

INVENTORY:  
Name: MAHON DOOR CORP  
Address: 13125 8 MILE  
City,State,Zip: WARREN, MI 48098  
Township: Not reported  
District: Warren  
Data Source: Risks Present and Require Action in Short-term  
Lust Name: Not reported  
Regulatory Program: 201  
Release Status: Not reported  
Project Manager: Unassigned, Detroit  
Latitude: 42.449576  
Longitude: -82.990625

**DEL\_PART201:**

Facility ID: 50000049

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**MAHON DOOR CORP (Continued)**

**S105965648**

Status: Deleted - available documentation does not support listing

VCP:

Location ID: 50000049  
Name: MAHON DOOR CORP  
Address: 13125 8 MILE  
City,State,Zip: WARREN, MI 48098  
Location Type: Part 201 site  
Township: Not reported  
Work Unit: Warren  
Project Manager: Unassigned, Detroit  
Risk Condition: Risks Present and Require Action in Short-term  
Latitude: 42.449576  
Longitude: -82.990625

129  
North  
1/2-1  
0.958 mi.  
5056 ft.

**WELDALOY PRODUCTS CO**  
**11551 STEPHENS DR**  
**WARREN, MI 48089**

**MI PART 201**  
**MI INVENTORY**  
**MI NPDES**  
**MI WDS**  
**MI VCP**

**S110300635**  
**N/A**

**Relative:**  
**Lower**

**PART 201:**

**Actual:**  
**622 ft.**

Facility ID: 50000767  
**Facility Status:** **Evaluation in progress**  
Source: Metal Processing  
SAM Score: 21  
SAM Score Date: 03/29/2005  
Township: 1N  
Range: 12E  
Section: 27  
Quarter: NE  
Quarter/Quarter: SE  
Pollutants: Not reported

**INVENTORY:**

Name: WELDALOY PRODUCTS COMPANY  
Address: 11551 STEPHENS DRIVE  
City,State,Zip: WARREN, MI 48090  
Township: Not reported  
District: Warren  
Data Source: Risks Present and Require Action in Long-term  
Lust Name: Not reported  
Regulatory Program: 201  
Release Status: Not reported  
Project Manager: Unassigned, Southeast MI  
Latitude: 42.47130565  
Longitude: -83.00736379

**MI NPDES:**

Name: WELDALOY PRODUCTS COMPANY  
Address: 11551 STEPHENS DRIVE  
City,State,Zip: WARREN, MI 48089  
Permit Number: MIS111085  
Permittee PO Box: Y  
Permittee Email: Not reported  
Issue Date: 10/22/2021

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**WELDALOY PRODUCTS CO (Continued)**

**S110300635**

Effective Date: 10/22/2021  
Expiration Date: 04/01/2026  
Permittee Name: Weldaloy Products Company  
Permittee Address: 11551 Stephens Drive  
Permittee Addr2: Not reported  
Permittee City,St,Zip: Warren, MI 48089  
Permit Type: NPDES Certificate of Coverage under General Permit (COC)  
Facility Name 2: Not reported  
Facility Name 3: Not reported  
Facility Name 4: Not reported  
Designed Name: Weldaloy Products Company  
Latitude: 42.47146381345774  
Lat Direction: N  
Lat Type Code: LAT  
Longitude: -83.00657987594604  
Lon Direction: W  
Lon Type Code: LON  
Hydrologic Unit Code: 4090003  
Permit Status: In Effect  
COC Permit Category: SW-Industrial CY1  
DEQ District Email: Warren  
DEQ Permit Compliance Manager: Eric Moore  
DEQ Permit Compliance Manager Email: MooreE12@michigan.gov

**WDS:**

Name: WELDALOY PRODUCTS CO  
Address: 11551 STEPHENS DR  
City,State,Zip: WARREN, MI 48089  
Site Id: MID005379144  
WMD Id: 393639  
Site Specific Name: WELDALOY PRODUCTS CO  
Mailing Address: 11551 STEPHENS DR  
Mailing City/State/Zip: 48089  
Mailing County: MACOMB

**VCP:**

Location ID: 50000767  
Name: WELDALOY PRODUCTS COMPANY  
Address: 11551 STEPHENS DRIVE  
City,State,Zip: WARREN, MI 48090  
Location Type: Part 201 site  
Township: Not reported  
Work Unit: Warren  
Project Manager: Unassigned, Southeast MI  
Risk Condition: Risks Present and Require Action in Long-term  
Latitude: 42.47130565  
Longitude: -83.00736379

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

EDR ID Number  
EPA ID Number

130  
South  
1/2-1  
0.973 mi.  
5137 ft.

**PDS PROPERTIES**  
**19925 HOOVER STREET**  
**DETROIT, MI 48205**

**MI DEL PART 201**  
**MI AIRS**  
**MI ASBESTOS**  
**MI WDS**

**S108233351**  
**N/A**

**Relative:**  
**Higher**  
**Actual:**  
**625 ft.**

DEL\_PART201:  
Facility ID: 82001916  
Status: Delisted - no longer meets criteria specified in rules

**AIRS:**

Name: PYC-DAVIS GRAPHICS, INC  
Address: 19925 HOOVER ROAD  
City,State,Zip: DETROIT, MI 48205  
State Registration Number: M4598  
Naics Code: Not reported  
Contact Email: Not reported  
Contact Name: Not reported  
Contact Phone: Not reported  
Contact Address: (same as site address)  
Contact City,St,Zip: Not reported  
Permit Number: C-7142  
Date Received: 12/17/1985  
Application Reason: SILK SCREEN WASHING BOOTH  
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

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**PDS PROPERTIES (Continued)**

**S108233351**

**ASBESTOS:**

Notification ID: 177027  
Name: COMMERCIAL PROPERTY  
Address: 19925 HOOVER ROAD  
City,State,Zip: DETROIT, MI 48226  
Contractor Name: City Abatement Services, LLC  
Project Number: Not reported  
Notification Type and Date: Regular 05/23/2023  
Start Date: 06/06/2023  
End Date: 06/26/2023  
Linear Feet: 6730  
Square Feet: 37806

**WDS:**

Name: PYC-DAVIS GRAPHICS INC  
Address: 19925 HOOVER ST  
City,State,Zip: DETROIT, MI 48205  
Site Id: MID005516315  
WMD Id: 393847  
Site Specific Name: PYC-DAVIS GRAPHICS INC  
Mailing Address: 3800 MAPLE ST  
Mailing City/State/Zip: 48126  
Mailing County: WAYNE

Count: 4 records.

ORPHAN SUMMARY

City	EDR ID	Site Name	Site Address	Zip	Database(s)
DETROIT	S125958204	RYAN FOOD MART LLC	3910 E 8 MILE RD	48234	MI LUST, MI INVENTORY, MI Financial Assurance
MACOMB COUNTY	S127499219	22349, 22425, 22445 & 22449 GROESB	22349, 22425, 22445 & 22449 GR	48089	MI INVENTORY, MI BEA, MI VCP
MACOMB COUNTY	S127501635	TOEPFER ROAD TAX ID 13-35-302-004	TOEPFER ROAD TAX ID 13-35-302-	48089	MI INVENTORY, MI BEA, MI VCP
WARREN	1026647529	UDYLITE CORP	OMI INTERNATIONAL CORPORATION	48089	PRP

# 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: 06/22/2023	Source: EPA
Date Data Arrived at EDR: 07/06/2023	Telephone: N/A
Date Made Active in Reports: 07/24/2023	Last EDR Contact: 08/02/2023
Number of Days to Update: 18	Next Scheduled EDR Contact: 10/09/2023
	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: 06/22/2023	Source: EPA
Date Data Arrived at EDR: 07/06/2023	Telephone: N/A
Date Made Active in Reports: 07/24/2023	Last EDR Contact: 08/02/2023
Number of Days to Update: 18	Next Scheduled EDR Contact: 10/09/2023
	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: 06/22/2023  
Date Data Arrived at EDR: 07/06/2023  
Date Made Active in Reports: 07/24/2023  
Number of Days to Update: 18

Source: EPA  
Telephone: N/A  
Last EDR Contact: 08/02/2023  
Next Scheduled EDR Contact: 10/09/2023  
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: 03/26/2023  
Date Data Arrived at EDR: 03/28/2023  
Date Made Active in Reports: 05/30/2023  
Number of Days to Update: 63

Source: Environmental Protection Agency  
Telephone: 703-603-8704  
Last EDR Contact: 06/23/2023  
Next Scheduled EDR Contact: 10/09/2023  
Data Release Frequency: Varies

SEMS: Superfund Enterprise Management System

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

Date of Government Version: 06/22/2023  
Date Data Arrived at EDR: 07/06/2023  
Date Made Active in Reports: 07/24/2023  
Number of Days to Update: 18

Source: EPA  
Telephone: 800-424-9346  
Last EDR Contact: 08/02/2023  
Next Scheduled EDR Contact: 10/23/2023  
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: 06/22/2023	Source: EPA
Date Data Arrived at EDR: 07/06/2023	Telephone: 800-424-9346
Date Made Active in Reports: 07/24/2023	Last EDR Contact: 08/02/2023
Number of Days to Update: 18	Next Scheduled EDR Contact: 10/23/2023
	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: 03/06/2023	Source: EPA
Date Data Arrived at EDR: 03/09/2023	Telephone: 800-424-9346
Date Made Active in Reports: 03/20/2023	Last EDR Contact: 07/31/2023
Number of Days to Update: 11	Next Scheduled EDR Contact: 10/02/2023
	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: 03/06/2023	Source: Environmental Protection Agency
Date Data Arrived at EDR: 03/09/2023	Telephone: 312-886-6186
Date Made Active in Reports: 03/20/2023	Last EDR Contact: 07/31/2023
Number of Days to Update: 11	Next Scheduled EDR Contact: 10/02/2023
	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: 03/06/2023	Source: Environmental Protection Agency
Date Data Arrived at EDR: 03/09/2023	Telephone: 312-886-6186
Date Made Active in Reports: 03/20/2023	Last EDR Contact: 07/31/2023
Number of Days to Update: 11	Next Scheduled EDR Contact: 10/02/2023
	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: 03/06/2023	Source: Environmental Protection Agency
Date Data Arrived at EDR: 03/09/2023	Telephone: 312-886-6186
Date Made Active in Reports: 03/20/2023	Last EDR Contact: 07/31/2023
Number of Days to Update: 11	Next Scheduled EDR Contact: 10/02/2023
	Data Release Frequency: Quarterly

### RCRA-VSQG: RCRA - Very Small Quantity Generators (Formerly Conditionally Exempt Small Quantity Generators)

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

Date of Government Version: 03/06/2023	Source: Environmental Protection Agency
Date Data Arrived at EDR: 03/09/2023	Telephone: 312-886-6186
Date Made Active in Reports: 03/20/2023	Last EDR Contact: 07/31/2023
Number of Days to Update: 11	Next Scheduled EDR Contact: 10/02/2023
	Data Release Frequency: Quarterly

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

#### LUCIS: Land Use Control Information System

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

Date of Government Version: 05/25/2023	Source: Department of the Navy
Date Data Arrived at EDR: 05/31/2023	Telephone: 843-820-7326
Date Made Active in Reports: 07/24/2023	Last EDR Contact: 08/02/2023
Number of Days to Update: 54	Next Scheduled EDR Contact: 11/20/2023
	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: 05/22/2023	Source: Environmental Protection Agency
Date Data Arrived at EDR: 05/23/2023	Telephone: 703-603-0695
Date Made Active in Reports: 07/24/2023	Last EDR Contact: 05/23/2023
Number of Days to Update: 62	Next Scheduled EDR Contact: 09/04/2023
	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: 05/22/2023	Source: Environmental Protection Agency
Date Data Arrived at EDR: 05/23/2023	Telephone: 703-603-0695
Date Made Active in Reports: 07/24/2023	Last EDR Contact: 05/23/2023
Number of Days to Update: 62	Next Scheduled EDR Contact: 09/04/2023
	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: 03/20/2023

Date Data Arrived at EDR: 03/21/2023

Date Made Active in Reports: 05/30/2023

Number of Days to Update: 70

Source: National Response Center, United States Coast Guard

Telephone: 202-267-2180

Last EDR Contact: 06/20/2023

Next Scheduled EDR Contact: 10/02/2023

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

Date Data Arrived at EDR: 10/31/2013

Date Made Active in Reports: 11/20/2013

Number of Days to Update: 20

Source: Department of Environment, Great Lakes, and Energy

Telephone: 517-284-5103

Last EDR Contact: 07/12/2023

Next Scheduled EDR Contact: 10/30/2023

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: 03/20/2023

Date Data Arrived at EDR: 03/21/2023

Date Made Active in Reports: 06/01/2023

Number of Days to Update: 72

Source: Department of Environment, Great Lakes, and Energy

Telephone: 517-335-4035

Last EDR Contact: 06/15/2023

Next Scheduled EDR Contact: 10/02/2023

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: 05/10/2023

Date Data Arrived at EDR: 05/11/2023

Date Made Active in Reports: 08/03/2023

Number of Days to Update: 84

Source: Department of Environment, Great Lakes, and Energy

Telephone: 517-373-9837

Last EDR Contact: 08/02/2023

Next Scheduled EDR Contact: 11/20/2023

Data Release Frequency: Annually

INDIAN LUST R9: Leaking Underground Storage Tanks on Indian Land

LUSTs on Indian land in Arizona, California, New Mexico and Nevada

Date of Government Version: 04/19/2023

Date Data Arrived at EDR: 05/09/2023

Date Made Active in Reports: 07/14/2023

Number of Days to Update: 66

Source: Environmental Protection Agency

Telephone: 415-972-3372

Last EDR Contact: 07/17/2023

Next Scheduled EDR Contact: 10/30/2023

Data Release Frequency: Varies

INDIAN LUST R4: Leaking Underground Storage Tanks on Indian Land

LUSTs on Indian land in Florida, Mississippi and North Carolina.

## GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 04/20/2023  
Date Data Arrived at EDR: 05/09/2023  
Date Made Active in Reports: 07/14/2023  
Number of Days to Update: 66

Source: EPA Region 4  
Telephone: 404-562-8677  
Last EDR Contact: 05/09/2023  
Next Scheduled EDR Contact: 10/30/2023  
Data Release Frequency: Varies

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

Date of Government Version: 04/20/2023  
Date Data Arrived at EDR: 05/09/2023  
Date Made Active in Reports: 07/14/2023  
Number of Days to Update: 66

Source: EPA Region 1  
Telephone: 617-918-1313  
Last EDR Contact: 07/17/2023  
Next Scheduled EDR Contact: 10/30/2023  
Data Release Frequency: Varies

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

Date of Government Version: 04/20/2023  
Date Data Arrived at EDR: 05/09/2023  
Date Made Active in Reports: 07/14/2023  
Number of Days to Update: 66

Source: EPA Region 10  
Telephone: 206-553-2857  
Last EDR Contact: 07/17/2023  
Next Scheduled EDR Contact: 10/30/2023  
Data Release Frequency: Varies

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

Date of Government Version: 04/14/2023  
Date Data Arrived at EDR: 05/09/2023  
Date Made Active in Reports: 07/14/2023  
Number of Days to Update: 66

Source: EPA, Region 5  
Telephone: 312-886-7439  
Last EDR Contact: 07/17/2023  
Next Scheduled EDR Contact: 10/30/2023  
Data Release Frequency: Varies

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

Date of Government Version: 04/26/2023  
Date Data Arrived at EDR: 05/09/2023  
Date Made Active in Reports: 07/14/2023  
Number of Days to Update: 66

Source: EPA Region 6  
Telephone: 214-665-6597  
Last EDR Contact: 07/17/2023  
Next Scheduled EDR Contact: 10/30/2023  
Data Release Frequency: Varies

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

Date of Government Version: 04/19/2023  
Date Data Arrived at EDR: 05/09/2023  
Date Made Active in Reports: 07/14/2023  
Number of Days to Update: 66

Source: EPA Region 8  
Telephone: 303-312-6271  
Last EDR Contact: 07/17/2023  
Next Scheduled EDR Contact: 10/30/2023  
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: 04/25/2023  
Date Data Arrived at EDR: 05/09/2023  
Date Made Active in Reports: 07/14/2023  
Number of Days to Update: 66

Source: EPA Region 7  
Telephone: 913-551-7003  
Last EDR Contact: 07/17/2023  
Next Scheduled EDR Contact: 10/30/2023  
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: 03/08/2023  
Date Data Arrived at EDR: 03/09/2023  
Date Made Active in Reports: 05/30/2023  
Number of Days to Update: 82

Source: FEMA  
Telephone: 202-646-5797  
Last EDR Contact: 06/27/2023  
Next Scheduled EDR Contact: 10/16/2023  
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: 01/28/2022  
Date Data Arrived at EDR: 02/01/2022  
Date Made Active in Reports: 04/25/2022  
Number of Days to Update: 83

Source: Department of Licensing & Regulatory Affairs  
Telephone: 517-373-1820  
Last EDR Contact: 07/06/2023  
Next Scheduled EDR Contact: 10/23/2023  
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: 02/06/2023  
Date Data Arrived at EDR: 05/09/2023  
Date Made Active in Reports: 08/02/2023  
Number of Days to Update: 85

Source: Department of Licensing & Regulatory Affairs  
Telephone: 517-373-1820  
Last EDR Contact: 05/09/2023  
Next Scheduled EDR Contact: 08/21/2023  
Data Release Frequency: Annually

### AST: Aboveground Tanks

Registered Aboveground Storage Tanks.

Date of Government Version: 05/03/2023  
Date Data Arrived at EDR: 05/11/2023  
Date Made Active in Reports: 08/02/2023  
Number of Days to Update: 83

Source: Department of Licensing & Regulatory Affairs  
Telephone: 517-373-1820  
Last EDR Contact: 08/02/2023  
Next Scheduled EDR Contact: 11/20/2023  
Data Release Frequency: No Update Planned

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

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

Date of Government Version: 04/20/2023  
Date Data Arrived at EDR: 05/09/2023  
Date Made Active in Reports: 07/14/2023  
Number of Days to Update: 66

Source: EPA Region 10  
Telephone: 206-553-2857  
Last EDR Contact: 07/17/2023  
Next Scheduled EDR Contact: 10/30/2023  
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: 04/20/2023  
Date Data Arrived at EDR: 05/09/2023  
Date Made Active in Reports: 07/14/2023  
Number of Days to Update: 66

Source: EPA Region 4  
Telephone: 404-562-9424  
Last EDR Contact: 07/17/2023  
Next Scheduled EDR Contact: 10/30/2023  
Data Release Frequency: Varies

## GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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

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

Date of Government Version: 04/20/2023	Source: EPA Region 8
Date Data Arrived at EDR: 05/09/2023	Telephone: 303-312-6137
Date Made Active in Reports: 07/14/2023	Last EDR Contact: 07/17/2023
Number of Days to Update: 66	Next Scheduled EDR Contact: 10/30/2023
	Data Release Frequency: Varies

### INDIAN UST R7: Underground Storage Tanks on Indian Land

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

Date of Government Version: 04/25/2023	Source: EPA Region 7
Date Data Arrived at EDR: 05/09/2023	Telephone: 913-551-7003
Date Made Active in Reports: 07/14/2023	Last EDR Contact: 07/17/2023
Number of Days to Update: 66	Next Scheduled EDR Contact: 10/30/2023
	Data Release Frequency: Varies

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

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

Date of Government Version: 04/20/2023	Source: EPA, Region 1
Date Data Arrived at EDR: 05/09/2023	Telephone: 617-918-1313
Date Made Active in Reports: 07/14/2023	Last EDR Contact: 07/17/2023
Number of Days to Update: 66	Next Scheduled EDR Contact: 10/30/2023
	Data Release Frequency: Varies

### INDIAN UST R5: Underground Storage Tanks on Indian Land

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

Date of Government Version: 04/14/2023	Source: EPA Region 5
Date Data Arrived at EDR: 05/09/2023	Telephone: 312-886-6136
Date Made Active in Reports: 07/14/2023	Last EDR Contact: 07/17/2023
Number of Days to Update: 66	Next Scheduled EDR Contact: 10/30/2023
	Data Release Frequency: Varies

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

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

Date of Government Version: 04/26/2023	Source: EPA Region 6
Date Data Arrived at EDR: 05/09/2023	Telephone: 214-665-7591
Date Made Active in Reports: 07/14/2023	Last EDR Contact: 07/17/2023
Number of Days to Update: 66	Next Scheduled EDR Contact: 10/30/2023
	Data Release Frequency: Varies

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

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

Date of Government Version: 04/19/2023	Source: EPA Region 9
Date Data Arrived at EDR: 05/09/2023	Telephone: 415-972-3368
Date Made Active in Reports: 07/14/2023	Last EDR Contact: 07/17/2023
Number of Days to Update: 66	Next Scheduled EDR Contact: 10/30/2023
	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: 02/22/2023

Date Data Arrived at EDR: 02/23/2023

Date Made Active in Reports: 05/11/2023

Number of Days to Update: 77

Source: Department of Environment, Great Lakes, and Energy

Telephone: 517-373-4828

Last EDR Contact: 05/17/2023

Next Scheduled EDR Contact: 09/04/2023

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

Date Data Arrived at EDR: 09/29/2015

Date Made Active in Reports: 02/18/2016

Number of Days to Update: 142

Source: EPA, Region 1

Telephone: 617-918-1102

Last EDR Contact: 06/13/2023

Next Scheduled EDR Contact: 10/02/2023

Data Release Frequency: Varies

### **INDIAN VCP R7: Voluntary Cleanup Priority Listing**

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

Date of Government Version: 03/20/2008

Date Data Arrived at EDR: 04/22/2008

Date Made Active in Reports: 05/19/2008

Number of Days to Update: 27

Source: EPA, Region 7

Telephone: 913-551-7365

Last EDR Contact: 07/08/2021

Next Scheduled EDR Contact: 07/20/2009

Data Release Frequency: Varies

### **VCP: Voluntary Cleanup Program site**

A listing of sites enrolled in the Voluntary Cleanup

Date of Government Version: 05/18/2023

Date Data Arrived at EDR: 05/18/2023

Date Made Active in Reports: 08/09/2023

Number of Days to Update: 83

Source: DEQ

Telephone: 517-373-9837

Last EDR Contact: 05/17/2023

Next Scheduled EDR Contact: 09/04/2023

Data Release Frequency: N/A

## ***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: 04/19/2023

Date Data Arrived at EDR: 04/19/2023

Date Made Active in Reports: 07/11/2023

Number of Days to Update: 83

Source: Department of Environment, Great Lakes, and Energy

Telephone: 517-373-4805

Last EDR Contact: 07/18/2023

Next Scheduled EDR Contact: 10/30/2023

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: 04/17/2023

Date Data Arrived at EDR: 04/19/2023

Date Made Active in Reports: 07/11/2023

Number of Days to Update: 83

Source: Economic Development Corporation

Telephone: 888-522-0103

Last EDR Contact: 07/17/2023

Next Scheduled EDR Contact: 10/30/2023

Data Release Frequency: Varies

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## ADDITIONAL ENVIRONMENTAL RECORDS

### **Local Brownfield lists**

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

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

Date of Government Version: 04/06/2023	Source: Environmental Protection Agency
Date Data Arrived at EDR: 04/13/2023	Telephone: 202-566-2777
Date Made Active in Reports: 04/19/2023	Last EDR Contact: 06/08/2023
Number of Days to Update: 6	Next Scheduled EDR Contact: 09/25/2023
	Data Release Frequency: Semi-Annually

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

#### SWRCY: Recycling Facilities

A listing of recycling center locations.

Date of Government Version: 03/18/2022	Source: Department of Environment, Great Lakes, and Energy
Date Data Arrived at EDR: 03/21/2022	Telephone: 517-241-5719
Date Made Active in Reports: 06/16/2022	Last EDR Contact: 06/13/2023
Number of Days to Update: 87	Next Scheduled EDR Contact: 10/02/2023
	Data Release Frequency: Varies

#### HIST LF: Inactive Solid Waste Facilities

The database contains historical information and is no longer updated.

Date of Government Version: 03/01/1997	Source: Department of Environment, Great Lakes, and Energy
Date Data Arrived at EDR: 02/28/2003	Telephone: 517-335-4034
Date Made Active in Reports: 03/06/2003	Last EDR Contact: 02/28/2003
Number of Days to Update: 6	Next Scheduled EDR Contact: N/A
	Data Release Frequency: No Update Planned

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

Location of open dumps on Indian land.

Date of Government Version: 12/31/1998	Source: Environmental Protection Agency
Date Data Arrived at EDR: 12/03/2007	Telephone: 703-308-8245
Date Made Active in Reports: 01/24/2008	Last EDR Contact: 07/19/2023
Number of Days to Update: 52	Next Scheduled EDR Contact: 11/06/2023
	Data Release Frequency: Varies

#### ODI: Open Dump Inventory

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

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

#### 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.

## GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 01/12/2009  
Date Data Arrived at EDR: 05/07/2009  
Date Made Active in Reports: 09/21/2009  
Number of Days to Update: 137

Source: EPA, Region 9  
Telephone: 415-947-4219  
Last EDR Contact: 07/11/2023  
Next Scheduled EDR Contact: 10/30/2023  
Data Release Frequency: No Update Planned

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

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

Date of Government Version: 04/01/2014  
Date Data Arrived at EDR: 08/06/2014  
Date Made Active in Reports: 01/29/2015  
Number of Days to Update: 176

Source: Department of Health & Human Services, Indian Health Service  
Telephone: 301-443-1452  
Last EDR Contact: 07/27/2023  
Next Scheduled EDR Contact: 11/13/2023  
Data Release Frequency: Varies

### Local Lists of Hazardous waste / Contaminated Sites

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

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

Date of Government Version: 05/22/2023  
Date Data Arrived at EDR: 05/23/2023  
Date Made Active in Reports: 07/10/2023  
Number of Days to Update: 48

Source: Drug Enforcement Administration  
Telephone: 202-307-1000  
Last EDR Contact: 05/23/2023  
Next Scheduled EDR Contact: 09/04/2023  
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: 04/17/2023  
Date Data Arrived at EDR: 04/18/2023  
Date Made Active in Reports: 07/11/2023  
Number of Days to Update: 84

Source: Department of Environment, Great Lakes, and Energy  
Telephone: 517-284-5136  
Last EDR Contact: 07/18/2023  
Next Scheduled EDR Contact: 10/30/2023  
Data Release Frequency: Quarterly

#### 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.

## GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 10/01/2013  
Date Data Arrived at EDR: 10/03/2014  
Date Made Active in Reports: 10/03/2014  
Number of Days to Update: 0

Source: Department of Environment, Great Lakes, and Energy  
Telephone: 517-284-5103  
Last EDR Contact: 07/22/2019  
Next Scheduled EDR Contact: 11/04/2019  
Data Release Frequency: No Update Planned

### CDL: Clandestine Drug Lab Listing

A listing of clandestine drug lab locations.

Date of Government Version: 04/28/2023  
Date Data Arrived at EDR: 05/03/2023  
Date Made Active in Reports: 05/10/2023  
Number of Days to Update: 7

Source: Department of Community Health  
Telephone: 517-373-3740  
Last EDR Contact: 07/12/2023  
Next Scheduled EDR Contact: 10/30/2023  
Data Release Frequency: No Update Planned

### 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: 08/01/2013  
Date Data Arrived at EDR: 08/01/2013  
Date Made Active in Reports: 09/11/2013  
Number of Days to Update: 41

Source: Department of Environment, Great Lakes, and Energy  
Telephone: 517-373-9541  
Last EDR Contact: 07/22/2019  
Next Scheduled EDR Contact: 11/04/2019  
Data Release Frequency: Varies

### US CDL: Clandestine Drug Labs

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

Date of Government Version: 05/22/2023  
Date Data Arrived at EDR: 05/23/2023  
Date Made Active in Reports: 07/10/2023  
Number of Days to Update: 48

Source: Drug Enforcement Administration  
Telephone: 202-307-1000  
Last EDR Contact: 05/23/2023  
Next Scheduled EDR Contact: 09/04/2023  
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: 04/10/2023  
Date Data Arrived at EDR: 04/12/2023  
Date Made Active in Reports: 06/29/2023  
Number of Days to Update: 78

Source: Department of Environment, Great Lakes, and Energy  
Telephone: 517-241-7603  
Last EDR Contact: 07/11/2023  
Next Scheduled EDR Contact: 10/23/2023  
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.

## GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 06/22/2023  
Date Data Arrived at EDR: 07/06/2023  
Date Made Active in Reports: 07/24/2023  
Number of Days to Update: 18

Source: Environmental Protection Agency  
Telephone: 202-564-6023  
Last EDR Contact: 08/02/2023  
Next Scheduled EDR Contact: 10/09/2023  
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: 03/19/2023  
Date Data Arrived at EDR: 03/21/2023  
Date Made Active in Reports: 05/30/2023  
Number of Days to Update: 70

Source: U.S. Department of Transportation  
Telephone: 202-366-4555  
Last EDR Contact: 06/20/2023  
Next Scheduled EDR Contact: 10/02/2023  
Data Release Frequency: Quarterly

#### **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: 04/24/2023  
Date Data Arrived at EDR: 04/26/2023  
Date Made Active in Reports: 07/19/2023  
Number of Days to Update: 84

Source: Department of Environment, Great Lakes, and Energy  
Telephone: 517-373-8427  
Last EDR Contact: 07/20/2023  
Next Scheduled EDR Contact: 10/30/2023  
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: 03/06/2023  
Date Data Arrived at EDR: 03/09/2023  
Date Made Active in Reports: 03/20/2023  
Number of Days to Update: 11

Source: Environmental Protection Agency  
Telephone: 312-886-6186  
Last EDR Contact: 07/31/2023  
Next Scheduled EDR Contact: 10/02/2023  
Data Release Frequency: Quarterly

#### **FUDS: Formerly Used Defense Sites**

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

Date of Government Version: 05/08/2023  
Date Data Arrived at EDR: 05/16/2023  
Date Made Active in Reports: 07/10/2023  
Number of Days to Update: 55

Source: U.S. Army Corps of Engineers  
Telephone: 202-528-4285  
Last EDR Contact: 05/16/2023  
Next Scheduled EDR Contact: 08/28/2023  
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: 07/10/2023  
Next Scheduled EDR Contact: 10/23/2023  
Data Release Frequency: Varies

## GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

### FEDLAND: Federal and Indian Lands

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

Date of Government Version: 04/02/2018	Source: U.S. Geological Survey
Date Data Arrived at EDR: 04/11/2018	Telephone: 888-275-8747
Date Made Active in Reports: 11/06/2019	Last EDR Contact: 07/05/2023
Number of Days to Update: 574	Next Scheduled EDR Contact: 10/16/2023
	Data Release Frequency: N/A

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

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

Date of Government Version: 07/30/2021	Source: Environmental Protection Agency
Date Data Arrived at EDR: 02/03/2023	Telephone: 615-532-8599
Date Made Active in Reports: 02/10/2023	Last EDR Contact: 08/01/2023
Number of Days to Update: 7	Next Scheduled EDR Contact: 11/20/2023
	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: 03/13/2023	Source: Environmental Protection Agency
Date Data Arrived at EDR: 03/21/2023	Telephone: 202-566-1917
Date Made Active in Reports: 05/30/2023	Last EDR Contact: 06/20/2023
Number of Days to Update: 70	Next Scheduled EDR Contact: 10/02/2023
	Data Release Frequency: Quarterly

### EPA WATCH LIST: EPA WATCH LIST

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

Date of Government Version: 08/30/2013	Source: Environmental Protection Agency
Date Data Arrived at EDR: 03/21/2014	Telephone: 617-520-3000
Date Made Active in Reports: 06/17/2014	Last EDR Contact: 07/31/2023
Number of Days to Update: 88	Next Scheduled EDR Contact: 11/13/2023
	Data Release Frequency: Quarterly

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

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

Date of Government Version: 09/30/2017	Source: Environmental Protection Agency
Date Data Arrived at EDR: 05/08/2018	Telephone: 703-308-4044
Date Made Active in Reports: 07/20/2018	Last EDR Contact: 08/03/2023
Number of Days to Update: 73	Next Scheduled EDR Contact: 11/13/2023
	Data Release Frequency: Varies

## GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

### 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: 06/16/2023

Next Scheduled EDR Contact: 09/25/2023

Data Release Frequency: Every 4 Years

### TRIS: Toxic Chemical Release Inventory System

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

Date of Government Version: 12/31/2021

Date Data Arrived at EDR: 02/16/2023

Date Made Active in Reports: 05/02/2023

Number of Days to Update: 75

Source: EPA

Telephone: 202-566-0250

Last EDR Contact: 05/19/2023

Next Scheduled EDR Contact: 08/28/2023

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: 04/17/2023

Date Data Arrived at EDR: 04/18/2023

Date Made Active in Reports: 07/10/2023

Number of Days to Update: 83

Source: EPA

Telephone: 202-564-4203

Last EDR Contact: 07/18/2023

Next Scheduled EDR Contact: 10/30/2023

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: 06/22/2023

Date Data Arrived at EDR: 07/06/2023

Date Made Active in Reports: 07/24/2023

Number of Days to Update: 18

Source: EPA

Telephone: 703-416-0223

Last EDR Contact: 08/02/2023

Next Scheduled EDR Contact: 09/11/2023

Data Release Frequency: Annually

### RMP: Risk Management Plans

## GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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

Date of Government Version: 04/27/2022	Source: Environmental Protection Agency
Date Data Arrived at EDR: 05/04/2022	Telephone: 202-564-8600
Date Made Active in Reports: 05/10/2022	Last EDR Contact: 06/12/2023
Number of Days to Update: 6	Next Scheduled EDR Contact: 10/30/2023
	Data Release Frequency: Varies

### RAATS: RCRA Administrative Action Tracking System

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

Date of Government Version: 04/17/1995	Source: EPA
Date Data Arrived at EDR: 07/03/1995	Telephone: 202-564-4104
Date Made Active in Reports: 08/07/1995	Last EDR Contact: 06/02/2008
Number of Days to Update: 35	Next Scheduled EDR Contact: 09/01/2008
	Data Release Frequency: No Update Planned

### PRP: Potentially Responsible Parties

A listing of verified Potentially Responsible Parties

Date of Government Version: 06/22/2023	Source: EPA
Date Data Arrived at EDR: 07/06/2023	Telephone: 202-564-6023
Date Made Active in Reports: 07/24/2023	Last EDR Contact: 08/02/2023
Number of Days to Update: 18	Next Scheduled EDR Contact: 11/13/2023
	Data Release Frequency: Quarterly

### PADS: PCB Activity Database System

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

Date of Government Version: 03/20/2023	Source: EPA
Date Data Arrived at EDR: 04/04/2023	Telephone: 202-566-0500
Date Made Active in Reports: 06/09/2023	Last EDR Contact: 07/07/2023
Number of Days to Update: 66	Next Scheduled EDR Contact: 10/16/2023
	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: 06/27/2023
Number of Days to Update: 79	Next Scheduled EDR Contact: 10/16/2023
	Data Release Frequency: Quarterly

## GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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

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

Date of Government Version: 04/09/2009  
Date Data Arrived at EDR: 04/16/2009  
Date Made Active in Reports: 05/11/2009  
Number of Days to Update: 25

Source: EPA/Office of Prevention, Pesticides and Toxic Substances  
Telephone: 202-566-1667  
Last EDR Contact: 08/18/2017  
Next Scheduled EDR Contact: 12/04/2017  
Data Release Frequency: No Update Planned

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

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

Date of Government Version: 04/09/2009  
Date Data Arrived at EDR: 04/16/2009  
Date Made Active in Reports: 05/11/2009  
Number of Days to Update: 25

Source: EPA  
Telephone: 202-566-1667  
Last EDR Contact: 08/18/2017  
Next Scheduled EDR Contact: 12/04/2017  
Data Release Frequency: No Update Planned

### MLTS: Material Licensing Tracking System

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

Date of Government Version: 03/15/2023  
Date Data Arrived at EDR: 03/21/2023  
Date Made Active in Reports: 05/30/2023  
Number of Days to Update: 70

Source: Nuclear Regulatory Commission  
Telephone: 301-415-7169  
Last EDR Contact: 07/12/2023  
Next Scheduled EDR Contact: 10/30/2023  
Data Release Frequency: Quarterly

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

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

Date of Government Version: 12/31/2021  
Date Data Arrived at EDR: 04/14/2023  
Date Made Active in Reports: 07/10/2023  
Number of Days to Update: 87

Source: Department of Energy  
Telephone: 202-586-8719  
Last EDR Contact: 05/25/2023  
Next Scheduled EDR Contact: 09/11/2023  
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  
Date Data Arrived at EDR: 03/05/2019  
Date Made Active in Reports: 11/11/2019  
Number of Days to Update: 251

Source: Environmental Protection Agency  
Telephone: N/A  
Last EDR Contact: 05/25/2023  
Next Scheduled EDR Contact: 09/11/2023  
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  
Date Data Arrived at EDR: 11/06/2019  
Date Made Active in Reports: 02/10/2020  
Number of Days to Update: 96

Source: Environmental Protection Agency  
Telephone: 202-566-0517  
Last EDR Contact: 08/03/2023  
Next Scheduled EDR Contact: 11/13/2023  
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.

## GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 07/01/2019  
Date Data Arrived at EDR: 07/01/2019  
Date Made Active in Reports: 09/23/2019  
Number of Days to Update: 84

Source: Environmental Protection Agency  
Telephone: 202-343-9775  
Last EDR Contact: 06/22/2023  
Next Scheduled EDR Contact: 10/09/2023  
Data Release Frequency: Quarterly

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

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

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

Source: Environmental Protection Agency  
Telephone: 202-564-2501  
Last EDR Contact: 12/17/2007  
Next Scheduled EDR Contact: 03/17/2008  
Data Release Frequency: No Update Planned

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

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

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

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

### DOT OPS: Incident and Accident Data

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

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

Source: Department of Transportation, Office of Pipeline Safety  
Telephone: 202-366-4595  
Last EDR Contact: 07/25/2023  
Next Scheduled EDR Contact: 11/06/2023  
Data Release Frequency: Quarterly

### CONSENT: Superfund (CERCLA) Consent Decrees

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

Date of Government Version: 03/31/2023  
Date Data Arrived at EDR: 04/20/2023  
Date Made Active in Reports: 07/10/2023  
Number of Days to Update: 81

Source: Department of Justice, Consent Decree Library  
Telephone: Varies  
Last EDR Contact: 06/27/2023  
Next Scheduled EDR Contact: 10/16/2023  
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: 07/31/2023  
Next Scheduled EDR Contact: 10/02/2023  
Data Release Frequency: Biennially

## GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

### INDIAN RESERV: Indian Reservations

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

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

Source: USGS  
Telephone: 202-208-3710  
Last EDR Contact: 07/05/2023  
Next Scheduled EDR Contact: 10/16/2023  
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: 07/26/2023  
Next Scheduled EDR Contact: 11/13/2023  
Data Release Frequency: Varies

### UMTRA: Uranium Mill Tailings Sites

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

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

Source: Department of Energy  
Telephone: 505-845-0011  
Last EDR Contact: 05/24/2023  
Next Scheduled EDR Contact: 08/28/2023  
Data Release Frequency: Varies

### LEAD SMELTER 1: Lead Smelter Sites

A listing of former lead smelter site locations.

Date of Government Version: 06/22/2023  
Date Data Arrived at EDR: 07/06/2023  
Date Made Active in Reports: 07/24/2023  
Number of Days to Update: 18

Source: Environmental Protection Agency  
Telephone: 703-603-8787  
Last EDR Contact: 08/02/2023  
Next Scheduled EDR Contact: 10/09/2023  
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.

## GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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: 04/03/2023  
Date Data Arrived at EDR: 04/04/2023  
Date Made Active in Reports: 06/09/2023  
Number of Days to Update: 66

Source: DOL, Mine Safety & Health Admini  
Telephone: 202-693-9424  
Last EDR Contact: 07/05/2023  
Next Scheduled EDR Contact: 09/11/2023  
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.

Date of Government Version: 05/01/2023  
Date Data Arrived at EDR: 05/24/2023  
Date Made Active in Reports: 07/24/2023  
Number of Days to Update: 61

Source: Department of Labor, Mine Safety and Health Administration  
Telephone: 303-231-5959  
Last EDR Contact: 05/24/2023  
Next Scheduled EDR Contact: 09/04/2023  
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: 01/07/2022  
Date Data Arrived at EDR: 02/24/2023  
Date Made Active in Reports: 05/17/2023  
Number of Days to Update: 82

Source: USGS  
Telephone: 703-648-7709  
Last EDR Contact: 05/25/2023  
Next Scheduled EDR Contact: 09/04/2023  
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: 05/25/2023  
Next Scheduled EDR Contact: 09/04/2023  
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.

## GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 03/17/2023  
Date Data Arrived at EDR: 03/17/2023  
Date Made Active in Reports: 05/30/2023  
Number of Days to Update: 74

Source: Department of Interior  
Telephone: 202-208-2609  
Last EDR Contact: 06/13/2023  
Next Scheduled EDR Contact: 09/18/2023  
Data Release Frequency: Quarterly

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

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

Date of Government Version: 05/04/2023  
Date Data Arrived at EDR: 05/25/2023  
Date Made Active in Reports: 07/24/2023  
Number of Days to Update: 60

Source: EPA  
Telephone: (312) 353-2000  
Last EDR Contact: 05/25/2023  
Next Scheduled EDR Contact: 09/11/2023  
Data Release Frequency: Quarterly

### UXO: Unexploded Ordnance Sites

A listing of unexploded ordnance site locations

Date of Government Version: 11/09/2021  
Date Data Arrived at EDR: 10/20/2022  
Date Made Active in Reports: 01/10/2023  
Number of Days to Update: 82

Source: Department of Defense  
Telephone: 703-704-1564  
Last EDR Contact: 07/06/2023  
Next Scheduled EDR Contact: 10/23/2023  
Data Release Frequency: Varies

### DOCKET HWC: Hazardous Waste Compliance Docket Listing

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

Date of Government Version: 05/06/2021  
Date Data Arrived at EDR: 05/21/2021  
Date Made Active in Reports: 08/11/2021  
Number of Days to Update: 82

Source: Environmental Protection Agency  
Telephone: 202-564-0527  
Last EDR Contact: 05/17/2023  
Next Scheduled EDR Contact: 09/04/2023  
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: 03/25/2023  
Date Data Arrived at EDR: 03/31/2023  
Date Made Active in Reports: 06/09/2023  
Number of Days to Update: 70

Source: Environmental Protection Agency  
Telephone: 202-564-2280  
Last EDR Contact: 06/29/2023  
Next Scheduled EDR Contact: 10/16/2023  
Data Release Frequency: Quarterly

### FUELS PROGRAM: EPA Fuels Program Registered Listing

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

Date of Government Version: 05/15/2023  
Date Data Arrived at EDR: 05/17/2023  
Date Made Active in Reports: 07/10/2023  
Number of Days to Update: 54

Source: EPA  
Telephone: 800-385-6164  
Last EDR Contact: 05/17/2023  
Next Scheduled EDR Contact: 08/28/2023  
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.

## GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 06/07/2023  
Date Data Arrived at EDR: 06/08/2023  
Date Made Active in Reports: 06/09/2023  
Number of Days to Update: 1

Source: Environmental Protection Agency  
Telephone: 703-603-8895  
Last EDR Contact: 07/05/2023  
Next Scheduled EDR Contact: 10/16/2023  
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: 03/30/2023  
Date Data Arrived at EDR: 03/30/2023  
Date Made Active in Reports: 04/07/2023  
Number of Days to Update: 8

Source: Environmental Protection Agency  
Telephone: 202-272-0167  
Last EDR Contact: 07/05/2023  
Next Scheduled EDR Contact: 10/16/2023  
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: 03/30/2023  
Date Data Arrived at EDR: 03/30/2023  
Date Made Active in Reports: 06/09/2023  
Number of Days to Update: 71

Source: Environmental Protection Agency  
Telephone: 202-272-0167  
Last EDR Contact: 07/05/2023  
Next Scheduled EDR Contact: 10/16/2023  
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: 03/30/2023  
Date Data Arrived at EDR: 03/30/2023  
Date Made Active in Reports: 05/02/2023  
Number of Days to Update: 33

Source: Environmental Protection Agency  
Telephone: 202-272-0167  
Last EDR Contact: 07/05/2023  
Next Scheduled EDR Contact: 10/16/2023  
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  
Date Data Arrived at EDR: 03/17/2021  
Date Made Active in Reports: 11/08/2022  
Number of Days to Update: 601

Source: Department of Health & Human Services  
Telephone: 202-741-5770  
Last EDR Contact: 07/19/2023  
Next Scheduled EDR Contact: 11/06/2023  
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.

## GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 03/30/2023  
Date Data Arrived at EDR: 03/30/2023  
Date Made Active in Reports: 05/02/2023  
Number of Days to Update: 33

Source: Environmental Protection Agency  
Telephone: 202-272-0167  
Last EDR Contact: 07/05/2023  
Next Scheduled EDR Contact: 10/16/2023  
Data Release Frequency: Varies

### 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: 03/30/2023  
Date Data Arrived at EDR: 03/30/2023  
Date Made Active in Reports: 04/07/2023  
Number of Days to Update: 8

Source: Environmental Protection Agency  
Telephone: 202-272-0167  
Last EDR Contact: 07/05/2023  
Next Scheduled EDR Contact: 10/16/2023  
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: 03/30/2023  
Date Data Arrived at EDR: 03/30/2023  
Date Made Active in Reports: 04/03/2023  
Number of Days to Update: 4

Source: Environmental Protection Agency  
Telephone: 202-272-0167  
Last EDR Contact: 07/05/2023  
Next Scheduled EDR Contact: 10/16/2023  
Data Release Frequency: Varies

### PFAS ECHO FIRE TRAINING: 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: 03/30/2023  
Date Data Arrived at EDR: 03/30/2023  
Date Made Active in Reports: 04/03/2023  
Number of Days to Update: 4

Source: Environmental Protection Agency  
Telephone: 202-272-0167  
Last EDR Contact: 07/05/2023  
Next Scheduled EDR Contact: 10/16/2023  
Data Release Frequency: Varies

### PFAS PART 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: 03/30/2023  
Date Data Arrived at EDR: 03/30/2023  
Date Made Active in Reports: 04/03/2023  
Number of Days to Update: 4

Source: Environmental Protection Agency  
Telephone: 202-272-0167  
Last EDR Contact: 07/05/2023  
Next Scheduled EDR Contact: 10/16/2023  
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: 04/27/2023  
Date Data Arrived at EDR: 04/27/2023  
Date Made Active in Reports: 05/02/2023  
Number of Days to Update: 5

Source: Environmental Protection Agency  
Telephone: 202-272-0167  
Last EDR Contact: 07/06/2023  
Next Scheduled EDR Contact: 10/16/2023  
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: 05/02/2023  
Date Data Arrived at EDR: 05/09/2023  
Date Made Active in Reports: 08/02/2023  
Number of Days to Update: 85

Source: Department of Environment, Great Lakes & Energy  
Telephone: 517-284-9278  
Last EDR Contact: 08/09/2023  
Next Scheduled EDR Contact: 11/20/2023  
Data Release Frequency: Varies

### AIRS: Permit and Emissions Inventory Data Permit and emissions inventory data.

Date of Government Version: 03/15/2023  
Date Data Arrived at EDR: 03/16/2023  
Date Made Active in Reports: 06/01/2023  
Number of Days to Update: 77

Source: Department of Environment, Great Lakes, and Energy  
Telephone: 517-373-7074  
Last EDR Contact: 06/06/2023  
Next Scheduled EDR Contact: 09/25/2023  
Data Release Frequency: Annually

### ASBESTOS: Asbestos Notification Listing Asbestos

Date of Government Version: 05/31/2023  
Date Data Arrived at EDR: 06/08/2023  
Date Made Active in Reports: 06/29/2023  
Number of Days to Update: 21

Source: Department of Licensing & Regulatory Affairs  
Telephone: 517-284-7699  
Last EDR Contact: 07/07/2023  
Next Scheduled EDR Contact: 10/16/2023  
Data Release Frequency: Quarterly

### 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: 05/01/2023  
Date Data Arrived at EDR: 05/11/2023  
Date Made Active in Reports: 08/02/2023  
Number of Days to Update: 83

Source: Department of Environment, Great Lakes, and Energy  
Telephone: 517-373-9541  
Last EDR Contact: 08/02/2023  
Next Scheduled EDR Contact: 11/20/2023  
Data Release Frequency: No Update Planned

## GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

### 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: 06/22/2023

Next Scheduled EDR Contact: 10/09/2023

Data Release Frequency: Varies

### DRYCLEANERS: Drycleaning Establishments

A listing of drycleaning facilities in Michigan.

Date of Government Version: 07/11/2022

Date Data Arrived at EDR: 07/14/2022

Date Made Active in Reports: 09/22/2022

Number of Days to Update: 70

Source: Department of Environment, Great Lakes, and Energy

Telephone: 517-335-4586

Last EDR Contact: 07/11/2023

Next Scheduled EDR Contact: 10/23/2023

Data Release Frequency: Quarterly

### Financial Assurance 1: Financial Assurance Information Listing

Financial assurance information.

Date of Government Version: 03/28/2023

Date Data Arrived at EDR: 03/29/2023

Date Made Active in Reports: 06/12/2023

Number of Days to Update: 75

Source: Department of Environment, Great Lakes, and Energy

Telephone: 517-335-6610

Last EDR Contact: 06/22/2023

Next Scheduled EDR Contact: 10/09/2023

Data Release Frequency: Semi-Annually

### Financial 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: 03/17/2023

Date Data Arrived at EDR: 03/22/2023

Date Made Active in Reports: 06/01/2023

Number of Days to Update: 71

Source: Department of Environment, Great Lakes, and Energy

Telephone: 517-335-4034

Last EDR Contact: 06/13/2023

Next Scheduled EDR Contact: 10/02/2023

Data Release Frequency: Varies

### FINANCIAL ASSURANCE 3: Financial Assurance Information Listing

Financial assurance information for underground storage tank facilities.

Date of Government Version: 04/12/2023

Date Data Arrived at EDR: 04/26/2023

Date Made Active in Reports: 07/18/2023

Number of Days to Update: 83

Source: Department of Licensing & Regulatory Affairs

Telephone: 517-335-7279

Last EDR Contact: 07/06/2023

Next Scheduled EDR Contact: 10/09/2023

Data Release Frequency: Varies

### LEAD CERT: Lead Safe Housing Registry

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

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: 05/23/2023

Next Scheduled EDR Contact: 09/11/2023

Data Release Frequency: Quarterly

### NPDES: List of Active NPDES Permits

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

## GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 07/05/2022  
Date Data Arrived at EDR: 09/27/2022  
Date Made Active in Reports: 12/13/2022  
Number of Days to Update: 77

Source: Department of Environment, Great Lakes, and Energy  
Telephone: 517-241-1300  
Last EDR Contact: 06/29/2023  
Next Scheduled EDR Contact: 10/09/2023  
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: 04/13/2023  
Date Data Arrived at EDR: 04/19/2023  
Date Made Active in Reports: 07/11/2023  
Number of Days to Update: 83

Source: Department of Environment, Great Lakes, and Energy  
Telephone: 517-241-1515  
Last EDR Contact: 07/12/2023  
Next Scheduled EDR Contact: 10/30/2023  
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: 08/11/2022  
Date Data Arrived at EDR: 08/11/2022  
Date Made Active in Reports: 10/31/2022  
Number of Days to Update: 81

Source: Department of Environment, Great Lakes, and Energy  
Telephone: 517-284-6562  
Last EDR Contact: 08/09/2023  
Next Scheduled EDR Contact: 11/27/2023  
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: 05/25/2023  
Next Scheduled EDR Contact: 09/04/2023  
Data Release Frequency: Varies

### 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: 06/07/2023  
Date Data Arrived at EDR: 06/08/2023  
Date Made Active in Reports: 06/09/2023  
Number of Days to Update: 1

Source: Environmental Protection Agency  
Telephone: 202-566-0250  
Last EDR Contact: 07/05/2023  
Next Scheduled EDR Contact: 10/16/2023  
Data Release Frequency: Varies

### PCS ENF: Enforcement data

No description is available for this data

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

Source: EPA  
Telephone: 202-564-2497  
Last EDR Contact: 06/27/2023  
Next Scheduled EDR Contact: 10/16/2023  
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.

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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

Source: EPA, Office of Water  
Telephone: 202-564-2496  
Last EDR Contact: 06/27/2023  
Next Scheduled EDR Contact: 10/16/2023  
Data Release Frequency: No Update Planned

## **EDR HIGH RISK HISTORICAL RECORDS**

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

#### **EDR MGP: EDR Proprietary Manufactured Gas Plants**

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

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

Source: EDR, Inc.  
Telephone: N/A  
Last EDR Contact: N/A  
Next Scheduled EDR Contact: N/A  
Data Release Frequency: No Update Planned

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

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

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

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

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

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

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

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

## **EDR RECOVERED GOVERNMENT ARCHIVES**

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

## GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

### 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

Source: Department of Environment, Great Lakes, and Energy

Date Data Arrived at EDR: 07/01/2013

Telephone: N/A

Date Made Active in Reports: 12/24/2013

Last EDR Contact: 06/01/2012

Number of Days to Update: 176

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

Source: Department of Environment, Great Lakes, and Energy

Date Data Arrived at EDR: 07/01/2013

Telephone: N/A

Date Made Active in Reports: 01/13/2014

Last EDR Contact: 06/01/2012

Number of Days to Update: 196

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

Source: Department of Environment, Great Lakes, and Energy

Date Data Arrived at EDR: 07/01/2013

Telephone: N/A

Date Made Active in Reports: 12/24/2013

Last EDR Contact: 06/01/2012

Number of Days to Update: 176

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: 11/16/2022

Source: Department of Energy & Environmental Protection

Date Data Arrived at EDR: 11/16/2022

Telephone: 860-424-3375

Date Made Active in Reports: 02/06/2023

Last EDR Contact: 08/08/2023

Number of Days to Update: 82

Next Scheduled EDR Contact: 11/20/2023

Data Release Frequency: No Update Planned

### NJ MANIFEST: Manifest Information

Hazardous waste manifest information.

Date of Government Version: 12/31/2018

Source: Department of Environmental Protection

Date Data Arrived at EDR: 04/10/2019

Telephone: N/A

Date Made Active in Reports: 05/16/2019

Last EDR Contact: 06/27/2023

Number of Days to Update: 36

Next Scheduled EDR Contact: 10/16/2023

Data Release Frequency: Annually

## GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

### NY MANIFEST: Facility and Manifest Data

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

Date of Government Version: 01/01/2019  
Date Data Arrived at EDR: 10/29/2021  
Date Made Active in Reports: 01/19/2022  
Number of Days to Update: 82

Source: Department of Environmental Conservation  
Telephone: 518-402-8651  
Last EDR Contact: 07/27/2023  
Next Scheduled EDR Contact: 11/06/2023  
Data Release Frequency: Quarterly

### PA MANIFEST: Manifest Information

Hazardous waste manifest information.

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

Source: Department of Environmental Protection  
Telephone: 717-783-8990  
Last EDR Contact: 07/06/2023  
Next Scheduled EDR Contact: 10/23/2023  
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: 05/10/2022  
Next Scheduled EDR Contact: 08/28/2023  
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: 06/01/2023  
Next Scheduled EDR Contact: 09/18/2023  
Data Release Frequency: Annually

### Oil/Gas Pipelines

Source: Endeavor Business Media

Petroleum Bundle (Crude Oil, Refined Products, Petrochemicals, Gas Liquids (LPG/NGL), and Specialty Gases (Miscellaneous)) N = Natural Gas Bundle (Natural Gas, Gas Liquids (LPG/NGL), and Specialty Gases (Miscellaneous)). This map includes information copyrighted by Endeavor Business Media. This information is provided on a best effort basis and Endeavor Business Media does not guarantee its accuracy nor warrant its fitness for any particular purpose. Such information has been reprinted with the permission of Endeavor Business Media.

### Electric Power Transmission Line Data

Source: Endeavor Business Media

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**Sensitive Receptors:** There are individuals deemed sensitive receptors due to their fragile immune systems and special sensitivity to environmental discharges. These sensitive receptors typically include the elderly, the sick, and children. While the location of all sensitive receptors cannot be determined, EDR indicates those buildings and facilities - schools, daycares, hospitals, medical centers, and nursing homes - where individuals who are sensitive receptors are likely to be located.

### AHA Hospitals:

Source: American Hospital Association, Inc.  
Telephone: 312-280-5991

The database includes a listing of hospitals based on the American Hospital Association's annual survey of hospitals.

### Medical Centers: Provider of Services Listing

Source: Centers for Medicare & Medicaid Services  
Telephone: 410-786-3000

A listing of hospitals with Medicare provider number, produced by Centers of Medicare & Medicaid Services, a federal agency within the U.S. Department of Health and Human Services.

## GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

### 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<sup>®</sup> - PHYSICAL SETTING SOURCE ADDENDUM**

### **TARGET PROPERTY ADDRESS**

21750 HOOVER ROAD  
21750 HOOVER ROAD  
WARREN, MI 48089

### **TARGET PROPERTY COORDINATES**

Latitude (North):	42.456738 - 42° 27' 24.26"
Longitude (West):	83.003878 - 83° 0' 13.96"
Universal Transverse Mercator:	Zone 17
UTM X (Meters):	335228.0
UTM Y (Meters):	4702220.5
Elevation:	625 ft. above sea level

### **USGS TOPOGRAPHIC MAP**

Target Property Map:	14468149 HIGHLAND PARK, MI
Version Date:	2019
East Map:	14450092 GROSSE POINTE, 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).

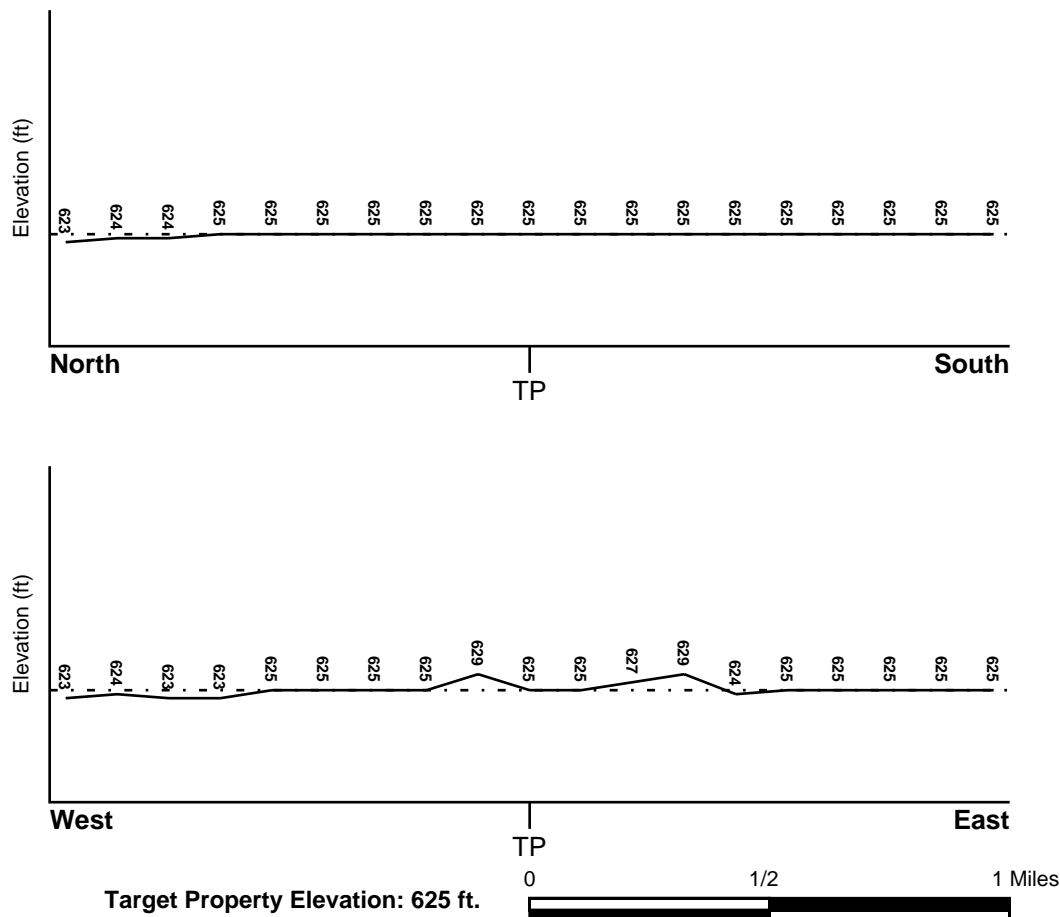
### TOPOGRAPHIC INFORMATION

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 West

### SURROUNDING TOPOGRAPHY: ELEVATION PROFILES



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

## GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

### HYDROLOGIC INFORMATION

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

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

### FEMA FLOOD ZONE

<u>Flood Plain Panel at Target Property</u>	<u>FEMA Source Type</u>
2601290010C	FEMA Q3 Flood data
<u>Additional Panels in search area:</u>	<u>FEMA Source Type</u>
26163C0150E	FEMA FIRM Flood data
2602220015B	FEMA Q3 Flood data

### NATIONAL WETLAND INVENTORY

<u>NWI Quad at Target Property</u>	<u>NWI Electronic Data Coverage</u>
HIGHLAND PARK	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>
A2	0 - 1/8 Mile SSW	E
5	1/2 - 1 Mile East	SW
1G	1/2 - 1 Mile East	SW
3G	0 - 1/8 Mile SSW	E

For additional site information, refer to Physical Setting Source Map Findings.

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

### **GROUNDWATER FLOW VELOCITY INFORMATION**

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

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

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

#### **ROCK STRATIGRAPHIC UNIT**

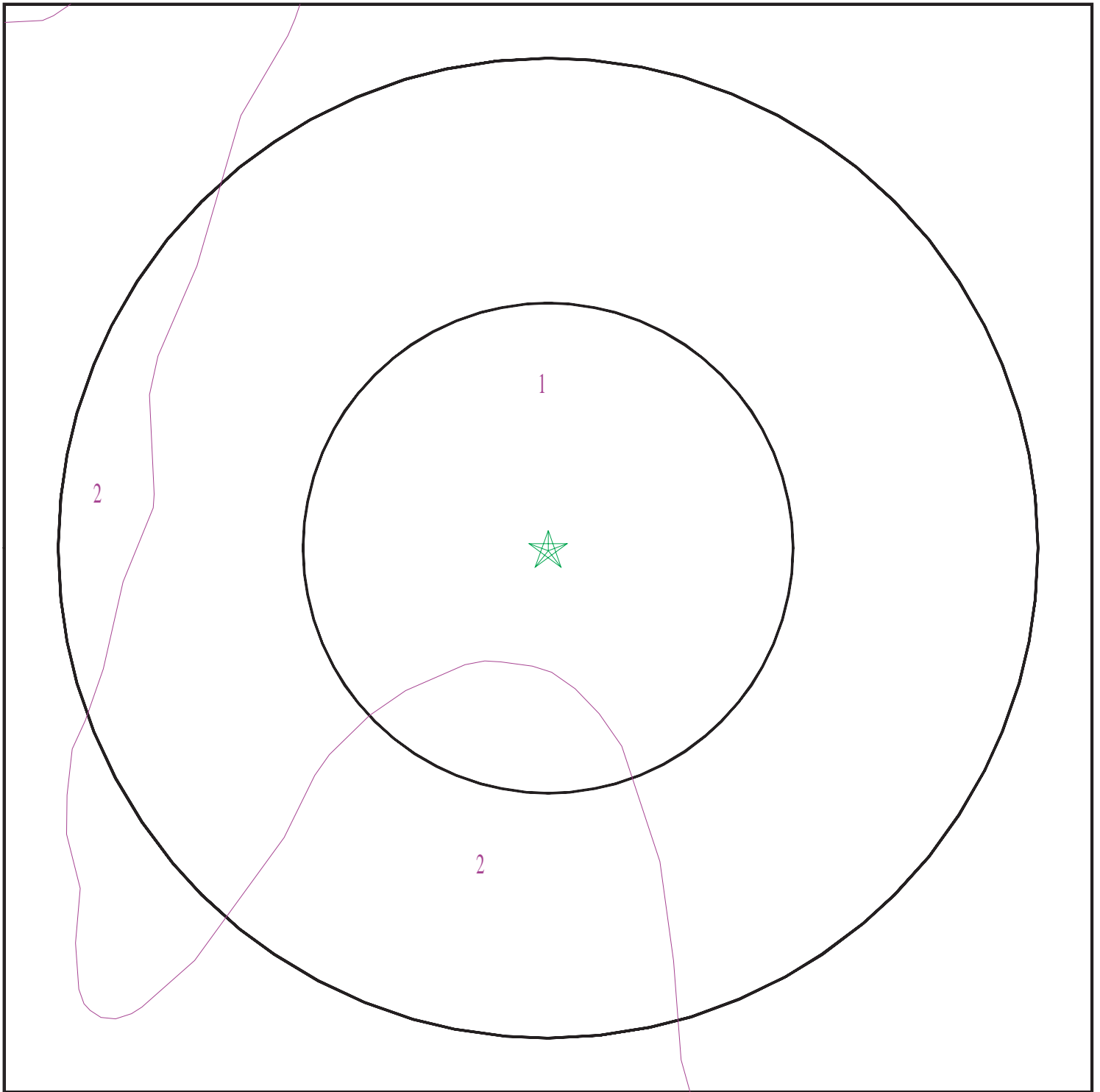
Era:	Paleozoic
System:	Devonian
Series:	Upper Devonian
Code:	D3 (decoded above as Era, System & Series)

#### **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).

# SSURGO SOIL MAP - 7414071.2s



- ★ Target Property
- ∕ SSURGO Soil
- ∕ Water



SITE NAME: 21750 Hoover Road  
ADDRESS: 21750 Hoover Road  
Warren MI 48089  
LAT/LONG: 42.456738 / 83.003878

CLIENT: Ramboll  
CONTACT: Maddy Salo  
INQUIRY #: 7414071.2s  
DATE: August 10, 2023 4:35 pm

## GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

### DOMINANT SOIL COMPOSITION IN GENERAL AREA OF TARGET PROPERTY

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

#### Soil Map ID: 1

Soil Component Name: Selfridge

Soil Surface Texture: fine sand

Hydrologic Group: Class B - Moderate infiltration rates. Deep and moderately deep, moderately well and well drained soils with moderately coarse textures.

Soil Drainage Class: Somewhat poorly drained

Hydric Status: Partially hydric

Corrosion Potential - Uncoated Steel: High

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 46 inches

Soil Layer Information							
Layer	Boundary		Soil Texture Class	Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
	Upper	Lower		AASHTO Group	Unified Soil		
1	0 inches	9 inches	fine sand	Granular materials (35 pct. or less passing No. 200), Silty, or Clayey Gravel and Sand.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Lean Clay	Max: 4 Min: 1.4	Max: 8.4 Min: 7.4
2	9 inches	29 inches	fine sand	Granular materials (35 pct. or less passing No. 200), Silty, or Clayey Gravel and Sand.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Lean Clay	Max: 4 Min: 1.4	Max: 8.4 Min: 7.4
3	29 inches	59 inches	clay loam	Granular materials (35 pct. or less passing No. 200), Silty, or Clayey Gravel and Sand.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Lean Clay	Max: 4 Min: 1.4	Max: 8.4 Min: 7.4

## GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

### Soil Map ID: 2

Soil Component Name: Sims

Soil Surface Texture: clay loam

Hydrologic Group: Class D - Very slow infiltration rates. Soils are clayey, have a high water table, or are shallow to an impervious layer.

Soil Drainage Class: Poorly drained

Hydric Status: Partially hydric

Corrosion Potential - Uncoated Steel: High

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

Soil Layer Information							
Layer	Boundary		Soil Texture Class	Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
	Upper	Lower		AASHTO Group	Unified Soil		
1	0 inches	7 inches	clay loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Lean Clay	Max: 1.4 Min: 0.42	Max: 8.4 Min: 7.4
2	7 inches	29 inches	clay loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Lean Clay	Max: 1.4 Min: 0.42	Max: 8.4 Min: 7.4
3	29 inches	59 inches	clay loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Lean Clay	Max: 1.4 Min: 0.42	Max: 8.4 Min: 7.4

### LOCAL / REGIONAL WATER AGENCY RECORDS

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

## GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

### WELL SEARCH DISTANCE INFORMATION

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

### **FEDERAL USGS WELL INFORMATION**

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

### **FEDERAL FRDS PUBLIC WATER SUPPLY SYSTEM INFORMATION**

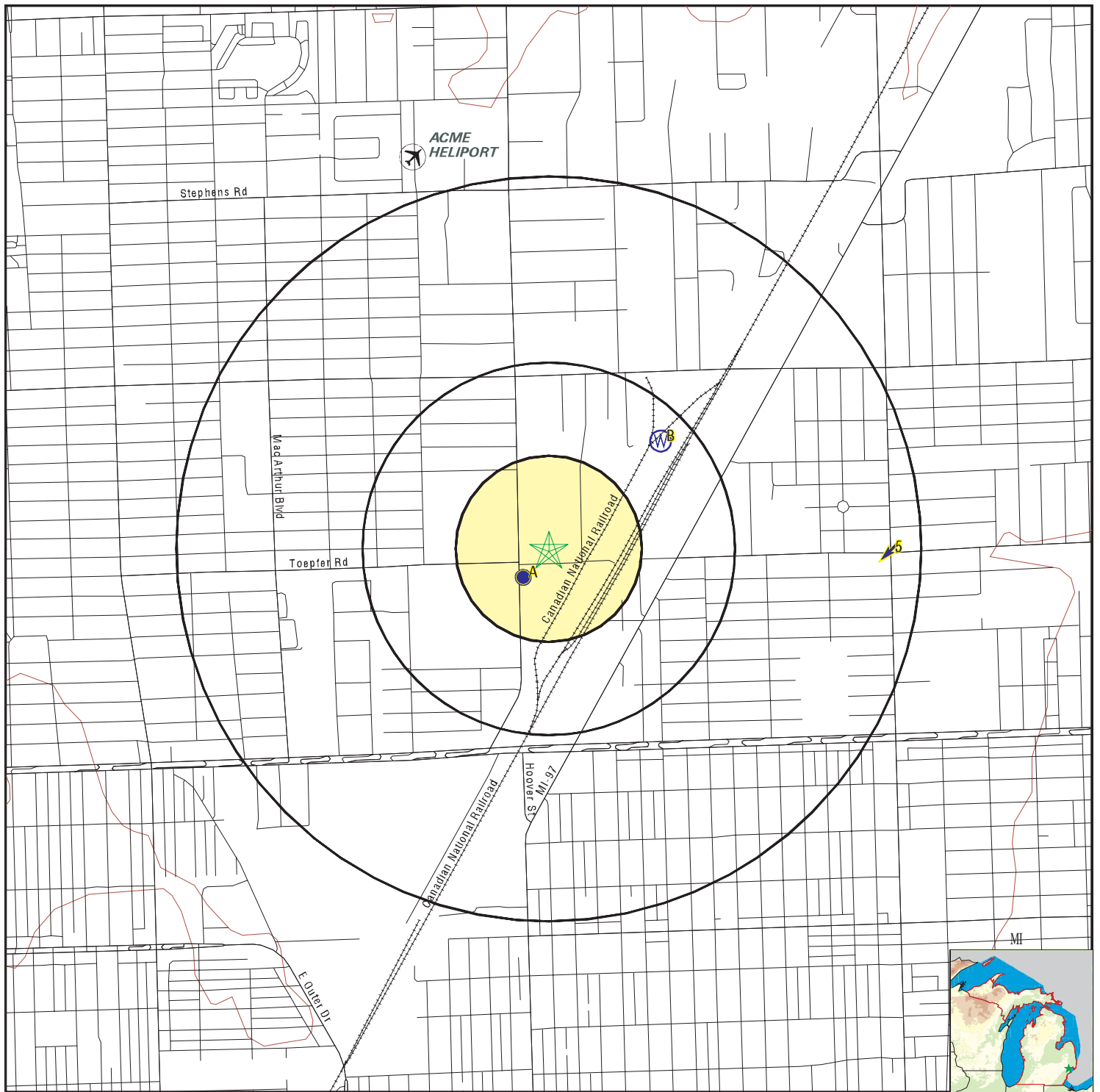
<u>MAP ID</u>	<u>WELL ID</u>	<u>LOCATION FROM TP</u>
No PWS System Found		

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

### **STATE DATABASE WELL INFORMATION**

<u>MAP ID</u>	<u>WELL ID</u>	<u>LOCATION FROM TP</u>
B3	MI6000000553671	1/4 - 1/2 Mile NE
B4	MI6000000553672	1/4 - 1/2 Mile NE

# PHYSICAL SETTING SOURCE MAP - 7414071.2s



- 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: 21750 Hoover Road  
 ADDRESS: 21750 Hoover Road  
 Warren MI 48089  
 LAT/LONG: 42.456738 / 83.003878

CLIENT: Ramboll  
 CONTACT: Maddy Salo  
 INQUIRY #: 7414071.2s  
 DATE: August 10, 2023 4:35 pm

# GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID  
Direction  
Distance  
Elevation

Database EDR ID Number

<b>A1 SW 0 - 1/8 Mile Higher</b>	Site ID:	5908277	<b>AQUIFLOW</b>	<b>35233</b>
	Groundwater Flow:	Not Reported		
	Shallowest Water Table Depth:	12		
	Deepest Water Table Depth:	14		
	Average Water Table Depth:	Not Reported		
	Date:	10/09/1991		

<b>A2 SSW 0 - 1/8 Mile Higher</b>	Site ID:	505068	<b>AQUIFLOW</b>	<b>35937</b>
	Groundwater Flow:	E		
	Shallowest Water Table Depth:	8		
	Deepest Water Table Depth:	13		
	Average Water Table Depth:	Not Reported		
	Date:	01/21/1993		

<b>B3 NE 1/4 - 1/2 Mile Higher</b>	<b>MI WELLS</b>	<b>MI6000000553671</b>
--	-----------------	------------------------

## WELLS:

Well ID:	50000012540	Permit #:	Not Reported
Owner:	N.T.H. CONSULTANTS, LTD	Well Depth (ft):	132
Well Type:	Other	Other Type Info:	DEWATERING
Well Status:	Plugged/Abandoned	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:	02-OCT-12
Case Type:	NONE	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):	999	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):	124		

<b>B4 NE 1/4 - 1/2 Mile Higher</b>	<b>MI WELLS</b>	<b>MI6000000553672</b>
--	-----------------	------------------------

## WELLS:

Well ID:	50000012541	Permit #:	Not Reported
Owner:	N.T.H. CONSULTANTS, LTD	Well Depth (ft):	142
Well Type:	Other	Other Type Info:	DEWATERING
Well Status:	Inactive	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:	10-OCT-12
Case Type:	PVC Plastic	Other Casing Info:	Not Reported
Case Diameter (in):	8	Case Depth (ft):	112
Screen Start Depth (ft):	112	Screen End Depth (ft):	142
Static Water Level (ft):	36	Flowing:	N

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Test Drawdown Depth (ft): 56  
Test Rate: 70  
Well Grouted: Y  
Elevation (ft): 0  
Rock Top (ft): 0

Test Hours: 24  
Test Method: TSTPUM  
Pump Capacity (gpm): 0  
Specific Capacity: 1.25

**5  
East  
1/2 - 1 Mile  
Higher**

Site ID: 505234  
Groundwater Flow: SW  
Shallowest Water Table Depth: 2  
Deepest Water Table Depth: 4  
Average Water Table Depth: Not Reported  
Date: 04/1997

**AQUIFLOW 35210**

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

Site ID: 505234  
Groundwater Flow: SW  
Shallowest Water Table Depth: 2  
Deepest Water Table Depth: 4  
Average Water Table Depth: Not Reported  
Date: 04/1997

**AQUIFLOW 35210**

**2G  
SW  
0 - 1/8 Mile  
Lower**

Site ID: 5908277  
Groundwater Flow: Not Reported  
Shallowest Water Table Depth: 12  
Deepest Water Table Depth: 14  
Average Water Table Depth: Not Reported  
Date: 10/09/1991

**AQUIFLOW 35233**

**3G  
SSW  
0 - 1/8 Mile  
Lower**

Site ID: 505068  
Groundwater Flow: E  
Shallowest Water Table Depth: 8  
Deepest Water Table Depth: 13  
Average Water Table Depth: Not Reported  
Date: 01/21/1993

**AQUIFLOW 35937**

# GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

## RADON

### AREA RADON INFORMATION

State Database: MI Radon

#### Radon Test Results

Zipcode	Test Date	LT Sign	Result
48089	3/12/2008	<	0.3
48089	11/10/2006	<	0.3
48089	3/12/2004		0.5
48089	11/13/2006	<	0.3
48089	2/25/2006	<	0.3
48089	2/16/2006	<	0.3
48089	1/15/2005	<	0.3
48089	3/16/2004	<	0.3
48089	11/4/2006	<	0.3
48089	2/25/2008		0.5
48089	10/29/2001	<	0.3
48089	4/5/2004	<	0.3
48089	12/8/2008	<	0.3
48089	2/24/2004	<	0.3
48089	2/23/2004	<	0.3
48089	9/5/2008	<	0.3
48089	3/4/2002	<	0.3
48089	5/11/2007	<	0.3
48089	4/28/1997	<	0.3
48089	6/28/1995		0.8
48089	3/1/2004		0.6
48089	2/2/1996		0.9
48089	3/12/2004		0.6
48089	3/3/2005		0.8
48089	5/22/2004		0.7
48089	4/12/2004		0.8
48089	1/21/2005		0.8
48089	10/29/2004		0.8
48089	2/1/2005		0.8
48089	11/26/2007		0.7
48089	8/20/2007		0.7
48089	1/18/2008		0.8
48089	7/2/2009		0.7
48089	9/28/2009		0.8
48089	3/30/1996		0.6
48089	1/12/2009		0.8
48089	2/5/1996		0.7
48089	11/19/2009		0.9
48089	9/7/2004		1.4
48089	5/28/2007		1.4
48089	10/30/2002		1.2
48089	3/7/2001		1.3
48089	3/8/2004		1.2
48089	3/14/2006		1.2
48089	2/6/2001		1.1
48089	10/9/2004		1.1
48089			

# GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

## RADON

### AREA RADON INFORMATION

	12/14/2001		1.0
48089	2/26/1996		1.0
48089	3/8/2006		1.0
48089	11/18/2006		1.0
48089	11/20/2007		6.8
48089	3/23/2000		6.0
48089	4/15/2000		5.9
48089	8/31/2006		7.1
48089	10/27/2007		2.1
48089	10/22/2004		2.4
48089	3/8/2004		2.4
48089	12/8/2007		2.4
48089	10/21/2009		2.3
48089	3/6/2004		2.2
48089	5/2/2000		2.6
48089	2/6/2009	<	0.3
48089	2/25/2008	<	0.3
48089	4/10/2004		3.4
48089	1/23/2001	<	0.3
48089	9/5/2006		3.2
48089	1/15/2010	<	0.3
48089	1/16/2007		3.7

Federal EPA Radon Zone for MACOMB County: 3

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

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

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

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Federal Area Radon Information for Zip Code: 48089

Number of sites tested: 3

Area	Average Activity	% <4 pCi/L	% 4-20 pCi/L	% >20 pCi/L
Living Area - 1st Floor	0.350 pCi/L	100%	0%	0%
Living Area - 2nd Floor	Not Reported	Not Reported	Not Reported	Not Reported
Basement	1.367 pCi/L	100%	0%	0%

# PHYSICAL SETTING SOURCE RECORDS SEARCHED

## **TOPOGRAPHIC INFORMATION**

### **USGS 7.5' Digital Elevation Model (DEM)**

Source: United States Geologic Survey

EDR acquired the USGS 7.5' Digital Elevation Model in 2002 and updated it in 2006. The 7.5 minute DEM corresponds to the USGS 1:24,000- and 1:25,000-scale topographic quadrangle maps. The DEM provides elevation data with consistent elevation units and projection.

### **Current USGS 7.5 Minute Topographic Map**

Source: U.S. Geological Survey

## **HYDROLOGIC INFORMATION**

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

Source: FEMA

Telephone: 877-336-2627

Date of Government Version: 2003, 2015

**NWI:** National Wetlands Inventory. This data, available in select counties across the country, was obtained by EDR in 2002, 2005, 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

## **HYDROGEOLOGIC INFORMATION**

### **AQUIFLOW<sup>R</sup> Information System**

Source: EDR proprietary database of groundwater flow information

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

## **GEOLOGIC INFORMATION**

### **Geologic Age and Rock Stratigraphic Unit**

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

### **STATSGO: State Soil Geographic Database**

Source: Department of Agriculture, Natural Resources Conservation Service (NRCS)

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

### **SSURGO: Soil Survey Geographic Database**

Source: Department of Agriculture, Natural Resources Conservation Service (NRCS)

Telephone: 800-672-5559

SSURGO is the most detailed level of mapping done by the Natural Resources Conservation Service, mapping scales generally range from 1:12,000 to 1:63,360. Field mapping methods using national standards are used to construct the soil maps in the Soil Survey Geographic (SSURGO) database. SSURGO digitizing duplicates the original soil survey maps. This level of mapping is designed for use by landowners, townships and county natural resource planning and management.

# PHYSICAL SETTING SOURCE RECORDS SEARCHED

## LOCAL / REGIONAL WATER AGENCY RECORDS

### FEDERAL WATER WELLS

#### PWS: Public Water Systems

Source: EPA/Office of Drinking Water

Telephone: 202-564-3750

Public Water System data from the Federal Reporting Data System. A PWS is any water system which provides water to at least 25 people for at least 60 days annually. PWSs provide water from wells, rivers and other sources.

#### PWS ENF: Public Water Systems Violation and Enforcement Data

Source: EPA/Office of Drinking Water

Telephone: 202-564-3750

Violation and Enforcement data for Public Water Systems from the Safe Drinking Water Information System (SDWIS) after August 1995. Prior to August 1995, the data came from the Federal Reporting Data System (FRDS).

#### USGS Water Wells: USGS National Water Inventory System (NWIS)

This database contains descriptive information on sites where the USGS collects or has collected data on surface water and/or groundwater. The groundwater data includes information on wells, springs, and other sources of groundwater.

### STATE RECORDS

#### Water Well Data

Source: Department of Environmental Quality

Telephone: 517-335-9218

The data in this file was obtained from Wellogis, the Michigan Department of Environmental Quality Statewide Groundwater Database (SGWD). Wellogis contains approximately 425,000 water well records found within the State of Michigan, and although it represents the best available data, it cannot be considered a complete database of all the wells or well records in existence. Locations of verified municipal and private water well sites compiled from Michigan Department of Public Health, Water Well and Pump Records. Available in the following MI counties: Calhoun, Eaton, Genesee, Ingham, Jackson, Kalamazoo, Kent, Midland, Muskegon, Oakland, Ottawaw, Saginaw, St. Clair, Washtenaw.

## OTHER STATE DATABASE INFORMATION

#### Michigan Oil and Gas Wells

Source: Department of Environmental Quality

Telephone: 517-241-1528

Locations of oil and gas wells are compiled from permit records on file at the Geological Survey Division (GSD), Michigan Department of Natural Resources.

### RADON

#### State Database: MI Radon

Source: Department of Environmental Quality

Telephone: 517-335-9551

Radon Test Results

#### Michigan Radon Test Results

Source: Department of Environmental Quality

Telephone: 517-335-8037

These results are from test kits distributed by the local health departments and used by Michigan residents. There is no way of knowing whether the devices were used properly, whether there are duplicates (or repeat verification) test (i.e., more than one sample per home), etc.

#### Area Radon Information

Source: USGS

Telephone: 703-356-4020

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

## PHYSICAL SETTING SOURCE RECORDS SEARCHED

### EPA Radon Zones

Source: EPA

Telephone: 703-356-4020

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

### OTHER

Airport Landing Facilities: Private and public use landing facilities

Source: Federal Aviation Administration, 800-457-6656

Epicenters: World earthquake epicenters, Richter 5 or greater

Source: Department of Commerce, National Oceanic and Atmospheric Administration

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

### **STREET AND ADDRESS INFORMATION**

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# Appendix 10

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# Air Use Permit to Install Exemption Record

**SUBJECT:** PTI Exemption Record – R.336.1278a  
Reworld Solutions, LLC, Warren, Michigan

**DATE:** June 27, 2024

**PROJECT NO.:** 231717

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## Executive Summary

Reworld Solutions, LLC (Reworld), formerly known as Covanta Environmental Solutions, LLC, is a sustainability-minded company that aims to help a wide range of federal, municipal, and commercial clients recover, recycle, and reimagine the byproducts of our daily lives through innovative waste and energy solutions. Reworld is developing a state of the art multifaceted waste process and recycling center at 21750 Hoover Road, Warren, Michigan (Facility). This facility will perform material processing, wastewater treatment, and recycling operations for the creation of alternative engineered fuel (AEF). Proposed operations include shredding of non-hazardous materials (including the containers in which the wastes are shipped), industrial wastewater treatment, and solidification. Fishbeck has reviewed the information supplied by Reworld for the proposed operations. This analysis is to demonstrate that the proposed operations are exempt from the requirement to obtain an Air Use Permit to Install (PTI) pursuant to Michigan’s exemption rules described as follows.

### Exemption Summary

Process	Exemption Rule	Installation Date (Fill in Upon Installation)
AEF Shredder	285(2)(l)(vi)(B)	
Wastewater Treatment	285(2)(m)	
Shredder for Nonhazardous Waste-Containing Liquids	285(2)(l)(vi)(B)	
Solidification	291(2)	

## Limitations

This analysis is limited to the currently proposed operations as described in the Process Description and Emission Calculation Methodology portions of this memorandum and to data supplied by Reworld. **Any changes to the process or equipment described in this memorandum or installation of additional equipment that emits air contaminants would need to be reviewed to determine whether a PTI would be required.** Only Michigan Air Rule Exemptions were reviewed as part of this Exemption Analysis. Regulations related to the Toxic Substances Control Act, waste, safety, industrial hygiene, etc. were not reviewed.

## Process Description

### Facility Description

Reworld is designing and implementing a new material processing facility (MPF) located at 21750 Hoover Road, Warren, Michigan. The MPF offers material recovery technology focused on energy, water recycling, and product creation. Proposed operations include shredding of non-hazardous materials, industrial wastewater treatment, and solidification. No fuel-burning equipment is proposed for the process, with the exception of a small engine to move the mobile shredder as needed. The small engine will be considered a *mobile source of emissions*, therefore, not subject to stationary source air permitting.

### Description of AEF Shredding Operation

Reworld is proposing to install one Untha XR3000 Mobil-e shredder or similar shredder (AEF Shredder), which will be utilized to shred materials used to make alternative engineered fuel (AEF). The AEF shredder will be internally-vented to the general in-plant environment. The shredding operation is electrically powered. Specifications for the AEF Shredder are presented in Attachment 1.

The AEF Shredder is rated at a capacity of 14 tons per hour (tph). Reworld anticipates processing up to approximately 40,000 tons per year (tpy). All materials accepted will be source separated and nonhazardous secondary material. Bunkers will be used to house the shredded material. The most common types of materials that will be processed to make engineered fuel include:

- Cardboard
- Textiles
- Large rolls (plastic, paper, foams)
- Thin film and flexible plastics (wraps, films, product packaging)
- Laminated paper and multi-layer plastic/paper mixes
- A variety of non-polyvinyl chloride (PVC) plastics

The following materials would be unacceptable:

- Plastics containing PVC
- Hazardous materials

- Wood waste
- Metals (ferrous/nonferrous)
- Dusty materials
- Food waste
- Medical, biological, and infectious waste
- Odorous materials

## Description of Wastewater Treatment Operation

Reworld will be a wastewater treatment facility, treating nonhazardous oil-bearing and organics-bearing wastewater generated by industrial facilities. Examples of nonhazardous wastewater accepted for treatment include oil-water mixtures, rinse or wash water from petroleum sources, wastewater from paint washes, tank cleanout wash water from non-petroleum sources, oil spill cleanup, etc.

Wastewater will be screened to remove solids before being transferred to one of three 20,000-gallon receiving tanks (RT1 – RT3). Wastewater will be sent from the receiving tanks to one of six 6,500-gallon treatment tanks (TT1 – TT6). Treatment will involve the addition of various chemicals and specialty polymers to facilitate oil separation and metals precipitation. Activated carbon filtration will be utilized as needed. Pretreated wastewater will be transferred to one of two 20,000-gallon discharge tanks (TW1, TW2). Batches of treated wastewater (20,000 gallons) will be discharged to the publicly-owned treatment works (POTW) up to five times daily (100,000 gallons daily). All treatment equipment will be internally-vented to the general in-plant environment.

Treatment chemicals utilized in the wastewater treatment system will include sulfuric acid, sodium hydroxide, alum, ferric chloride, lime, and polymers. Solids produced in the treatment process are settled out and dewatered. Sludge cake material will be sent offsite for disposal, while water removed from the sludge will be returned to the wastewater treatment system for further treatment.

## Description of Shredding of Nonhazardous Waste Containing Liquids

Reworld is proposing to install one SSI Shredding Systems Dual-Shear M120 Shredder or similar shredder (nonhazardous liquid waste shredder), which will be utilized to shred drums and totes containing nonhazardous waste, including the free liquids they contain. The majority of the 55-gallon drums will be made of steel; however, there may also be some made of poly or fiber; totes will be plastic. This material processing is used to prepare the nonhazardous liquid waste for solidification. The liquid waste shredder will be internally-vented to the general in-plant environment. The shredding operation is electrically powered. Specifications for the liquid waste shredder are presented in Attachment 2.

All materials accepted will be nonhazardous. Examples of materials that will be accepted include:

- Nonhazardous liquids and sludges
- Nonhazardous solids
- Packaged liquid non-putrescible organic food waste and products such as beverages, cooking oil, canned goods, latex paint, and flavorings
- Packaged inorganic liquid wastes that do not exhibit any hazardous waste characteristics, such as cleaning agents
- Packaged solid organic non-putrescible food wastes and products such as grains, cereals, animal feed, and powdered paint
- Packaged inorganic solids that do not exhibit characteristics of a hazardous waste and do not appear on any list of hazardous waste

## Description of Solidification Operation

Reworld is proposing to install a solidification operation, which will consist of pits used for mixing solidification materials with nonhazardous-liquid-containing materials. The process will utilize three 18 foot by 20 foot by 10 foot pits.

Solidification material will be added to the shredded material; the resulting solidified material will be suitable for disposal, primarily to thermal treatment facilities. Clean, off-spec shredded diapers obtained from manufacturers will be used as the primary solidification material, with sawdust used if off-spec diapers are unavailable. Reworld should update this analysis if new solidification materials are introduced which could affect emissions.

## Emission Calculation Methodology

Facility-wide potential emissions have been calculated for the project and are summarized in Table 1. All sources are internally-vented to the general in-plant environment. Emissions related to the proposed processes were calculated using the methodologies described in this Exemption Record. Table 1 summarizes each emission unit and related specific air permit exemptions.

### AEF Shredder Emissions

The AEF shredder will be used to process various nonhazardous materials for use in engineered fuel. Emissions of fine particulate matter less than 10 microns or 2.5 microns (PM<sub>10</sub> and PM<sub>2.5</sub>, respectively) are expected to be minimal. Although numerous similar shredders are located throughout the United States for use in resource recovery, reliable emission factors were not readily available for the materials that Reworld proposes to shred, including paper, cardboard, textiles, and plastics. Fishbeck extensively researched air permits for similar shredders and was unable to find air permits for shredding operations for paper, cardboard, textiles, or plastics. In fact, many state agencies do not appear to have air requirements for such shredders, which supports the expectation that emissions from the proposed shredder at Reworld will be minimal.

Because emission factors for shredding of paper, cardboard, textiles, or plastics are not readily available, Fishbeck quantified the PTE for the shredder utilizing emission factors from AP-42 Section 10.1 for log debarking to represent cardboard and paper shredding.

For the purpose of determining the shredder's PTE, it was assumed that the shredder will continually operate at its 14 tph capacity, as presented in Table 2. All emissions are internally-vented to the general in-plant environment.

Hazardous air pollutant (HAP) emissions from the shredding of paper, cardboard, textiles, or plastics are anticipated to be negligible.

### Wastewater Treatment Emissions

Reworld operates a wastewater treatment facility in Milwaukee, Wisconsin.<sup>1</sup> In 2018, an assessment of PTE and actual emissions was prepared for the Milwaukee facility by Leonhardt Environmental, P.C.; that assessment is provided as Attachment 3. Reworld has confirmed that the proposed wastewater treatment system operations at the Warren facility will be similar to its Milwaukee facility; therefore, the assumptions and calculations presented in the 2018 assessment are appropriate for use for the Warren facility. PTE for the proposed wastewater treatment system at Warren is presented in Table 3. All emissions are internally-vented to the general in-plant environment.

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<sup>1</sup> The Reworld Milwaukee facility was formerly known as Covanta Environmental Solutions, LLC

HAP emissions are conservatively assumed to be equivalent to volatile organic compound (VOC) emissions.

## Nonhazardous Liquid Waste Shredder

The nonhazardous liquid waste shredder will be used to shred drums and totes containing nonhazardous waste including the free liquids they contain. This material processing is used to prepare the nonhazardous liquid waste for solidification. Emissions of fine particulate matter less than 10 microns or 2.5 microns (PM<sub>10</sub> and PM<sub>2.5</sub>, respectively) are expected to be minimal, especially given that the material being shredded is wet. Emission factors for this specific type of shredding were not readily available. Therefore, emission factors from fines crushing from crushed stone operations, obtained from AP-42 Section 11.19.2, Table 11.19.2-2, were utilized to estimate emissions. The emission factors represent *a controlled source with wet suppression*, which is most similar to the proposed shredding of liquid waste containers. This control is inherent to the process and can, therefore, be used in PTE calculations. Emissions of VOCs are assumed to be negligible.

Additionally, the process is internally-vented and the building itself is expected to further reduce emissions. An inherent reduction of 50% expected from the building enclosure was applied to the particulate emissions.

For the purpose of determining the nonhazardous liquid waste shredder's PTE, it was assumed that the shredder will continually operate at the 600 tons per day (tpd) capacity, as presented in Table 4. This total daily throughput is the proposed limit for the facility's solid waste permit application. It is assumed that this proposed limit will become a federally enforceable permit condition in the solid waste permit and, therefore, can be used to limit PTE. Drums and totes of liquid waste will be shredded prior to solidification.

Hazardous air pollutant (HAP) emissions from the shredding of metal have been evaluated based on typical stainless steel and carbon steel alloys, which is documented in Table 5.

## Solidification Emissions

Reworld also operates a solidification facility in Milwaukee, Wisconsin.<sup>1</sup> As previously stated, in 2018, an assessment of PTE and actual emissions was prepared for the Milwaukee facility by Leonhardt Environmental, P.C. and is presented as Attachment 3. Reworld has confirmed that the proposed solidification operations at the Warren facility will be similar to its Milwaukee facility and emission factors presented in the 2018 assessment are appropriate for use for the Warren facility. The solid waste throughput will be limited by the solid waste permit limit, which is proposed to be 600 tpd. PTE for the proposed solidification operations at Warren are presented in Table 6. All emissions are internally-vented to the general in-plant environment, and an estimated inherent reduction in emissions of 50% provided by the building enclosure has been taken into account for particulate emissions. It is important to note, that particulate matter generated from the Reworld processes are considered *fugitive dust* and, pursuant to Rule 106(k), the definition of fugitive dust generated from indoor processes only applies to those emissions that are emitted to the outdoor air through building openings and general exhaust; therefore, any dust generated and remaining inside the building enclosure are not emissions. The primary solidification material will be off-spec diapers, the use of which will have minimal to no associated dust. However, PTE was conservatively based on the use of sawdust as the solidification material, consistent with the 2018 assessment for the Milwaukee facility.

VOC emissions are expected to be negligible. As with the Milwaukee facility, a maximum VOC content of no more than 10 parts per million (ppm) is anticipated for incoming solidification streams. HAP emissions are conservatively assumed to be equivalent to VOC emissions.

A review of TAC emissions is also required under Rule 291. Emissions of potential TACs from the solidification process have been estimated using the USEPA *Industrial Waste Air Model Technical Background Document* Equations 2-5, 2-15, 2-16, 2-18, 2-19, and 2-21. Detailed calculations were performed for 338 TACs (Table 7), most of which are not expected to be found in any incoming waste streams; however, all have been included as a conservative measure. The methodologies used in the detailed calculations are discussed below.

If **Diffusivity in Air** was not provided in the USEPA Water9 Database, the Diffusivity in Air was calculated using Equation 2-5:

$$D_a = \frac{0.00229 (T_a + 273.16)^{1.5} \sqrt{0.034 + \left(\frac{1}{MW}\right) MW_{cor}}}{\left(\left(\frac{MW}{2.5\rho}\right)^{0.333} + 1.8\right)^2}$$

Where:

- $D_a$  = diffusivity of water in the air
- $T_a$  = temperature of the air (K)
- $MW$  = molecular weight of the constituent (g/mol)
- $MW_{cor}$  = molecular weight of the correlation (g/mol)
- $\rho$  = density of the constituent (g/cm<sup>3</sup>)

The **Vapor-Liquid Equilibrium Coefficient** was calculated using Equation 2-15:

$$K_{eq} = \frac{T_{corr} P_{vap} MW_{waste} \epsilon_a}{RTL}$$

Where:

- $K_{eq}$  = vapor-liquid equilibrium coefficient for constituent (g/cm<sup>3</sup> per g/cm<sup>3</sup>)
- $T_{corr}$  = temperature correction factor for vapor pressure for constituent (unitless)
- $P_{vap}$  = pure component vapor pressure of constituent at 25°C (atm)
- $MW_{waste}$  = average molecular weight of the waste (g/mol)
- $\epsilon_a$  = air-filled porosity (cm<sup>3</sup>/cm<sup>3</sup>)
- $R$  = universal gas constant = 82.1 cm<sup>3</sup>-atm/mol-K
- $T$  = temperature of the system (K)
- $L$  = waste loading rate (g/cm<sup>3</sup>)

The **Temperature Correction Factor** was calculated using Equation 2-16:

$$T_{corr} = 10^{\left(VP_b \left( \frac{-1}{VP_c + T - 273.15} + \frac{1}{VP_c + 25} \right) \right)}$$

Where:

- $T_{corr}$  = temperature correction factor for vapor pressure for constituent (unitless)
- $VP_b$  = Antoine's Vapor Pressure Constant B for constituent
- $VP_c$  = Antoine's Vapor Pressure Constant C for constituent
- $T$  = temperature of the system (K)

The Antoine Vapor Pressure Coefficients were assumed to be 1.

The **Effective Diffusivity** was calculated using Equation 2-18:

$$D_{eff} = D_a \frac{\epsilon_a^{3.33} T_{C,gas}}{\epsilon_t^2}$$

Where:

$D_{eff}$	=	effective diffusivity of constituent in the system (cm <sup>2</sup> /s)
$D_a$	=	diffusivity of constituent in air at 25°C (cm <sup>2</sup> /s)
$\epsilon$	=	total porosity (cm <sup>3</sup> /cm <sup>3</sup> )
$T_{C,gas}$	=	temperature correction factor for gas diffusivity (unitless) (T/298.15) <sup>1.75</sup>

The diffusivity of each constituent in air at 25°C was obtained from the *USEPA Water 9 Database* or calculated.

The **Volatilization Rate Constant** was calculated using Equation 2-19:

$$K_v = \frac{K_{eq} D_{eff}}{D_{wmu}^2}$$

Where:

$K_v$	=	volatilization rate constant for constituent (1/s)
$K_{eq}$	=	vapor-liquid equilibrium coefficient for constituent (g/cm <sup>3</sup> per g/cm <sup>3</sup> )
$D_{eff}$	=	effective diffusivity of constituent in the system (cm <sup>2</sup> /s)
$d_{wmu}$	=	characteristic depth of the WMU (cm)

The characteristic depth used in the calculation is based on the depth of treatment pits.

The **Fraction Emitted** was calculated using Equation 2-21:

$$f_{emitted} = 2 \left( \frac{K_v t_{calc}}{\pi} \right) 0.5 \left[ 1 - \frac{t_{calc} b_{soil}}{3} \right]$$

Where:

$f_{emitted}$	=	fraction of constituent emitted to the atmosphere (unitless)
$K_v$	=	volatilization rate constant for constituent (1/s)
$t_{calc}$	=	processing time (s)
$b_{soil}$	=	biodegradation rate constant for constituent (1/s).

Processing time is conservatively assumed to be 24 hours.

The **Average Emission Flux Rate** for the treatment pits was calculated as follows:

$$E = MW \times C_{waste} \times f_{emitted} / A / t$$

Where:

$E$	=	emission flux rate of constituent (g/m <sup>2</sup> - s)
$MW$	=	molecular weight (g/mol)
$C_{waste}$	=	concentration of constituent <i>i</i> in waste (mg/kg = g/Mg)
$f_{emitted}$	=	fraction of constituent <i>i</i> emitted to the atmosphere (unitless)
$A$	=	surface area of the pits (m <sup>2</sup> )
$t$	=	processing time (s)

The calculations were conservatively performed assuming that each of the TACs could be in the solidification stream at the maximum 10 ppm. The area used in the calculations was based on area of one of the pits in the treatment building. A pound per emission rate was calculated based on the amount of waste that could be held in one pit. It was conservatively assumed that the waste in the pit will be held for 24 hours (i.e. 86,400 second/day).

The **Pound per Ton Emission Rate** was calculated as follows:

$$E_{PPT} = E \times A \times (0.0929 \frac{m^2}{ft^2}) \times (86,400 s/day) / (453.6 \frac{g}{lb} \times U)$$

Where:

$E_{PPT}$	=	emission rate (lb/ton)
$E$	=	emission flux rate of constituent ( $g/m^2 \cdot s$ )
$A$	=	surface area of the pits ( $ft^2$ )
$U$	=	daily weight of waste in pit (tons/day)

The annual emissions were then based on the 600 tpd multiplied by 365 days per year. Table 7 summarizes the maximum calculated emissions rates for the TACs.

## Rule 278a(1)(a) Scope of Permit Exemptions – Description

To qualify for permit exemptions under Michigan Air Pollution Control Rules, the emission units must meet the scope of permit exemptions identified in Rule 336.1278a, which states the following:

### ***R 336.1278a Scope of permit exemptions.***

*Rule 278a. (1) To be eligible for a specific exemption listed in R 336.1280 to R 336.1291, any owner or operator of an exempt process or exempt process equipment must be able to provide information demonstrating the applicability of the exemption. The demonstration may include the following information:*

*(a) A description of the exempt process or process equipment, including the date of installation.*

## Rule 278a(1)(a) Applicability

A process description is provided in the *Process Description* and *Emission Calculation Methodology* sections of this Tech Memo. The proposed emission units will be installed in 2024. Specific installation dates should be entered into the table in the executive summary following installation.

## Rule 278a(1)(b) Scope of Permit Exemptions – Specific Exemptions

### ***R 336.1278a Scope of Permit Exemptions***

*(1) (b) The specific exemption being used by the process or process equipment.*

## Miscellaneous Process Equipment (AEF Shredder) – Rule 285(2)(I)(B) Exemption

The proposed AEF shredding operations qualify for exemption pursuant to Rule 336.1285(2)(I)(B) which states:

### ***R 336.1285 Permit to install exemptions; miscellaneous.***

*(2) The requirement of R 336.1201(1) to obtain a permit to install does not apply to any of the following:*

*(I) The following equipment and any exhaust system or collector exclusively serving the equipment:*

*(vi) Equipment for carving, cutting, routing, turning, drilling, machining, sawing, surface grinding, sanding, planing, buffing, sand blast cleaning, shot blasting, shot peening, or polishing ceramic artwork, leather, metals, graphite, plastics, concrete, rubber, paper board, wood, wood products, stone, glass, fiberglass, or fabric which meets any of the following:*

*(B) Equipment that has emissions that are released only into the general in-plant environment.*

The proposed AEF shredder will be used to shred (cut) a variety of materials including rubber, paper board, fabric, and similar materials. The shredder will be internally-vented to the general in-plant environment. The operation of the shredder meets the criteria defined in 285(2)(l)(B).

## **Miscellaneous Process Equipment (Wastewater Treatment) – Rule 285(2)(m) Exemption**

The proposed wastewater treatment operations qualify for exemption pursuant to Rule 336.1285(2)(m) which states:

***R 336.1285 Permit to install exemptions; miscellaneous.***

- (2) The requirement of R 336.1201(1) to obtain a permit to install does not apply to any of the following:*
  - (m) Lagoons, process water treatment equipment, wastewater treatment equipment, and sewage treatment equipment, except for any of the following:*
    - (i) Lagoons and equipment primarily designed to treat volatile organic compounds in process water, wastewater, or groundwater, unless the emissions from the lagoons and equipment are only released into the general in-plant environment.*
    - (ii) Sludge incinerators and dryers.*
    - (iii) Heat treatment processes.*

The proposed operations will be utilized to treat industrial wastewater. The system is not *primarily designed to treat VOCs* and emissions will be internally-vented to the general in-plant environment. Therefore, the proposed wastewater treatment operations are not excluded pursuant to 285(2)(m)(i) and, consequently, meets the exemption criteria defined in 285(2)(m).

## **Miscellaneous Process Equipment (Nonhazardous Liquid Waste Shredder) – Rule 285(2)(l)(B) Exemption**

The proposed shredding operations for nonhazardous liquid waste qualify for exemption pursuant to Rule 336.1285(2)(l)(B) which states:

***R 336.1285 Permit to install exemptions; miscellaneous.***

- (2) The requirement of R 336.1201(1) to obtain a permit to install does not apply to any of the following:*
  - (l) The following equipment and any exhaust system or collector exclusively serving the equipment:*
    - (vi) Equipment for carving, cutting, routing, turning, drilling, machining, sawing, surface grinding, sanding, planing, buffing, sand blast cleaning, shot blasting, shot peening, or polishing ceramic artwork, leather, metals, graphite, plastics, concrete, rubber, paper board, wood, wood products, stone, glass, fiberglass, or fabric which meets any of the following:*
      - (B) Equipment that has emissions that are released only into the general in-plant environment.*

The proposed nonhazardous liquid waste shredder will be used to shred (cut) drums and totes of waste containing liquids. The majority of the 55-gallon drums will be of steel construction but may also be poly or fiber; totes will be plastic. The shredder will be internally-vented to the general in-plant environment. The operation of the shredder meets the criteria defined in 285(2)(l)(B).

## **Process Equipment with de minimis Emissions (Solidification) – Rule 291 Exemption**

The solidification operations appear to qualify for exemptions under Rule 336.1291(2) which states:

***R 336.1291 Permit to install exemptions; emission units with “de minimis” emissions.***

- (2) The requirement of R 336.1201(1) to obtain a permit to install does not apply to any emission unit in which potential emissions meet the conditions listed in subdivisions (a) to (d) of this subrule and table 23 for all air contaminants listed. In addition, records shall be maintained in accordance with subdivisions (e) and (f) of this subrule.*

- (a) The combined potential emissions of all toxic air contaminants with screening levels greater than or equal to 0.04 micrograms per cubic meter and less than 2 micrograms per cubic meter shall not exceed 0.12 tons per year.
- (b) The combined potential emissions of all toxic air contaminants with screening levels greater than or equal to 0.005 micrograms per cubic meter and less than 0.04 micrograms per cubic meter shall not exceed 0.06 tons per year.
- (c) The combined potential emissions of all toxic contaminants with screening levels less than 0.005 micrograms per cubic meter shall not exceed 0.006 tons per year.
- (d) The emission unit has no potential emissions of asbestos and/or subtilisin proteolytic enzymes.
- (e) A description of the emission unit shall be maintained throughout the life of the unit.
- (f) Documentation and/or calculations identifying the quality, nature, and quantity of the air contaminant emissions are maintained in sufficient detail to demonstrate that the potential emissions are less than those listed in subdivisions (a) to (d) of this subrule and Table 23. Such documentation shall include the toxic air contaminant screening level applicable at the time of installation and/or modification of the emission unit.

Table 7 includes the Rule 291 exemption review. Conservatively estimated VOC emissions (Tables 6 and 7) demonstrate that process meets the VOC PTE threshold of 5 tpy.

The proposed solidification process will be utilized to solidify nonhazardous liquid material. Emissions will be internally-vented to the general in-plant environment. Typical solidification streams that Reworld expects to treat are anticipated to meet the requirements of Rule 291(2)(a) through (d). Therefore, emissions from the solidification process are expected to meet all conditions listed under R 336.1291(2), including limits found in Table 23 of Rule 291. Rule 291 requires sources to review and update the PTE if changes to the process or materials occur. The PTE of air contaminants for the proposed solidification process must be less than the limits in the following table.

Pollutant	291 Limit (tpy)
Carbon dioxide equivalent (CO <sub>2</sub> e)	75,000
Carbon monoxide (CO)	10
Nitrogen oxides (NO <sub>x</sub> )	10
Sulfur dioxide (SO <sub>2</sub> )	10
VOC (defined Rule 122)	5
Particulate matter (PM)	10
Fine particulate matter less than 10 microns (PM <sub>10</sub> )	5
fine particulate matter less than 2.5 microns (PM <sub>2.5</sub> )	3
Lead	0.1
Fluorides	1
Sulfuric acid (H <sub>2</sub> SO <sub>4</sub> ) mist	0.12
Hydrogen sulfide (H <sub>2</sub> S)	2
Total reduced sulfur	2
Reduced sulfur compounds	2
Total mercury	0.12
Total TACs not listed above with any screening level (SL)*	5
Total TACs not listed above without a SL	6
Rule 291(2)(a) – $0.04 \leq SL < 2$	0.12
Rule 291(2)(b) – $0.005 \leq SL < 0.04$	0.06
Rule 291(2)(c) – $SL < 0.005$	0.006
Rule 291(2)(d) – asbestos	Not allowed
Rule 291(2)(d) – subtilisin proteolytic enzymes	Not allowed

\* Screening levels can be obtained from the EGLE-AQD Air Toxics website.

## Rule 278a(1)(c) Scope of Permit Exemptions – Rule 278 Exclusions

In addition to the Rule 336.1278a(1)(a) and (b) scope of permit exemptions identified above, Rule 336.1278a(1)(c) states:

### ***R 336.1278a Scope of Permit Exemptions***

- (1) (c) *An analysis demonstrating that R 336.1278 does not apply to the process or process equipment.*

Rule 336.1278 states:

### ***R 336.1278 Exclusion from exemption.***

*Rule 278. (1) The exemptions specified in R 336.1280 to R 336.1291 do not apply to either of the following:*

- (a) Any activity that is subject to prevention of significant deterioration of air quality regulations or new source review for major sources in nonattainment areas regulations.*
  - (b) Any activity that results in an increase in actual emissions greater than the significance levels defined in R 336.1119. For the purpose of this rule, "activity" means the concurrent and related installation, construction, reconstruction, relocation, or modification of any process or process equipment.*
- (2) The exemptions specified in R 336.1280 to R 336.1291 do not apply to the construction of a new major source of hazardous air pollutants or reconstruction of a major source of hazardous air pollutants, as defined in 40 C.F.R. §63.2 and subject to §63.5(b)(3), national emission standards for hazardous air pollutants, adopted by reference in R 336.1902.*
- (3) The exemptions specified in R 336.1280 to R 336.1291 do not apply to a construction or modification as defined in and subject to 40 C.F.R. part 61, national emission standards for hazardous air pollutants, adopted by reference in R 336.1902.*
- (4) The exemptions in R 336.1280 to R 336.1291 apply to the requirement to obtain a permit to install only and do not exempt any source from complying with any other applicable requirement or existing permit limitation.*

Emissions from all proposed processes that comprise the project have been calculated based on the emission estimates presented in this memo. Emissions from all proposed operations are internally-vented to the general in-plant environment; they are considered **fugitive emissions**, as they *could not reasonably pass through a stack, chimney, vent, or other functionally equivalent opening* [106(l)]. By definition, fugitive emissions of criteria pollutants (PM, PM<sub>10</sub>, PM<sub>2.5</sub>, and VOC in this case) are generally not required to be included in determination of PTE unless the facility belongs to one of the listed source categories [116(n)]. Reworld does not belong to any of the listed source categories. However, Fishbeck has conservatively included these fugitive emissions in the project PTE presented in Table 1 to demonstrate that, even with fugitive emissions included, the project emissions are below significance thresholds. A copy of pertinent rules is provided as Attachment 4.

Emissions from the project are less than the significance thresholds [278(1)(b)]; therefore, the proposed processes (shredders, wastewater treatment, solidification) are not subject to the *PSD Regulations* [278(1)(a)]<sup>2</sup> or *Nonattainment NSR Regulations* [278(2)].<sup>3</sup> The project equipment does not trigger preconstruction review or modification pursuant to either a Part 63 or Part 61 NESHAP.<sup>4</sup> There is no applicable Part 63 or Part 61 NESHAP associated with the proposed processes (shredders, wastewater treatment, solidification) [278(2) and (3)]. Should there be any changes to the materials accepted for solidification or to the solidification materials, the PTE for the solidification process will require reevaluation that ensures that the process continues to comply with Rule 291 thr

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<sup>2</sup> Prevention of Significant Deterioration (PSD) Regulations

<sup>3</sup> New Source Review (NSR) Regulations

<sup>4</sup> 40 CFR Part 61 National Emission Standards for Hazardous Air Pollutants (NESHAP)

40 CFR Part 63 Subpart DD - *NESHAP from Off-Site Waste and Recovery Operations* applies to **major sources** of HAP emissions. Reworld is an **area source** of HAPs; therefore, Subpart DD does not apply.

esholds [278(4)]. **As none of the exclusions listed in Rule 278 apply to the process equipment, the equipment (shredders, wastewater treatment, solidification) is eligible for the specific exemptions identified.**

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### List of Attachments

Attachment 1 Untha Shredder Specifications – AEF

Attachment 2 SSI Shredder Specifications – Nonhazardous Liquid Waste

Attachment 3 Milwaukee Facility Assessment

Attachment 4 Applicable Air Pollution Control Rules

### List of Abbreviations/Acronyms

AQD	Air Quality Division of EGLE
CO	carbon monoxide
CO <sub>2</sub> e	carbon dioxide equivalent
EGLE	Michigan Department of Environment, Great Lakes, and Energy
H <sub>2</sub> S	hydrogen sulfide
H <sub>2</sub> SO <sub>4</sub>	sulfuric acid
HAP	hazardous air pollutant
MPF	material processing facility
NESHAP	National Emission Standards for Hazardous Air Pollutants
NSR	New Source Review
PM	particulate matter
PM <sub>10</sub>	fine particulate matter less than 10 microns
PM <sub>2.5</sub>	fine particulate matter less than 2.5 microns
ppm	parts per million
POTW	publicly-owned treatment works
PSD	prevention of significant deterioration
PTE	potential to emit
PTI	Permit to Install
PVC	polyvinyl chloride
SCC	Source Classification Code
SL	screening level
SO <sub>2</sub>	sulfur dioxide
TAC	toxic air contaminant
tph	ton(s) per hour
tpy	ton(s) per year
VOC	volatile organic compound

# Tables

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**Table 1 – Project Emissions Summary - PTE**

Air Permit to Install Exemption Demonstration

Reworld Solutions, LLC, Warren, Michigan

	AEF Shredder	Wastewater Treatment	Nonhazardous Liquid Waste Shredder	Solidification	Total Project Annual Emissions (tpy)	Significant Emission Rate	% of SER	Exceeds SER?	PSD Major Source Threshold	Exceeds Major Source Threshold
<i>Exemption Rule</i>	285(2)(l)(vi)(B)	285(2)(m)	285(2)(l)(vi)(B)	291(2)						
Pollutant	Annual Emissions (tpy)	Annual Emissions (tpy)	Annual Emissions (tpy)	Annual Emissions (tpy)						
CO					-	<b>100</b>	0%	No	<b>250</b>	No
NO <sub>x</sub>					-	<b>40</b>	0%	No	<b>250</b>	No
PM	0.7		0.2	8.2	9.1	<b>25</b>	36%	No	<b>250</b>	No
PM <sub>10</sub>	0.7		0.1	3.9	4.7	<b>15</b>	31%	No	<b>250</b>	No
PM <sub>2.5</sub>	0.7		0.004	0.6	1.3	<b>10</b>	13%	No	<b>250</b>	No
SO <sub>2</sub>					-	<b>40</b>	0%	No	<b>250</b>	No
VOC		2.5		2.2	4.7	<b>40</b>	12%	No	<b>250</b>	No
CO <sub>2</sub>					-	<b>See CO<sub>2</sub>e</b>				
CH <sub>4</sub>					-					
N <sub>2</sub> O					-					
CO <sub>2</sub> e					-	<b>75,000</b>	0%	No	NA	NA
Lead					-	<b>0.6</b>	0%	No	NA	NA
Fluorides					-	<b>3.0</b>	0%	No	NA	NA
H <sub>2</sub> S					-	<b>10.0</b>	0%	No	NA	NA
H <sub>2</sub> SO <sub>4</sub>					-	<b>7</b>	0%	No	NA	NA
Highest Single HAP		2.5	0.0	2.2	4.7	<b>NA</b>	NA	NA	NA	NA
Aggregate HAPs		2.5	0.0	2.2	4.7	<b>NA</b>	NA	NA	NA	NA

Note: HAP emissions from AEF shredder are assumed to be negligible.

Note: Emissions for all sources are internally vented and are, therefore, fugitive emissions. By definition, fugitive emissions of criteria pollutants (PM, PM<sub>10</sub>, PM<sub>2.5</sub>, and VOC in this case) are not required to be included in determination of PTE, as the facility does not belong to one of the listed 28 source categories requiring inclusion of fugitive emissions in PTE [Rule 116(n)]. Fugitive emissions, however, have been conservatively included in this analysis.

**Table 2 – Proposed AEF Shredder - Estimated Emissions [Rule 285(2)(l)(vi)(B) Exemption]**

Air Permit to Install Exemption Demonstration

Reworld Solutions, LLC, Warren, Michigan

*Potential Emissions - Cardboard and Paper Shredding*

Process	Throughput				Pollutant	Uncontrolled Emission Factor		Uncontrolled Emissions	
	lb/hr	tons/hr	hrs/yr	tons/yr				lb/hr	tpy
Shredder - Potential	28,000	14	8,760	122,640	PM	0.012	lbs/ton <sup>1,2</sup>	0.17	0.7
					PM <sub>10</sub>	0.012	lbs/ton <sup>1,2</sup>	0.17	0.7
					PM <sub>2.5</sub>	0.012	lbs/ton <sup>1,2</sup>	0.17	0.7

Note: The emission estimate applies the worst-case assumption that 100% of the material handled is cardboard and paper. A 50% reduction has been taken for the reduction in emissions provided by building enclosure. HAP emissions are assumed to be negligible.

<sup>1</sup> Emission factor for PM was obtained from AP-42 Section 10.1, Table 4-4 for log debarking

([https://www3.epa.gov/ttnchie1/old/ap42/ch10/s01/draft/db\\_c10s01\\_1994.pdf](https://www3.epa.gov/ttnchie1/old/ap42/ch10/s01/draft/db_c10s01_1994.pdf)). This section of AP-42 is inactive, but no other emission factors are available. Log debarking is believed to be reasonably conservative for the proposed shredding operations and is consistent with assumptions for a similar Covanta facility in Alabama.

<sup>2</sup> A control factor of 50% has been assumed due to inherent reduction in emissions provided by building enclosure.  
50% inherent control for building enclosure

**Table 3 – Proposed Wastewater Treatment - Estimated Emissions [Rule 285(2)(m) Exemption]**

Air Permit to Install Exemption Demonstration

Reworld Solutions, LLC, Warren, Michigan

Process	Pollutant	Potential Wastewater Throughput <sup>1</sup> (Million gal/yr)	Potential Wastewater Throughput <sup>1</sup> (Million lb/yr)	Maximum Concentration in Wastewater <sup>1</sup> (ppm)	Potential VOC (lb/yr)	Potential VOC (tpy)
Wastewater Treatment	VOC	60	500.4	10	5,004	2.5

<sup>1</sup> Based on 2018 *Assessment of Potential and Actual Air Emissions, Milwaukee Wastewater Treatment and Solidification Facility*, Covanta Environmental Solutions, Milwaukee, Wisconsin, prepared by Leonhardt Environmental, P.C., Raleigh, North Carolina.

**Table 4 – Proposed Nonhazardous Liquid Waste Shredder - Estimated Emissions [Rule 285(2)(l)(vi)(B) Exemption]**

Air Permit to Install Exemption Demonstration

Reworld Solutions, LLC, Warren, Michigan

*Scenario 1 - Worst-Case - Potential Emissions - Metal Shredding using Fines Crushing from AP-42*

Process	Total Throughput <sup>1</sup>			Pollutant	Controlled Emission Factor		Emissions	
	tons/day	days/yr	tons/yr				lb/day	tpy
Shredder	600	365	219,000	PM	0.0015	lbs/ton <sup>2,3</sup>	0.90	0.2
				PM <sub>10</sub>	0.0006	lbs/ton <sup>2,3</sup>	0.36	0.1
				PM <sub>2.5</sub>	0.00004	lbs/ton <sup>2,3</sup>	0.02	0.004

Process	Metal Throughput			PM Emission Factor lb/ton <sup>2,3</sup>	HAPs	Maximum Alloy Content	Emissions	
	tons/day	days/yr	tons/yr				lb/day	tpy
Shredder	60	365	21,900	0.0015	Maximum (Chromium)	20%	0.02	0.003
					Aggregate HAPs	36%	0.03	0.01

Note: VOC emissions are assumed to be negligible for this nonhazardous liquid waste shredding process.

<sup>1</sup>Total throughput is the proposed limit for solid waste permit application. It is assumed that this proposed limit will become a federally enforceable permit condition in the solid waste permit and, therefore, can be used to limit PTE. Drums and totes of liquid waste will be shredded prior to solidification.

<sup>2</sup>Emission factor in lb/ton is for fines crushing from crushed stone operations, obtained from AP-42 Section 11.19.2, Table 11.19.2-2. Emission factors represent controlled source with wet suppression, which is most similar to the proposed shredding of liquid waste containers.

0.003 PM                      lb/ton  
0.0012 PM<sub>10</sub>                lb/ton  
0.00007 PM<sub>2.5</sub>            lb/ton

<sup>3</sup>A control factor of 50% has been assumed due to inherent reduction in emissions provided by building enclosure.  
50% inherent control for building enclosure

**Table 5 – Alloy Contents of Representative Stainless Steel and Carbon Steel Used for Drums**

Air Permit to Install Exemption Demonstration

Reworld Solutions, LLC, Warren, Michigan

Alloy Component	CAS No.	HAP?	Stainless Steel 304 Alloy Content	Stainless Steel 304L Alloy Content	Stainless Steel 316 Alloy Content	Stainless Steel 316L Alloy Content	Carbon Steel Alloy Content	Maximum Alloy Content
Carbon (C)	7440-44-0	No	0.08%	0.03%	0.08%	0.03%	2.10%	2.1%
Manganese (Mn)	7439-96-5	Yes	2.00%	2.00%	2.00%	2.00%	1.65%	2.0%
Phosphorus (P)	7723-14-0	Yes	0.045%	0.045%	0.045%	0.045%		0.0%
Sulfur (S)	7704-34-9	No	0.03%	0.03%	0.03%	0.03%		0.0%
Silicon (Si)	7440-21-3	No	1.00%	1.00%	1.00%	1.00%	0.60%	1.0%
Chromium (Cr)	7440-47-3	Yes	20.00%	20.00%	18.00%	18.00%		20.00%
Nickel (Ni)	7440-02-0	Yes	11.00%	12.00%	14.00%	14.00%		14.00%
Molybdenum (Mo)	7439-98-7	No			3.00%	3.00%		3.0%
Nitrogen (N)	7727-37-9	No						0.00%
Copper (Cu)	7440-50-8	No					0.60%	0.60%

Note: Alloy component contents represent maximum if range provided.

Sources:Stainless Steel Alloy: [Stainless Steel Chemical Composition Chart \(theworldmaterial.com\)](https://theworldmaterial.com/)Carbon steel Alloy: [A Guide to Carbon Steel Grades \(Plus a Chart\) \(jsssteel.com\)](https://jsssteel.com/)

**Table 6 – Proposed Solidification - Estimated Emissions [Rule 291(2) Exemption] - 600 tpd Scenario**

Air Permit to Install Exemption Demonstration

Reworld Solutions, LLC, Warren, Michigan

Process	Potential Throughput <sup>1</sup> (tons/day)	Potential Throughput <sup>1</sup> (tons/yr)	Solidification Material Usage Rate <sup>2</sup> (tons/100 ton waste)	Pollutant	Emission Factor	Emissions (tpy)
Solidification	600	219000	15	PM	0.5 lb/ton <sup>3,4</sup>	8.2
				PM <sub>10</sub>	0.24 lb/ton <sup>5</sup>	3.9
				PM <sub>2.5</sub>	0.04 lb/ton <sup>5</sup>	0.6
				VOC	10 ppm <sup>3,6</sup>	2.2

<sup>1</sup>Proposed limit for solids waste permit application. It is assumed that this proposed limit will become a federally enforceable permit condition in the solid waste permit and, therefore, can be used to limit PTE for Rule 291.

<sup>2</sup> A saw dust usage rate of 15% is based on typical operations at similar Reworld solidification facilities.

<sup>3</sup> Based on 2018 *Assessment of Potential and Actual Air Emissions, Milwaukee Wastewater Treatment and Solidification Facility, Covanta Environmental Solutions, Milwaukee, Wisconsin*, prepared by Leonhardt Environmental, P.C., Raleigh, North Carolina.

<sup>4</sup>Emission factor is 1 pound PM per ton of sawdust for sawdust handling, as provided in 2018 assessment referenced in Footnote 3. A control factor of 50% has been assumed due to inherent reduction in emissions provided by building enclosure.

50% inherent control for building enclosure

<sup>5</sup>Relative particle size multipliers from Aggregate Handling and Storage Piles (AP-42 13.2.4) were utilized to speciate PM<sub>10</sub> and PM<sub>2.5</sub> from PM. PM<sub>30</sub> was conservatively assumed to be PM.

0.74 PM<sub>30</sub> k

k = particle size multipliers

0.35 PM<sub>10</sub> k

0.053 PM<sub>2.5</sub> k

<sup>6</sup>Represents maximum VOC content for incoming waste stream for solidification, as provided in 2018 assessment referenced in Footnote 3.

Table 7 - Rule 291 Demonstration - Proposed Solidification

Air Permit to Install Exemption Demonstration

Reworld Solutions, LLC, Warren, Michigan

Volatile Emissions

Total Porosity (ε <sub>t</sub> )	0.50	cm <sup>3</sup> /cm <sup>3</sup>
Air-filled Porosity (ε <sub>a</sub> )	0.25	cm <sup>3</sup> /cm <sup>3</sup>
Waste Bulk Density (ρ <sub>b</sub> )	1.40	g/cm <sup>3</sup>
biodegradation	1.00E-20	--
T temp of system (K)	293.15	K
Temperature of System Interior (T)	293.15	K
Temperature Correction (Tc)	0.97	
Universal Gas Constant (R)	82.10	cm <sup>3</sup> -atm/mol-°K
Average Molecular Weight of Waste (MW <sub>waste</sub> )	80.00	g/mol
Pit Depth	10.00	ft
Pit Area	360.00	ft <sup>2</sup>
Pit Waste Mass	157.22	tons
Characteristic Depth of Pit (dwmu)	152.40	cm
residence time	86,400.00	s
Max VOC Content of waste stream	10	ppm

Type	Total volume (tons/day)	Volume Per Year (tpy)	Allowed Emissions (tpy)
Contaminated Material	600	219,000	5

Represents total volume of waste allowed to be processed per day and per year

	CAS	VOC	Density	Boiling Point	Vapor Pressure @ 60F	Molecular Weight (MV)	Diffusivity in air (Da)	Antoine Coefficients			Concentration	IWAIR Equations					
								A	B	C		Temerpature Corrected (Tcorr)	vapor/liquid equilibrium coefficient (Keq)	Effecticve Diffusivity (Deff)	volatilization rate of the compound (Kv )	Fraction of the VOCs emitted (femitted)	Mass Flux Rate (E) (per pit)
			compound	compound	compound	compound	compound	compound	compound	compound		2-16	2-15	2-18	2-19	2-21	2-37
Compounds			g/cm3	C	mmHg	lb/lbmol	cm2/s				ppm		g/cm3 / g/cm3	cm^2/s	1/s	per time period	g/m^2-s
Furan	11109	VOC	0.94	-	5.21E+02	68.08	1.05E-01	1.00	1.00	1.00	10.00	0.979	3.4E-04	4.0E-03	5.9E-11	2.5E-03	1.26E-06
Ethyl Sulfide	352932	VOC	0.84	92.00	5.02E+02	90.19	7.81E-02	1.00	1.00	1.00	10.00	0.979	4.3E-04	3.0E-03	5.6E-11	2.5E-03	1.22E-06
Hydrogen Sulfide	7783064	-	1.41	-	1.52E+04	34.08	1.76E-01	6.99	768.13	249.09	10.00	0.887	4.5E-03	6.8E-03	1.3E-09	1.2E-02	5.91E-06
Chloroethane	75003	VOC	1.41	12.00	1.20E+03	64.51	2.71E-01	6.94	1,012.78	236.68	10.00	0.841	6.4E-04	1.0E-02	2.8E-10	5.6E-03	2.76E-06
Ethyl ether	60297	VOC	0.71	35.00	7.60E+02	74.12	7.82E-02	1.00	1.00	1.00	10.00	0.979	5.4E-04	3.0E-03	7.0E-11	2.8E-03	1.37E-06
Hydrogen Chloride	7647010	-	0.91	(85.00)	6.80E+02	36.46	1.53E-01	1.00	1.00	1.00	10.00	0.979	2.4E-04	5.9E-03	6.0E-11	2.6E-03	1.27E-06
Methyl Sulfide	75183	VOC	1.26	36.00	5.02E+02	62.10	1.40E-01	7.15	1,195.58	242.00	10.00	0.821	2.5E-04	5.4E-03	5.8E-11	2.5E-03	1.25E-06
1,1-Dichloroethane	75343	VOC	1.17	57.00	5.91E+02	98.96	7.42E-02	6.99	1,171.42	228.13	10.00	0.807	4.6E-04	2.8E-03	5.7E-11	2.5E-03	1.23E-06
Ethylidene Dichloride	75343	VOC	1.17	57.00	5.91E+02	98.96	7.42E-02	6.99	1,171.42	228.13	10.00	0.807	4.6E-04	2.8E-03	5.7E-11	2.5E-03	1.23E-06
1,1,2-Trichloro-1,2,2-trifluoroethane	76131	VOC	1.58	48.00	3.00E+02	187.38	7.80E-02	8.78	1,890.00	273.00	10.00	0.779	4.3E-04	3.0E-03	5.5E-11	2.5E-03	1.22E-06
Dichloromethane	75092	VOC	1.34	40.00	4.40E+02	84.93	1.01E-01	6.97	1,070.00	223.00	10.00	0.815	3.0E-04	3.9E-03	5.0E-11	2.3E-03	1.15E-06
Isohexane	107835	VOC	0.65	60.00	3.10E+02	86.18	7.94E-02	1.00	1.00	1.00	10.00	0.979	2.6E-04	3.0E-03	3.4E-11	1.9E-03	9.48E-07
Hydrogen Fluoride	7664393	-	0.97	20.00	4.00E+02	20.01	3.88E-01	7.22	1,268.37	273.87	10.00	0.847	6.6E-05	1.5E-02	4.2E-11	2.2E-03	1.07E-06
cis-1,2-Dichloroethylene	156592	VOC	1.28	61.00	2.00E+02	96.95	1.80E-01	7.02	1,205.40	230.60	10.00	0.805	1.5E-04	6.9E-03	4.5E-11	2.2E-03	1.10E-06
Ethyl Mercaptan	75081	VOC	1.00	35.00	4.42E+02	62.10	1.11E-01	6.95	1,084.53	231.39	10.00	0.824	2.2E-04	4.3E-03	4.1E-11	2.1E-03	1.04E-06
Iodomethane	74884	VOC	1.00	42.00	4.00E+02	141.94	5.24E-02	6.99	1,146.34	236.66	10.00	0.822	4.6E-04	2.0E-03	3.9E-11	2.1E-03	1.03E-06
Carbon disulfide	75150	VOC	1.26	46.00	3.66E+02	76.10	1.04E-01	6.94	1,170.00	242.00	10.00	0.825	2.2E-04	4.0E-03	3.9E-11	2.1E-03	1.02E-06
Cyclopentane	287923	VOC	1.00	42.00	4.00E+02	70.10	1.03E-01	6.89	1,124.16	231.36	10.00	0.818	2.2E-04	3.9E-03	3.8E-11	2.0E-03	1.01E-06
Pentane	109660	VOC	0.63	36.00	4.26E+02	72.15	8.21E-02	6.88	1,075.78	233.21	10.00	0.827	2.5E-04	3.2E-03	3.4E-11	1.9E-03	9.50E-07
Methyl tert-butyl ether	1634044	VOC	0.74	55.00	2.18E+02	88.15	7.50E-02	1.00	1.00	1.00	10.00	0.979	1.8E-04	2.9E-03	2.3E-11	1.6E-03	7.81E-07
Hexane (n-Hexane)	110543	VOC	0.66	69.00	1.50E+02	86.20	2.00E-01	6.88	1,171.17	224.41	10.00	0.802	1.0E-04	7.7E-03	3.3E-11	1.9E-03	9.47E-07
trans-1,2-Dichloroethylene	156605	VOC	1.41	48.00	3.31E+02	96.94	7.03E-02	6.97	1,141.90	231.90	10.00	0.816	2.6E-04	2.7E-03	3.0E-11	1.8E-03	8.92E-07
1,1,1-Trichloroethane	71556	VOC	1.33	75.00	1.23E+02	133.40	7.80E-02	1.00	1.00	1.00	10.00	0.979	1.6E-04	3.0E-03	2.0E-11	1.5E-03	7.36E-07
Ammonia	7664417	-	0.68	(33.00)	4.00E+02	17.03	2.59E-01	7.55	1,002.71	247.89	10.00	0.854	5.7E-05	9.9E-03	2.4E-11	1.6E-03	8.07E-07
Propyl Mercaptan	107039	VOC	1.00	67.00	1.55E+02	76.20	9.65E-02	1.00	1.00	1.00	10.00	0.979	1.1E-04	3.7E-03	1.8E-11	1.4E-03	6.95E-07
1,2-Dichloroethylene	540590	VOC	1.28	55.00	2.00E+02	96.95	8.83E-02	7.02	1,205.40	230.60	10.00	0.805	1.5E-04	3.4E-03	2.2E-11	1.6E-03	7.72E-07
Acetone	67641	VOC	0.79	56.00	2.32E+02	58.08	1.24E-01	7.12	1,210.00	230.00	10.00	0.804	1.1E-04	4.8E-03	2.2E-11	1.5E-03	7.62E-07
Hydrazine	302012	-	1.00	114.00	5.49E+02	44.06	1.40E-01	1.00	1.00	1.00	10.00	0.979	2.3E-04	5.4E-03	5.4E-11	2.4E-03	1.20E-06
Chloroprene	126998	VOC	0.96	-	1.18E+02	88.54	1.04E-01	6.16	783.00	180.00	10.00	0.803	8.2E-05	4.0E-03	1.4E-11	1.2E-03	6.14E-07
Ethylene Dibromide	106934	VOC	1.41	131.00	1.10E+01	187.86	4.30E-02	7.34	1,680.00	245.00	10.00	0.763	1.5E-05	1.7E-03	1.1E-12	3.5E-04	1.71E-07
N-Nitrosodimethylamine	62759	VOC	1.01	153.00	2.70E+00	74.08	1.04E-01	1.00	1.00	1.00	10.00	0.979	1.9E-06	4.0E-03	3.3E-13	1.9E-04	9.39E-08
Quinoline	91225	VOC	1.02	238.00	1.00E+00	129.16	5.98E-02	1.00	1.00	1.00	10.00	0.979	1.2E-06	2.3E-03	1.2E-13	1.2E-04	5.72E-08
bis(2-Chloroethyl)ether	111444	VOC	1.22	179.00	1.55E+00	143.01	4.13E-02	7.69	1,990.80	235.35	10.00	0.708	1.5E-06	1.6E-03	1.0E-13	1.1E-04	5.30E-08

Table 7 - Rule 291 Demonstration - Proposed Solidification

Air Permit to Install Exemption Demonstration

Reworld Solutions, LLC, Warren, Michigan

Volatile Emissions

Pollutant	Annual Emissions (tpy)	291 Limit (tpy)	Under 291 Limits
CO		10	YES
NOX		10	YES
PM	8.21E+00	10	YES
PM10	3.88E+00	5	YES
PM2.5	5.88E-01	3	YES
SO2		10	YES
VOC	2.19E+00	5	YES
CO2e		75000	YES
Mercury <sup>1</sup>		0.12	YES

<sup>1</sup>Emissions and Rule 291 limit are in pounds.

										291(2)(a)	291(2)(b)	291(2)(c)			
										Rule 291 Group	<=0.04- <2	<=.005- <.04	<.005	Other TACs w/SL	Other TACs no SL
	CAS	VOC	Emissions per Pit	Emissions per ton	Annual Emissions	ITSL	2nd ITSL	IRSL	AQD Footnote	LIMIT (tpy)	0.120	0.060	6.00E-03	5.00E+00	6.00E+00
										TOTAL	0.006	0.007	0.005	0.026	0.006
Compounds			lb/Pit	lb/ton Waste	tpy	ug/cm	ug/cm	ug/cm		Under 291 LIMITS	YES	YES	YES	YES	YES
Furan	11109	VOC	8.00E-03	5.09E-05	5.57E-03	NA	NA	NA	NA						X
Ethyl Sulfide	352932	VOC	7.80E-03	4.96E-05	5.43E-03	NA	NA	NA	NA						X
Hydrogen Sulfide	7783064	-	3.77E-02	2.40E-04	2.62E-02	10.00	100.00	-	-					X	
Chloroethane	75003	VOC	1.76E-02	1.12E-04	1.23E-02	10,000.00	-	-	-					X	
Ethyl ether	60297	VOC	8.70E-03	5.53E-05	6.06E-03	12,000.00	-	-	-					X	
Hydrogen Chloride	7647010	-	8.08E-03	5.14E-05	5.63E-03	20.00	2,100.00	-	13					X	
Methyl Sulfide	75183	VOC	7.94E-03	5.05E-05	5.53E-03	7.00	-	-	-					X	
1,1-Dichloroethane	75343	VOC	7.84E-03	4.99E-05	5.46E-03	500.00	-	-	-					X	
Ethylidene Dichloride	75343	VOC	7.84E-03	4.99E-05	5.46E-03	500.00	-	-	-					X	
1,1,2-Trichloro-1,2,2-trifluoroethane	76131	VOC	7.75E-03	4.93E-05	5.39E-03	19,140.00	-	-	-					X	
Dichloromethane	75092	VOC	7.35E-03	4.67E-05	5.12E-03	2,000.00	14,000.00	60.00	13					X	
Isohexane	107835	VOC	6.04E-03	3.84E-05	4.21E-03	17,600.00	-	-	-					X	
Hydrogen Fluoride	7664393	-	6.79E-03	4.32E-05	4.73E-03	14.00	240.00	-	13					X	
cis-1,2-Dichloroethylene	156592	VOC	7.02E-03	4.47E-05	4.89E-03	18.00	-	-	-					X	
Ethyl Mercaptan	75081	VOC	6.64E-03	4.22E-05	4.63E-03	13.00	-	-	-					X	
Iodomethane	74884	VOC	6.55E-03	4.17E-05	4.56E-03	120.00	-	-	-					X	
Carbon disulfide	75150	VOC	6.48E-03	4.12E-05	4.51E-03	700.00	-	-	-					X	
Cyclopentane	287923	VOC	6.43E-03	4.09E-05	4.48E-03	17,200.00	-	-	-					X	
Pentane	109660	VOC	6.05E-03	3.85E-05	4.22E-03	17,700.00	-	-	-					X	
Methyl tert-butyl ether	1634044	VOC	4.98E-03	3.17E-05	3.47E-03	3,000.00	-	-	-					X	
Hexane (n-Hexane)	110543	VOC	6.03E-03	3.84E-05	4.20E-03	700.00	-	-	-					X	
trans-1,2-Dichloroethylene	156605	VOC	5.69E-03	3.62E-05	3.96E-03	200.00	-	-	-					X	
1,1,1-Trichloroethane	71556	VOC	4.69E-03	2.98E-05	3.27E-03	6,000.00	-	-	-					X	
Ammonia	7664417	-	5.14E-03	3.27E-05	3.58E-03	350.00	-	-	39					X	
Propyl Mercaptan	107039	VOC	4.43E-03	2.82E-05	3.08E-03	16.00	-	-	-					X	
1,2-Dichloroethylene	540590	VOC	4.92E-03	3.13E-05	3.43E-03	35.00	-	-	-					X	
Acetone	67641	VOC	4.86E-03	3.09E-05	3.38E-03	5,900.00	-	-	-					X	
Hydrazine	302012	-	7.64E-03	4.86E-05	5.32E-03	-	-	0.00	-				X		
Chloroprene	126998	VOC	3.91E-03	2.49E-05	2.73E-03	20.00	-	0.00	-				X		
Ethylene Dibromide	106934	VOC	1.09E-03	6.94E-06	7.60E-04	9.00	-	0.00	-				X		
N-Nitrosodimethylamine	62759	VOC	5.98E-04	3.80E-06	4.16E-04	-	-	0.00	-				X		
Quinoline	91225	VOC	3.64E-04	2.32E-06	2.54E-04	-	-	0.00	-				X		
bis(2-Chloroethyl)ether	111444	VOC	3.37E-04	2.15E-06	2.35E-04	-	-	0.00	-				X		

Table 7 - Rule 291 Demonstration - Proposed Solidification

Air Permit to Install Exemption Demonstration

Reworld Solutions, LLC, Warren, Michigan

	CAS	VOC	Density	Boiling Point	Vapor Pressure @ 60F	Molecular Weight (MV)	Diffusivity in air (Da)	Antoine Coefficients			Concentration	IWAIR Equations					
								A	B	C		Temerpature Corrected (Tcorr)	vapor/liquid equilibrium coefficient (Keq)	Effecttive Diffusivity (Deff)	volatilization rate of the compound (Kv )	Fraction of the VOCs emitted (femitted)	Mass Flux Rate (E) (per pit)
								compound	compound	compound		2-16	2-15	2-18	2-19	2-21	2-37
								compound	compound	compound		g/cm3 / g/cm3	cm^2/s	1/s	per time period	g/m^2-s	
Compounds			g/cm3	C	mmHg	lb/lbmol	cm2/s				ppm						
1,2-Dibromo-3-chloropropane	96128	VOC	1.41	196.00	8.00E-01	236.36	2.68E-02	8.07	2,440.00	273.00	10.00	0.725	1.3E-06	1.0E-03	5.9E-14	8.1E-05	3.99E-08
Di-n-propylnitrosamine	621647	VOC	1.15	206.00	8.06E-02	130.19	6.24E-02	1.00	1.00	1.00	10.00	0.979	1.0E-07	2.4E-03	1.0E-14	3.4E-05	1.67E-08
Heptachlor	76448	VOC	1.57	310.00	4.00E-04	373.35	2.23E-02	1.00	1.00	1.00	10.00	0.979	1.4E-09	8.6E-04	5.3E-17	2.4E-06	1.19E-09
tris-(2,3-Dibromopropyl) phosphate	126727	VOC	1.41	-	1.90E-04	697.67	1.52E-02	1.00	1.00	1.00	10.00	0.979	1.3E-09	5.8E-04	3.2E-17	1.9E-06	9.24E-10
isoprene	78795	VOC	0.67	34.00	5.49E+02	68.12	1.80E-01	1.00	1.00	1.00	10.00	0.979	3.6E-04	6.9E-03	1.1E-10	3.4E-03	1.69E-06
Acrylonitrile	107131	VOC	0.81	77.00	1.09E+02	53.06	1.22E-01	7.11	1,340.00	238.00	10.00	0.797	4.5E-05	4.7E-03	9.1E-12	1.0E-03	4.93E-07
Methyl Hydrazine	60344	VOC	0.87	87.00	3.71E+01	46.07	7.10E-02	6.54	993.54	180.06	10.00	0.757	1.3E-05	2.7E-03	1.5E-12	4.0E-04	1.99E-07
1,1,2,2-Tetrachloroethane	79345	VOC	1.59	145.00	4.62E+00	168.00	7.10E-02	6.89	1,350.00	192.00	10.00	0.713	5.4E-06	2.7E-03	6.3E-13	2.6E-04	1.30E-07
Toluene-2,6-diisocyanate	584849	VOC	1.22	251.00	1.00E+00	174.16	3.29E-02	1.00	1.00	1.00	10.00	0.979	1.7E-06	1.3E-03	9.0E-14	1.0E-04	4.92E-08
Benzyl Chloride	100447	VOC	1.10	179.00	1.00E+00	126.58	7.16E-02	7.20	1,731.66	221.99	10.00	0.716	8.9E-07	2.7E-03	1.0E-13	1.1E-04	5.30E-08
Nitrobenzene	98953	VOC	1.20	211.00	1.00E+00	123.11	7.60E-02	7.12	1,750.00	202.00	10.00	0.670	8.1E-07	2.9E-03	1.0E-13	1.1E-04	5.21E-08
Vinylidene chloride	75354	VOC	1.21	32.00	6.30E+02	96.97	9.00E-02	6.97	1,100.00	237.00	10.00	0.829	4.9E-04	3.5E-03	7.4E-11	2.8E-03	1.40E-06
Acetaldehyde	75070	VOC	0.79	21.00	9.02E+02	44.06	1.24E-01	8.01	1,600.00	292.00	10.00	0.830	3.2E-04	4.8E-03	6.6E-11	2.7E-03	1.33E-06
3-Chloropropylene	107051	VOC	0.94	45.00	3.68E+02	76.53	1.17E-01	7.58	1,490.00	273.00	10.00	0.822	2.3E-04	4.5E-03	4.4E-11	2.2E-03	1.08E-06
Propylene Oxide	75569	VOC	0.83	34.00	4.45E+02	58.08	1.04E-01	7.07	1,130.00	236.00	10.00	0.823	2.1E-04	4.0E-03	3.6E-11	2.0E-03	9.78E-07
n-Propyl Bromide	106945	VOC	1.35	38.00	1.46E+02	122.99	7.68E-02	1.00	1.00	1.00	10.00	0.979	1.7E-04	3.0E-03	2.2E-11	1.6E-03	7.65E-07
1,2 Butylene Oxide	106887	VOC	0.83	63.00	1.70E+02	72.10	1.07E-01	1.00	1.00	1.00	10.00	0.979	1.2E-04	4.1E-03	2.1E-11	1.5E-03	7.44E-07
Acrolein	107028	VOC	0.84	53.00	2.44E+02	56.10	1.05E-01	7.21	1,300.00	247.00	10.00	0.814	1.1E-04	4.0E-03	1.9E-11	1.4E-03	7.11E-07
Chloroform	67663	VOC	1.49	(16.00)	1.00E+02	119.39	1.04E-01	6.49	929.00	196.00	10.00	0.799	9.3E-05	4.0E-03	1.6E-11	1.3E-03	6.55E-07
1,2-Dichloroethane	107062	VOC	1.26	84.00	6.00E+01	98.96	1.04E-01	1.00	1.00	1.00	10.00	0.979	5.7E-05	4.0E-03	9.8E-12	1.0E-03	5.11E-07
Carbon Tetrachloride	56235	VOC	1.59	77.00	9.10E+01	153.82	7.80E-02	6.93	1,240.00	230.00	10.00	0.799	1.1E-04	3.0E-03	1.4E-11	1.2E-03	6.14E-07
Trichloroethylene	79016	VOC	1.40	87.00	7.70E+01	131.40	7.90E-02	6.52	1,020.00	193.00	10.00	0.777	7.7E-05	3.0E-03	1.0E-11	1.0E-03	5.18E-07
Benzene	71432	VOC	0.87	80.00	9.50E+01	78.11	8.95E-02	6.91	1,210.00	221.00	10.00	0.791	5.7E-05	3.4E-03	8.5E-12	9.7E-04	4.77E-07
Formaldehyde	50000	VOC	0.97	(20.00)	9.36E+01	30.00	1.78E-01	7.20	971.00	244.00	10.00	0.854	2.3E-05	6.8E-03	6.9E-12	8.7E-04	4.30E-07
Dioxane	123911	VOC	1.03	74.00	2.90E+01	88.00	2.29E-01	7.35	1,520.00	238.00	10.00	0.773	1.9E-05	8.8E-03	7.3E-12	9.0E-04	4.42E-07
Bromodichloromethane	75274	VOC	1.97	90.00	5.92E+01	163.80	5.61E-02	7.97	1,850.00	273.00	10.00	0.784	7.4E-05	2.2E-03	6.9E-12	8.7E-04	4.29E-07
1,2-Dichloropropane	78875	VOC	1.16	96.00	4.00E+01	112.99	7.82E-02	6.98	1,380.00	223.00	10.00	0.768	3.4E-05	3.0E-03	4.4E-12	6.9E-04	3.43E-07
1,3-Dichloropropylene	542756	VOC	1.22	112.00	3.44E+01	110.97	8.57E-02	7.46	1,528.42	226.18	10.00	0.752	2.8E-05	3.3E-03	4.0E-12	6.6E-04	3.26E-07
Dipropylamine	142847	VOC	0.74	109.00	2.01E+01	101.19	6.67E-02	1.00	1.00	1.00	10.00	0.979	1.9E-05	2.6E-03	2.1E-12	4.9E-04	2.40E-07
1,1,2-Trichloroethane	79005	VOC	1.30	114.00	2.30E+01	133.40	7.80E-02	7.19	1,480.00	229.00	10.00	0.764	2.3E-05	3.0E-03	3.0E-12	5.7E-04	2.81E-07
Cumene	98828	VOC	0.86	153.00	2.59E+01	120.19	6.50E-02	6.96	1,460.00	208.00	10.00	0.729	2.2E-05	2.5E-03	2.4E-12	5.1E-04	2.52E-07
Dicyclopentadiene	77736	VOC	0.93	170.00	1.00E+01	132.22	5.57E-02	1.00	1.00	1.00	10.00	0.979	1.3E-05	2.1E-03	1.2E-12	3.6E-04	1.77E-07
1,1,1,2-Tetrachloroethane	630206	VOC	1.55	146.00	1.20E+01	167.85	7.10E-02	6.89	1,350.00	192.00	10.00	0.713	1.4E-05	2.7E-03	1.6E-12	4.3E-04	2.10E-07
Chlorodibromomethane	124481	VOC	2.45	120.00	1.50E+01	208.29	3.66E-02	8.22	2,100.00	273.00	10.00	0.758	2.3E-05	1.4E-03	1.4E-12	3.9E-04	1.94E-07
Epichlorohydrin	106898	VOC	1.18	118.00	1.30E+01	92.52	9.06E-02	7.08	1,408.87	217.15	10.00	0.754	8.9E-06	3.5E-03	1.3E-12	3.8E-04	1.89E-07
Ethylbenzene	100414	VOC	0.87	136.00	9.53E+00	106.17	7.50E-02	6.98	1,420.00	213.00	10.00	0.745	7.4E-06	2.9E-03	9.1E-13	3.2E-04	1.56E-07
Glutaraldehyde	111308	VOC	1.00	-	2.86E+00	100.10	7.72E-02	1.00	1.00	1.00	10.00	0.979	2.7E-06	3.0E-03	3.5E-13	2.0E-04	9.67E-08
Acrylic acid	79107	VOC	0.97	142.00	3.97E+00	72.07	9.80E-02	5.65	649.00	155.00	10.00	0.789	2.2E-06	3.8E-03	3.6E-13	2.0E-04	9.78E-08
1,2,3-Trichloropropane	96184	VOC	1.41	156.00	3.00E+00	147.40	7.10E-02	7.15	1,612.20	220.58	10.00	0.730	3.2E-06	2.7E-03	3.7E-13	2.0E-04	9.96E-08
Bromoform	75252	VOC	2.89	150.00	5.40E+00	252.77	1.49E-02	7.99	2,160.00	273.00	10.00	0.752	1.0E-05	5.7E-04	2.5E-13	1.6E-04	8.13E-08
Dimethyl Aniline	121697	VOC	0.96	193.00	5.20E-01	121.18	1.53E-01	7.73	2,110.01	424.88	10.00	0.886	5.4E-07	5.9E-03	1.4E-13	1.2E-04	6.08E-08
Hydroquinone	123319	VOC	1.00	286.00	4.00E+00	110.11	6.85E-02	8.26	2,534.08	184.92	10.00	0.508	2.2E-06	2.6E-03	2.5E-13	1.6E-04	8.14E-08
Maleic anhydride	108316	VOC	1.31	200.00	2.50E-01	98.10	9.50E-02	1.00	1.00	1.00	10.00	0.979	2.3E-07	3.6E-03	3.7E-14	6.4E-05	3.14E-08
1,4-Dichlorobenzene	106467	VOC	1.29	173.00	6.00E-01	147.00	6.90E-02	7.20	1,690.00	218.00	10.00	0.714	6.2E-07	2.6E-03	7.0E-14	8.8E-05	4.34E-08
Diethyl sulfate	64675	VOC	1.17	208.00	2.06E-01	154.19	6.56E-02	1.00	1.00	1.00	10.00	0.979	3.0E-07	2.5E-03	3.3E-14	6.0E-05	2.97E-08
Aniline	62533	VOC	1.02	184.00	4.90E-01	93.10	7.00E-02	6.95	1,470.00	177.00	10.00	0.654	2.9E-07	2.7E-03	3.4E-14	6.1E-05	3.01E-08
Hexachloro-1,3-butadiene	87683	VOC	1.67	215.00	1.50E-01	260.80	5.61E-02	7.49	1,960.00	215.00	10.00	0.670	2.6E-07	2.2E-03	2.4E-14	5.1E-05	2.52E-08
o-Toluidine	95534	VOC	0.99	200.00	3.00E-01	107.16	7.14E-02	7.20	1,680.00	191.00	10.00	0.654	2.1E-07	2.7E-03	2.4E-14	5.2E-05	2.55E-08
N-Nitrosomethylethylamine	10595956	VOC	1.00	-	1.09E+02	102.13	7.58E-02	1.00	1.00	1.00	10.00	0.979	1.1E-04	2.9E-03	1.3E-11	1.2E-03	5.97E-07
Nitropropane	25322014	VOC	0.99	-	1.02E+02	89.09	9.23E-02	1.00	1.00	1.00	10.00	0.979	8.6E-05	3.5E-03	1.3E-11	1.2E-03	5.95E-07
Methacrylonitrile	126987	VOC	1.15	156.00	6.50E+01	67.10	1.12E-01	1.00	1.00	1.00	10.00	0.979	4.2E-05	4.3E-03	7.7E-12	9.2E-04	4.55E-07
Propyl ether	111433	VOC	0.97	89.00	6.25E+01	102.18	7.47E-02	1.00	1.00	1.00	10.00	0.979	6.1E-05	2.9E-03	7.5E-12	9.1E-04	4.50E-07

Table 7 - Rule 291 Demonstration - Proposed Solidification

Air Permit to Install Exemption Demonstration

Reworld Solutions, LLC, Warren, Michigan

										291(2)(a)	291(2)(b)	291(2)(c)			
										Rule 291 Group	<=0.04- <2	<=.005- <.04	<.005	Other TACs w/SL	Other TACs no SL
	CAS	VOC	Emissions per Pit	Emissions per ton	Annual Emissions	ITSL	2nd ITSL	IRSL	AQD Footnote	LIMIT (tpy)	0.120	0.060	6.00E-03	5.00E+00	6.00E+00
										TOTAL	0.006	0.007	0.005	0.026	0.006
Compounds			lb/Pit	lb/ton Waste	tpy	ug/cm	ug/cm	ug/cm		Under 291 LIMITS	YES	YES	YES	YES	YES
1,2-Dibromo-3-chloropropane	96128	VOC	2.54E-04	1.62E-06	1.77E-04	0.20	-	0.00	-				X		
Di-n-propylnitrosamine	621647	VOC	1.06E-04	6.75E-07	7.39E-05	-	-	0.00	-				X		
Heptachlor	76448	VOC	7.57E-06	4.81E-08	5.27E-06	-	-	0.00	-				X		
tris-(2,3-Dibromopropyl) phosphate	126727	VOC	5.89E-06	3.74E-08	4.10E-06	-	-	0.00	-				X		
isoprene	78795	VOC	1.08E-02	6.84E-05	7.49E-03	-	-	0.02	-			X			
Acrylonitrile	107131	VOC	3.14E-03	2.00E-05	2.19E-03	2.00	-	0.01	-			X			
Methyl Hydrazine	60344	VOC	1.27E-03	8.07E-06	8.84E-04	0.03	-	0.01	-			X			
1,1,2,2-Tetrachloroethane	79345	VOC	8.31E-04	5.28E-06	5.79E-04	-	-	0.02	-			X			
Toluene-2,6-diisocyanate	584849	VOC	3.14E-04	2.00E-06	2.18E-04	0.07	0.40	0.03	13			X			
Benzyl Chloride	100447	VOC	3.38E-04	2.15E-06	2.35E-04	-	-	0.02	-			X			
Nitrobenzene	98953	VOC	3.32E-04	2.11E-06	2.31E-04	9.00	-	0.03	-			X			
Vinylidene chloride	75354	VOC	8.94E-03	5.69E-05	6.23E-03	7.30	-	0.15	-		X				
Acetaldehyde	75070	VOC	8.47E-03	5.39E-05	5.90E-03	9.00	-	0.50	-		X				
3-Chloropropylene	107051	VOC	6.88E-03	4.38E-05	4.79E-03	1.00	31.00	-	-		X				
Propylene Oxide	75569	VOC	6.23E-03	3.96E-05	4.34E-03	30.00	-	0.30	-		X				
n-Propyl Bromide	106945	VOC	4.87E-03	3.10E-05	3.39E-03	32.00	-	1.10	-		X				
1,2 Butylene Oxide	106887	VOC	4.74E-03	3.02E-05	3.30E-03	20.00	-	1.20	-		X				
Acrolein	107028	VOC	4.53E-03	2.88E-05	3.16E-03	0.40	5.00	-	13		X				
Chloroform	67663	VOC	4.17E-03	2.65E-05	2.91E-03	-	-	0.40	-		X				
1,2-Dichloroethane	107062	VOC	3.26E-03	2.07E-05	2.27E-03	-	-	0.04	-		X				
Carbon Tetrachloride	56235	VOC	3.91E-03	2.49E-05	2.73E-03	480.00	-	0.17	-		X				
Trichloroethylene	79016	VOC	3.30E-03	2.10E-05	2.30E-03	2.00	-	0.20	-		X				
Benzene	71432	VOC	3.04E-03	1.93E-05	2.11E-03	30.00	30.00	0.10	-		X				
Formaldehyde	50000	VOC	2.74E-03	1.74E-05	1.91E-03	30.00	-	0.08	-		X				
Dioxane	123911	VOC	2.82E-03	1.79E-05	1.96E-03	100.00	7,200.00	0.20	-		X				
Bromodichloromethane	75274	VOC	2.74E-03	1.74E-05	1.91E-03	-	-	0.06	-		X				
1,2-Dichloropropane	78875	VOC	2.18E-03	1.39E-05	1.52E-03	4.00	-	0.20	-		X				
1,3-Dichloropropylene	542756	VOC	2.08E-03	1.32E-05	1.45E-03	20.00	-	0.20	-		X				
Dipropylamine	142847	VOC	1.53E-03	9.71E-06	1.06E-03	1.50	-	-	-		X				
1,1,2-Trichloroethane	79005	VOC	1.79E-03	1.14E-05	1.25E-03	11.00	160.00	0.06	-		X				
Cumene	98828	VOC	1.61E-03	1.02E-05	1.12E-03	400.00	-	0.10	-		X				
Dicyclopentadiene	77736	VOC	1.13E-03	7.16E-06	7.84E-04	1.00	-	-	-		X				
1,1,1,2-Tetrachloroethane	630206	VOC	1.34E-03	8.51E-06	9.32E-04	-	-	0.10	-		X				
Chlorodibromomethane	124481	VOC	1.23E-03	7.85E-06	8.59E-04	70.00	-	0.04	-		X				
Epichlorohydrin	106898	VOC	1.20E-03	7.64E-06	8.36E-04	1.00	-	0.80	-		X				
Ethylbenzene	100414	VOC	9.96E-04	6.34E-06	6.94E-04	1,000.00	-	0.40	-		X				
Glutaraldehyde	111308	VOC	6.16E-04	3.92E-06	4.29E-04	0.08	2.00	-	13		X				
Acrylic acid	79107	VOC	6.23E-04	3.96E-06	4.34E-04	1.00	-	-	-		X				
1,2,3-Trichloropropane	96184	VOC	6.34E-04	4.04E-06	4.42E-04	0.30	-	-	-		X				
Bromoform	75252	VOC	5.18E-04	3.30E-06	3.61E-04	-	-	0.90	-		X				
Dimethyl Aniline	121697	VOC	3.87E-04	2.46E-06	2.70E-04	-	-	0.09	-		X				
Hydroquinone	123319	VOC	5.18E-04	3.30E-06	3.61E-04	140.00	-	0.06	-		X				
Maleic anhydride	108316	VOC	2.00E-04	1.27E-06	1.39E-04	0.10	-	-	-		X				
1,4-Dichlorobenzene	106467	VOC	2.76E-04	1.76E-06	1.92E-04	800.00	-	0.25	-		X				
Diethyl sulfate	64675	VOC	1.89E-04	1.20E-06	1.32E-04	1.00	-	-	-		X				
Aniline	62533	VOC	1.91E-04	1.22E-06	1.33E-04	1.00	76.00	0.60	-		X				
Hexachloro-1,3-butadiene	87683	VOC	1.61E-04	1.02E-06	1.12E-04	-	-	0.05	-		X				
o-Toluidine	95534	VOC	1.62E-04	1.03E-06	1.13E-04	-	-	0.07	-		X				
N-Nitrosomethylethylamine	10595956	VOC	3.80E-03	2.42E-05	2.65E-03	NA	NA	NA	NA						X
Nitropropane	25322014	VOC	3.79E-03	2.41E-05	2.64E-03	NA	NA	NA	NA						X
Methacrylonitrile	126987	VOC	2.90E-03	1.85E-05	2.02E-03	NA	NA	NA	NA						X
Propyl ether	111433	VOC	2.86E-03	1.82E-05	1.99E-03	NA	NA	NA	NA						X

Table 7 - Rule 291 Demonstration - Proposed Solidification

Air Permit to Install Exemption Demonstration

Reworld Solutions, LLC, Warren, Michigan

	CAS	VOC	Density compound g/cm3	Boiling Point compound C	Vapor Pressure @ 60F compound mmHg	Molecular Weight (MV) compound lb/lbmol	Diffusivity in air (Da) compound cm2/s	Antoine Coefficients			Concentration  ppm	IWAIR Equations					
								A	B	C		Temerpature Corrected (Tcorr)	vapor/liquid equilibrium coefficient (Keq)	Effecticve Diffusivity (Deff)	volatilization rate of the compound (Kv )	Fraction of the VOCs emitted (femitted)	Mass Flux Rate (E) (per pit)
								compound	compound	compound		2-16	2-15	2-18	2-19	2-21	2-37
													g/cm3 / g/cm3	cm^2/s	1/s	per time period	g/m^2-s
Dibromomethane	74953	VOC	1.41	97.00	4.44E+01	173.85	4.30E-02	1.00	1.00	1.00	10.00	0.979	7.4E-05	1.7E-03	5.2E-12	7.6E-04	3.75E-07
Isobutyronitrile	78820	VOC	1.00	-	1.00E+02	69.10	1.04E-01	7.22	1,390.70	217.00	10.00	0.756	5.1E-05	4.0E-03	8.8E-12	9.8E-04	4.85E-07
2-Chloroethyl vinyl ether	110758	VOC	1.41	107.00	2.47E+01	106.55	8.44E-02	1.00	1.00	1.00	10.00	0.979	2.5E-05	3.2E-03	3.5E-12	6.2E-04	3.07E-07
Butyl Mercaptan	109795	VOC	1.26	98.00	4.55E+01	90.20	9.32E-02	6.93	1,281.02	218.16	10.00	0.775	3.1E-05	3.6E-03	4.8E-12	7.3E-04	3.58E-07
cis-1,3-Dichloropropylene	10061015	VOC	1.20	112.00	4.30E+01	111.00	6.26E-02	6.81	1,330.00	230.00	10.00	0.786	3.7E-05	2.4E-03	3.8E-12	6.5E-04	3.19E-07
trans-1,3-Dichloropropylene	10061026	VOC	1.20	112.00	4.30E+01	111.00	6.26E-02	6.81	1,330.00	230.00	10.00	0.786	3.7E-05	2.4E-03	3.8E-12	6.5E-04	3.19E-07
Ethyl methacrylate	97632	VOC	0.91	117.00	2.06E+01	114.14	6.53E-02	1.00	1.00	1.00	10.00	0.979	2.2E-05	2.5E-03	2.4E-12	5.2E-04	2.55E-07
Titanium tetrachloride	7550450	VOC	1.00	-	1.00E+01	189.73	7.72E-02	1.00	1.00	1.00	10.00	0.979	1.8E-05	3.0E-03	2.3E-12	5.0E-04	2.49E-07
Propionitrile	107120	VOC	1.15	97.00	4.00E+01	55.08	1.10E-01	6.93	1,277.20	218.01	10.00	0.776	1.7E-05	4.2E-03	3.0E-12	5.8E-04	2.85E-07
ISODRIN (M)	465736	VOC	1.00	-	1.20E+01	100.00	7.72E-02	1.00	1.00	1.00	10.00	0.979	1.1E-05	3.0E-03	1.5E-12	4.0E-04	1.98E-07
LEPTOPHOS (phosvel) (M)	21609905	VOC	1.00	-	1.20E+01	100.00	7.72E-02	1.00	1.00	1.00	10.00	0.979	1.1E-05	3.0E-03	1.5E-12	4.0E-04	1.98E-07
Physostigmine salicylate	57647	VOC	1.00	-	1.20E+01	430.50	1.66E-02	1.00	1.00	1.00	10.00	0.979	4.9E-05	6.4E-04	1.4E-12	3.9E-04	1.91E-07
Carbosulfan	55285148	VOC	1.00	-	1.20E+01	397.54	1.73E-02	1.00	1.00	1.00	10.00	0.979	4.6E-05	6.6E-04	1.3E-12	3.8E-04	1.87E-07
PERACETIC ACID	79210	VOC	1.23	110.00	1.18E+01	76.05	8.71E-02	1.00	1.00	1.00	10.00	0.979	8.6E-06	3.3E-03	1.2E-12	3.7E-04	1.82E-07
Butyronitrile	109740	VOC	0.79	118.00	2.07E+01	69.10	9.34E-02	7.04	1,390.70	217.00	10.00	0.756	1.1E-05	3.6E-03	1.6E-12	4.2E-04	2.09E-07
Glycol Ethers	N230	VOC	0.97	-	6.00E+00	76.09	8.87E-02	1.00	1.00	1.00	10.00	0.979	4.4E-06	3.4E-03	6.4E-13	2.7E-04	1.31E-07
Octane	111659	VOC	0.70	126.00	1.00E+01	114.23	7.63E-02	6.91	1,349.82	209.39	10.00	0.749	8.4E-06	2.9E-03	1.1E-12	3.4E-04	1.68E-07
Dipentene	138863	VOC	0.83	-	1.54E+00	136.23	1.80E-01	1.00	1.00	1.00	10.00	0.979	2.0E-06	6.9E-03	6.0E-13	2.6E-04	1.27E-07
Ethylidene-2-norbornene, 5-	16219753	VOC	1.00	-	4.60E+00	120.20	6.38E-02	1.00	1.00	1.00	10.00	0.979	5.3E-06	2.5E-03	5.6E-13	2.5E-04	1.22E-07
Pentachloroethane	76017	VOC	1.67	162.00	4.40E+00	202.30	6.60E-02	6.74	1,378.00	197.00	10.00	0.719	6.3E-06	2.5E-03	6.8E-13	2.7E-04	1.35E-07
Dichlorobenzene	25321226	VOC	1.25	-	1.74E+00	147.00	8.00E-02	1.00	1.00	1.00	10.00	0.979	2.4E-06	3.1E-03	3.2E-13	1.9E-04	9.31E-08
TRIETHYLPHOSPHOROTHIOATE,o,o,o,- (M)	126681	VOC	0.97	-	1.60E+01	198.22	2.54E-02	14.00	4,570.00	273.15	10.00	0.548	1.7E-05	9.8E-04	7.1E-13	2.8E-04	1.38E-07
bis(2-Chloroisopropyl)ether	39638329	VOC	1.41	187.00	1.11E+00	171.07	4.45E-02	1.00	1.00	1.00	10.00	0.979	1.8E-06	1.7E-03	1.3E-13	1.2E-04	5.97E-08
Phenyl Mercaptan	108985	VOC	1.07	169.00	1.00E+00	110.17	7.27E-02	1.00	1.00	1.00	10.00	0.979	1.1E-06	2.8E-03	1.3E-13	1.2E-04	5.82E-08
Valeric Acid	109524	VOC	0.94	186.00	1.00E+00	102.13	7.37E-02	1.00	1.00	1.00	10.00	0.979	9.8E-07	2.8E-03	1.2E-13	1.1E-04	5.65E-08
Picric acid	88891	VOC	1.78	416.00	1.00E+00	229.12	3.03E-02	1.00	1.00	1.00	10.00	0.979	2.2E-06	1.2E-03	1.1E-13	1.1E-04	5.42E-08
N-Nitrosodiethylamine	55185	VOC	1.00	177.00	8.90E-01	101.15	7.65E-02	1.00	1.00	1.00	10.00	0.979	8.6E-07	2.9E-03	1.1E-13	1.1E-04	5.40E-08
Acetone Cyanohydrin	75865	VOC	0.93	196.00	8.00E-01	85.10	8.59E-02	1.00	1.00	1.00	10.00	0.979	6.5E-07	3.3E-03	9.2E-14	1.0E-04	4.98E-08
Glycolonitrile	107164	VOC	1.00	-	7.50E-01	57.10	1.19E-01	1.00	1.00	1.00	10.00	0.979	4.1E-07	4.6E-03	8.0E-14	9.4E-05	4.64E-08
Benzal chloride	98873	VOC	1.26	207.00	4.70E-01	161.03	4.76E-02	1.00	1.00	1.00	10.00	0.979	7.2E-07	1.8E-03	5.7E-14	7.9E-05	3.91E-08
1,4-DICHLORO-2-BUTENE(TRANS)	110576	VOC	1.18	156.00	9.70E-01	125.00	6.63E-02	7.14	1,580.32	214.75	10.00	0.724	8.6E-07	2.5E-03	9.4E-14	1.0E-04	5.02E-08
Vernolate	1929777	VOC	1.00	-	5.20E-01	205.30	2.46E-02	1.00	1.00	1.00	10.00	0.979	1.0E-06	9.4E-04	4.1E-14	6.8E-05	3.33E-08
Methyl methanesulfonate	66273	VOC	1.30	203.00	3.10E-01	110.13	6.16E-02	1.00	1.00	1.00	10.00	0.979	3.3E-07	2.4E-03	3.3E-14	6.0E-05	2.99E-08
bis(2-Chloroethoxy)methane	111911	VOC	1.41	218.00	2.50E-01	173.10	4.36E-02	1.00	1.00	1.00	10.00	0.979	4.1E-07	1.7E-03	3.0E-14	5.7E-05	2.83E-08
Dinitrobutyl phenol	89396941	VOC	1.27	-	1.00E+00	240.16	6.71E-03	1.00	1.00	1.00	10.00	0.979	2.3E-06	2.6E-04	2.5E-14	5.3E-05	2.61E-08
Nitrotoluene	1321126	VOC	1.00	-	1.31E-01	137.15	5.48E-02	1.00	1.00	1.00	10.00	0.979	1.7E-07	2.1E-03	1.6E-14	4.1E-05	2.05E-08
Propylene Glycol	57556	VOC	1.04	188.00	1.29E-01	76.11	9.30E-02	1.00	1.00	1.00	10.00	0.979	9.4E-08	3.6E-03	1.4E-14	4.0E-05	1.97E-08
NAPHTHOQUINONE-1,4	130154	VOC	1.42	270.00	1.11E-01	158.00	5.19E-02	1.00	1.00	1.00	10.00	0.979	1.7E-07	2.0E-03	1.4E-14	4.0E-05	1.96E-08
N-Nitrosopiperidine	100754	VOC	1.06	217.00	9.20E-02	114.14	6.98E-02	1.00	1.00	1.00	10.00	0.979	1.0E-07	2.7E-03	1.2E-14	3.6E-05	1.76E-08
1 CHLORONAPHTHALENE	90131	VOC	1.41	260.00	3.61E-01	162.62	4.92E-02	7.14	1,931.55	193.79	10.00	0.622	3.6E-07	1.9E-03	2.9E-14	5.6E-05	2.79E-08
N-Nitrosomorpholine	59892	VOC	1.15	225.00	9.91E-02	116.14	5.90E-02	1.00	1.00	1.00	10.00	0.979	1.1E-07	2.3E-03	1.1E-14	3.4E-05	1.70E-08
Isosafrole	120581	VOC	1.12	253.00	8.40E-02	162.19	4.45E-02	1.00	1.00	1.00	10.00	0.979	1.3E-07	1.7E-03	9.6E-15	3.2E-05	1.60E-08
5-Nitro-o-toluidine	99558	VOC	1.15	327.00	7.60E-02	152.17	5.03E-02	1.00	1.00	1.00	10.00	0.979	1.1E-07	1.9E-03	9.2E-15	3.2E-05	1.57E-08
DIPHENYLNITROSAMINE	86306	VOC	1.23	268.00	1.00E-01	198.22	2.83E-02	1.00	1.00	1.00	10.00	0.979	1.9E-07	1.1E-03	8.9E-15	3.1E-05	1.54E-08
o-Anisidine	90040	VOC	1.10	225.00	5.52E-02	123.15	6.52E-02	1.00	1.00	1.00	10.00	0.979	6.5E-08	2.5E-03	7.0E-15	2.8E-05	1.37E-08
Ethylene Glycol Dinitrate	628966	VOC	1.00	199.00	5.00E-02	152.06	4.72E-02	1.00	1.00	1.00	10.00	0.979	7.3E-08	1.8E-03	5.7E-15	2.5E-05	1.23E-08
N-Nitroso-di-n-butylamine	924163	VOC	1.00	222.00	4.69E-02	158.24	4.42E-02	1.00	1.00	1.00	10.00	0.979	7.1E-08	1.7E-03	5.2E-15	2.4E-05	1.18E-08
Pebulate	1114712	VOC	1.00	290.00	8.85E-02	203.35	2.47E-02	7.30	2,490.57	273.16	10.00	0.720	1.3E-07	9.5E-04	5.2E-15	2.4E-05	1.18E-08
Safrole	94597	VOC	1.00	235.00	6.18E-02	162.19	4.23E-02	8.28	2,627.83	253.82	10.00	0.673	6.6E-08	1.6E-03	4.6E-15	2.3E-05	1.11E-08
Acetamide	60355	VOC	1.16	222.00	9.75E-03	59.07	1.25E-01	1.00	1.00	1.00	10.00	0.979	5.5E-09	4.8E-03	1.1E-15	1.1E-05	5.53E-09
DINITROBENZENE M	99650	VOC	1.37	297.00	5.00E-02	168.12	4.55E-02	7.71	2,265.85	172.55	10.00	0.504	4.1E-08	1.7E-03	3.1E-15	1.8E-05	9.13E-09
2 CHLORONAPHTHALENE	91587	VOC	1.41	256.00	1.70E-02	162.62	4.92E-02	7.01	1,819.53	184.90	10.00	0.614	1.7E-08	1.9E-03	1.3E-15	1.2E-05	6.01E-09

Table 7 - Rule 291 Demonstration - Proposed Solidification

Air Permit to Install Exemption Demonstration

Reworld Solutions, LLC, Warren, Michigan

										291(2)(a)	291(2)(b)	291(2)(c)			
										Rule 291 Group	<=0.04- <2	<=.005- <.04	<.005	Other TACs w/SL	Other TACs no SL
	CAS	VOC	Emissions per Pit	Emissions per ton	Annual Emissions	ITSL	2nd ITSL	IRSL	AQD Footnote	LIMIT (tpy)	0.120	0.060	6.00E-03	5.00E+00	6.00E+00
										TOTAL	0.006	0.007	0.005	0.026	0.006
Compounds			lb/Pit	lb/ton Waste	tpy	ug/cm	ug/cm	ug/cm		Under 291 LIMITS	YES	YES	YES	YES	YES
Dibromomethane	74953	VOC	2.39E-03	1.52E-05	1.66E-03	NA	NA	NA	NA						X
Isobutyronitrile	78820	VOC	3.09E-03	1.96E-05	2.15E-03	NA	NA	NA	NA						X
2-Chloroethyl vinyl ether	110758	VOC	1.95E-03	1.24E-05	1.36E-03	NA	NA	NA	NA						X
Butyl Mercaptan	109795	VOC	2.28E-03	1.45E-05	1.59E-03	NA	NA	NA	NA						X
cis-1,3-Dichloropropylene	10061015	VOC	2.03E-03	1.29E-05	1.41E-03	NA	NA	NA	NA						X
trans-1,3-Dichloropropylene	10061026	VOC	2.03E-03	1.29E-05	1.41E-03	NA	NA	NA	NA						X
Ethyl methacrylate	97632	VOC	1.62E-03	1.03E-05	1.13E-03	NA	NA	NA	NA						X
Titanium tetrachloride	7550450	VOC	1.59E-03	1.01E-05	1.11E-03	NA	NA	NA	NA						X
Propionitrile	107120	VOC	1.81E-03	1.15E-05	1.26E-03	NA	NA	NA	NA						X
ISODRIN (M)	465736	VOC	1.26E-03	8.03E-06	8.79E-04	NA	NA	NA	NA						X
LEPTOPHOS (phosvel) (M)	21609905	VOC	1.26E-03	8.03E-06	8.79E-04	NA	NA	NA	NA						X
Physostigmine salicylate	57647	VOC	1.21E-03	7.72E-06	8.46E-04	NA	NA	NA	NA						X
Carbosulfan	55285148	VOC	1.19E-03	7.58E-06	8.30E-04	NA	NA	NA	NA						X
PERACETIC ACID	79210	VOC	1.16E-03	7.37E-06	8.07E-04	NA	NA	NA	NA						X
Butyronitrile	109740	VOC	1.33E-03	8.47E-06	9.27E-04	NA	NA	NA	NA						X
Glycol Ethers	N230	VOC	8.34E-04	5.31E-06	5.81E-04	NA	NA	NA	NA						X
Octane	111659	VOC	1.07E-03	6.81E-06	7.46E-04	NA	NA	NA	NA						X
Dipentene	138863	VOC	8.06E-04	5.13E-06	5.61E-04	NA	NA	NA	NA						X
Ethylidene-2-norbornene, 5-	16219753	VOC	7.79E-04	4.95E-06	5.42E-04	NA	NA	NA	NA						X
Pentachloroethane	76017	VOC	8.61E-04	5.48E-06	6.00E-04	NA	NA	NA	NA						X
Dichlorobenzene	25321226	VOC	5.93E-04	3.77E-06	4.13E-04	NA	NA	NA	NA						X
TRIETHYLPHOSPHOROTHIOATE,o,o,o,- (M)	126681	VOC	8.80E-04	5.60E-06	6.13E-04	NA	NA	NA	NA						X
bis(2-Chloroisopropyl)ether	39638329	VOC	3.81E-04	2.42E-06	2.65E-04	NA	NA	NA	NA						X
Phenyl Mercaptan	108985	VOC	3.71E-04	2.36E-06	2.58E-04	NA	NA	NA	NA						X
Valeric Acid	109524	VOC	3.60E-04	2.29E-06	2.51E-04	NA	NA	NA	NA						X
Picric acid	88891	VOC	3.45E-04	2.20E-06	2.41E-04	NA	NA	NA	NA						X
N-Nitrosodiethylamine	55185	VOC	3.44E-04	2.19E-06	2.40E-04	NA	NA	NA	NA						X
Acetone Cyanohydrin	75865	VOC	3.17E-04	2.02E-06	2.21E-04	NA	NA	NA	NA						X
Glycolonitrile	107164	VOC	2.96E-04	1.88E-06	2.06E-04	NA	NA	NA	NA						X
Benzal chloride	98873	VOC	2.49E-04	1.58E-06	1.73E-04	NA	NA	NA	NA						X
1,4-DICHLORO-2-BUTENE(TRANS)	110576	VOC	3.20E-04	2.03E-06	2.23E-04	NA	NA	NA	NA						X
Vernolate	1929777	VOC	2.12E-04	1.35E-06	1.48E-04	NA	NA	NA	NA						X
Methyl methanesulfonate	66273	VOC	1.90E-04	1.21E-06	1.32E-04	NA	NA	NA	NA						X
bis(2-Chloroethoxy)methane	111911	VOC	1.80E-04	1.15E-06	1.25E-04	NA	NA	NA	NA						X
Dinitrobutyl phenol	89396941	VOC	1.66E-04	1.06E-06	1.16E-04	NA	NA	NA	NA						X
Nitrotoluene	1321126	VOC	1.30E-04	8.29E-07	9.08E-05	NA	NA	NA	NA						X
Propylene Glycol	57556	VOC	1.25E-04	7.97E-07	8.73E-05	NA	NA	NA	NA						X
NAPHTHOQUINONE-1,4	130154	VOC	1.25E-04	7.96E-07	8.71E-05	NA	NA	NA	NA						X
N-Nitrosopiperidine	100754	VOC	1.12E-04	7.14E-07	7.82E-05	NA	NA	NA	NA						X
1 CHLORONAPHTHALENE	90131	VOC	1.78E-04	1.13E-06	1.24E-04	NA	NA	NA	NA						X
N-Nitrosomorpholine	59892	VOC	1.08E-04	6.87E-07	7.52E-05	NA	NA	NA	NA						X
Isosafrole	120581	VOC	1.02E-04	6.49E-07	7.11E-05	NA	NA	NA	NA						X
5-Nitro-o-toluidine	99558	VOC	1.00E-04	6.36E-07	6.97E-05	NA	NA	NA	NA						X
DIPHENYLNITROSAMINE	86306	VOC	9.82E-05	6.25E-07	6.84E-05	NA	NA	NA	NA						X
o-Anisidine	90040	VOC	8.73E-05	5.55E-07	6.08E-05	NA	NA	NA	NA						X
Ethylene Glycol Dinitrate	628966	VOC	7.85E-05	5.00E-07	5.47E-05	NA	NA	NA	NA						X
N-Nitroso-di-n-butylamine	924163	VOC	7.51E-05	4.78E-07	5.23E-05	NA	NA	NA	NA						X
Pebulate	1114712	VOC	7.50E-05	4.77E-07	5.22E-05	NA	NA	NA	NA						X
Safrole	94597	VOC	7.08E-05	4.50E-07	4.93E-05	NA	NA	NA	NA						X
Acetamide	60355	VOC	3.52E-05	2.24E-07	2.45E-05	NA	NA	NA	NA						X
DINITROBENZENE M	99650	VOC	5.82E-05	3.70E-07	4.05E-05	NA	NA	NA	NA						X
2 CHLORONAPHTHALENE	91587	VOC	3.83E-05	2.44E-07	2.67E-05	NA	NA	NA	NA						X

Table 7 - Rule 291 Demonstration - Proposed Solidification

Air Permit to Install Exemption Demonstration

Reworld Solutions, LLC, Warren, Michigan

								Antoine Coefficients			Concentration	IWAIR Equations					
	CAS	VOC	Density	Boiling Point	Vapor Pressure @ 60F	Molecular Weight (MV)	Diffusivity in air (Da)	A	B	C		Temerpature Corrected (Tcorr)	vapor/liquid equilibrium coefficient (Keq)	Effecttive Diffusivity (Deff)	volatilization rate of the compound (Kv )	Fraction of the VOCs emitted (femitted)	Mass Flux Rate (E) (per pit)
			compound	compound	compound	compound	compound	compound	compound	compound		2-16	2-15	2-18	2-19	2-21	2-37
Compounds			g/cm3	C	mmHg	lb/lbmol	cm2/s					ppm	g/cm3 / g/cm3	cm^2/s	1/s	per time period	g/m^2-s
Urethane	51796	VOC	1.10	185.00	2.62E-01	89.09	1.00E-03	1.00	1.00	1.00	10.00	0.979	2.2E-07	3.8E-05	3.7E-16	6.4E-06	3.14E-09
CHLOROPHENYL PHENYL ETHER,4-	7005723	VOC	1.41	284.00	2.70E-03	204.66	2.84E-02	1.00	1.00	1.00	10.00	0.979	5.3E-09	1.1E-03	2.5E-16	5.2E-06	2.58E-09
PENTACHLOROBENZENE	608935	VOC	1.61	277.00	4.60E-03	250.34	5.70E-02	7.13	1,826.04	154.01	10.00	0.509	5.7E-09	2.2E-03	5.4E-16	7.7E-06	3.80E-09
Diphenylamine (difficult to distinguish from diphe	122394	VOC	1.16	302.00	8.06E-04	169.20	5.80E-02	1.00	1.00	1.00	10.00	0.979	1.3E-09	2.2E-03	1.2E-16	3.7E-06	1.83E-09
3,5-DIBROMO-4-HYDROXYBENZONITRILE	1689845	VOC	1.00	244.00	1.05E-03	276.93	2.19E-02	1.00	1.00	1.00	10.00	0.979	2.8E-09	8.4E-04	1.0E-16	3.3E-06	1.64E-09
Adiponitrile	111693	VOC	0.97	295.00	6.80E-04	108.14	7.15E-02	1.00	1.00	1.00	10.00	0.979	7.0E-10	2.7E-03	8.3E-17	3.0E-06	1.49E-09
Catechol	120809	VOC	1.34	246.00	3.03E-02	110.12	1.00E-03	1.00	1.00	1.00	10.00	0.979	3.2E-08	3.8E-05	5.3E-17	2.4E-06	1.19E-09
1,2-Diphenylhydrazine	122667	VOC	1.16	309.00	4.36E-04	184.24	1.79E-01	9.43	3,814.59	273.16	10.00	0.605	4.7E-10	6.9E-03	1.4E-16	3.9E-06	1.94E-09
OCTAMETHYLPYROPHOSPHORAMIDE (M)	152169	VOC	1.18	-	3.00E-04	286.25	2.23E-02	1.00	1.00	1.00	10.00	0.979	8.2E-10	8.6E-04	3.0E-17	1.8E-06	9.01E-10
NALED	300765	VOC	1.96	301.00	2.00E-04	380.70	2.45E-02	1.00	1.00	1.00	10.00	0.979	7.3E-10	9.4E-04	2.9E-17	1.8E-06	8.89E-10
Terbufos	13071799	VOC	1.00	264.00	3.20E-04	236.40	2.28E-02	1.00	1.00	1.00	10.00	0.979	7.2E-10	8.8E-04	2.7E-17	1.7E-06	8.55E-10
Diazinon	333415	VOC	1.11	369.00	1.02E-04	304.35	4.20E-02	1.00	1.00	1.00	10.00	0.979	3.0E-10	1.6E-03	2.1E-17	1.5E-06	7.42E-10
2-Acetylaminofluorene	53963	VOC	1.02	303.00	1.20E-03	223.27	2.38E-02	7.26	2,110.19	182.26	10.00	0.560	1.5E-09	9.1E-04	5.8E-17	2.5E-06	1.24E-09
TETRAETHYLPYROPHOSPHATE (M)	107493	VOC	1.18	-	1.60E-04	290.20	2.24E-02	1.00	1.00	1.00	10.00	0.979	4.4E-10	8.6E-04	1.6E-17	1.3E-06	6.64E-10
TETRACHLOROPHENOL(2,3,4,6)	58902	VOC	1.41	233.00	6.66E-04	231.90	2.71E-02	8.40	2,822.63	236.11	10.00	0.615	9.3E-10	1.0E-03	4.2E-17	2.1E-06	1.06E-09
DIALATE	2303164	VOC	1.00	267.00	1.50E-04	270.20	2.13E-02	1.00	1.00	1.00	10.00	0.979	3.9E-10	8.2E-04	1.4E-17	1.2E-06	6.05E-10
p-Phenylenediamine	106503	VOC	--	267.00	4.60E-03	108.14	1.00E-03	1.00	1.00	1.00	10.00	0.979	4.8E-09	3.8E-05	7.9E-18	9.3E-07	4.59E-10
Lindane	58899	VOC	1.87	323.00	4.20E-05	290.85	2.75E-02	1.00	1.00	1.00	10.00	0.979	1.2E-10	1.1E-03	5.3E-18	7.6E-07	3.77E-10
Parathion	56382	VOC	1.26	375.00	3.75E-05	291.27	2.28E-02	1.00	1.00	1.00	10.00	0.979	1.0E-10	8.8E-04	3.9E-18	6.6E-07	3.25E-10
HEPTACHLOR EPOXIDE	1024573	VOC	1.58	376.00	1.46E-05	389.31	2.19E-02	1.00	1.00	1.00	10.00	0.979	5.4E-11	8.4E-04	2.0E-18	4.7E-07	2.30E-10
Pendimethalin	40487421	VOC	1.19	330.00	9.40E-06	281.31	4.43E-02	1.00	1.00	1.00	10.00	0.979	2.5E-11	1.7E-03	1.8E-18	4.5E-07	2.23E-10
TRINITROBENZENE,sym-	99354	VOC	1.02	315.00	5.71E-05	213.11	2.44E-02	10.88	6,399.03	443.20	10.00	0.712	8.5E-11	9.4E-04	3.4E-18	6.1E-07	3.03E-10
Propoxur	114261	VOC	1.15	255.00	1.92E-05	209.24	2.65E-02	1.00	1.00	1.00	10.00	0.979	3.8E-11	1.0E-03	1.7E-18	4.3E-07	2.12E-10
Methylenebis (2-chloroaniline) (MOCA)	101144	VOC	1.15	331.00	1.00E-05	267.15	2.29E-02	1.00	1.00	1.00	10.00	0.979	2.6E-11	8.8E-04	9.7E-19	3.3E-07	1.61E-10
NITROBIPHENYL,4-	92933	VOC	1.19	340.00	9.20E-06	199.21	2.74E-02	1.00	1.00	1.00	10.00	0.979	1.8E-11	1.1E-03	7.9E-19	3.0E-07	1.46E-10
BROMOPHENYL PHENYL ETHER,4-	101553	VOC	1.41	310.00	7.27E-06	249.11	2.61E-02	1.00	1.00	1.00	10.00	0.979	1.7E-11	1.0E-03	7.5E-19	2.9E-07	1.41E-10
NITROFEN	1836755	VOC	1.00	342.00	8.00E-06	284.10	2.07E-02	1.00	1.00	1.00	10.00	0.979	2.2E-11	7.9E-04	7.4E-19	2.9E-07	1.41E-10
Chlorobenzilate	510156	VOC	1.41	388.00	6.20E-06	325.19	2.27E-02	1.00	1.00	1.00	10.00	0.979	1.9E-11	8.7E-04	7.2E-19	2.8E-07	1.39E-10
Malathion	121755	VOC	1.21	300.00	4.00E-05	330.36	2.16E-02	11.91	5,167.31	272.30	10.00	0.504	6.5E-11	8.3E-04	2.3E-18	5.1E-07	2.50E-10
2,4-Diaminotoluene	95807	VOC	1.11	292.00	1.59E-03	122.00	1.00E-03	7.49	2,164.17	185.30	10.00	0.562	1.1E-09	3.8E-05	1.8E-18	4.4E-07	2.17E-10
Methoxychlor	72435	VOC	0.97	350.00	2.50E-06	345.65	1.84E-02	1.00	1.00	1.00	10.00	0.979	8.3E-12	7.1E-04	2.5E-19	1.7E-07	8.21E-11
TRIFLURALIN	1582098	VOC	--	314.00	4.58E-05	335.29	1.00E-03	1.00	1.00	1.00	10.00	0.979	1.5E-10	3.8E-05	2.4E-19	1.6E-07	8.06E-11
Acephate	30560191	VOC	1.35	228.00	1.70E-06	183.17	2.78E-02	1.00	1.00	1.00	10.00	0.979	3.0E-12	1.1E-03	1.4E-19	1.2E-07	6.05E-11
Carbaryl	63252	VOC	1.23	315.00	1.36E-06	201.22	2.74E-02	1.00	1.00	1.00	10.00	0.979	2.6E-12	1.1E-03	1.2E-19	1.1E-07	5.64E-11
DODECACHLOROPENTACYCLODECANE	2385855	VOC	1.00	465.00	8.00E-07	546.00	1.46E-02	1.00	1.00	1.00	10.00	0.979	4.2E-12	5.6E-04	1.0E-19	1.1E-07	5.20E-11
ENDRIN ALDEHYDE	7421934	VOC	1.00	355.00	6.41E-07	368.90	1.86E-02	1.00	1.00	1.00	10.00	0.979	2.3E-12	7.1E-04	7.0E-20	8.7E-08	4.32E-11
Di-iso-octyl acid phosphate	27215107	VOC	0.98	-	2.75E-07	322.48	4.04E-02	1.00	1.00	1.00	10.00	0.979	8.5E-13	1.6E-03	5.7E-20	7.9E-08	3.90E-11
Dinitrotoluene (mixed isomers)	25321146	VOC	1.32	250.00	1.00E-05	181.20	1.00E-03	7.98	3,074.44	280.23	10.00	0.680	1.2E-11	3.8E-05	2.0E-20	4.7E-08	2.31E-11
Oryzalin	19044883	VOC	1.00	450.00	9.75E-09	346.00	1.86E-02	1.00	1.00	1.00	10.00	0.979	3.2E-14	7.1E-04	9.9E-22	1.0E-08	5.16E-12
Captan	133062	VOC	1.74	291.00	9.00E-08	300.57	1.00E-03	1.00	1.00	1.00	10.00	0.979	2.6E-13	3.8E-05	4.3E-22	6.9E-09	3.38E-12
POLYCYCLIC AROMATIC COMPOUNDS	N590	VOC	1.35	-	5.90E-09	252.31	2.11E-03	1.00	1.00	1.00	10.00	0.979	1.4E-14	8.1E-05	5.0E-23	2.3E-09	1.15E-12
ISOPROPYL ETHER (diisopropyl ether	108203	VOC	0.73	69.00	1.57E+02	102.17	8.74E-02	7.21	1,354.97	245.02	10.00	0.804	1.3E-04	3.4E-03	1.8E-11	1.4E-03	6.99E-07
Bromochloromethane	74975	VOC	1.41	68.00	1.42E+02	129.38	6.88E-02	7.31	1,357.06	238.65	10.00	0.795	1.4E-04	2.6E-03	1.6E-11	1.3E-03	6.59E-07
TETRAHYDROFURAN (THF)	109999	VOC	0.88	67.00	1.62E+02	72.12	9.80E-02	7.11	1,256.68	232.62	10.00	0.801	9.1E-05	3.8E-03	1.5E-11	1.3E-03	6.30E-07
Vinyl Acetate	108054	VOC	0.93	73.00	1.40E+02	86.09	8.50E-02	7.21	1,300.00	227.00	10.00	0.786	9.3E-05	3.3E-03	1.3E-11	1.2E-03	5.90E-07
1,1,1,3,3- Pentafluoropropane	460731	VOC	1.40	-	1.78E+01	134.05	1.80E-01	1.00	1.00	1.00	10.00	0.979	2.3E-05	6.9E-03	6.8E-12	8.6E-04	4.27E-07
Cyclohexane	110827	VOC	0.78	81.00	1.00E+02	84.16	8.39E-02	6.84	1,201.53	222.65	10.00	0.794	6.5E-05	3.2E-03	9.1E-12	1.0E-03	4.93E-07
Methylcyclohexane	108872	VOC	0.76	97.00	8.33E+01	98.21	8.29E-02	6.82	1,270.76	221.42	10.00	0.782	6.2E-05	3.2E-03	8.6E-12	9.7E-04	4.79E-07
2,2,4 Trimethylpentane	540841	VOC	-	99.00	4.06E+01	114.22	7.33E-02	1.00	1.00	1.00	10.00	0.979	4.4E-05	2.8E-03	5.4E-12	7.7E-04	3.79E-07
Ethyl acetate	141786	VOC	0.90	77.00	1.00E+02	88.11	7.32E-02	7.10	1,244.95	217.88	10.00	0.780	6.7E-05	2.8E-03	8.1E-12	9.5E-04	4.67E-07
Butyraldehyde	123728	VOC	0.80	75.00	9.15E+01	72.11	9.15E-02	7.02	1,233.00	223.01	10.00	0.790	5.1E-05	3.5E-03	7.7E-12	9.2E-04	4.54E-07
Methyl ethyl ketone	78933	VOC	0.82	80.00	1.00E+02	72.10	8.08E-02	7.11	1,310.00	229.00	10.00	0.788	5.5E-05	3.1E-03	7.4E-12	9.0E-04	4.46E-07

Table 7 - Rule 291 Demonstration - Proposed Solidification

Air Permit to Install Exemption Demonstration

Reworld Solutions, LLC, Warren, Michigan

										291(2)(a)	291(2)(b)	291(2)(c)			
										Rule 291 Group	<=0.04- <2	<=.005- <.04	<.005	Other TACs w/SL	Other TACs no SL
	CAS	VOC	Emissions per Pit	Emissions per ton	Annual Emissions	ITSL	2nd ITSL	IRSL	AQD Footnote	LIMIT (tpy)	0.120	0.060	6.00E-03	5.00E+00	6.00E+00
										TOTAL	0.006	0.007	0.005	0.026	0.006
Compounds			lb/Pit	lb/ton Waste	tpy	ug/cm	ug/cm	ug/cm		Under 291 LIMITS	YES	YES	YES	YES	YES
Urethane	51796	VOC	2.00E-05	1.27E-07	1.40E-05	NA	NA	NA	NA						X
CHLOROPHENYL PHENYL ETHER,4-	7005723	VOC	1.64E-05	1.04E-07	1.14E-05	NA	NA	NA	NA						X
PENTACHLOROBENZENE	608935	VOC	2.42E-05	1.54E-07	1.69E-05	NA	NA	NA	NA						X
Diphenylamine (difficult to distinguish from diphe	122394	VOC	1.17E-05	7.41E-08	8.12E-06	NA	NA	NA	NA						X
3,5-DIBROMO-4-HYDROXYBENZONITRILE	1689845	VOC	1.04E-05	6.65E-08	7.28E-06	NA	NA	NA	NA						X
Adiponitrile	111693	VOC	9.51E-06	6.05E-08	6.62E-06	NA	NA	NA	NA						X
Catechol	120809	VOC	7.57E-06	4.81E-08	5.27E-06	NA	NA	NA	NA						X
1,2-Diphenylhydrazine	122667	VOC	1.24E-05	7.86E-08	8.61E-06	NA	NA	NA	NA						X
OCTAMETHYLPYROPHOSPHORAMIDE (M)	152169	VOC	5.74E-06	3.65E-08	4.00E-06	NA	NA	NA	NA						X
NALED	300765	VOC	5.66E-06	3.60E-08	3.94E-06	NA	NA	NA	NA						X
Terbufos	13071799	VOC	5.44E-06	3.46E-08	3.79E-06	NA	NA	NA	NA						X
Diazinon	333415	VOC	4.72E-06	3.01E-08	3.29E-06	NA	NA	NA	NA						X
2-Acetylaminofluorene	53963	VOC	7.92E-06	5.04E-08	5.52E-06	NA	NA	NA	NA						X
TETRAETHYLPYROPHOSPHATE (M)	107493	VOC	4.23E-06	2.69E-08	2.94E-06	NA	NA	NA	NA						X
TETRACHLOROPHENOL(2,3,4,6)	58902	VOC	6.72E-06	4.28E-08	4.68E-06	NA	NA	NA	NA						X
DIALATE	2303164	VOC	3.85E-06	2.45E-08	2.68E-06	NA	NA	NA	NA						X
p-Phenylenediamine	106503	VOC	2.92E-06	1.86E-08	2.04E-06	NA	NA	NA	NA						X
Lindane	58899	VOC	2.40E-06	1.53E-08	1.67E-06	NA	NA	NA	NA						X
Parathion	56382	VOC	2.07E-06	1.32E-08	1.44E-06	NA	NA	NA	NA						X
HEPTACHLOR EPOXIDE	1024573	VOC	1.46E-06	9.30E-09	1.02E-06	NA	NA	NA	NA						X
Pendimethalin	40487421	VOC	1.42E-06	9.02E-09	9.88E-07	NA	NA	NA	NA						X
TRINITROBENZENE,sym-	99354	VOC	1.93E-06	1.23E-08	1.34E-06	NA	NA	NA	NA						X
Propoxur	114261	VOC	1.35E-06	8.61E-09	9.43E-07	NA	NA	NA	NA						X
Methylenebis (2-chloroaniline) (MOCA)	101144	VOC	1.03E-06	6.52E-09	7.14E-07	NA	NA	NA	NA						X
NITROBIPHENYL,4-	92933	VOC	9.29E-07	5.91E-09	6.47E-07	NA	NA	NA	NA						X
BROMOPHENYL PHENYL ETHER,4-	101553	VOC	9.01E-07	5.73E-09	6.28E-07	NA	NA	NA	NA						X
NITROFEN	1836755	VOC	8.99E-07	5.72E-09	6.26E-07	NA	NA	NA	NA						X
Chlorobenzilate	510156	VOC	8.87E-07	5.64E-09	6.18E-07	NA	NA	NA	NA						X
Malathion	121755	VOC	1.59E-06	1.01E-08	1.11E-06	NA	NA	NA	NA						X
2,4-Diaminotoluene	95807	VOC	1.38E-06	8.80E-09	9.63E-07	NA	NA	NA	NA						X
Methoxychlor	72435	VOC	5.23E-07	3.33E-09	3.64E-07	NA	NA	NA	NA						X
TRIFLURALIN	1582098	VOC	5.14E-07	3.27E-09	3.58E-07	NA	NA	NA	NA						X
Acephate	30560191	VOC	3.85E-07	2.45E-09	2.68E-07	NA	NA	NA	NA						X
Carbaryl	63252	VOC	3.59E-07	2.28E-09	2.50E-07	NA	NA	NA	NA						X
DODECACHLOROPENTACYCLODECANE	2385855	VOC	3.31E-07	2.11E-09	2.31E-07	NA	NA	NA	NA						X
ENDRIN ALDEHYDE	7421934	VOC	2.75E-07	1.75E-09	1.92E-07	NA	NA	NA	NA						X
Di-iso-octyl acid phosphate	27215107	VOC	2.48E-07	1.58E-09	1.73E-07	NA	NA	NA	NA						X
Dinitrotoluene (mixed isomers)	25321146	VOC	1.47E-07	9.35E-10	1.02E-07	NA	NA	NA	NA						X
Oryzalin	19044883	VOC	3.28E-08	2.09E-10	2.29E-08	NA	NA	NA	NA						X
Captan	133062	VOC	2.16E-08	1.37E-10	1.50E-08	NA	NA	NA	NA						X
POLYCYCLIC AROMATIC COMPOUNDS	N590	VOC	7.36E-09	4.68E-11	5.12E-09	NA	NA	NA	NA						X
ISOPROPYL ETHER (diisopropyl ether	108203	VOC	4.45E-03	2.83E-05	3.10E-03	360.00	-	-	-					X	
Bromochloromethane	74975	VOC	4.20E-03	2.67E-05	2.93E-03	10,600.00	-	-	-					X	
TETRAHYDROFURAN (THF)	109999	VOC	4.01E-03	2.55E-05	2.79E-03	8,000.00	-	-	-					X	
Vinyl Acetate	108054	VOC	3.76E-03	2.39E-05	2.62E-03	200.00	-	-	-					X	
1,1,1,3,3- Pentafluoropropane	460731	VOC	2.72E-03	1.73E-05	1.89E-03	2,000.00	-	-	-					X	
Cyclohexane	110827	VOC	3.14E-03	2.00E-05	2.19E-03	6,000.00	-	-	-					X	
Methylcyclohexane	108872	VOC	3.05E-03	1.94E-05	2.13E-03	16,000.00	-	-	-					X	
2,2,4 Trimethylpentane	540841	VOC	2.42E-03	1.54E-05	1.68E-03	3,500.00	-	-	1					X	
Ethyl acetate	141786	VOC	2.97E-03	1.89E-05	2.07E-03	3,200.00	-	-	-					X	
Butyraldehyde	123728	VOC	2.89E-03	1.84E-05	2.02E-03	7.00	-	-	-					X	
Methyl ethyl ketone	78933	VOC	2.84E-03	1.81E-05	1.98E-03	5,000.00	-	-	-					X	

Table 7 - Rule 291 Demonstration - Proposed Solidification

Air Permit to Install Exemption Demonstration  
Reworld Solutions, LLC, Warren, Michigan

	CAS	VOC	Density	Boiling Point	Vapor Pressure @ 60F	Molecular Weight (MV)	Diffusivity in air (Da)	Antoine Coefficients			Concentration	IWAIR Equations					
								A	B	C		Temerpature Corrected (Tcorr)	vapor/liquid equilibrium coefficient (Keq)	Effecticve Diffusivity (Deff)	volatilization rate of the compound (Kv )	Fraction of the VOCs emitted (femitted)	Mass Flux Rate (E) (per pit)
								compound	compound	compound		2-16	2-15	2-18	2-19	2-21	2-37
								compound	compound	compound		ppm	g/cm3 / g/cm3	cm^2/s	1/s	per time period	g/m^2-s
Compounds			g/cm3	C	mmHg	lb/lbmol	cm2/s										
Ethanol	64175	VOC	0.79	74.00	5.00E+01	46.07	1.23E-01	1.00	1.00	1.00	10.00	0.979	2.2E-05	4.7E-03	4.5E-12	7.0E-04	3.46E-07
Triethylamine	121448	VOC	0.73	90.00	5.71E+01	101.22	8.81E-02	6.96	1,270.00	223.00	10.00	0.785	4.4E-05	3.4E-03	6.4E-12	8.4E-04	4.16E-07
Cyclohexene	110838	VOC	0.81	83.00	6.70E+01	82.20	8.32E-02	6.87	1,221.90	223.18	10.00	0.792	4.3E-05	3.2E-03	5.9E-12	8.0E-04	3.96E-07
Methanol	67561	VOC	0.79	65.00	1.00E+02	32.04	1.50E-01	7.90	1,470.00	229.00	10.00	0.765	2.4E-05	5.8E-03	5.9E-12	8.1E-04	3.99E-07
Propyl Acetate	109604	VOC	0.89	102.00	6.72E+01	102.13	7.20E-02	7.02	1,282.28	208.60	10.00	0.758	5.1E-05	2.8E-03	6.1E-12	8.2E-04	4.03E-07
tert-Butyl alcohol	75650	VOC	0.79	82.00	3.32E+01	74.12	8.76E-02	1.00	1.00	1.00	10.00	0.979	2.4E-05	3.4E-03	3.4E-12	6.1E-04	3.02E-07
Isoamyl Alcohol	123513	VOC	1.00	131.00	2.80E+01	88.15	8.61E-02	1.00	1.00	1.00	10.00	0.979	2.4E-05	3.3E-03	3.4E-12	6.1E-04	3.00E-07
Tetrachloroethylene	127184	VOC	1.61	121.00	1.59E+01	165.83	8.00E-02	1.00	1.00	1.00	10.00	0.979	2.5E-05	3.1E-03	3.3E-12	6.0E-04	2.99E-07
sec-Butyl alcohol	78922	VOC	0.81	98.00	1.44E+01	158.45	8.94E-02	1.00	1.00	1.00	10.00	0.979	2.2E-05	3.4E-03	3.2E-12	6.5E-04	2.94E-07
Acetonitrile	75058	VOC	0.78	82.00	7.30E+01	41.05	1.28E-01	7.12	1,310.00	230.00	10.00	0.789	2.3E-05	4.9E-03	4.9E-12	7.3E-04	3.62E-07
Ethylene	74851	VOC	0.76	(104.00)	4.50E+01	28.05	1.74E-01	6.75	585.00	255.00	10.00	0.916	1.1E-05	6.7E-03	3.3E-12	6.0E-04	2.95E-07
Heptane	142825	VOC	0.68	95.00	3.75E+01	100.21	9.26E-02	6.89	1,264.37	216.64	10.00	0.775	2.8E-05	3.6E-03	4.4E-12	6.9E-04	3.42E-07
Methyl Acrylate	96333	VOC	0.97	80.00	4.00E+01	86.09	8.66E-02	6.84	1,193.78	224.63	10.00	0.798	2.7E-05	3.3E-03	3.8E-12	6.5E-04	3.21E-07
Diethylaminoethanol	100378	VOC	1.00	-	2.10E+01	117.19	6.61E-02	1.00	1.00	1.00	10.00	0.979	2.4E-05	2.5E-03	2.6E-12	5.3E-04	2.62E-07
Ethyl Acrylate	140885	VOC	0.92	100.00	4.00E+01	100.12	7.70E-02	7.96	1,897.01	273.16	10.00	0.779	3.0E-05	3.0E-03	3.9E-12	6.5E-04	3.22E-07
Toluene	108883	VOC	0.87	111.00	4.00E+01	92.14	8.70E-02	6.95	1,340.00	219.00	10.00	0.768	2.8E-05	3.3E-03	4.0E-12	6.6E-04	3.26E-07
Methyl Methacrylate	80626	VOC	0.95	101.00	4.00E+01	100.12	7.70E-02	6.52	1,050.00	188.00	10.00	0.761	3.0E-05	3.0E-03	3.8E-12	6.5E-04	3.19E-07
Methyl Disulfide	624920	VOC	1.05	109.00	2.86E+01	94.20	8.35E-02	6.83	1,303.50	218.40	10.00	0.772	2.0E-05	3.2E-03	2.8E-12	5.6E-04	2.74E-07
Acetic Acid	64197	VOC	1.05	118.00	1.54E+01	60.05	1.13E-01	1.00	1.00	1.00	10.00	0.979	8.8E-06	4.3E-03	1.7E-12	4.3E-04	2.10E-07
Isopropyl alcohol	67630	VOC	0.79	82.00	4.00E+01	60.10	9.80E-02	8.12	1,580.92	219.61	10.00	0.733	1.7E-05	3.8E-03	2.8E-12	5.5E-04	2.73E-07
n-butyl acetate	123864	VOC	-	118.00	1.00E+01	116.16	8.00E-02	1.00	1.00	1.00	10.00	0.979	1.1E-05	3.1E-03	1.5E-12	4.0E-04	1.98E-07
Methyl Propyl Ketone	107879	VOC	0.81	102.00	1.20E+01	86.13	8.00E-02	1.00	1.00	1.00	10.00	0.979	9.9E-06	3.1E-03	1.3E-12	3.8E-04	1.87E-07
Propyl alcohol	71238	VOC	0.80	97.00	4.50E+01	60.10	7.90E-02	7.85	1,499.21	204.64	10.00	0.716	1.9E-05	3.0E-03	2.5E-12	5.2E-04	2.57E-07
Formic acid	64186	VOC	1.22	101.00	4.00E+01	46.03	7.90E-02	7.58	1,699.20	260.70	10.00	0.784	1.5E-05	3.0E-03	1.9E-12	4.6E-04	2.28E-07
Butyl Glycidyl Ether	2426086	VOC	0.95	-	3.20E+00	130.18	1.80E-01	1.00	1.00	1.00	10.00	0.979	4.0E-06	6.9E-03	1.2E-12	3.6E-04	1.78E-07
Butyl Acrylate	141322	VOC	0.90	145.00	1.00E+01	128.17	5.69E-02	1.00	1.00	1.00	10.00	0.979	1.2E-05	2.2E-03	1.2E-12	3.6E-04	1.76E-07
2-Methoxyethanol	109864	VOC	0.97	125.00	1.00E+01	76.11	9.51E-02	1.00	1.00	1.00	10.00	0.979	7.3E-06	3.7E-03	1.1E-12	3.5E-04	1.75E-07
1,2-diaminoethane	107153	VOC	0.90	126.00	9.75E+00	60.10	1.17E-01	1.00	1.00	1.00	10.00	0.979	5.6E-06	4.5E-03	1.1E-12	3.5E-04	1.71E-07
Pyridine	110861	VOC	0.98	116.00	2.00E+01	79.10	9.10E-02	7.04	1,370.00	215.00	10.00	0.756	1.2E-05	3.5E-03	1.8E-12	4.4E-04	2.17E-07
Sec-Amyl Acetate	626380	VOC	1.00	-	6.98E+00	130.18	5.87E-02	1.00	1.00	1.00	10.00	0.979	8.7E-06	2.3E-03	8.4E-13	3.0E-04	1.50E-07
N-Amyl Acetate	628637	VOC	0.88	148.00	5.17E+00	130.19	6.40E-02	1.00	1.00	1.00	10.00	0.979	6.4E-06	2.5E-03	6.8E-13	2.7E-04	1.35E-07
o-Xylene	95476	VOC	0.88	144.00	1.00E+01	106.17	8.70E-02	7.00	1,474.68	213.69	10.00	0.738	7.6E-06	3.3E-03	1.1E-12	3.5E-04	1.72E-07
2-Picoline	109068	VOC	0.94	130.00	1.12E+01	93.14	8.01E-02	7.15	1,505.99	222.95	10.00	0.750	7.6E-06	3.1E-03	1.0E-12	3.3E-04	1.65E-07
Xylene	1330207	VOC	1.02	140.00	1.00E+01	106.17	7.37E-02	7.94	2,090.00	273.00	10.00	0.759	7.9E-06	2.8E-03	9.6E-13	3.2E-04	1.60E-07
p-Xylene	106423	VOC	0.86	138.00	1.00E+01	106.17	7.69E-02	6.99	1,453.43	215.31	10.00	0.744	7.7E-06	3.0E-03	9.8E-13	3.3E-04	1.62E-07
Methyl Isoamyl Ketone	110123	VOC	0.80	144.00	5.00E+00	114.20	6.16E-02	1.00	1.00	1.00	10.00	0.979	5.5E-06	2.4E-03	5.6E-13	2.5E-04	1.22E-07
Chlorobenzene	108907	VOC	1.11	132.00	8.80E+00	112.56	7.30E-02	6.98	1,430.00	218.00	10.00	0.752	7.3E-06	2.8E-03	8.8E-13	3.1E-04	1.53E-07
m-Xylene	108383	VOC	0.86	139.00	1.00E+01	106.18	7.00E-02	7.01	1,462.27	215.11	10.00	0.742	7.7E-06	2.7E-03	8.9E-13	3.1E-04	1.54E-07
Isoamyl Acetate	123922	VOC	1.00	142.00	4.00E+00	130.18	5.87E-02	1.00	1.00	1.00	10.00	0.979	5.0E-06	2.3E-03	4.8E-13	2.3E-04	1.14E-07
Nonane	111842	VOC	1.00	-	1.00E+01	128.26	5.92E-02	6.93	1,429.46	201.82	10.00	0.721	9.0E-06	2.3E-03	8.8E-13	3.1E-04	1.54E-07
Butyl Alcohol	71363	VOC	0.81	98.00	1.55E+01	74.12	8.00E-02	7.48	1,362.39	178.77	10.00	0.679	7.6E-06	3.1E-03	1.0E-12	3.3E-04	1.64E-07
Styrene	100425	VOC	0.90	145.00	9.50E+00	104.16	7.10E-02	6.95	1,440.00	208.00	10.00	0.732	7.1E-06	2.7E-03	8.3E-13	3.0E-04	1.49E-07
Methyl Amyl Ketone	110430	VOC	0.82	150.00	3.00E+00	114.19	6.20E-02	1.00	1.00	1.00	10.00	0.979	3.3E-06	2.4E-03	3.4E-13	1.9E-04	9.48E-08
Isobutyl alcohol	78831	VOC	0.79	98.00	1.00E+01	74.00	8.60E-02	7.33	1,248.48	172.92	10.00	0.686	5.0E-06	3.3E-03	7.0E-13	2.8E-04	1.37E-07
Diisobutyl Ketone	108838	VOC	1.00	-	2.40E+00	142.27	5.22E-02	1.00	1.00	1.00	10.00	0.979	3.3E-06	2.0E-03	2.8E-13	1.8E-04	8.69E-08
1,3,5 Trimethylbenzene	108678	VOC	-	163.00	2.40E+00	120.20	6.02E-02	1.00	1.00	1.00	10.00	0.979	2.8E-06	2.3E-03	2.7E-13	1.7E-04	8.58E-08
Methyl Butyl Ketone	108101	VOC	1.00	116.00	2.00E+00	100.16	7.71E-02	1.00	1.00	1.00	10.00	0.979	1.9E-06	3.0E-03	2.4E-13	1.6E-04	8.09E-08
Cyclohexanone	108941	VOC	0.95	157.00	4.80E+00	98.20	7.84E-02	6.98	1,495.58	209.56	10.00	0.726	3.3E-06	3.0E-03	4.3E-13	2.2E-04	1.08E-07
Bromobenzene	108861	VOC	1.50	155.00	4.18E+00	157.02	5.37E-02	7.13	1,615.76	223.97	10.00	0.736	4.7E-06	2.1E-03	4.2E-13	2.1E-04	1.06E-07
d- Limonene	5989275	VOC	0.84	176.00	1.43E+00	136.24	5.88E-02	1.00	1.00	1.00	10.00	0.979	1.9E-06	2.3E-03	1.8E-13	1.4E-04	6.96E-08
N,N-Dimethylformamide	68122	VOC	0.94	153.00	4.00E+00	73.09	9.39E-02	6.93	1,400.00	196.00	10.00	0.713	2.0E-06	3.6E-03	3.2E-13	1.9E-04	9.20E-08
n-Propylbenzene	103651	VOC	0.86	159.00	3.40E+00	120.19	6.01E-02	7.18	1,655.21	225.62	10.00	0.734	2.9E-06	2.3E-03	2.9E-13	1.8E-04	8.83E-08

Table 7 - Rule 291 Demonstration - Proposed Solidification

Air Permit to Install Exemption Demonstration

Reworld Solutions, LLC, Warren, Michigan

										291(2)(a)	291(2)(b)	291(2)(c)			
										Rule 291 Group	<=0.04- <2	<=.005- <.04	<.005	Other TACs w/SL	Other TACs no SL
	CAS	VOC	Emissions per Pit	Emissions per ton	Annual Emissions	ITSL	2nd ITSL	IRSL	AQD Footnote	LIMIT (tpy)	0.120	0.060	6.00E-03	5.00E+00	6.00E+00
										TOTAL	0.006	0.007	0.005	0.026	0.006
Compounds			lb/Pit	lb/ton Waste	tpy	ug/cm	ug/cm	ug/cm		Under 291 LIMITS	YES	YES	YES	YES	YES
Ethanol	64175	VOC	2.21E-03	1.40E-05	1.54E-03	19,000.00	-	-	-					X	
Triethylamine	121448	VOC	2.65E-03	1.68E-05	1.84E-03	7.00	21.00	-	-					X	
Cyclohexene	110838	VOC	2.52E-03	1.61E-05	1.76E-03	10,000.00	-	-	-					X	
Methanol	67561	VOC	2.54E-03	1.62E-05	1.77E-03	20,000.00	28,000.00	-	-					X	
Propyl Acetate	109604	VOC	2.57E-03	1.63E-05	1.79E-03	8,350.00	-	-	-					X	
tert-Butyl alcohol	75650	VOC	1.93E-03	1.22E-05	1.34E-03	-	-	7.00	-					X	
Isoamyl Alcohol	123513	VOC	1.91E-03	1.22E-05	1.33E-03	360.00	-	-	-					X	
Tetrachloroethylene	127184	VOC	1.90E-03	1.21E-05	1.32E-03	40.00	1,400.00	4.00	13					X	
sec-Butyl alcohol	78922	VOC	1.87E-03	1.19E-05	1.30E-03	3,000.00	-	-	-					X	
Acetonitrile	75058	VOC	2.31E-03	1.47E-05	1.61E-03	200.00	-	-	-					X	
Ethylene	74851	VOC	1.88E-03	1.20E-05	1.31E-03	6,240.00	-	-	-					X	
Heptane	142825	VOC	2.18E-03	1.38E-05	1.52E-03	3,500.00	-	-	-					X	
Methyl Acrylate	96333	VOC	2.04E-03	1.30E-05	1.42E-03	70.00	-	-	-					X	
Diethylaminoethanol	100378	VOC	1.67E-03	1.06E-05	1.16E-03	4.00	-	-	-					X	
Ethyl Acrylate	140885	VOC	2.05E-03	1.31E-05	1.43E-03	120.00	200.00	-	-					X	
Toluene	108883	VOC	2.08E-03	1.32E-05	1.45E-03	5,000.00	-	-	-					X	
Methyl Methacrylate	80626	VOC	2.03E-03	1.29E-05	1.41E-03	700.00	-	-	-					X	
Methyl Disulfide	624920	VOC	1.75E-03	1.11E-05	1.22E-03	16.00	1,200.00	-	-					X	
Acetic Acid	64197	VOC	1.34E-03	8.52E-06	9.33E-04	1,200.00	-	-	-					X	
Isopropyl alcohol	67630	VOC	1.74E-03	1.11E-05	1.21E-03	220.00	-	-	-					X	
n-butyl acetate	123864	VOC	1.26E-03	8.04E-06	8.80E-04	2,400.00	-	-	15					X	
Methyl Propyl Ketone	107879	VOC	1.19E-03	7.58E-06	8.30E-04	5,300.00	-	-	-					X	
Propyl alcohol	71238	VOC	1.64E-03	1.04E-05	1.14E-03	2,500.00	-	-	-					X	
Formic acid	64186	VOC	1.45E-03	9.22E-06	1.01E-03	2.00	-	-	-					X	
Butyl Glycidyl Ether	2426086	VOC	1.14E-03	7.22E-06	7.91E-04	300.00	160.00	-	-					X	
Butyl Acrylate	141322	VOC	1.12E-03	7.12E-06	7.80E-04	100.00	-	-	-					X	
2-Methoxyethanol	109864	VOC	1.12E-03	7.09E-06	7.77E-04	20.00	-	-	-					X	
1,2-diaminoethane	107153	VOC	1.09E-03	6.92E-06	7.57E-04	30.00	-	-	-					X	
Pyridine	110861	VOC	1.38E-03	8.79E-06	9.63E-04	3.50	-	-	-					X	
Sec-Amyl Acetate	626380	VOC	9.57E-04	6.09E-06	6.67E-04	2,600.00	-	-	-					X	
N-Amyl Acetate	628637	VOC	8.60E-04	5.47E-06	5.99E-04	1,100.00	-	-	-					X	
o-Xylene	95476	VOC	1.09E-03	6.96E-06	7.62E-04	390.00	-	-	2					X	
2-Picoline	109068	VOC	1.05E-03	6.67E-06	7.30E-04	24.00	-	-	-					X	
Xylene	1330207	VOC	1.02E-03	6.50E-06	7.11E-04	390.00	-	-	2					X	
p-Xylene	106423	VOC	1.03E-03	6.57E-06	7.19E-04	390.00	-	-	2					X	
Methyl Isoamyl Ketone	110123	VOC	7.78E-04	4.95E-06	5.42E-04	2,300.00	-	-	-					X	
Chlorobenzene	108907	VOC	9.77E-04	6.22E-06	6.81E-04	50.00	4,400.00	-	-					X	
m-Xylene	108383	VOC	9.84E-04	6.26E-06	6.85E-04	390.00	-	-	2					X	
Isoamyl Acetate	123922	VOC	7.25E-04	4.61E-06	5.05E-04	2,700.00	5,300.00	-	-					X	
Nonane	111842	VOC	9.80E-04	6.24E-06	6.83E-04	550.00	-	-	-					X	
Butyl Alcohol	71363	VOC	1.05E-03	6.66E-06	7.29E-04	350.00	-	-	-					X	
Styrene	100425	VOC	9.50E-04	6.04E-06	6.62E-04	1,000.00	-	2.00	-					X	
Methyl Amyl Ketone	110430	VOC	6.04E-04	3.84E-06	4.21E-04	2,330.00	-	-	-					X	
Isobutyl alcohol	78831	VOC	8.76E-04	5.57E-06	6.10E-04	1,500.00	-	-	-					X	
Diisobutyl Ketone	108838	VOC	5.54E-04	3.52E-06	3.86E-04	1,500.00	-	-	-					X	
1,3,5 Trimethylbenzene	108678	VOC	5.46E-04	3.48E-06	3.81E-04	185.00	1,200.00	-	14					X	
Methyl Butyl Ketone	108101	VOC	5.15E-04	3.28E-06	3.59E-04	820.00	-	-	-					X	
Cyclohexanone	108941	VOC	6.86E-04	4.37E-06	4.78E-04	800.00	-	-	-					X	
Bromobenzene	108861	VOC	6.75E-04	4.29E-06	4.70E-04	60.00	-	-	-					X	
d- Limonene	5989275	VOC	4.43E-04	2.82E-06	3.09E-04	6,250.00	-	-	-					X	
N,N-Dimethylformamide	68122	VOC	5.86E-04	3.73E-06	4.08E-04	30.00	-	-	-					X	
n-Propylbenzene	103651	VOC	5.62E-04	3.58E-06	3.92E-04	20.00	-	-	-					X	

Table 7 - Rule 291 Demonstration - Proposed Solidification

Air Permit to Install Exemption Demonstration

Reworld Solutions, LLC, Warren, Michigan

	CAS	VOC	Density	Boiling Point	Vapor Pressure @	Molecular	Diffusivity in	Antoine Coefficients			Concentration	IWAIR Equations					
								A	B	C		Temerpature	vapor/liquid	Effecticve	volatilization	Fraction of	Mass Flux
								compound	compound	compound		Corrected	equilibrium	Diffusivity	rate of the	the VOCs	Rate (E) (per
								compound	compound	compound		(Tcorr)	coefficient (Keq)	(Deff)	compound (Kv )	emitted (femitted)	Rate (E) (per
Compounds			g/cm3	C	mmHg	lb/lbmol	cm2/s				ppm	2-16	2-15	2-18	2-19	2-21	2-37
													g/cm3 / g/cm3	cm^2/s	1/s	per time period	g/m^2-s
Isophorone	78591	VOC	0.93	215.00	3.00E-01	138.21	6.04E-01	7.47	2,105.90	243.78	10.00	0.710	2.9E-07	2.3E-02	2.9E-13	1.8E-04	8.77E-08
m-Dichlorobenzene	541731	VOC	1.29	172.00	2.28E+00	147.01	6.92E-02	7.30	1,782.40	230.01	10.00	0.725	2.4E-06	2.7E-03	2.7E-13	1.7E-04	8.53E-08
2-butoxyethanol	111762	VOC	-	171.00	1.03E+00	118.15	6.56E-02	1.00	1.00	1.00	10.00	0.979	1.2E-06	2.5E-03	1.3E-13	1.2E-04	5.83E-08
2-Chloropchenol	95578	VOC	1.26	176.00	2.53E+00	128.60	6.60E-02	6.88	1,470.00	193.00	10.00	0.695	2.2E-06	2.5E-03	2.4E-13	1.6E-04	8.03E-08
tert-Butyl benzene	98066	VOC	1.00	169.00	2.20E+00	134.21	5.65E-02	6.89	1,509.57	207.65	10.00	0.720	2.1E-06	2.2E-03	1.9E-13	1.5E-04	7.21E-08
1,2,4-Trimethylbenzene	95636	VOC	0.88	169.00	2.10E+00	120.20	6.06E-02	7.04	1,573.27	208.56	10.00	0.712	1.8E-06	2.3E-03	1.8E-13	1.4E-04	6.87E-08
2,4,5-Trichlorophenol	95954	VOC	1.18	249.00	1.00E+00	197.46	2.91E-02	1.00	1.00	1.00	10.00	0.979	1.9E-06	1.1E-03	9.1E-14	1.0E-04	4.93E-08
1,2-Dichlorobenzene	95501	VOC	1.31	179.00	1.50E+00	147.00	6.90E-02	6.88	1,537.67	205.25	10.00	0.711	1.5E-06	2.6E-03	1.7E-13	1.4E-04	6.84E-08
p-Isopropyltoluene (p-Cymene)	99876	VOC	0.86	177.00	1.75E+00	134.22	5.60E-02	7.13	1,671.47	216.01	10.00	0.713	1.6E-06	2.2E-03	1.5E-13	1.3E-04	6.38E-08
1,2,3-TRIMETHYL BENZENE	526738	VOC	0.89	175.00	1.69E+00	120.20	6.11E-02	7.30	1,789.65	229.03	10.00	0.722	1.4E-06	2.3E-03	1.4E-13	1.3E-04	6.23E-08
N-Methyl-2-pyrrolidone	872504	VOC	1.03	202.00	5.00E-01	99.13	7.90E-02	1.00	1.00	1.00	10.00	0.979	4.7E-07	3.0E-03	6.2E-14	8.3E-05	4.07E-08
Phosphoric Acid	7664382	--	1.83	-	2.85E-01	98.00	1.01E-01	(0.55)	-	-	10.00	1.000	2.7E-07	3.9E-03	4.6E-14	7.1E-05	3.49E-08
n-Butyl benzene	104518	VOC	1.02	183.00	1.06E+00	134.22	5.70E-02	7.18	1,720.37	216.41	10.00	0.707	9.8E-07	2.2E-03	9.3E-14	1.0E-04	4.98E-08
Mesityl Oxide	141797	VOC	0.86	127.00	8.58E-01	98.20	7.34E-02	7.07	1,434.60	213.07	10.00	0.743	6.1E-07	2.8E-03	7.4E-14	9.0E-05	4.46E-08
Ethanolamine	141435	VOC	1.02	172.00	4.04E-01	61.09	1.07E-01	1.00	1.00	1.00	10.00	0.979	2.4E-07	4.1E-03	4.2E-14	6.8E-05	3.34E-08
Cresol	1319773	VOC	1.03	202.00	8.80E-01	108.14	7.28E-02	8.85	2,790.00	273.00	10.00	0.692	6.4E-07	2.8E-03	7.7E-14	9.2E-05	4.55E-08
Acetophenone	98862	VOC	1.03	202.00	1.00E+00	120.15	6.00E-02	7.39	1,891.50	217.89	10.00	0.686	8.0E-07	2.3E-03	8.0E-14	9.4E-05	4.63E-08
o-Cresol	95487	VOC	1.05	191.00	1.00E+00	108.15	7.40E-02	6.91	1,435.50	165.16	10.00	0.625	6.6E-07	2.8E-03	8.1E-14	9.4E-05	4.65E-08
Anthracene	120127	VOC	1.25	340.00	1.00E+00	178.23	3.85E-02	8.91	3,761.00	273.16	10.00	0.609	1.1E-06	1.5E-03	6.7E-14	8.6E-05	4.25E-08
2,4-D	94757	VOC	0.97	291.00	1.33E-01	121.18	6.35E-02	1.00	1.00	1.00	10.00	0.979	1.5E-07	2.4E-03	1.6E-14	4.2E-05	2.08E-08
sec-Butyl benzene	135988	VOC	1.02	175.00	3.10E-01	134.22	5.70E-02	6.91	1,536.80	208.31	10.00	0.717	2.9E-07	2.2E-03	2.7E-14	5.5E-05	2.71E-08
o-Nitrophenol	88755	VOC	1.00	216.00	1.13E-01	139.11	5.39E-02	1.00	1.00	1.00	10.00	0.979	1.5E-07	2.1E-03	1.3E-14	3.8E-05	1.89E-08
2,4-Dimethylphenol	105679	VOC	1.04	212.00	1.02E-01	122.16	6.43E-02	1.00	1.00	1.00	10.00	0.979	1.2E-07	2.5E-03	1.3E-14	3.7E-05	1.84E-08
Phenol	108952	VOC	1.07	182.00	3.50E-01	94.11	8.20E-02	7.13	1,520.00	175.00	10.00	0.638	2.1E-07	3.1E-03	2.8E-14	5.5E-05	2.73E-08
1,2,4-Trichlorobenzene	120821	VOC	1.41	213.00	1.80E-01	181.50	3.00E-02	7.71	2,240.00	253.00	10.00	0.712	2.3E-07	1.2E-03	1.1E-14	3.5E-05	1.74E-08
Chloroacetic Acid	79118	VOC	1.58	189.00	1.65E-01	94.49	9.16E-02	7.53	1,710.99	178.73	10.00	0.615	9.4E-08	3.5E-03	1.4E-14	3.9E-05	1.95E-08
2,4-Dichlorophenol	120832	VOC	1.41	210.00	1.20E-01	163.01	4.89E-02	7.50	1,890.06	199.36	10.00	0.643	1.2E-07	1.9E-03	9.9E-15	3.3E-05	1.63E-08
p-Cresol	106445	VOC	1.03	203.00	1.10E-01	108.14	7.40E-02	7.04	1,511.08	161.86	10.00	0.599	7.0E-08	2.8E-03	8.5E-15	3.1E-05	1.51E-08
Quinone	106514	VOC	1.32	293.00	1.00E-01	108.10	6.66E-02	7.38	1,578.95	170.26	10.00	0.613	6.5E-08	2.6E-03	7.1E-15	2.8E-05	1.38E-08
Ethylene Glycol	107211	VOC	1.12	197.00	6.00E-02	62.07	1.08E-01	8.09	2,090.00	204.00	10.00	0.626	2.3E-08	4.1E-03	4.1E-15	2.1E-05	1.04E-08
m-Cresol	108394	VOC	1.03	202.00	4.00E-02	108.14	7.40E-02	7.51	1,856.36	199.07	10.00	0.647	2.7E-08	2.8E-03	3.3E-15	1.9E-05	9.47E-09
2,6-Dichlorophenol	87650	VOC	1.41	220.00	3.40E-02	163.00	4.89E-02	6.90	1,677.80	197.46	10.00	0.671	3.6E-08	1.9E-03	2.9E-15	1.8E-05	8.87E-09
1,2,3-Trichlorobenzene	87616	VOC	1.41	221.00	2.39E-02	181.46	3.82E-02	7.43	2,063.53	235.16	10.00	0.699	3.0E-08	1.5E-03	1.9E-15	1.4E-05	7.07E-09
Tri-n-butyl phosphate	126738	VOC	0.97	289.00	4.00E-03	266.32	4.59E-02	1.00	1.00	1.00	10.00	0.979	1.0E-08	1.8E-03	7.7E-16	9.2E-06	4.55E-09
Dimethyl phthalate	131113	VOC	1.19	284.00	3.08E-03	194.20	5.68E-02	7.73	2,110.01	424.88	10.00	0.886	5.2E-09	2.2E-03	4.9E-16	7.3E-06	3.61E-09
2,6-Dimethylphenol	576261	VOC	-	201.00	1.71E-01	122.80	1.00E-03	1.00	1.00	1.00	10.00	0.979	2.0E-07	3.8E-05	3.3E-16	6.0E-06	2.98E-09
Phthalic anhydride	85449	VOC	1.53	295.00	5.17E-04	148.10	7.10E-02	8.02	2,868.50	273.16	10.00	0.685	5.1E-10	2.7E-03	6.0E-17	2.6E-06	1.27E-09
ACENAPHTHYLENE	208968	VOC	0.90	265.00	9.10E-04	152.21	4.49E-02	7.12	1,923.80	184.17	10.00	0.595	8.1E-10	1.7E-03	6.0E-17	2.6E-06	1.27E-09
2,4-Dinitrophenol	51285	VOC	1.68	366.00	6.11E-04	184.12	2.73E-02	8.21	3,406.00	273.00	10.00	0.638	7.0E-10	1.0E-03	3.2E-17	1.9E-06	9.21E-10
Pentachloronitrobenzene	82688	VOC	1.41	357.00	9.91E-05	295.36	2.39E-02	1.00	1.00	1.00	10.00	0.979	2.8E-10	9.2E-04	1.1E-17	1.1E-06	5.44E-10
4,6-Dinitro-o-cresol	534521	VOC	1.15	378.00	1.10E-04	198.00	2.76E-02	1.00	1.00	1.00	10.00	0.979	2.1E-10	1.1E-03	9.5E-18	1.0E-06	5.05E-10
Dibenzofuran	132649	VOC	--	287.00	2.48E-03	222.30	1.00E-03	1.00	1.00	1.00	10.00	0.979	5.3E-09	3.8E-05	8.7E-18	9.8E-07	4.83E-10
2-sec-Butyl-4,6-dinitrophenol/Dinoseb	88857	VOC	1.18	332.00	7.50E-05	240.24	2.45E-02	1.00	1.00	1.00	10.00	0.979	1.7E-10	9.4E-04	7.0E-18	8.8E-07	4.32E-10
Butyric Acid	107926	VOC	0.96	164.00	4.30E-01	88.11	1.09E-05	1.00	1.00	1.00	10.00	0.979	3.6E-07	4.2E-07	6.5E-18	8.5E-07	4.19E-10
2- Methylnaphthalene	91576	VOC	1.00	241.00	7.24E-05	142.21	6.29E-02	7.04	1,805.88	193.35	10.00	0.640	6.4E-11	2.4E-03	6.7E-18	8.6E-07	4.23E-10
Dibutyl phthalate	84742	VOC	1.04	340.00	8.54E-06	278.35	4.23E-02	1.00	1.00	1.00	10.00	0.979	2.3E-11	1.6E-03	1.6E-18	4.2E-07	2.06E-10
Fluorene	86737	VOC	1.20	295.00	1.11E-05	166.00	3.63E-02	7.33	2,292.70	217.58	10.00	0.633	1.1E-11	1.4E-03	6.8E-19	2.7E-07	1.35E-10
Acenaphthene	83329	VOC	1.07	278.00	6.58E-06	154.22	4.21E-02	7.16	2,033.35	197.71	10.00	0.617	6.1E-12	1.6E-03	4.3E-19	2.2E-07	1.07E-10
Fluoranthene	206440	VOC	1.02	384.00	9.20E-06	202.00	2.51E-02	6.37	1,756.00	118.00	10.00	0.359	6.5E-12	9.6E-04	2.7E-19	1.7E-07	8.51E-11
DI-n-OCTYL PHTHALATE	117840	VOC	0.98	380.00	1.00E-07	390.56	1.73E-02	7.77	2,614.83	150.35	10.00	0.365	1.4E-13	6.6E-04	4.0E-21	2.1E-08	1.03E-11
Pyrene	129000	VOC	1.27	404.00	5.92E-09	202.30	2.72E-02	7.42	2,698.00	199.55	10.00	0.533	6.2E-15	1.0E-03	2.8E-22	5.6E-09	2.74E-12
Benzo(g,h,i)perylene	191242	VOC	1.02	500.00	1.00E-10	276.34	2.20E-02	1.00	1.00	1.00	10.00	0.979	2.6E-16	8.4E-04	9.6E-24	1.0E-09	5.07E-13

Table 7 - Rule 291 Demonstration - Proposed Solidification

Air Permit to Install Exemption Demonstration

Reworld Solutions, LLC, Warren, Michigan

										291(2)(a)	291(2)(b)	291(2)(c)			
										Rule 291 Group	<=0.04- <2	<=.005- <.04	<.005	Other TACs w/SL	Other TACs no SL
	CAS	VOC	Emissions per Pit	Emissions per ton	Annual Emissions	ITSL	2nd ITSL	IRSL	AQD Footnote	LIMIT (tpy)	0.120	0.060	6.00E-03	5.00E+00	6.00E+00
										TOTAL	0.006	0.007	0.005	0.026	0.006
Compounds			lb/Pit	lb/ton Waste	tpy	ug/cm	ug/cm	ug/cm		Under 291 LIMITS	YES	YES	YES	YES	YES
Isophorone	78591	VOC	5.59E-04	3.55E-06	3.89E-04	280.00	-	3.70	-					X	
m-Dichlorobenzene	541731	VOC	5.43E-04	3.46E-06	3.78E-04	3.00	-	-	-					X	
2-butoxyethanol	111762	VOC	3.71E-04	2.36E-06	2.58E-04	1,600.00	-	-	10					X	
2-Chloropchenol	95578	VOC	5.12E-04	3.25E-06	3.56E-04	18.00	-	-	-					X	
tert-Butyl benzene	98066	VOC	4.59E-04	2.92E-06	3.20E-04	10.00	-	-	-					X	
1,2,4-Trimethylbenzene	95636	VOC	4.37E-04	2.78E-06	3.05E-04	185.00	1,200.00	-	14					X	
2,4,5-Trichlorophenol	95954	VOC	3.14E-04	2.00E-06	2.19E-04	350.00	-	-	-					X	
1,2-Dichlorobenzene	95501	VOC	4.36E-04	2.77E-06	3.03E-04	300.00	-	-	-					X	
p-Isopropyltoluene (p-Cymene)	99876	VOC	4.06E-04	2.58E-06	2.83E-04	10.00	-	-	-					X	
1,2,3-TRIMETHYL BENZENE	526738	VOC	3.97E-04	2.52E-06	2.76E-04	185.00	1,200.00	-	14					X	
N-Methyl-2-pyrrolidone	872504	VOC	2.59E-04	1.65E-06	1.81E-04	5,600.00	-	-	-					X	
Phosphoric Acid	7664382	--	2.23E-04	1.42E-06	1.55E-04	10.00	-	-	-					X	
n-Butyl benzene	104518	VOC	3.17E-04	2.02E-06	2.21E-04	30.00	-	-	-					X	
Mesityl Oxide	141797	VOC	2.84E-04	1.81E-06	1.98E-04	400.00	-	-	-					X	
Ethanolamine	141435	VOC	2.13E-04	1.36E-06	1.48E-04	80.00	-	-	-					X	
Cresol	1319773	VOC	2.90E-04	1.85E-06	2.02E-04	100.00	-	-	30					X	
Acetophenone	98862	VOC	2.95E-04	1.87E-06	2.05E-04	490.00	-	-	-					X	
o-Cresol	95487	VOC	2.96E-04	1.89E-06	2.06E-04	100.00	-	-	30					X	
Anthracene	120127	VOC	2.71E-04	1.72E-06	1.89E-04	1,000.00	-	-	-					X	
2,4-D	94757	VOC	1.33E-04	8.44E-07	9.24E-05	35.00	100.00	-	-					X	
sec-Butyl benzene	135988	VOC	1.73E-04	1.10E-06	1.20E-04	6.00	-	-	-					X	
o-Nitrophenol	88755	VOC	1.21E-04	7.68E-07	8.41E-05	18.00	-	-	-					X	
2,4-Dimethylphenol	105679	VOC	1.17E-04	7.46E-07	8.17E-05	70.00	-	-	-					X	
Phenol	108952	VOC	1.74E-04	1.11E-06	1.21E-04	190.00	-	-	-					X	
1,2,4-Trichlorobenzene	120821	VOC	1.11E-04	7.04E-07	7.71E-05	4.00	-	-	-					X	
Chloroacetic Acid	79118	VOC	1.24E-04	7.90E-07	8.65E-05	20.00	-	-	-					X	
2,4-Dichlorophenol	120832	VOC	1.04E-04	6.61E-07	7.24E-05	11.00	-	-	-					X	
p-Cresol	106445	VOC	9.62E-05	6.12E-07	6.70E-05	100.00	-	-	30					X	
Quinone	106514	VOC	8.80E-05	5.60E-07	6.13E-05	4.40	-	-	-					X	
Ethylene Glycol	107211	VOC	6.65E-05	4.23E-07	4.63E-05	4,700.00	-	-	-					X	
m-Cresol	108394	VOC	6.03E-05	3.84E-07	4.20E-05	100.00	-	-	30					X	
2,6-Dichlorophenol	87650	VOC	5.65E-05	3.59E-07	3.93E-05	3.80	-	-	-					X	
1,2,3-Trichlorobenzene	87616	VOC	4.51E-05	2.87E-07	3.14E-05	27.00	-	-	-					X	
Tri-n-butyl phosphate	126738	VOC	2.90E-05	1.84E-07	2.02E-05	22.00	-	-	-					X	
Dimethyl phthalate	131113	VOC	2.30E-05	1.46E-07	1.60E-05	50.00	-	-	-					X	
2,6-Dimethylphenol	576261	VOC	1.90E-05	1.21E-07	1.32E-05	2.00	-	-	-					X	
Phthalic anhydride	85449	VOC	8.09E-06	5.14E-08	5.63E-06	20.00	-	-	-					X	
ACENAPHTHYLENE	208968	VOC	8.06E-06	5.13E-08	5.62E-06	35.00	-	-	-					X	
2,4-Dinitrophenol	51285	VOC	5.87E-06	3.73E-08	4.09E-06	7.00	-	-	-					X	
Pentachloronitrobenzene	82688	VOC	3.47E-06	2.21E-08	2.41E-06	11.00	-	-	-					X	
4,6-Dinitro-o-cresol	534521	VOC	3.21E-06	2.04E-08	2.24E-06	2.00	-	-	-					X	
Dibenzofuran	132649	VOC	3.08E-06	1.96E-08	2.14E-06	40.00	-	-	-					X	
2-sec-Butyl-4,6-dinitrophenol/Dinoseb	88857	VOC	2.75E-06	1.75E-08	1.92E-06	4.00	-	-	-					X	
Butyric Acid	107926	VOC	2.67E-06	1.70E-08	1.86E-06	10.00	-	-	-					X	
2- Methylnaphthalene	91576	VOC	2.70E-06	1.72E-08	1.88E-06	10.00	-	-	-					X	
Dibutyl phthalate	84742	VOC	1.31E-06	8.36E-09	9.16E-07	50.00	-	-	-					X	
Fluorene	86737	VOC	8.61E-07	5.48E-09	6.00E-07	140.00	-	-	-					X	
Acenaphthene	83329	VOC	6.80E-07	4.33E-09	4.74E-07	210.00	-	-	-					X	
Fluoranthene	206440	VOC	5.42E-07	3.45E-09	3.78E-07	140.00	-	-	-					X	
DI-n-OCTYL PHTHALATE	117840	VOC	6.58E-08	4.19E-10	4.58E-08	470.00	-	-	-					X	
Pyrene	129000	VOC	1.75E-08	1.11E-10	1.22E-08	100.00	-	-	-					X	
Benzo(g,h,i)perylene	191242	VOC	3.23E-09	2.06E-11	2.25E-09	13.00	-	-	-					X	

Table 7 - Rule 291 Demonstration - Proposed Solidification

Air Permit to Install Exemption Demonstration  
Reworld Solutions, LLC, Warren, Michigan

	CAS	VOC	Density	Boiling Point	Vapor Pressure @ 60F	Molecular Weight (MV)	Diffusivity in air (Da)	Antoine Coefficients			Concentration	IWAIR Equations					
								A	B	C		Temerpature Corrected (Tcorr)	vapor/liquid equilibrium coefficient (Keq)	Effecticve Diffusivity (Deff)	volatilization rate of the compound (Kv )	Fraction of the VOCs emitted (femitted)	Mass Flux Rate (E) (per pit)
								compound	compound	compound		2-16	2-15	2-18	2-19	2-21	2-37
								compound	compound	compound		ppm	g/cm3 / g/cm3	cm^2/s	1/s	per time period	g/m^2-s
Compounds			g/cm3	C	mmHg	lb/lbmol	cm2/s										
BHC,alpha-	319846	VOC	1.18	288.00	4.50E-05	290.83	2.21E-02	1.00	1.00	1.00	10.00	0.979	1.3E-10	8.5E-04	4.6E-18	7.1E-07	3.50E-10
ALDRIN	309002	VOC	1.18	398.00	1.20E-04	364.90	1.96E-02	13.37	5,206.68	271.08	10.00	0.499	2.1E-10	7.5E-04	6.9E-18	8.7E-07	4.30E-10
Toxaphene	8001352	VOC	1.65	384.00	6.00E-06	414.00	2.17E-02	1.00	1.00	1.00	10.00	0.979	2.4E-11	8.3E-04	8.5E-19	3.1E-07	1.51E-10
DIELDRIN	60571	VOC	1.18	385.00	5.89E-06	380.90	1.92E-02	1.00	1.00	1.00	10.00	0.979	2.1E-11	7.4E-04	6.8E-19	2.7E-07	1.35E-10
Hexachlorobenzene	118741	VOC	2.04	322.00	1.09E-05	284.76	5.42E-02	9.55	3,250.00	203.00	10.00	0.479	1.5E-11	2.1E-03	1.3E-18	3.8E-07	1.87E-10
3,3-dichlorobenzidine	91941	VOC	1.00	368.00	6.82E-06	253.13	2.20E-02	9.88	4,484.97	273.16	10.00	0.554	9.3E-12	8.4E-04	3.4E-19	1.9E-07	9.54E-11
Benzo(b)fluoranthene	205992	VOC	Natural Gas Co	358.00	5.70E-07	252.32	2.26E-02	1.00	1.00	1.00	10.00	0.979	1.4E-12	8.7E-04	5.1E-20	7.5E-08	3.71E-11
3- Methylchloranthrene	56495	VOC	1.02	387.00	9.99E-07	268.36	3.83E-02	13.17	6,643.00	273.15	10.00	0.417	1.1E-12	1.5E-03	6.9E-20	8.7E-08	4.30E-11
Benzo(a)pyrene	50328	VOC	Natural Gas Co	495.00	5.49E-09	252.32	4.30E-02	1.00	1.00	1.00	10.00	0.979	1.3E-14	1.7E-03	9.4E-22	1.0E-08	5.02E-12
7,12-Dimethylbenz(a)anthracene	57976	VOC	Natural Gas Co	477.00	2.80E-09	256.34	3.90E-02	1.00	1.00	1.00	10.00	0.979	6.9E-15	1.5E-03	4.4E-22	7.0E-09	3.44E-12
Dibenzo(a,h)anthracene	53703	VOC	1.28	524.00	9.55E-10	278.36	2.36E-02	1.00	1.00	1.00	10.00	0.979	2.5E-15	9.1E-04	9.9E-23	3.3E-09	1.63E-12
Benzo(k)fluoranthene	207089	VOC	Natural Gas Co	480.00	9.59E-11	252.32	2.26E-02	1.00	1.00	1.00	10.00	0.979	2.3E-16	8.7E-04	8.6E-24	9.8E-10	4.81E-13
Indeno(1,2,3-cd)pyrene	193395	VOC	Natural Gas Co	536.00	1.01E-10	276.34	1.90E-02	1.00	1.00	1.00	10.00	0.979	2.7E-16	7.3E-04	8.4E-24	9.6E-10	4.74E-13
Benz(a)anthracene	56553	VOC	1.11	438.00	1.97E-10	228.30	5.10E-02	8.42	3,158.70	176.02	10.00	0.397	1.7E-16	2.0E-03	1.5E-23	1.3E-09	6.28E-13
Chrysene	218019	VOC	1.11	448.00	8.20E-12	228.30	2.48E-02	7.31	2,609.83	148.44	10.00	0.358	6.5E-18	9.5E-04	2.7E-25	1.7E-10	8.47E-14
Acrylamide	79061	VOC	1.12	192.00	7.00E-03	71.08	9.70E-02	11.30	3,940.00	273.00	10.00	0.595	2.9E-09	3.7E-03	4.6E-16	7.1E-06	3.52E-09
2,4-Dinitrotoluene	121142	VOC	1.31	321.00	2.00E-04	182.14	2.03E-01	7.98	3,070.00	280.00	10.00	0.680	2.4E-10	7.8E-03	8.1E-17	3.0E-06	1.47E-09
Pentachlorophenol	87865	VOC	1.98	310.00	1.10E-04	266.34	5.60E-02	1.00	1.00	1.00	10.00	0.979	2.8E-10	2.2E-03	2.6E-17	1.7E-06	8.34E-10
PCB AROCLOR 1016 (monochlorobipheny	1336363	VOC	1.19	349.00	4.05E-05	360.86	2.28E-02	1.00	1.00	1.00	10.00	0.979	1.4E-10	8.8E-04	5.3E-18	7.6E-07	3.76E-10
PCB AROCLOR 1221 (monochlorobiphen	1336363	VOC	1.19	349.00	4.05E-05	360.86	2.28E-02	1.00	1.00	1.00	10.00	0.979	1.4E-10	8.8E-04	5.3E-18	7.6E-07	3.76E-10
PCB AROCLOR 1232 (dichlorobipheny	1336363	VOC	1.19	349.00	4.05E-05	360.86	2.28E-02	1.00	1.00	1.00	10.00	0.979	1.4E-10	8.8E-04	5.3E-18	7.6E-07	3.76E-10
PCB AROCLOR 1242 (trichlorobiphen	1336363	VOC	1.19	349.00	4.05E-05	360.86	2.28E-02	1.00	1.00	1.00	10.00	0.979	1.4E-10	8.8E-04	5.3E-18	7.6E-07	3.76E-10
PCB AROCLOR 1248 (quatrochlorobiphe	1336363	VOC	1.19	349.00	4.05E-05	360.86	2.28E-02	1.00	1.00	1.00	10.00	0.979	1.4E-10	8.8E-04	5.3E-18	7.6E-07	3.76E-10
PCB AROCLOR 1254 (pentachlorobiphen	1336363	VOC	1.19	349.00	4.05E-05	360.86	2.28E-02	1.00	1.00	1.00	10.00	0.979	1.4E-10	8.8E-04	5.3E-18	7.6E-07	3.76E-10
PCB AROCLOR 1260 (hexachlorobiphen	1336363	VOC	1.19	349.00	4.05E-05	360.86	2.28E-02	1.00	1.00	1.00	10.00	0.979	1.4E-10	8.8E-04	5.3E-18	7.6E-07	3.76E-10
PCBS	1336363	VOC	1.19	349.00	4.05E-05	360.86	2.28E-02	1.00	1.00	1.00	10.00	0.979	1.4E-10	8.8E-04	5.3E-18	7.6E-07	3.76E-10
Chlordane	57749	VOC	1.11	391.00	9.70E-06	409.76	1.79E-02	1.00	1.00	1.00	10.00	0.979	3.8E-11	6.9E-04	1.1E-18	3.5E-07	1.74E-10
p,p?-DDE	72559	VOC	1.41	336.00	6.50E-06	318.03	2.38E-02	1.00	1.00	1.00	10.00	0.979	2.0E-11	9.1E-04	7.8E-19	2.9E-07	1.44E-10
Ethylene thiourea	96457	VOC	1.15	347.00	2.02E-06	102.60	8.02E-02	1.00	1.00	1.00	10.00	0.979	2.0E-12	3.1E-03	2.6E-19	1.7E-07	8.39E-11
DDD,p,p'-	72548	VOC	1.39	350.00	1.35E-06	320.04	2.27E-02	1.00	1.00	1.00	10.00	0.979	4.1E-12	8.7E-04	1.6E-19	1.3E-07	6.45E-11
4,4'-Methylenedianiline	101779	VOC	1.08	399.00	2.03E-07	192.27	2.70E-02	1.00	1.00	1.00	10.00	0.979	3.7E-13	1.0E-03	1.7E-20	4.3E-08	2.11E-11
DDT	50293	VOC	1.18	383.00	1.50E-07	354.49	1.99E-02	10.86	4,492.49	236.14	10.00	0.462	2.4E-13	7.6E-04	7.9E-21	2.9E-08	1.45E-11
1-Methylnaphthalene	90120	VOC	-	195.00	5.39E-02	142.19	5.27E-02	1.00	1.00	1.00	10.00	0.979	7.3E-08	2.0E-03	6.4E-15	2.6E-05	1.31E-08
Hexachlorocyclopentadiene	77474	VOC	1.70	239.00	6.00E-02	272.77	2.79E-02	8.42	2,830.00	273.00	10.00	0.689	1.1E-07	1.1E-03	5.1E-15	2.4E-05	1.17E-08
Naphthalene	91203	VOC	1.14	218.00	5.00E-02	128.17	5.90E-02	7.37	1,970.00	223.00	10.00	0.686	4.3E-08	2.3E-03	4.2E-15	2.1E-05	1.06E-08
Diethanolamine	111422	VOC	1.09	269.00	1.00E-02	105.14	7.64E-02	1.00	1.00	1.00	10.00	0.979	1.0E-08	2.9E-03	1.3E-15	1.2E-05	5.83E-09
2,4,6-Trichlorophenol	88062	VOC	1.00	245.00	7.30E-03	197.46	2.61E-02	1.00	1.00	1.00	10.00	0.979	1.4E-08	1.0E-03	5.9E-16	8.1E-06	3.99E-09
Biphenyl	92524	VOC	1.18	254.00	2.05E-02	154.20	4.04E-02	7.25	1,998.72	202.74	10.00	0.635	2.0E-08	1.6E-03	1.3E-15	1.2E-05	5.92E-09
Hexachloroethane	67721	VOC	2.09	186.00	4.00E-01	236.74	2.50E-03	7.23	1,350.00	133.00	10.00	0.526	4.9E-07	9.6E-05	2.0E-15	1.5E-05	7.34E-09
TETRACHLOROBENZENE(1,2,4,5)	95943	VOC	1.86	245.00	5.40E-03	215.90	3.19E-02	7.38	2,054.22	211.49	10.00	0.649	7.4E-09	1.2E-03	3.9E-16	6.5E-06	3.23E-09
HDI (Hexamethylene-1,6-diisocyanate	822060	VOC	1.04	255.00	5.00E-02	168.20	1.00E-03	1.00	1.00	1.00	10.00	0.979	8.0E-08	3.8E-05	1.3E-16	3.8E-06	1.89E-09
Phenanthrene	85018	VOC	1.18	340.00	2.00E-04	178.22	3.75E-02	1.00	1.00	1.00	10.00	0.979	3.4E-10	1.4E-03	2.1E-17	1.5E-06	7.52E-10
p-Nitrophenol	100027	VOC	1.40	279.00	7.30E-05	139.11	6.25E-02	1.00	1.00	1.00	10.00	0.979	9.7E-11	2.4E-03	1.0E-17	1.1E-06	5.18E-10
Methylene Diphenyl Diisocyanate (MDI)	101688	VOC	1.15	316.00	5.00E-06	236.00	1.00E-03	1.00	1.00	1.00	10.00	0.979	1.1E-11	3.8E-05	1.9E-20	4.5E-08	2.24E-11
Di(2-ethylhexyl) phthalate	117817	VOC	0.98	384.00	1.54E-09	390.56	3.56E-02	1.00	1.00	1.00	10.00	0.979	5.7E-15	1.4E-03	3.4E-22	6.1E-09	3.01E-12

Table 7 - Rule 291 Demonstration - Proposed Solidification

Air Permit to Install Exemption Demonstration

Reworld Solutions, LLC, Warren, Michigan

										291(2)(a)	291(2)(b)	291(2)(c)			
										Rule 291 Group	<=0.04- <2	<=.005- <.04	<.005	Other TACs w/SL	Other TACs no SL
	CAS	VOC	Emissions per Pit	Emissions per ton	Annual Emissions	ITSL	2nd ITSL	IRSL	AQD Footnote	LIMIT (tpy)	0.120	0.060	6.00E-03	5.00E+00	6.00E+00
										TOTAL	0.006	0.007	0.005	0.026	0.006
Compounds			lb/Pit	lb/ton Waste	tpy	ug/cm	ug/cm	ug/cm		Under 291 LIMITS	YES	YES	YES	YES	YES
BHC,alpha-	319846	VOC	2.23E-06	1.42E-08	1.55E-06	-	-	0.00	-				X		
ALDRIN	309002	VOC	2.74E-06	1.74E-08	1.91E-06	-	-	0.00	-				X		
Toxaphene	8001352	VOC	9.63E-07	6.12E-09	6.70E-07	-	-	0.00	-				X		
DIELDRIN	60571	VOC	8.60E-07	5.47E-09	5.99E-07	-	-	0.00	-				X		
Hexachlorobenzene	118741	VOC	1.19E-06	7.57E-09	8.28E-07	0.35	-	0.00	-				X		
3,3-dichlorobenzidine	91941	VOC	6.08E-07	3.87E-09	4.23E-07	-	-	0.00	-				X		
Benzo(b)fluoranthene	205992	VOC	2.36E-07	1.50E-09	1.65E-07	-	-	-	5				X		
3- Methylchloranthrene	56495	VOC	2.74E-07	1.74E-09	1.91E-07	-	-	-	5				X		
Benzo(a)pyrene	50328	VOC	3.20E-08	2.04E-10	2.23E-08	0.00	-	0.001	5				X		
7,12-Dimethylbenz(a)anthracene	57976	VOC	2.19E-08	1.40E-10	1.53E-08	-	-	-	5				X		
Dibenzo(a,h)anthracene	53703	VOC	1.04E-08	6.61E-11	7.23E-09	-	-	-	5				X		
Benzo(k)fluoranthene	207089	VOC	3.07E-09	1.95E-11	2.14E-09	-	-	-	5				X		
Indeno(1,2,3-cd)pyrene	193395	VOC	3.02E-09	1.92E-11	2.10E-09	-	-	-	5				X		
Benz(a)anthracene	56553	VOC	4.00E-09	2.55E-11	2.79E-09	-	-	-	5				X		
Chrysene	218019	VOC	5.40E-10	3.43E-12	3.76E-10	-	-	-	5				X		
Acrylamide	79061	VOC	2.24E-05	1.43E-07	1.56E-05	6.00	-	0.01	-			X			
2,4-Dinitrotoluene	121142	VOC	9.39E-06	5.97E-08	6.54E-06	2.00	-	0.01	-			X			
Pentachlorophenol	87865	VOC	5.31E-06	3.38E-08	3.70E-06	20.00	-	0.01	-			X			
PCB AROCLOR 1016 (monochlorobipheny	1336363	VOC	2.39E-06	1.52E-08	1.67E-06	-	-	0.01	8		X	X			
PCB AROCLOR 1221 (monochlorobiphen	1336363	VOC	2.39E-06	1.52E-08	1.67E-06	-	-	0.01	8		X	X			
PCB AROCLOR 1232 (dichlorobipheny	1336363	VOC	2.39E-06	1.52E-08	1.67E-06	-	-	0.01	8		X	X			
PCB AROCLOR 1242 (trichlorobiphen	1336363	VOC	2.39E-06	1.52E-08	1.67E-06	-	-	0.01	8		X	X			
PCB AROCLOR 1248 (quatrochlorobiphe	1336363	VOC	2.39E-06	1.52E-08	1.67E-06	-	-	0.01	8		X	X			
PCB AROCLOR 1254 (pentachlorobiphen	1336363	VOC	2.39E-06	1.52E-08	1.67E-06	-	-	0.01	8		X	X			
PCB AROCLOR 1260 (hexachlorobiphen	1336363	VOC	2.39E-06	1.52E-08	1.67E-06	-	-	0.01	8		X	X			
PCBS	1336363	VOC	2.39E-06	1.52E-08	1.67E-06	-	-	0.01	8			X			
Chlordane	57749	VOC	1.11E-06	7.03E-09	7.70E-07	0.70	-	0.01	-			X			
p,p?-DDE	72559	VOC	9.20E-07	5.85E-09	6.40E-07	-	-	0.01	12			X			
Ethylene thiourea	96457	VOC	5.35E-07	3.40E-09	3.72E-07	0.28	-	0.01	-			X			
DDD,p,p'-	72548	VOC	4.11E-07	2.61E-09	2.86E-07	-	-	0.01	12			X			
4,4'-Methylenedianiline	101779	VOC	1.35E-07	8.56E-10	9.37E-08	-	-	0.02	-			X			
DDT	50293	VOC	9.26E-08	5.89E-10	6.45E-08	-	-	0.01	12			X			
1-Methylnaphthalene	90120	VOC	8.33E-05	5.30E-07	5.80E-05	250.00	-	0.14	-		X				
Hexachlorocyclopentadiene	77474	VOC	7.43E-05	4.73E-07	5.18E-05	0.20	-	-	-		X				
Naphthalene	91203	VOC	6.75E-05	4.29E-07	4.70E-05	3.00	520.00	0.08	-		X				
Diethanolamine	111422	VOC	3.72E-05	2.36E-07	2.59E-05	0.20	10.00	-	13		X				
2,4,6-Trichlorophenol	88062	VOC	2.54E-05	1.62E-07	1.77E-05	-	-	0.30	-		X				
Biphenyl	92524	VOC	3.77E-05	2.40E-07	2.63E-05	13.00	-	0.43	-		X				
Hexachloroethane	67721	VOC	4.67E-05	2.97E-07	3.26E-05	30.00	1,600.00	0.10	13		X				
TETRACHLOROBENZENE(1,2,4,5)	95943	VOC	2.06E-05	1.31E-07	1.43E-05	1.00	-	-	-		X				
HDI (Hexamethylene-1,6-diisocyanate	822060	VOC	1.20E-05	7.65E-08	8.37E-06	0.20	0.30	-	-		X				
Phenanthrene	85018	VOC	4.79E-06	3.05E-08	3.34E-06	0.10	-	-	-		X				
p-Nitrophenol	100027	VOC	3.30E-06	2.10E-08	2.30E-06	0.70	-	-	-		X				
Methylene Diphenyl Diisocyanate (MDI)	101688	VOC	1.42E-07	9.06E-10	9.92E-08	0.60	-	-	-		X				
Di(2-ethylhexyl) phthalate	117817	VOC	1.92E-08	1.22E-10	1.33E-08	70.00	-	0.61	-		X				

# Attachment 1

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# UNTHA

The reliable brand!



The pioneer when it comes to the single-pass shredding of waste

## XRC CLASS

Single-shaft shredder for efficient coarse, medium and fine shredding of different material flows



## Table of contents

<b>XR</b> stationary	3
<b>XR</b> mobil-e	9
<b>XR</b> System solution	13
<b>XR</b> Top benefits	16
<b>XR</b> Technical data	20

## XR Class built to perform

### Maximum productivity

Highest possible performance and flexibility and even greater reliability when it comes to shredding different materials: these are the benefits we have achieved through our ongoing development of the XR class. Thanks to numerous innovative features, the unit is now even more adaptable to specific customer requirements.

For more information on performance, see here:



### The highlights

- » **Maximum performance:** High throughput rate and maximum availability
- » **Powerful shredding:** Issue-free shredding even of difficult materials
- » **Highly versatile:** A single machine for different material flows
- » **Low energy cost:** Tangible savings thanks to UNTHA Eco Power Drive
- » **Efficient maintenance:** Minimal downtime thanks to low-maintenance components
- » **Suitable for mobile use:** Maximum flexibility on your premises

### Suitable for:



Commercial and industrial waste



Domestic waste



Bulky waste



Waste wood



Pulper ropes



Metal



Plastic bales



**XR** stationary

# Your benefits at a glance

## Energy-saving UNTHA Eco Power Drive

Drive system with energy efficient UNTHA Eco Power Drive ensures unprecedentedly low energy use at higher performance compared to standard drive types. The wear-free direct drive reduces maintenance costs as belts or shaft stubs are not required. The load-dependent speed control ensures a high throughput rate.

## Robust feed hopper

3-sided hopper for loading with a wheel loader or 4-sided hopper for higher filling volumes and loading with material handlers or conveyors.

## Ergonomic maintenance

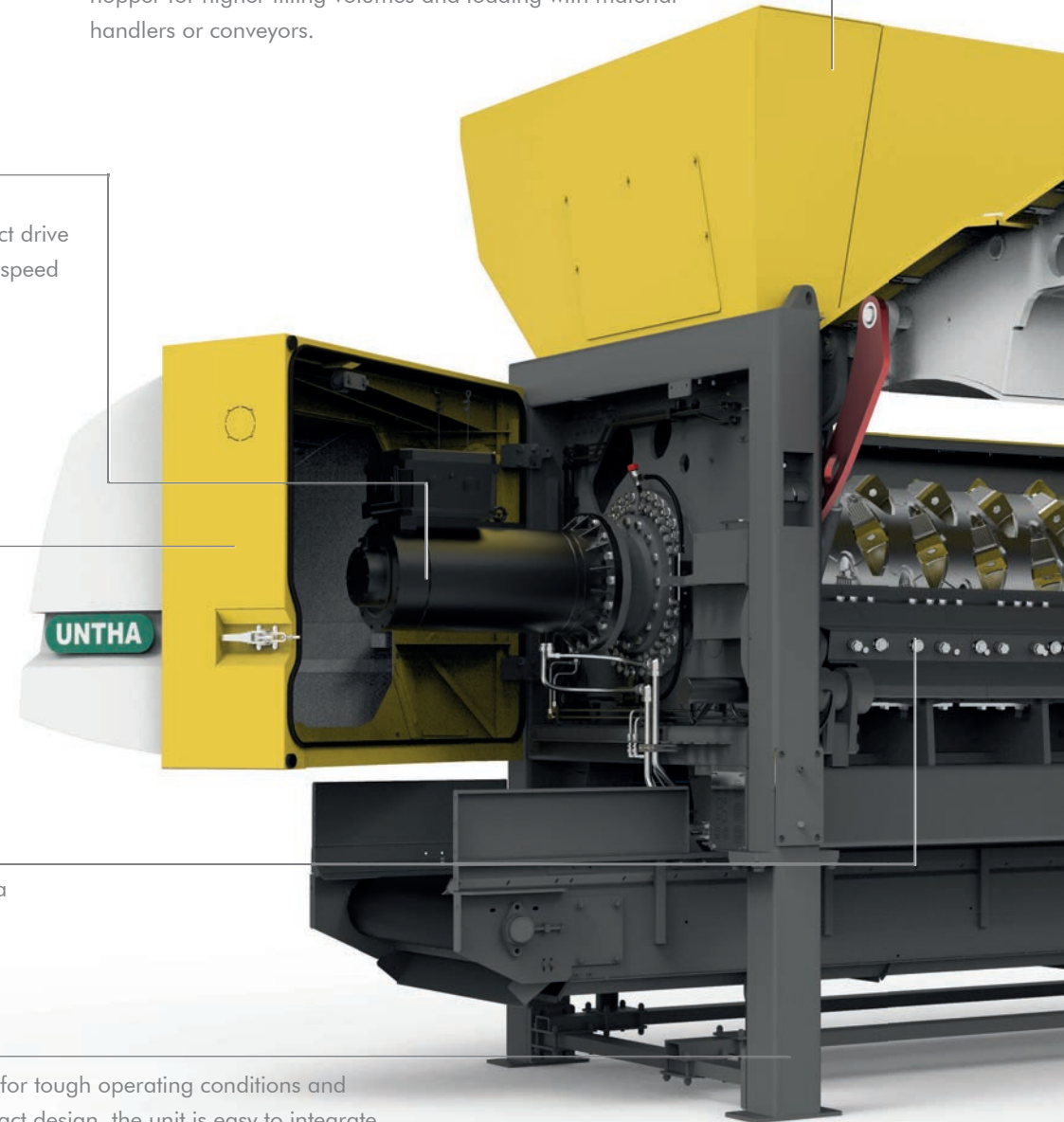
Thanks to the carefully considered machine design, operators are able to work comfortably, speedily and safely and in an upright position.

## Defined fraction size

Screening bars or a perforated screen ensure a homogeneous, defined fraction size.

## Robust steel frame construction

Warp-resistant, solid profile tubes are ideal for tough operating conditions and low-vibration operation. Thanks to its compact design, the unit is easy to integrate into existing plants. The low filling level enables loading with a wheel loader.



Sample image XR3000

## Effective cutting systems

RC, C and XC cutting system for different requirements and materials. All cutters and stator blades are reusable and easy to exchange.

### Internal pusher system

Ensures continuous material intake, in particular when processing bulky materials.



### Automatic central lubrication

Makes for longer maintenance intervals and reduces servicing requirements.

### Efficient discharge system for extraneous matter

Enables the speedy removal of extraneous matter from the cutting chamber.

### Adjustable cutting bars

The cutting gap can be adjusted from the outside without opening the maintenance flap.



### High level of user-friendliness

Machine is operated via a 7" colour touch display.

## Options

### Extras

- » **Safety coupling:** Protects the cutting system and the power train by means of a precise torque limit at higher speeds
- » **Quick-change screen system:** Straight-forward, time-efficient change of the screen by a single person
- » **Hard surfacing of the rotor:** Significantly increases rotor availability with abrasive materials
- » **Radio remote control:** Hassle free machine operation from different locations
- » **Waste wood package:** Ensures the optimal processing of waste wood

### Services

- » **UNTHA GENIUS:** A condition monitoring tool which helps monitor, measure and optimise shredder productivity, in real-time, from an operator's smartphone, tablet or PC – irrespective of location
- » **UNTHA Carefree Packages (Basic, Standard, Professional):** Ensure that machines are technically sound and ready for use at all times

For more information on structure and functionalities, see here:



# The right cutting system for any requirement

Depending on the material and fraction size, several cutting systems with different blade shapes are available with the RC, C and XC system. The cutting systems allow fraction sizes from 25 to 300 mm. Depending on the material and the diameter of the perforated screen, the throughput rate varies between

10 t/h and 70 t/h. The cutters are reached through the maintenance flap and may be loosened easily via a screw connection. Extraneous matter may be removed easily and quickly through the dedicated exit door. The cutting gap for all cutting systems may be adjusted from the outside, ensuring a perfect

shredding result. The optional hard surfacing of the rotor significantly increases the lifespan of the rotors with abrasive materials.

## Reliable pre-shredding

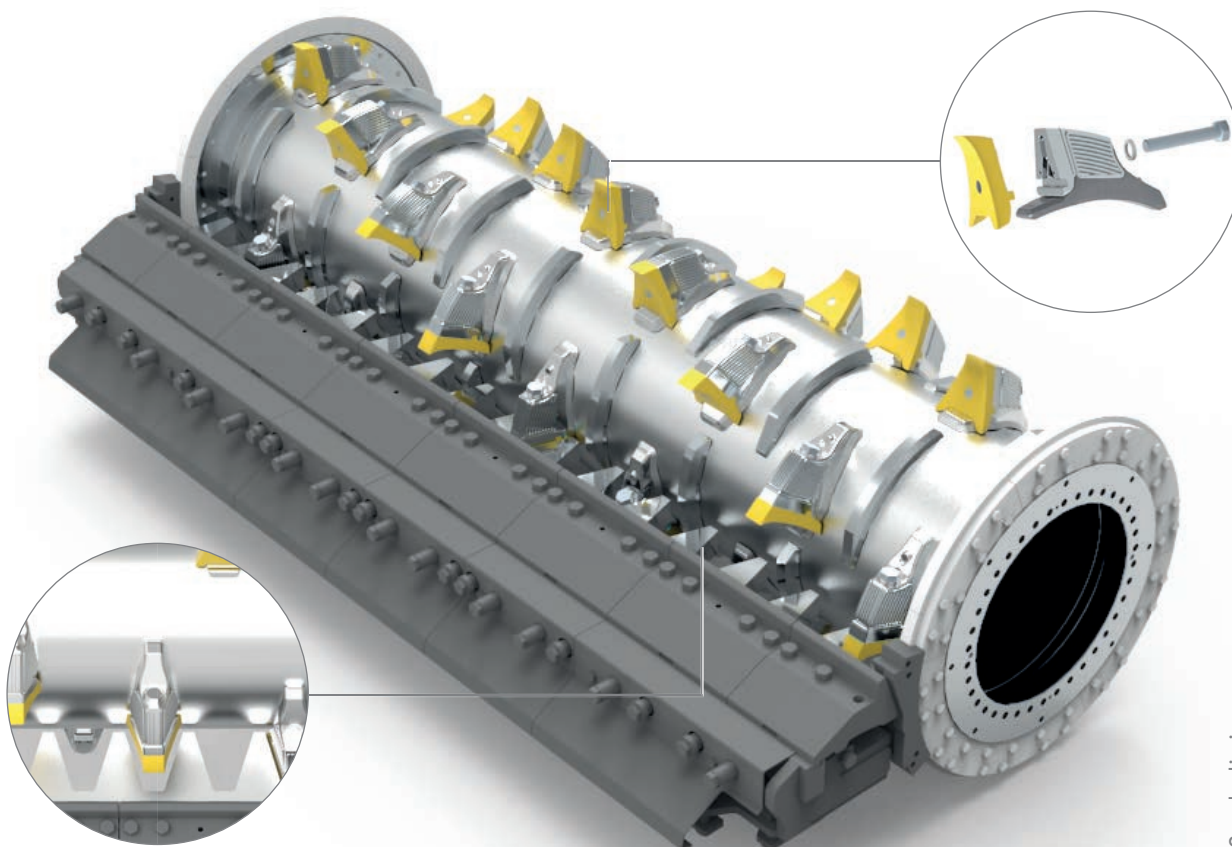
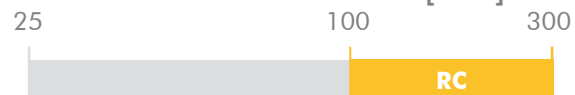
### RC cutting system

The RC cutting system was specifically developed for the coarse pre-shredding of different material flows and for high throughput rates of up to 70 t/h. The purpose-built shape of the blades ensures a particularly aggressive intake behaviour for the material. The cutters and the stator bar may be welded on again at the end of the service life.

#### Materials:

- » Commercial and industrial waste
- » Domestic waste
- » Bulky waste
- » Waste wood and pallets
- » Production waste
- » Plastic bales
- » and much more

#### Obtainable fraction sizes [mm]:



Symbolic image

# Efficient medium shredding

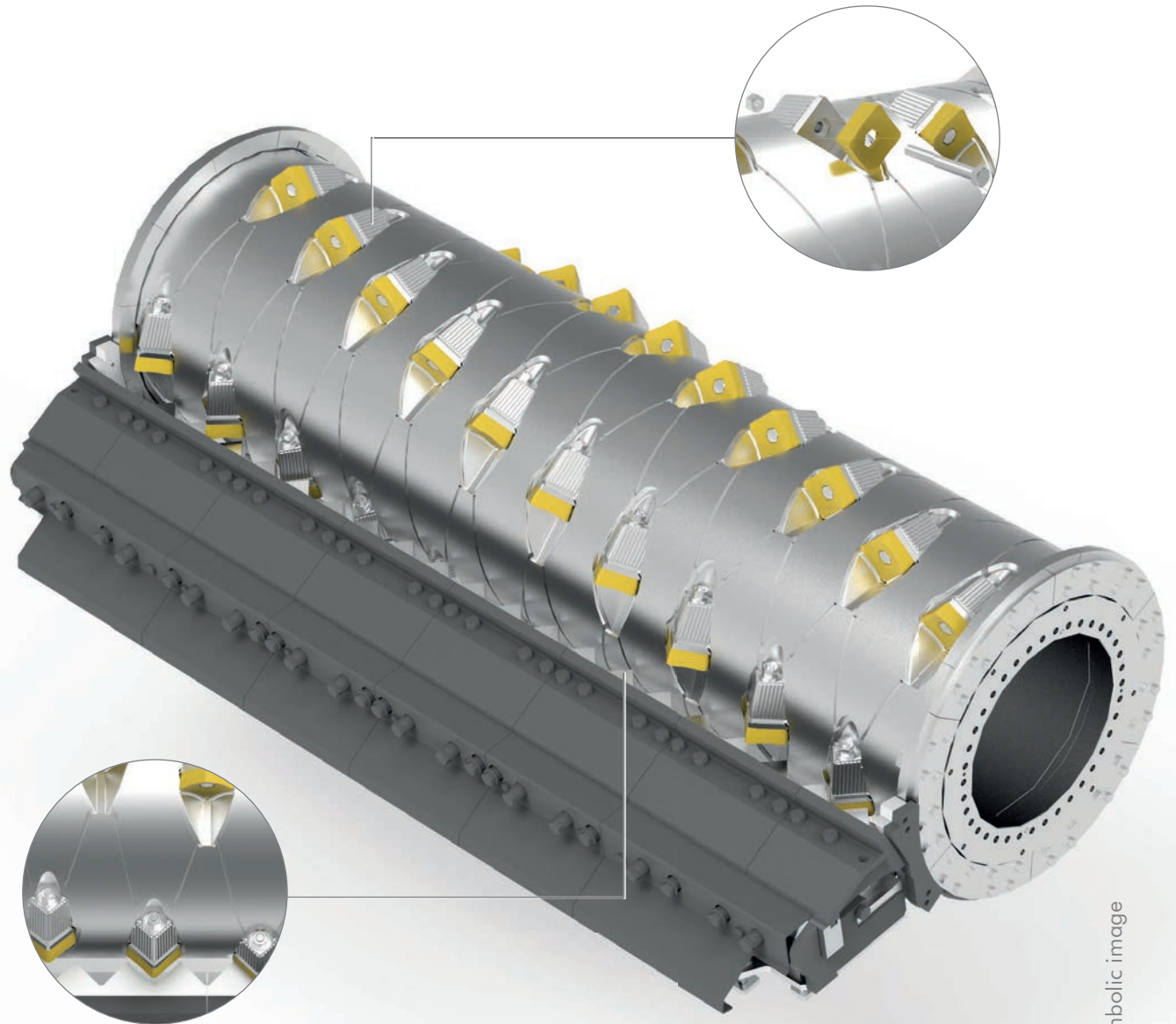
## C cutting system

The C cutting system was developed for the single-pass shredding of different material flows to a defined fraction size. Depending on the requirements and the diameter of the perforated screen, up to four rows of blades on the rotor ensure high throughput rates. The indexable inserts and stator bars may be used in four different ways and are easy and quick to replace.

### Materials:

- » Commercial and industrial waste
- » Domestic waste
- » Bulky waste
- » Waste wood and pallets
- » Pulper ropes
- » Production waste
- » Plastic bales
- » Scrap aluminium
- » Sheet metals
- » Aluminium/PVC window profiles
- » Cables
- » Electronic waste
- » Mechanic-biological waste
- » Tyres
- » and much more

### Obtainable fraction sizes [mm]:



# Perfect post-shredding

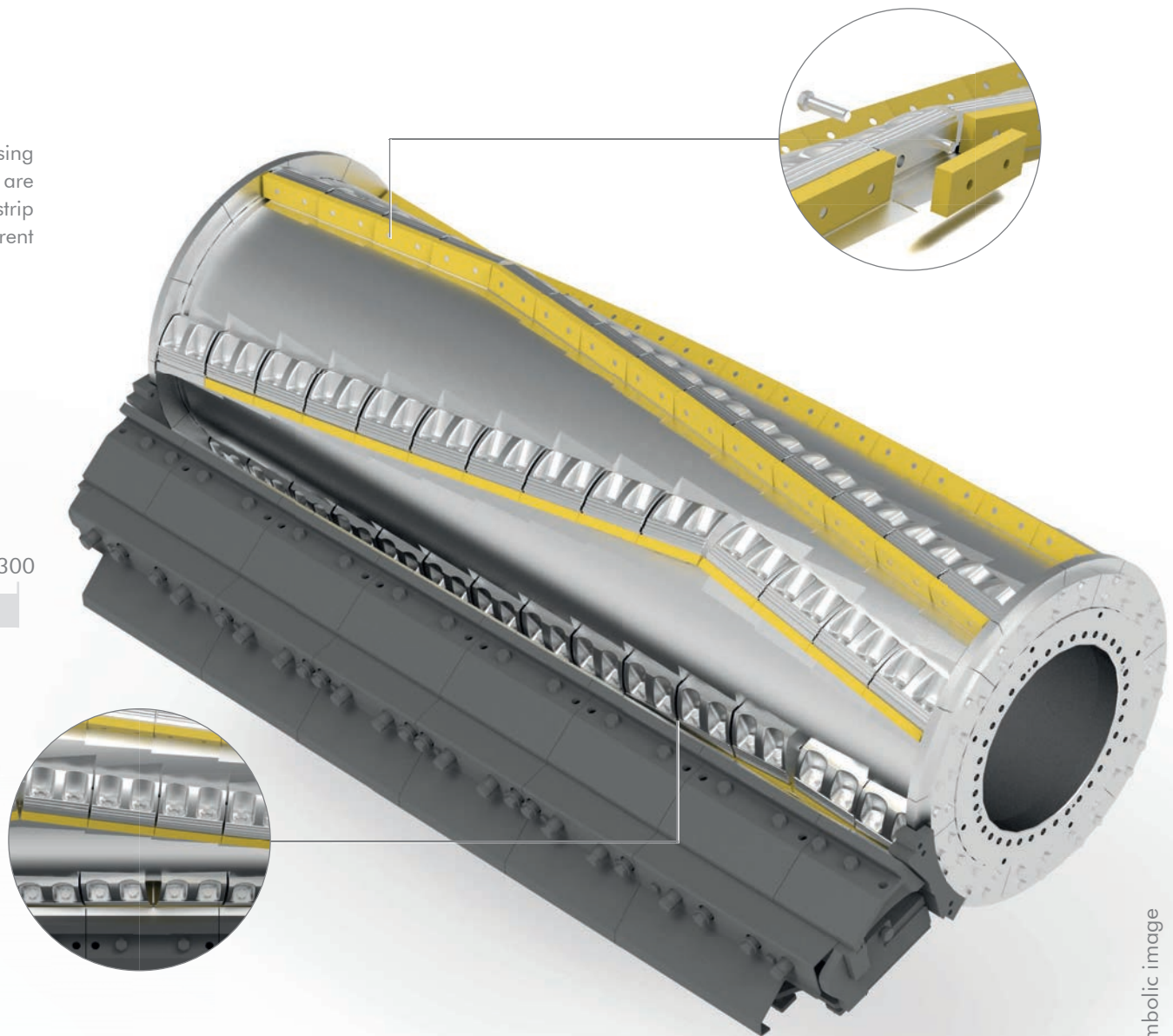
## XC cutting system

The XC cutting system was designed for processing pre-treated or Fe-separated materials that are destined for material or thermal recovery. The strip cutters and stator bars may be used in four different ways and are easy and quick to exchange.

### Materials:

- » Pre-treated or Fe-separated material flows of all kinds

### Obtainable fraction sizes [mm]:



Symbolic image



**XR** mobil-e

# Your benefits at a glance

## Energy saving UNTHA Eco Power Drive

Drive system with water-cooled synchronous engine ensures unprecedentedly low energy use at higher performance compared to standard drive types. The wear-free direct drive reduces maintenance costs as belts or shaft stubs are not required. The load-dependent speed control ensures a high throughput rate.



### Compact petrol and hydraulic power unit

A compact, energy efficient petrol engine produces the required energy for the crawler-type undercarriage by means of a generator.



### Highly user- and maintenance-friendly

Machine is operated via a 7" colour touch display. Thanks to the thought-out machine design, operators are able to work comfortably, speedily and safely and in an upright position.



### Quick-lock power plug

The machine may be connected easily and safely to the external power supply.



## Height-adjustable material conveyor belt

A high-performance conveyor belt ensures the smooth removal of material. The discharge height may be adjusted easily via the operating terminal.

## Effective water-cooling system

Protects drive motors, frequency converters, hydraulic systems and control cabinets against overheating.



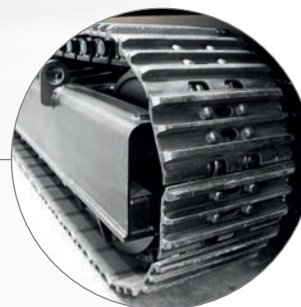
## Tried-and-tested magnetic separator

A permanent overbelt magnet reliably separates iron-containing materials from the material flow.



## Reliable crawler-type undercarriage

A crawler-type undercarriage ensures that the shredder may be positioned at any location by means of a user-friendly radio control unit.



## Options

### Extras

- » Fire protection system to prevent fires from spreading
- » Additional flame detector for the feed hopper
- » Crawler-type undercarriage with rubber coating

### Services

- » **UNTHA GENIUS:** A condition monitoring tool which helps monitor, measure and optimise shredder productivity, in real-time, from an operator's smartphone, tablet or PC – irrespective of location.
- » **UNTHA Carefree Packages (Basic, Standard, Professional):** Ensure that machines are technically sound and ready for use at all times.

For more information on structure and functionalities, see here:





## Electro-mechanical drive and yet fully mobile

Like all the XR products, the XR3000 mobil-e also comes with the energy efficient UNTHA Eco Power Drive. You can rest assured that your operating costs will be minimised and your throughput and material quality maximised. The highlight: As opposed to conventional diesel-operated, energy-consuming, environmentally damaging, noisy and high-maintenance mobile units, the XR3000 mobil-e has a cost-effective, electric drive.

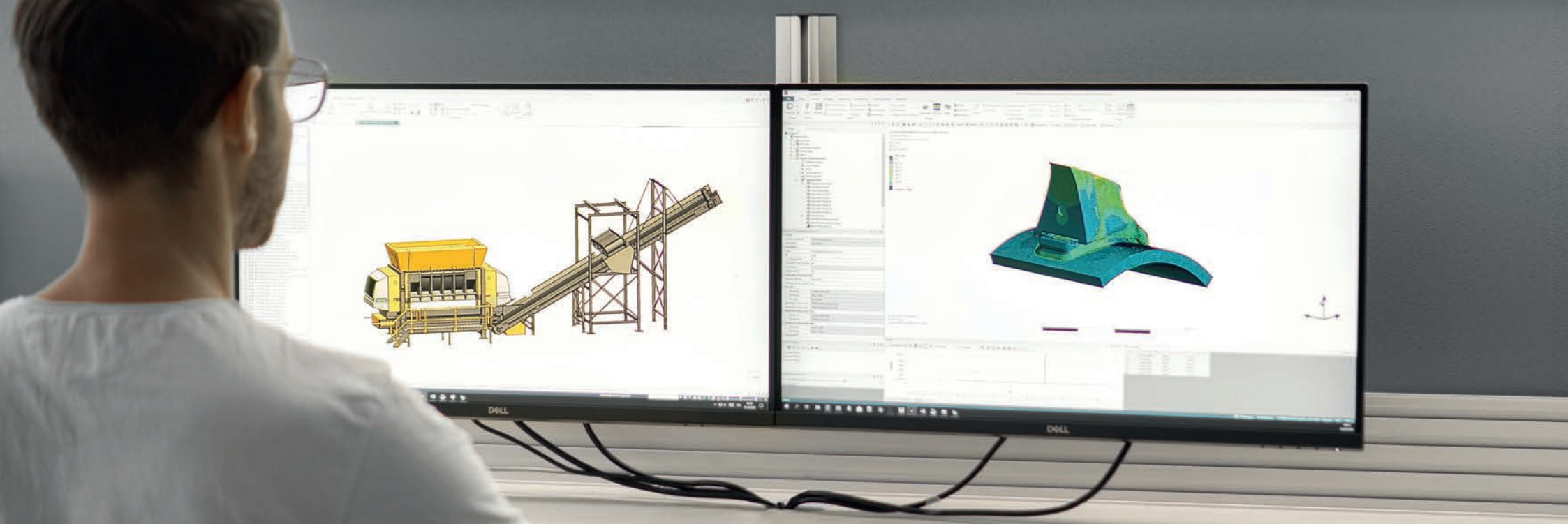
The combination of a crawler-type undercarriage and a small petrol engine ensures optimal mobility. Using a radio control unit, the XR3000 mobil-e may be manoeuvred to any location and is then re-connected to the power supply using a quick-lock power plug. A height-adjustable material conveyor belt and an optional magnetic separator provide everything you need for the efficient operation of a mobile shredding system.

### Your benefits at a glance:

- » Up to 75% lower energy costs compared to diesel-operated mobile units
- » No exhaust emissions
- » Single-pass shredding solution for a homogeneous, defined fraction size
- » Flexibility in choosing a location for the unit on your premises
- » Low noise level
- » Low operating and maintenance costs
- » Remote maintenance
- » State-of-the-art, sustainable machine concept



**XR** System



## Complete turnkey solutions from a single source

UNTHA shredding technology offers complete turnkey solutions for single-pass shredding. Low investment, compact design and low operating and maintenance costs make this solution particularly attractive. It is also extremely versatile and can be used for the processing of industrial and commercial waste as well as metals, pulper ropes, bulky waste or waste wood, delivering particle sizes of 25 to 300 mm in a single shredding phase.

High-quality individual components that are perfectly coordinated ensure maximum availability of the overall system. The individual components and the shredder are easy and comfortable to operate via a central operating console.

Our highly competent project managers are at your disposal for reliable and efficient project completion, from the planning and project execution phase all the way to the successful commissioning of your facility.

### Your benefits at a glance:

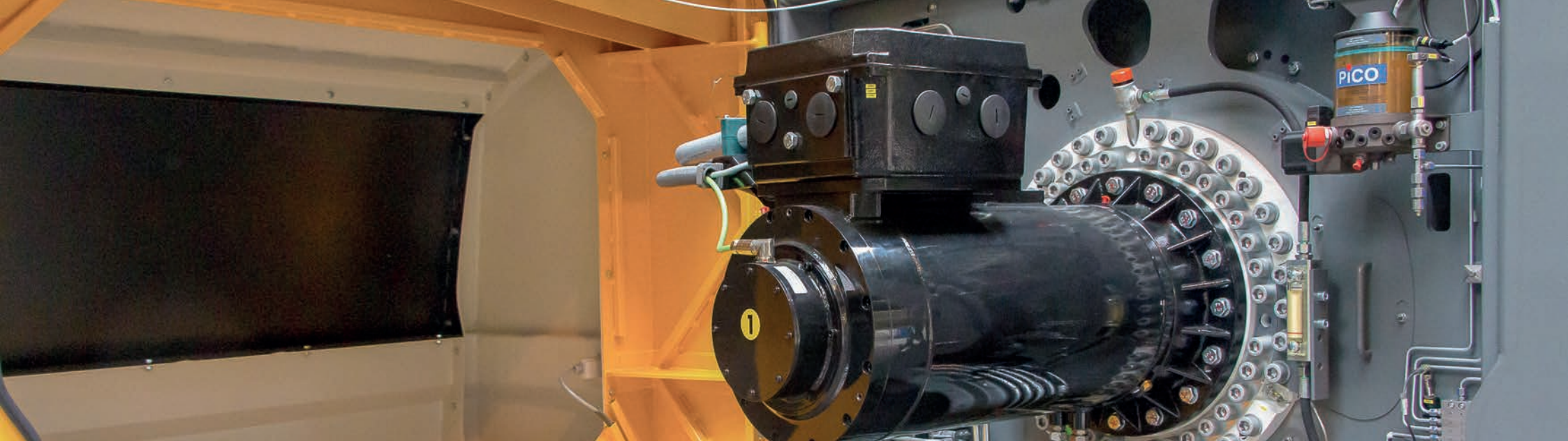
- » Speedy, hassle-free installation of the complete solution on site
- » High level of availability thanks to the use of high-grade individual components
- » Easy operation of the complete system via a centralised operating console
- » Easy integration in existing plant concepts

## System solution, including components, at a glance





**XR** Top benefits



## UNTHA Eco Power Drive

More performance, tough inside and out, and yet economical: that's the UNTHA Eco Power Drive in a nutshell, and that's what makes it one of the most powerful and efficient drive systems in the world.

### Innovative

This highly efficient direct drive consists of high-torque synchronous motors and a planetary gear that is integrated in the rotor. No other drive concept offers this much power and throughput when it comes to shredding. In addition, the system is resistant towards extraneous matter and extremely quiet.

### Powerful

Power by name, power by nature. The load-dependent speed control ensures the continuous, automatic adjustment of torque and speed, ensuring

high throughput rates for a wide range of different materials.

### Economical

The high efficiency level of the water-cooled drive motors translates into tangible savings: with the UNTHA Eco Power Drive, energy costs are up to 75% lower than with conventional hydraulic drive concepts. The wear-free direct drive reduces maintenance costs as belts or shaft stubs are not required. It goes without saying that the UNTHA Eco Power Drive fulfils the requirements of the highest energy efficiency class IE4 (Super Premium Efficiency).

### Flexible

Depending on the material requirements, the drive may be designed for combination with different gear

ratios: low gear ratio for tough applications, high gear ratio for high throughput rates with light materials. As an additional protection mechanism against damage from extraneous matter, a low-maintenance safety coupling that runs in an oil bath is an option.

### Your benefits at a glance:

- » High-performance direct drive for a high throughput
- » Resistant towards extraneous matter
- » High energy efficiency
- » Low energy
- » Low noise emission



## UNTHA GENIUS: Your shredder's brain

### Maximise the productivity of your plant

UNTHA GENIUS is an intelligent condition monitoring tool for your UNTHA shredder. With the help of reliable sensor technology, the operation of your machine is monitored on an ongoing basis. GENIUS processes all your data in real-time, alerts you of any deviations and sends decision support directly to your smartphone, tablet or PC. With UNTHA GENIUS, you always have a complete overview of your entire UNTHA machine pool.

Make the most of this information on the basis of compact real-time data to see if your production is running smoothly. The goal of UNTHA GENIUS is clear: to help you maximise the availability and performance of your machine while minimising maintenance and downtime costs. But UNTHA GENIUS is much more than a standard monitoring tool - it is also a fantastic analysis tool. Thanks to the long-term storage of process data, it is possible to uncover performance trends that can lead to the ongoing optimisation of your machine, maximum cost-effectiveness and long-term return on your

investment. UNTHA GENIUS may be used with all UNTHA industrial shredders.

UNTHA GENIUS  
in a nutshell:





## Reliability throughout the lifetime of your unit

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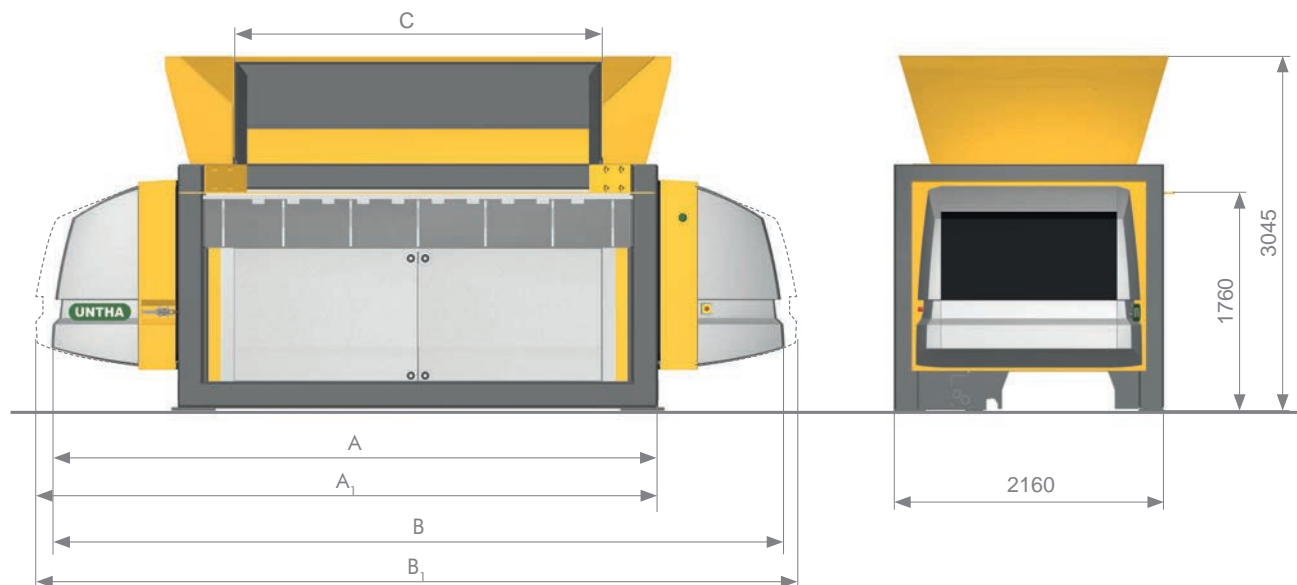
### UNTHA Service Competence Center

UNTHA shredders are in operation all over the world and are appreciated for their longevity and reliability. If there is an unplanned machine shutdown or unexpected challenges occur, our service experts are quick to help. With the

UNTHA Service Competence Center, we assist you throughout the entire product lifecycle and offer you comprehensive service products to maximise the availability of your machine. From regular maintenance and the provision of original

replacement and wear parts to our individual Carefree Packages - we ensure that UNTHA machines are ready for use at all times and do what they were built for: the reliable shredding of material.

# XR stationary



UNTHA ECO POWER DRIVE	XR2000	XR3000
A	4.070	5.070
B	5.280	6.280
C	1.980	2.960
UNTHA POWER DRIVE	XR2000	XR3000
A <sub>1</sub>	4.300	5.530
B <sub>1</sub>	5.510	6.740
C <sub>1</sub>	1.980	2.960

All dimensions in mm

TECHNICAL DATA			XR2000	XR3000	XR3000 mobil-e
RC	UNTHA Eco Power Drive	kW	1 x 132   2 x 132		2 x 132
	UNTHA Power Drive	kW	1 x 132   1 x 160   2 x 132   2 x 160		-
C	UNTHA Eco Power Drive	kW	1 x 132   2 x 132		2 x 132
XC	UNTHA Eco Power Drive	kW	1 x 160	2 x 132   2 x 160	2 x 132   2 x 160
	UNTHA Power Drive	kW	1 x 160	2 x 132   2 x 160	-
Rotor speed		U/min	max. 55 (RC)   max. 64 (C)   max. 103/146* (XC)		
Rotor length		mm	2.000	3.000	3.000
Rotor Ø		mm		1.000	
Weight		†	approx. 21	approx. 24	approx. 38

All dimensions in mm

\* only applies if the hopper is closed

# XRmobil·e



Transport dimensions (L/W/H):  
12170/2950/3350  
\*) with hopper attached

# XRsystem solution



All dimensions in mm



## Put us to the test!

No challenge is too big for our XR shredders:

- » Industrial and commercial waste
- » Waste wood
- » Metal
- » Material that is notoriously difficult to shred (pulper ropes, rolled goods)

See for yourself, during a live demonstration at your premises.

Book a slot now at [www.untha.com/demo!](http://www.untha.com/demo!)

## The best testimonials **worldwide**

Many top-level companies already trust in the reliable UNTHA brand. See here for a selection of our international customers.



*Saubermacher*

**IBRANGEON**  
Groupe



LÜBECK Entsorgungsbetriebe



See more customer success stories  
at [marketing@untha.com](mailto:marketing@untha.com)!

## UNTHA shredding technology GmbH

Kellau 141  
5431 Kuchl | Österreich  
Tel.: +43 6244 7016 0  
Fax: +43 6244 7016 1  
info@untha.com  
www.untha.com

## UNTHA Deutschland GmbH

Am Hammersteig 5a  
97753 Karlstadt | Deutschland  
Tel.: +49 9353 906869-0  
Fax: +49 9353 906869-35  
info@untha.de  
www.untha.de

## UNTHA UK Ltd.

Excel House, Becklands Close  
Boroughbridge  
YO51 9NR | United Kingdom  
Tel.: +44 845 4505 388  
sales@untha.co.uk  
www.untha.co.uk

## UNTHA America, Inc.

1 Lafayette Road, Building 4  
Hampton, NH 03842 | USA  
Tel.: +1 603 601 2304  
Fax: +1 603 601 7573  
info@untha-america.com  
www.untha-america.com

## UNTHA Polska Sp. z o.o.

Olecka 23/221  
04-980 Warszawa | Polska  
Tel.: +48 12 6421896  
Fax: +48 12 6421896  
info@untha.pl  
www.untha.pl

## UNTHA Ibérica S.A.

Polígono de Sigüeiro - Parcela 58, Sigüeiro - Oroso / A  
Coruña | España  
Tel.: +34 981 69 10 54  
Fax: +34 981 69 08 78  
info@untha-iberica.com  
www.untha.es

## 5 reasons to choose UNTHA



Customised, long-lasting shredding solutions



Premium quality products and services



All-encompassing expertise, from development to production, under one roof



Reliable customer service with the best technical know-how



More than 10,000 satisfied reference customers worldwide

## We deliver what we promise

Since our founding in 1970, we've followed our promise of being "the reliable brand", which applies to every product and service that UNTHA delivers.

We work hard to consistently outperform our competitors, and provide customers with the confidence that – in choosing UNTHA – they have made the best decision for their business.

All revisions reserved. Subject to setting and printing errors.  
All illustrations are representative and may deviate from the actual product.  
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# Attachment 2

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## DUAL-SHEAR® M120 SHREDDER

SSI's Dual-Shear® M120 is a low-speed, high-torque, two-shaft, rotary shear shredder designed to efficiently process a variety of difficult materials.

### M120 DUAL-SHEAR® SHREDDERS PROCESS MATERIALS INCLUDING:

- Mixed Waste
- Passenger & Truck Tires
- Steel Drums
- Plastics (Purgings & Film)
- Wood / Pallets
- Fibers / Textiles / Foam
- Demolition Waste
- Baled & Bulky Materials
- Paper / Cardboard
- Organic Waste
- Metals / Appliances
- and more...

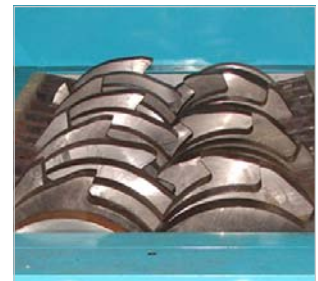
### ELECTRIC OR HYDRAULIC DRIVE

#### Hydraulic Drive When Processing:

- Mixed, unsorted materials
- Batch fed materials
- Materials requiring enhanced particle size or throughput control
- Installations requiring optional reduced voltage starting
- Materials containing non-shreddables

#### Electric Drive When Processing:

- Sorted, uniform materials
- Conveyor fed or metered materials
- Materials containing limited non-shreddables



## SSI ADVANTAGES

### HIGH-TORQUE, LOW-SPEED DESIGN

Delivers multipurpose shredding with greater on-line reliability and lower maintenance requirements than other technologies.

### PATENTED ACLS - ADVANCED CUTTER LOCKING SYSTEM™

Eliminates daily requirement to tighten cutter stack while improving shredder performance and cutter life.

### SHOCK LOAD PROTECTION FEATURE

Protects shredder and drive components. Electric version offers patented SSP - Severe Shock Protection™ controlled torque coupling. Hydraulic version utilizes multiple relief valves.

### AUTO REVERSAL FEATURE

Protects against overfeeding and damage by non-shreddables.

### CONVERTIBLE DRIVE

Versatile design accommodates electric or hydraulic drive. Optional conversion package available.

### PROPRIETARY BEARING PROTECTION

Isolates bearings from cutting chamber contamination and protects against bearing failure.

### DIRECT DRIVE MOTOR

Provides improved efficiency and reliability. Alternate speed and torque combinations available.



## STANDARD CUTTING CHAMBER (W X L)

Optional length

**46" X 63" (1,168mm X 1,605mm)**

52" (1,321mm), 75" (1,905mm)

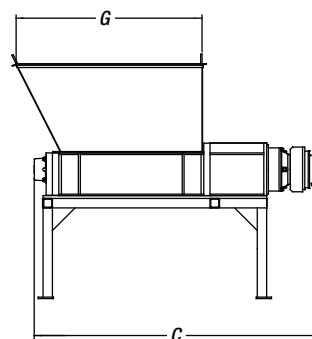
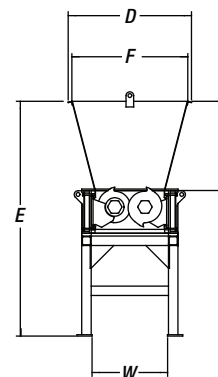
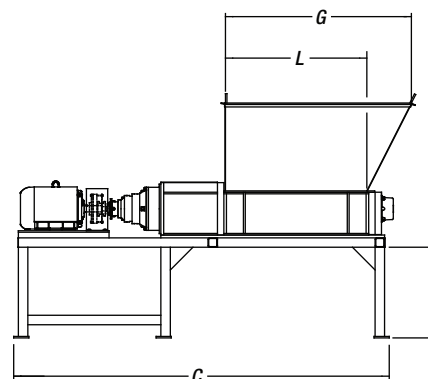


SHREDDER MODEL NO.	M120E	M120H
Drive	Electric	Hydraulic
Number of Electric Motors	One	One (HPU)
Horsepower	200 HP (149kW)	200 HP (149kW)
Horsepower Range	150-300 HP (113-224 kW)	200-400 HP (149-300 kW)
Voltage	460/3/60	460/3/60
Voltage Options	Many - Consult Factory	Many - Consult Factory
Autochop Feature	N/A	Included
Shock Load Protection	Yes (SSP™)	Yes (Multiple Relief)
Cutter Thickness (nominal)	2" (50mm)	2" (50mm)
Cutter Diameter	24" (610mm)	24" (610mm)
Cutter Material	4140 HT	4140 HT
Shaft Diameter	7.9" (200mm)	7.9" (200mm)
Cutting Chamber (WxL)*	46" x 63" (1,168mm x 1,600mm)	46" x 63" (1,168mm x 1,600mm)
Machine Length (C)*	211" (5,359mm)	166" (4,216mm)
Machine Width (D)	72" (1,825mm)	72" (1,825mm)
Machine Height (E)	128" (3,251mm)	126" (3,200mm)
Machine Weight	35,000 lbs (15,800 kg)	30,000 lbs (13,500 kg)
Hopper Opening (FxG)*	65" x 75" (1,650mm x 1,905mm)	65" x 75" (1,650mm x 1,905mm)
Hopper Height (H)	49" (1250mm)	49" (1250mm)
Stand Height (I)	48" (1,225mm)	48" (1,225mm)
HPU Configuration	N/A	Open Loop
HPU Dimensions	N/A	89"x 100"x 85" (2.3mx 2.5mx 2.2m)
HPU Weight	N/A	TBD

Motor starting and protection devices are mounted in a single NEMA 4 enclosure. PLC and operator interface are mounted in a second NEMA 4 enclosure.

\* Dimensions apply to the M120 with standard 63" (1,600mm) cutting chamber length. Secondary optional lengths available at 75" (1,905mm) and 52" (1,321mm).

Note: Illustrations, specifications and descriptions presented reflect standard product at time of publication and are subject to change without notice. Dimensions are approximate. Photographs may include optional equipment and accessories. SSI offers compactors, balers, granulators, conveyors and classifiers as well as specialized motors, stands, hoppers, and mobile configurations. Consult factory to discuss your processing needs.



SSI offers a full range of energy-efficient electric and hydraulic shredders as well as custom units to meet all processing requirements.

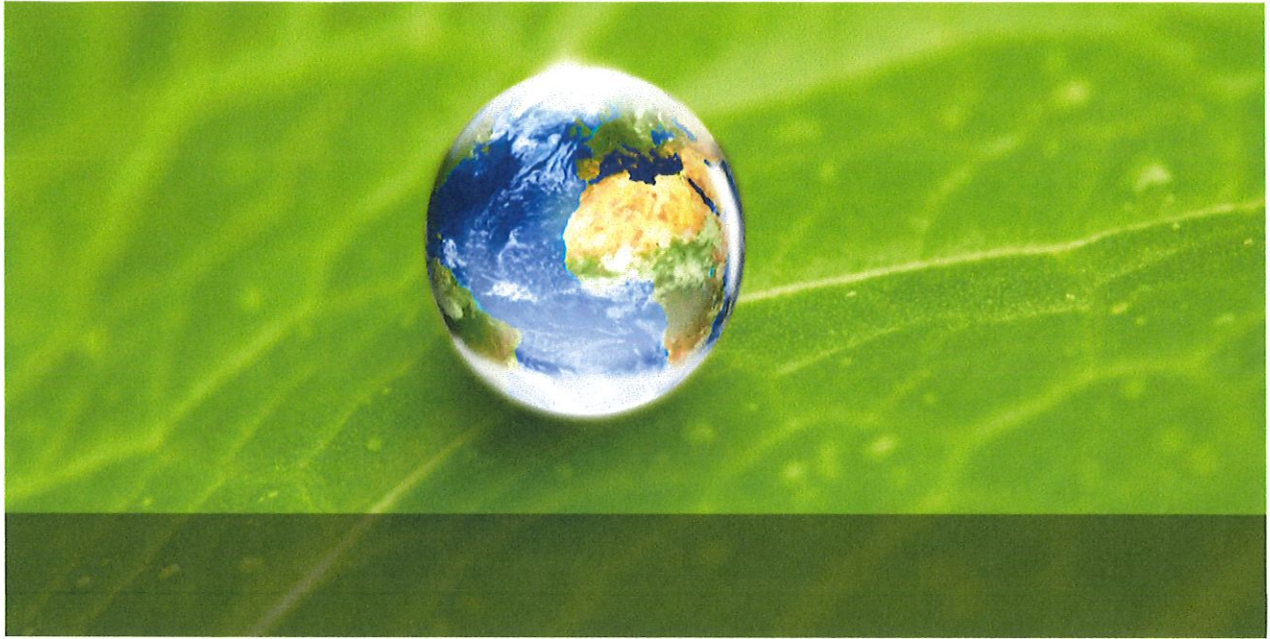
## STANDARD CUTTER PROFILES



# Attachment 3

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*LEONHARDT ENVIRONMENTAL, P.C.*



**ASSESSMENT OF POTENTIAL AND ACTUAL AIR EMISSIONS  
MILWAUKEE WASTEWATER TREATMENT AND SOLIDIFICATION FACILITY  
COVANTA ENVIRONMENTAL SOLUTIONS  
MILWAUKEE, WISCONSIN**

**NOVEMBER 16, 2018**

Prepared for:

Covanta Environmental Solutions  
2242 Carl Drive  
Asheboro, North Carolina 27203

Attention: Andy Purgason

Prepared by:

Leonhardt Environmental, P.C.  
8392 Six Forks Road  
Suite 101  
Raleigh, North Carolina 27615

# ASSESSMENT OF POTENTIAL AND ACTUAL AIR EMISSIONS MILWAUKEE WASTEWATER TREATMENT AND SOLIDIFICATION FACILITY COVANTA ENVIRONMENTAL SOLUTIONS

NOVEMBER 16, 2018

## Sources of air emissions:

evaporation of VOC's from wastewater during unloading  
evaporation of VOC's from wastewater during treatment  
evaporation of VOC's from waste during solidification  
loss of particulates during handling of solidification media (sawdust)  
loss of particulates during mixing of solidification media  
emissions of criteria pollutants from combustion of natural gas

## Evaporation of all VOC's present in wastewater

Combines unloading and treatment losses.  
Worst case analysis. Assumes that 100% will be lost.  
Test results indicate that VOC's are present at less than 1.0 ppm.  
This analysis will use 10 ppm VOC content as a worst case  
Analyses conducted indicate that no HAP's or TAP's are present.

potential throughput: 60 millions gallons per year = 500.4 million pounds per year  
10 pounds per million pounds = 5004 pounds per year = 2.5 tons per year  
  
actual throughput: 32 million gallons per year = 266.9 million pounds per year  
10 pounds per million pounds = 2669 pounds per year = 1.3 tons per year

## Evaporation of VOC's from waste during solidification

This analysis will use 10 ppm VOC content as a worst case

potential throughput: 100 tons per day x 365 days per year = 36,500 tons per year  
10 pounds per million pounds = 0.35 tons per year  
  
actual throughput: 9500 tons per year  
10 pounds per million pounds = 0.1 tons per year

## Loss of particulates during handling and mixing of solidification media (sawdust)

EPA emission factor for saw dust handling is 1.0 pounds per ton

4.6 million pounds per year = 2300 tons per year  
2300 tons per year x 1.0 lbs per ton = 2300 pounds per year = 1.2 tons per year

## Boiler Emissions

Based on 100,000 therms per year  
See attached spreadsheet for source of numbers

VOC's 0.03 tons per year  
Particulates 0.04 tons per year  
all other pollutants below reportable quantities

FACILITIES EXEMPT BASED ON ACTUAL EMISSIONS.

(a) Any facility that is required to submit an annual emission inventory report under s. [NR 438.03](#) is exempt from the requirement to obtain an operation permit following notification under par. (c), where all of the following criteria and requirements are met:

1. The actual emissions of each air contaminant from the facility do not exceed any of the following levels:
    - a. 10 tons in any calendar year for each of the following air contaminants: particulate matter, nitrogen oxide, sulfur dioxide, PM10, carbon monoxide and volatile organic compounds.
    - b. 0.5 tons in any calendar year for lead.
  - c. Any stack-appropriate thresholds for emissions points in columns (c), (d), (e) and (f) of Table A, B or C of ch. [NR 445](#). If the facility is a source of incidental emissions under s. [NR 445.11](#), this subdivision only applies to emissions of air contaminants which are listed as substances of concern in Table E of ch. [NR 445](#).
  2. The facility is not subject to a standard under section 111 or 112 of the Act ([42 USC 7411](#) or [7412](#)) except for a source subject solely to regulations or requirements under section 112(d)(5) or (r) of the Act ([42 USC 7412](#) (d)(5) or (r)).
  3. The owner or operator conducts monitoring and maintains records sufficient to demonstrate compliance with the requirements of this paragraph, including the calculation of annual facility-wide emissions. These records shall be maintained on site for at least 5 years, unless a longer period is required by statute or rule.
  4. If a control device is used to limit actual emissions, the owner or operator uses a compliance monitoring method which is identified in s. [NR 439.055](#).
- (b) Any facility that is not required to submit an annual emission inventory report under s. [NR 438.03](#) is exempt from the requirement to obtain an operation permit where all of the criteria and requirements in par. (a) 1. to 4. are met.

## Actual Emissions Based-Exemption from Construction Permits Under s. NR 406.04(1q), Wis. Adm. Code

December 2016

### What is the Air Construction Permit Exemption?

The Department of Natural Resources (DNR) created an exemption from air pollution control construction permit requirements for projects that meet certain emissions limits. This exemption is available for facilities planning to construct or modify equipment that emits air pollution.

This exemption is available to all facilities, large and small, that have been issued a facility-wide operation permit or have submitted a timely and complete application for a facility-wide operation permit. Please note that facilities with a Registration Permit or General Operation Permit or facilities operating under s. NR 407.03(1m), the 10 ton exemption from operation permits, do not need to apply for this construction permit exemption as long as the facility remains eligible for the general or registration permit or operation permit exemption after completion of the project.

### Who qualifies for this Exemption?

Your facility may qualify for the exemption if the actual emissions from all the equipment (also known as emissions units) constructed, modified, replaced, relocated and/or reconstructed as part of a project do not exceed the following levels:

Pollutant	Eligibility Threshold
Particulate matter (PM), and PM less than 10 microns (PM <sub>10</sub> )	1,666 pounds per month*
Sulfur dioxide (SO <sub>2</sub> )	1,666 pounds per month*
Carbon monoxide (CO)	1,666 pounds per month*
Nitrogen oxides (NO <sub>x</sub> )	1,666 pounds per month*
Volatile organic compounds (VOCs)	1,666 pounds per month*
Lead	10 pounds per month*

\*Averaged over any 12-consecutive-month period

In addition to emitting at or below these thresholds, the project, which consists of all constructed, modified, replaced, relocated or reconstructed emissions units, must also meet the following requirements:

- ✓ None of the emissions units in the project can trigger a new Best Available Control Technology (BACT) or Lowest Achievable Emission Rate (LAER) determination under the state toxics rule in ch. NR 445, Wis. Adm. Code. BACT or LAER may be triggered if the emissions of a hazardous air contaminant are over the applicable thresholds in Table A, B, or C of ch. NR 445, available at [http://docs.legis.wisconsin.gov/code/admin\\_code/nr/400/445.pdf](http://docs.legis.wisconsin.gov/code/admin_code/nr/400/445.pdf) and column (i) in the tables says BACT or LAER is required. More information and assistance on the state toxics rule can be found at <http://dnr.wi.gov/topic/AirQuality/Toxics.html>.
- ✓ The project does not trigger New Source Review requirements under chs. NR 405 or NR 408, Wis. Adm. Code.
- ✓ Emissions units (or processes) newly constructed as part of the project cannot be subject to an emissions limitation under section 111 (New Source Performance Standards, or NSPS) or 112 (Maximum Achievable Control Technology, or MACT) excluding 112(d)(5) of the federal Clean Air Act. In addition, units that are modified, reconstructed, replaced or relocated as part of the project cannot trigger any **new** requirements under section 111 or 112 of the Clean Air Act due to the project.

**NATURAL GAS COMBUSTION EMISSIONS CALCULATOR REVISION L 10/08/2013 - OUTPUT SCREEN**

Instructions: Enter emission source / facility data on the "INPUT" tab/screen. The air emission results and summary of input data are viewed / printed on the "OUTPUT" tab/screen. The different tabs are on the bottom of this screen.

This spreadsheet is for your use only and should be used with caution. DENR does not guarantee the accuracy of the information contained. This spreadsheet is subject to continual revision and updating. It is your responsibility to be aware of the most current information available. DENR is not responsible for errors or omissions that may be contained herein.

**SOURCE / FACILITY / USER INPUT SUMMARY (FROM INPUT SCREEN)**

COMPANY:			<b>Covanta Environmental Solutions</b>		FACILITY ID NO.:		0	
EMISSION SOURCE DESCRIPTION: 10 MMBTU/HR NATURAL GAS-FIRED BOILER					PERMIT NUMBER:		0	
EMISSION SOURCE ID NO.: NG COMBUSTION SOURCES					FACILITY CITY:		0	
CONTROL DEVICE: NO CONTROL					FACILITY COUNTY:		0	
SPREADSHEET PREPARED BY: D. Leonhardt					POLLUTANT		CONTROL EFF.	
ACTUAL FUEL THROUGHPUT: 10.00 10 <sup>6</sup> SCF/YR					FUEL HEAT VALUE: 1,020 BTU/SCF		NOX	
POTENTIAL FUEL THROUGHPUT: 85.88 10 <sup>6</sup> SCF/YR					BOILER TYPE: SMALL BOILER (<100 mmBTU/HR)		CALC'D AS 0%	
REQUESTED MAX. FUEL THRPT: 85.88 10 <sup>6</sup> SCF/YR					HOURS OF OPERATIONS: 24		NO SNCR APPLIED	

**CRITERIA AIR POLLUTANT EMISSIONS INFORMATION**

AIR POLLUTANT EMITTED	ACTUAL EMISSIONS		POTENTIAL EMISSIONS		EMISSION FACTOR	
	(AFTER CONTROLS / LIMITS)		(BEFORE CONTROLS / LIMITS)		(AFTER CONTROLS / LIMITS)	
	lb/hr	tons/yr	lb/hr	tons/yr	lb/hr	tons/yr
PARTICULATE MATTER (Total)	0.07	0.04	0.07	0.33	0.07	0.33
PARTICULATE MATTER (Condensable)	0.06	0.03	0.06	0.24	0.06	0.24
PARTICULATE MATTER (Filterable)	0.02	0.01	0.02	0.08	0.02	0.08
SULFUR DIOXIDE (SO <sub>2</sub> )	0.01	0.00	0.01	0.03	0.01	0.03
NITROGEN OXIDES (NO <sub>x</sub> )	0.98	0.50	0.98	4.29	0.98	4.29
CARBON MONOXIDE (CO)	0.82	0.42	0.82	3.61	0.82	3.61
VOLATILE ORGANIC COMPOUNDS (VOC)	0.05	0.03	0.05	0.24	0.05	0.24

**TOXIC / HAZARDOUS AIR POLLUTANT EMISSIONS INFORMATION**

TOXIC / HAZARDOUS AIR POLLUTANT	CAS NUMBER	ACTUAL EMISSIONS		POTENTIAL EMISSIONS		EMISSION FACTOR	
		(AFTER CONTROLS / LIMITS)		(BEFORE CONTROLS / LIMITS)		(AFTER CONTROLS / LIMITS)	
		lb/hr	lbs/yr	lb/hr	lbs/yr	lb/hr	lbs/yr
Acetaldehyde (TH)	75070	1.49E-07	1.52E-04	1.49E-07	1.31E-03	1.49E-07	1.31E-03
Acrolein (TH)	107028	1.76E-07	1.80E-04	1.76E-07	1.55E-03	1.76E-07	1.55E-03
Ammonia (T)	7664417	3.14E-02	3.20E+01	3.14E-02	2.75E+02	3.14E-02	2.75E+02
Arsenic unlisted compounds (TH)	ASC-other	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Benzene (TH)	71432	2.06E-05	2.10E-02	2.06E-05	1.80E-01	2.06E-05	1.80E-01
Benzo(a)pyrene (TH)	50328	1.18E-08	1.20E-05	1.18E-08	1.03E-04	1.18E-08	1.03E-04
Beryllium metal (unreacted) (TH)	7440417	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Cadmium metal (elemental unreacted) (TH)	7440439	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Chromic acid (VI) (TH)	7738945	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Cobalt unlisted compounds (H)	COC-other	8.24E-07	8.40E-04	8.24E-07	7.21E-03	8.24E-07	7.21E-03
Formaldehyde (TH)	50000	7.35E-04	7.50E-01	7.35E-04	6.44E+00	7.35E-04	6.44E+00
Hexane, n- (TH)	110543	1.76E-02	1.80E+01	1.76E-02	1.55E+02	1.76E-02	1.55E+02
Lead unlisted compounds (H)	PBC-other	4.90E-06	5.00E-03	4.90E-06	4.29E-02	4.90E-06	4.29E-02
Manganese unlisted compounds (TH)	MNC-other	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Mercury vapor (TH)	7439976	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Napthalene (H)	91203	5.98E-06	6.10E-03	5.98E-06	5.24E-02	5.98E-06	5.24E-02
Nickel metal (TH)	7440020	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Selenium compounds (H)	SEC	2.35E-07	2.40E-04	2.35E-07	2.06E-03	2.35E-07	2.06E-03
Toluene (TH)	108883	3.33E-05	3.40E-02	3.33E-05	2.92E-01	3.33E-05	2.92E-01

Total HAPs	1.84E-02	1.88E+01	1.84E-02	1.62E+02	1.84E-02	1.62E+02	1.84E-03	1.84E-03
Highest HAP	Hexane	1.76E-02	1.80E+01	1.76E-02	1.55E+02	1.76E-02	1.55E+02	1.76E-03

**TOXIC AIR POLLUTANT EMISSIONS INFORMATION (FOR PERMITTING PURPOSES)**

TOXIC AIR POLLUTANT	CAS Num.	EXPECTED ACTUAL EMISSIONS AFTER CONTROLS / LIMITATIONS			EMISSION FACTOR	
		lb/hr	lb/day	lb/yr	uncontrolled	controlled
		lb/hr	lb/day	lb/yr	uncontrolled	controlled
Acetaldehyde (TH)	75070	1.49E-07	3.58E-06	1.52E-04	1.49E-08	1.49E-08
Acrolein (TH)	107028	1.76E-07	4.24E-06	1.80E-04	1.76E-08	1.76E-08
Ammonia (T)	7664417	3.14E-02	7.53E-01	3.20E+01	3.14E-03	3.14E-03
Arsenic unlisted compounds (TH)	ASC-other	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Benzene (TH)	71432	2.06E-05	4.94E-04	2.10E-02	2.06E-06	2.06E-06
Benzo(a)pyrene (TH)	50328	1.18E-08	2.82E-07	1.20E-05	1.18E-09	1.18E-09
Beryllium metal (unreacted) (TH)	7440417	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Cadmium metal (elemental unreacted) (TH)	7440439	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Soluble chromate compounds, as chromium (VI) equivalent	SoICR6	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Formaldehyde (TH)	50000	7.35E-04	1.76E-02	7.50E-01	7.35E-05	7.35E-05
Hexane, n- (TH)	110543	1.76E-02	4.24E-01	1.80E+01	1.76E-03	1.76E-03
Manganese unlisted compounds (TH)	MNC-other	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Mercury vapor (TH)	7439976	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Nickel metal (TH)	7440020	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Toluene (TH)	108883	3.33E-05	8.00E-04	3.40E-02	3.33E-06	3.33E-06

**GREENHOUSE GAS EMISSIONS INFORMATION (FOR EMISSIONS INVENTORY PURPOSES) - CONSISTENT WITH EPA MANDATORY REPORTING RULE (MRR) METHOD****GHG - POTENTIAL TO EMIT NOT BASED ON EPA MRR METHOD**

GREENHOUSE GAS POLLUTANT	ACTUAL EMISSIONS			POTENTIAL EMISSIONS	
	EPA MRR CALCULATION METHOD: TIER 1			POTENTIAL EMISSIONS	
	metric tons/yr	metric tons/yr, CO <sub>2</sub> e	short tons/yr	short tons/yr	short tons/yr, CO <sub>2</sub> e
CARBON DIOXIDE (CO <sub>2</sub> )	545.05	545.05	600.81	5,119.74	5119.74
METHANE (CH <sub>4</sub> )	1.03E-02	2.16E-01	1.13E-02	9.66E-02	2.03E+00
NITROUS OXIDE (N <sub>2</sub> O)	1.03E-03	3.19E-01	1.13E-03	9.66E-03	2.99E+00
TOTAL CO <sub>2</sub> e (metric tons)			545.58	TOTAL CO <sub>2</sub> e (short tons)	
				5,124.76	

NOTE: CO<sub>2</sub>e means CO<sub>2</sub> equivalent

NOTE: The DAQ Air Emissions Reporting Online (AERO) system requires short tons be reported. The EPA MRR requires metric tons be reported.

NOTE: Do not use greenhouse gas emission estimates from this spreadsheet for PSD (Prevention of Significant Deterioration) purposes.

# Attachment 4

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The Michigan Air Pollution Control Rules can be accessed in their entirety at [Michigan.gov/Air](http://Michigan.gov/Air) (select *Laws and Rules* then *State* then *Air Pollution Control Rules*).

**Significance Levels (From Rule 119)**

Air Contaminant	Emission Rate
Carbon monoxide	100 tpy
Nitrogen oxides	40 tpy
Sulfur dioxide	40 tpy
Particulate matter	25 tpy
PM-10	15 tpy
PM-2.5	10 tpy
Volatile organic compounds	40 tpy
Lead	0.6 tpy
Fluorides	3 tpy
Sulfuric acid mist	7 tpy
Hydrogen Sulfide (H <sub>2</sub> S)	10 tpy
Total reduced sulfur compounds (including H <sub>2</sub> S)	10 tpy
Reduced sulfur compounds (including H <sub>2</sub> S)	10 tpy
Municipal waste combustor organics, measured as total tetra-through octachlorinated dibenzo-p-dioxins and dibenzofurans	3.2x10 <sup>-6</sup> Mg/year or 3.2x10 <sup>-6</sup> tpy
Municipal waste combustor metals (as PM)	14 Mg/year or 15 tpy
Municipal waste combustor acid gases (measured as SO <sub>2</sub> and HCl)	36 Mg/year or 40 tpy
Municipal solid waste landfill emissions (measured as nonmethane organic compounds)	45 Mg/year or 50 tpy

**R 336.1106 Definitions; F.**

Rule 106. As used in these rules:

- (k) "Fugitive dust" means particulate matter that is generated from indoor processes, activities, or operations and that is emitted into the outer air through building openings and general exhaust ventilation, except stacks. The term also means particulate matter that is emitted into the outer air from outdoor processes, activities, or operations due to the forces of the wind or human activity.
- (l) "Fugitive emissions" means those emissions which could not reasonably pass through a stack, chimney, vent, or other functionally equivalent opening.

**R 336.1116 Definitions; P.**

Rule 116. As used in these rules:

- (n) "Potential to emit" means the maximum capacity of a stationary source to emit an air contaminant under its physical and operational design. Any physical or operational limit on the capacity of the stationary source to emit an air contaminant, including air pollution control equipment and restrictions on the hours of operation or the type or amount of material combusted, stored, or processed, shall be treated as part of its design only if the limit, or the effect it would have on emissions, is legally enforceable. Secondary emissions shall not count in determining the "potential to emit" of a stationary source. For hazardous air pollutants that have been listed pursuant to Section 112(b) of the clean air act, quantifiable fugitive emissions shall be included in

determining the potential to emit of any stationary source. For all other air contaminants, quantifiable fugitive emissions shall be included in determining the "potential to emit" of a stationary source only if the stationary source belongs to 1 of the following categories:

- (i) Coal cleaning plants that have thermal dryers.
- (ii) Kraft pulp mills.
- (iii) Portland cement plants.
- (iv) Primary zinc smelters.
- (v) Iron and steel mills.
- (vi) Primary aluminum ore reduction plants.
- (vii) Primary copper smelters.
- (viii) Municipal incinerators capable of charging more than 50 tons of refuse per day.
- (ix) Hydrofluoric, sulfuric, or nitric acid plants.
- (x) Petroleum refineries.
- (xi) Lime plants.
- (xii) Phosphate rock processing plants.
- (xiii) Coke oven batteries.
- (xiv) Sulfur recovery plants.
- (xv) Carbon black plants that have a furnace process.
- (xvi) Primary lead smelters.
- (xvii) Fuel conversion plants.
- (xviii) Sintering plants.
- (xix) Secondary metal production plants.
- (xx) Chemical process plants. The term chemical process plant does not include ethanol production facilities that produce ethanol by natural fermentation included in North American industrial classification system codes 325193 or 312140.
- (xxi) Fossil fuel boilers (or combination thereof) totaling more than 250,000,000 Btu per hour heat input.
- (xxii) Petroleum storage and transfer units that have a total storage capacity of more than 300,000 barrels or petroleum storage vessels that have a capacity of more than 40,000 gallons.
- (xxiii) Taconite ore processing plants.
- (xxiv) Glass-fiber processing plants.
- (xxv) Charcoal production plants.
- (xxvi) Fossil fuel-fired steam electric plants of more than 250,000,000 Btu per hour heat input.
- (xxvii) Asphalt concrete plants.
- (xxviii) Secondary lead smelters and refineries.
- (xxix) Sewage treatment plants.
- (xxx) Phosphate fertilizer plants.
- (xxxi) Ferroalloy production plants.
- (xxxii) Grain elevators.
- (xxxiii) Stationary gas turbines.
- (xxxiv) Stationary sources that are subject to the federal national emission standards for hazardous air pollutants for the following materials:
  - (A) Asbestos.
  - (B) Beryllium.
  - (C) Mercury.
  - (D) Vinyl chloride.

**R 336.1278 Exclusion from exemption.**

Rule 278.

- (1) The exemptions specified in R 336.1280 to R 336.1291 do not apply to either of the following:
  - (a) Any activity that is subject to prevention of significant deterioration of air quality regulations or new source review for major sources in nonattainment areas regulations.
  - (b) Any activity that results in an increase in actual emissions greater than the significance levels defined in R 336.1119. For the purpose of this rule, "activity" means the concurrent and related installation, construction, reconstruction, relocation, or modification of any process or process equipment.
- (2) The exemptions specified in R 336.1280 to R 336.1291 do not apply to the construction of a new major source of hazardous air pollutants or reconstruction of a major source of hazardous air pollutants, as defined in 40 C.F.R. §63.2 and subject to §63.5(b)(3), national emission standards for hazardous air pollutants, adopted by reference in R 336.1902.
- (3) The exemptions specified in R 336.1280 to R 336.1291 do not apply to a construction or modification as defined in and subject to 40 C.F.R. part 61, national emission standards for hazardous air pollutants, adopted by reference in R 336.1902.
- (4) The exemptions in R 336.1280 to R 336.1291 apply to the requirement to obtain a permit to install only and do not exempt any source from complying with any other applicable requirement or existing permit limitation.

History: 1993 AACs; 1994 AACs; 1995 AACs; 1996 AACs; 1997 AACs; 1998 AACs; 2003 AACs; 2008 AACs; 2016 AACs.

**R 336.1278a Scope of permit exemptions.**

Rule 278a.

- (1) To be eligible for a specific exemption listed in R 336.1280 to R 336.1291, any owner or operator of an exempt process or exempt process equipment must be able to provide information demonstrating the applicability of the exemption. The demonstration may include the following information:
  - (a) A description of the exempt process or process equipment, including the date of installation.
  - (b) The specific exemption being used by the process or process equipment.
  - (c) An analysis demonstrating that R 336.1278 does not apply to the process or process equipment.
- (2) The demonstration required by this rule shall be provided within 30 days of a written request from the department. Any other records required within a specific exemption shall be provided within timeframes established within that specific exemption.

History: 2003 AACs; 2016 AACs.

**R 336.1285 Permit to install exemptions; miscellaneous.**

Rule 285.

- (1) This rule does not apply if prohibited by R 336.1278 and unless the requirements of R 336.1278a have been met.
- (2) The requirement of R 336.1201(1) to obtain a permit to install does not apply to any of the following:
  - (l) The following equipment and any exhaust system or collector exclusively serving the equipment:
    - (vi) Equipment for carving, cutting, routing, turning, drilling, machining, sawing, surface grinding, sanding, planing, buffing, sand blast cleaning, shot blasting, shot peening, or polishing ceramic artwork, leather, metals, graphite, plastics, concrete, rubber, paper board, wood, wood products, stone, glass, fiberglass, or fabric which meets any of the following:
      - (B) Equipment that has emissions that are released only into the general in-plant environment.
  - (m) Lagoons, process water treatment equipment, wastewater treatment equipment, and sewage treatment equipment, except for any of the following:

- (i) Lagoons and equipment primarily designed to treat volatile organic compounds in process water, wastewater, or groundwater, unless the emissions from the lagoons and equipment are only released into the general in-plant environment.
- (ii) Sludge incinerators and dryers.
- (iii) Heat treatment processes.

History: 1979 AC; 1992 AAC; 1993 AAC; 1995 AAC; 1997 AAC; 2003 AAC; 2008 AAC; 2016 AAC; 2019 AAC.

Editor's Note: An obvious error in R 336.1285 was corrected at the request of the promulgating agency, pursuant to Section 56 of 1969 PA 306, as amended by 2000 PA 262, MCL 24.256. The rule containing the error was published in *Annual Administrative Code Supplement*, 2019. The memorandum requesting the correction was published in *Michigan Register*, 2022 MR 2.

**R 336.1291 Permit to install exemptions; emission units with “de minimis” emissions.**

Rule 291.

- (1) This rule does not apply if prohibited by R 336.1278 and unless the requirements of R 336.1278a have been met.
- (2) The requirement of R 336.1201(1) to obtain a permit to install does not apply to any emission unit in which potential emissions meet the conditions listed in subdivisions (a) to (d) of this subrule and table 23 for all air contaminants listed. In addition, records shall be maintained in accordance with subdivisions (e) and (f) of this subrule.
  - (a) The combined potential emissions of all toxic air contaminants with screening levels greater than or equal to 0.04 micrograms per cubic meter and less than 2 micrograms per cubic meter shall not exceed 0.12 tons per year.
  - (b) The combined potential emissions of all toxic air contaminants with screening levels greater than or equal to 0.005 micrograms per cubic meter and less than 0.04 micrograms per cubic meter shall not exceed 0.06 tons per year.
  - (c) The combined potential emissions of all toxic contaminants with screening levels less than 0.005 micrograms per cubic meter shall not exceed 0.006 tons per year.
  - (d) The emission unit has no potential emissions of asbestos and/or subtilisin proteolytic enzymes.
  - (e) A description of the emission unit shall be maintained throughout the life of the unit.
  - (f) Documentation and/or calculations identifying the quality, nature, and quantity of the air contaminant emissions are maintained in sufficient detail to demonstrate that the potential emissions are less than those listed in subdivisions (a) to (d) of this subrule and Table 23. Such documentation shall include the toxic air contaminant screening level applicable at the time of installation and/or modification of the emission unit.

**Table 23. Potential Emissions from Air Contaminants**

Air Contaminant	Potential Emissions Not to be Exceeded
CO <sub>2</sub> equivalent	75,000 tons per year
CO	10 tons per year
NO <sub>x</sub>	10 tons per year
SO <sub>2</sub>	10 tons per year
VOC (as defined in R 336.1122)	5 tons per year
PM	10 tons per year
PM <sub>10</sub>	5 tons per year
PM <sub>2.5</sub>	3 tons per year
Lead	0.1 tons per year
Fluorides	1 ton per year
Sulfuric acid mist	0.12 tons per year
Hydrogen sulfide	2 tons per year
Total reduced sulfur	2 tons per year
Reduced sulfur compounds	2 tons per year
Total mercury	0.12 pounds per year
Total toxic air contaminants not listed in table 23 with any screening level	5 tons per year
Total air contaminants not listed in table 23 that are non-carcinogenic and do not have a screening level	6 tons per year

History: 2016 AACs.

**R 336.1299 Rescinded.**

History: 1992 AACs; 1995 AACs; 1998-2000 AACs; 2001 AACs; 2003 AACs; 2008 AACs; 2012 AACs; 2016 MR 24, Eff. Dec. 20, 2016.