

**PHASE I
ENVIRONMENTAL SITE ASSESSMENT**

FORMER McLOUTH STEEL FACILITY

**1491 WEST JEFFERSON AVENUE
TRENTON, MICHIGAN 48183**

August 8, 2017

ECT No. 170443-0100

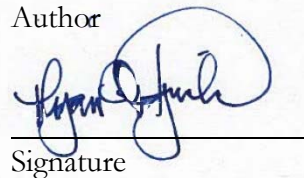
Document Review

The dual signatory process is an integral part of Environmental Consulting & Technology, Inc.'s (ECT's) Document Review Policy No. 9.03. All ECT documents undergo technical/peer review prior to dispatching these documents to any outside entity.

This document has been authored and reviewed by the following employees:

Ryan Higuchi

Author



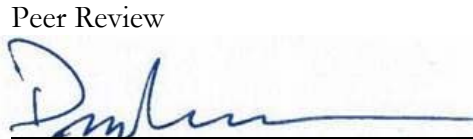
Signature

August 8, 2017

Date

Dirk Mammen

Peer Review



Signature

August 8, 2017

Date

Table of Contents

<u>Section</u>	<u>Page</u>
1.0 Summary	1
2.0 Introduction	11
2.1 Purpose	11
2.2 Detailed Scope of Services	12
2.3 Significant Assumptions	12
2.4 Limitations and Exceptions	12
2.5 Special Terms and Conditions	13
2.6 User Reliance	13
3.0 Site Description	14
3.1 Location and Legal Description	14
3.2 Site and Vicinity General Characteristics	15
3.3 Current Use of the Property	15
3.4 Descriptions of Structures, Roads, and Other Improvements on the Site	15
3.4.1 General Descriptions of Structures	15
3.4.2 Roads	16
3.4.3 Potable Water Supply	16
3.4.4 Sewage Disposal System	16
3.5 Current Uses of the Adjoining Properties	16
4.0 User Provided Information and Interviews	18
4.1 Title Records	18
4.2 Environmental Liens or Activity and Use Limitations	18
4.3 Specialized Knowledge	19
4.4 Commonly Known or Reasonably Ascertainable Information	21
4.5 Valuation Reduction for Environmental Issues	21
4.6 Owner, Property Manager, Occupant Information	21
4.7 Reason for Performing Phase I ESA	22
5.0 Records Review	23
5.1 Previous Investigations and Government Records	23

5.2	Standard Environmental Record Sources	29
5.2.1	Federal and State Environmental Record Sources	29
5.3	Additional Environmental Record Sources	38
5.4	Physical Setting Source(s)	38
5.5	Historical Use Information on the Property	38
5.5.1	Topographic Maps	38
5.5.2	Aerial Photographs	39
5.5.3	Street Directories	41
5.5.4	Fire Insurance Maps	41
5.6	Historical Use Information on Adjoining Properties	42
5.6.1	Topographic Maps	42
5.6.2	Aerial Photographs	42
5.6.3	Street Directories	44
5.6.4	Fire Insurance Maps	44
6.0	Site Reconnaissance	45
6.1	Methodology and Limiting Conditions	45
6.2	General Site Setting	45
6.2.1	Current Use(s) of the Property	45
6.2.2	Past Use(s) of the Property	45
6.2.3	Current Uses of Adjoining Properties	45
6.2.4	Past Uses of Adjoining Properties	46
6.2.5	Current or Past Uses in the Surrounding Area	46
6.2.6	Geologic and Hydrogeologic Conditions	46
6.3	Observations	46
6.3.1	Hazardous Substances and Petroleum Products in Connection with Identified Uses	47
6.3.2	Storage Tanks	48
6.3.3	Odors	49
6.3.4	Pools of Liquid	49
6.3.5	Drums	50
6.3.6	Hazardous Substance and Petroleum Products Containers (not necessarily in connection with identified uses)	51
6.3.7	Unidentified Substance Containers	51
6.3.8	PCBs	52
6.3.9	Pits, Ponds, or Lagoons	53
6.3.10	Stained Soil	54
6.3.11	Stressed Vegetation	55
6.3.12	Solid Waste	56
6.3.13	Wastewater	56
6.3.14	Wells	57
6.3.15	Septic Systems	57
6.4	Interviews with Site Contacts	57
6.5	Interviews with Local Governmental Officials	57

7.0	Findings, Opinions and Conclusions	58
7.1	RECs	58
7.2	Historical RECs	64
7.3	Controlled RECs	65
7.4	<i>De Minimis Conditions</i>	65
7.5	Opinion	65
8.0	Deviations and Significant Data Gaps	66
9.0	Additional Services	67
10.0	References	68

LIST OF ACRONYMS

FIGURES

- Figure 1: Subject Property Location Map
- Figure 2: Subject Property Boundary Map
- Figure 3: Site & Surrounding Properties Map
- Figure 4: Area 1 Recognized Environmental Conditions Map
- Figure 5: Area 2 Recognized Environmental Conditions Map
- Figure 6: Area 3 Recognized Environmental Conditions Map
- Figure 7: Area 4 Recognized Environmental Conditions Map
- Figure 8: Area 5 Recognized Environmental Conditions Map

APPENDICES

- Appendix A— EDR Radius Map™ Report with Geocheck®
- Appendix B— EDR Historical Topographical Map Report
- Appendix C— EDR Aerial Photo Decade Package
- Appendix D— EDR City Directory Image Report
- Appendix E— Sanborn Map Report
- Appendix F— Photo Log
- Appendix G— Agency Support Materials
- Appendix H— Qualifications

List of Acronyms

AAI	All Appropriate Inquiry
ACM	Asbestos-Containing Material
AOI	Area of Interest
AST	Aboveground Storage Tank
ASTM	American Society for Testing and Materials
AUL	Activity and Use Limitation
BOF	Basic Oxygen Furnace
BEA	Baseline Environmental Assessment
CA	Corrective Action
CERCLA	Comprehensive Environmental Response, Compensation and Liability Act
CERCLIS	Comprehensive Environmental Response, Compensation, and Liability Information System
CESQG	Conditionally Exempt Small Quantity Generators
Clayton	Clayton Environmental Inc.
CMC	Control Manufacturing Corporation
CORRACTS	Corrective Action Report
CREC	Controlled Recognized Environmental Condition
CWWTP	Central Waste Water Treatment Plant
DCC	Downriver Community Conference
DWSD	Detroit Water and Sewerage Department
EAF	Electric Arc Furnace
ECT	Environmental Consulting & Technology, Inc.
EDR	Environmental Data Resources, Inc.
EPA	Environmental Protection Agency
ERNS	Emergency Response Notification System
ESA	Environmental Site Assessment
ESC	Environmental Strategies Corporation
ESI	Environmental Sensitivity Index
FINDS	Facility Index System/Facility Registry System
FOIA	Freedom of Information Act
GCC	Generic Cleanup Criteria
GSI	Groundwater/Surface Water Interface
HRS	Hazard Ranking System
HREC	Historical Recognized Environmental Condition
LF	Low Frequency
LQG	Large Quantity Generators
LUST	Leaking Underground Storage Tank
MDEQ	Michigan Department of Environmental Quality
MDNRE	Michigan Department of Natural Resources and Environment
NFRAP	No Further Remediation Action Planned
NonGen	Non-generator

NPDES	National Pollutant Discharge Elimination System
NPL	National Priority List
NTH	NTH Consultants, Ltd.
PCB	Polychlorinated biphenyls
PCE	Perchloroethylene
PRP	Potentially Responsible Party
RC	Restrictive Covenant
RCRA	Resource Conservation and Recovery Act
REC	Recognized Environmental Condition
RFA	RCRA Facility Assessment
RFI	RCRA Facility Investigation
RGA	Recovered Government Archived
RRD	Remediation and Redevelopment Division
SAM	Site Assessment Management
SEMS	Standard Emergency Management System
SF	Superfund
SHWS	State and Tribal Equivalent
SME	Small and Medium Enterprises
SP	Subject Property
SQG	Small Quantity Generators
START	Superfund Technical Assessment and Response Team
SWF/LF	Solid Waste Facilities/Landfill
TCE	Trichloroethylene
Techna	Techna Corporation
TSCA	Toxic Substances Control Act
TSD	Treatment, Storage, or Disposal
TSDF	Treatment, Storage and/or Disposal Facility
RTRR	Riverview Trenton Railroad
UAO	Unilateral Order of Consent
USEPA	United States Environmental Protection Agency
USGS	United States Geological Survey
UST	Underground Storage Tank
VCP	Voluntary Cleanup Program
WDS	Waste Data System
WMU	Waste Management Unit
WWTP	Waste Water Treatment Plant

1.0 Summary

Environmental Consulting & Technology, Inc. (ECT) was retained by the Downriver Community Conference (DCC) at the request of the City of Trenton, LLC to perform a Phase I Environmental Site Assessment (ESA) of the approximately 183-acre property consisting of two (2) parcels occupied by the former McLouth Steel/Detroit Steel Company Facility located at 1491 West Jefferson Avenue in Trenton, Michigan 48183 (herein referred to as the Subject Property). These two parcels were recently obtained through the foreclosure process by the Wayne County Treasurer's Office. The Subject Property is located east to west between West Jefferson Avenue and the Detroit River and north to south between Sibley and King Roads. A Site Location Map is provided as **Figure 1**.

The City of Trenton is considering a plan to acquire the Subject Property from the Wayne County Treasurer's Office as part of the State of Michigan's tax foreclosure process. The purpose of this assessment was to identify potential adverse environmental conditions associated with the Subject Property, which include any Recognized Environmental Conditions (RECs), Historical Recognized Environmental Conditions (HRECs) or Controlled Recognized Environmental Conditions (CRECs) that may exist, or have existed on the Subject Property. The research attempted to identify conditions indicative of an existing release, past release, or a material threat of a release of any hazardous substances or petroleum products. RECs, HRECs and CRECs do not include *de minimis* conditions that generally do not present a material risk of harm to public health or the environment and that would not be the subject of an enforcement action if brought to the attention of appropriate governmental agencies.

Based on a review of reasonably ascertainable historical records, the Subject Property was acquired by McLouth Steel Company (McLouth) in approximately 1947 and used primarily for the production of steel from 1954 to 1995. McLouth filed a notification of regulated waste activity and a Resource Conservation and Recovery Act (RCRA) Part A application on November 17, 1980. In addition, due to the use and management of polychlorinated biphenyl (PCB) containing equipment, the facility was also subject to the requirements of the Toxic Substances Control Act (TSCA). In the following decades of operation, McLouth added facilities including blast furnaces, power houses, a Central Wastewater Treatment Plant (CWWTP), a Sinter Building, a Pickling Building, and numerous other support and storage structures were constructed to accommodate increased production. By 1975, the site had attained the general configuration and appearance that exists today. Post 1975, production at the facility decreased and eventually ceased altogether and in 1995, McLouth Steel filed for Chapter 11 bankruptcy protection.

During the bankruptcy process, the site was acquired by the Detroit Steel Company (DSC). DSC operations were initially limited to demolition of existing buildings and the removal of machinery and equipment. However, DSC filed a notification of Regulated Waste activity form in 1996 with the USEPA. In the notification, DSC identified itself as a generator of hazardous waste and an owner/operator of a treatment, storage and disposal facility. DSC later resumed operations of one of the pickling lines as well as the facility's CWWTP. Those operations eventually closed in 2005, leaving a large portion of the facility in disrepair.

A consent order was entered into between DSC and the MDEQ in December 1999. The Order identified 46 Waste Management Units (WMUs) and 33 Areas of Concern (AOCs) at the site. The WMUs were subject to

Part 111 of the Michigan Natural Resources and Environmental Protection Act (NREPA)/RCRA and the AOCs were subject to Part 201 of NREPA. The WMUs and AOCs included a sulfuric acid pickling line operation that was resumed by DSC and that is reported to have leaked, causing a low pH groundwater plume extending across the southern half of the property, basements filled with oily water and free phase oily liquids, drum storage areas, and the CWWTP. Site-wide observed contamination primarily consists of metals, volatile organic compounds (VOCs) polynuclear aromatic hydrocarbons (PAHs), PCBs in soil, extreme pH in groundwater and dioxin in soil and river sediments. The extensive soil and groundwater contamination and the concern for the protection of human health and the environment resulted in the need for the consent order.

At the time this Phase I ESA was conducted, the Subject Property consisted of one main production building that included fourteen (14) inter-connected process areas and numerous ancillary support structures that were all previously used for the production of steel. ECT has performed this Phase I ESA of 1491 West Jefferson Avenue, Trenton, Michigan 48183, in conformance with the scope and limitations of ASTM Standard E 1527-13.

ECT reviewed several environmental work plans and investigation reports that were obtained from the MDEQ and USEPA through Freedom of Information Act (FOIA) requests. The dates of the reports identified from the file review ranged from August 1996, soon after Detroit Steel Company, Ltd. (DSC) acquired the Subject Property, to July 2017. Review of these reports identified numerous RECs associated with WMUs and AOCs that are relevant to the Subject Property. In the 2006 NTH Report, NTH interchangeably used the term Areas of Interest (AOIs) for AOCs or non-WMU waste locations. The term AOI is primarily used in this report.

A majority of these RECs were verified during the site visits that were conducted on July 17, 2017 and July 21, 2017 by ECT. Part of the Subject Property is currently being used to store raw sugar. Observations of the Subject Property also included abandoned debris piles, machinery and equipment, hazardous material storage piles, waste treatment process piles and other industrial equipment. In total, this assessment identified 134 RECs, no HRECs and no CRECs in connection with the Subject Property. A list of these RECs is included in the following table:

COMPLETE LIST OF RECs

Summary of General RECs – Subject Property (SP)

REC	Description
SP1	Sampling data collected from the Subject Property document extreme pH in groundwater. Contamination from VOCs, PAHs, Metals, and PCBs have been identified on the Subject Property at levels that exceed the GCC.
SP2	The Comprehensive Corrective Action and Remedial Consent Order (CCARCO), dated December 2009 between DSC, the MDEQ and USEPA to address several Waste Management Units (WMUs) and Areas of Concern (AOCs) is a REC in connection to the Subject Property.
SP3	The establishment of a Unilateral Order of Consent (UAO) requiring removal of hazardous materials from the Subject Property after the on-site Sedimentation Basin caught fire. An emergency response US EPA enacted after the owner failed to comply with the terms of the UAO.
SP4	The candidacy of the Subject Property for inclusion on the NPL list by the USEPA.
SP5	There are multiple listings in the SEMS database in connection to the Subject Property.
SP6	Two releases from LUSTs on the Subject Property were documented in the LUST database.

SP7	The Subject Property was listed in the MI-AUL database that establishes a restrictive covenant on the Subject Property.
SP8	The Subject Property was listed in the MI-SPILLS database relating to a release of pickle liquor.
SP9	Adjacent properties to the north, south, and west were listed in US Brownfields, MI BEA, SEMS, MI AUL in connection with a restrictive covenant, MI Part 201, and the Historical Auto Station databases.
SP10	A tracking spreadsheet dated July 8 2009, prepared by the EPA, identified 87 transformers that may have contained PCBs. The spreadsheet provides a status of the response activities undertaken that indicates which transformers had been drained, were scheduled to be drained, were not scheduled to be drained, or remained in use. Of the 87 transformers identified, 33 were observed during the site reconnaissance. Although some of the transformers that remain on site have been drained, a residual amount of PCB or non-PCB oil remains in the transformer carcasses.

Summary of Area 1 RECs

REC	Description
1-1	A 6,000 gallon above ground storage tank that is labeled as containing liquid bleach was observed south of the River Pump House.
1-2	A tank labeled as containing used oil was observed at the River Pump House.
1-3	Several pumps and significant oil staining was observed on the floor within the River Pump House.
1-4	A rectangular-shaped ground access port was observed between the eastern and center clarifier. Its purpose was not determined.
1-5	An unlabeled steel tank was observed in a small structure south of the center clarifier. Stained soil and concrete outside of the structure.
1-6	An unlabeled storage tank and several small containers, one labeled acid, was observed within the building adjacent to the eastern-most clarifier.
1-7	A concrete lined, subsurface open pit filled with water and piping was observed between the two smaller clarifiers.
1-8	Piping with valves connected to the structure north of the center clarifier was observed.
1-9	A 20,000-gallon AST labeled as used oil was observed north of the former Grit Chamber.
1-10	A concrete lined, subsurface open vault filled with oil and water was observed at the former grit chamber. Dead waterfowl was observed within the vault. A grit pile was identified in the 2006 NTH report as WMU-12 immediately west of the former grit chamber building. The grit pile was described as <i>"an area for accumulation of material removed from the grit chamber at the CWWTP. It is expected that the material would have mostly consisted of scale, slag and other non-organic debris. However, it is likely that organic materials would have passed through the grit chambers."</i> The report indicated that the grit pile was removed in late 2000 or early 2001, after which, limited verification sampling was conducted. Sampling results indicated that contamination still remains.
1-11	An unlabeled, fiberglass above ground storage tank was observed north of the former grit chamber area. It is likely the tank was the second of two tanks that stored acid given its proximity to the other acid storage tank and facility drawings. Identified in the 2006 NTH report as WMU-11, <i>"These two fiberglass tanks were used to store spent pickle liquor for use at the CWWTP"</i> .
1-12	An above ground storage tank labeled as containing acid was observed north of the former grit chamber. Identified in the 2006 NTH report as WMU-11. <i>"These two fiberglass tanks were used to store spent pickle liquor for use at the CWWTP"</i> .
1-13	A lined sludge pit filled with vegetation was observed west of the former grit chamber. Identified in the 2006 NTH report as WMU-10, <i>"This unit was a concrete walled, earthen floored basin used to hold sludges when they could not be pumped to a filter press."</i> The area was excavated and a PVC liner was installed before it was filled with dredge sediments. Documentation states that all waste materials were removed prior to lining.
1-14	An underground storage vault containing oil and water and partially covered with a metal plate was observed north of the sludge pit.
1-15	Stained concrete was observed throughout the remaining structure of the former Sinter Building. Identified in the 2006 NTH report as WMU-14. <i>"Historical drawings indicate that these were interior holding bins. The sinter</i>

	<i>plant mainly handles ore fines and coke breeze. Reclamation of process wastes appeared to be a small portion of this operation (15 bins, only 2 were designated for scale or lime, and two were designated for flue dust.)".</i>
1-16	Two (2) PCB-containing transformers that were marked as "EPA drained" were observed within the remaining Sinter Building structure.
1-17	A slag stockpile was observed north of the sludge pit.
1-18	Former railroad tracks were observed throughout the area indicating extensive railroad operations.
1-19	The 2006 NTH report identifies a former Drum Storage Area as AOI-33 which is located southeast of the main parking area. The report states that soil in the area was impacted from a former Drum and Oil Hopper Storage Area. The investigation conducted in support of the 2006 report revealed physical evidence of a release.
1-20	A former electrical substation with three concrete pads was observed along West Jefferson Avenue, west of the main parking lot.
1-21	Stained concrete was observed in the main parking lot area where several tanks and storage containers are present.
1-22	Stained concrete floors were observed within the garage of the Main Building. A floor drain was observed in the vicinity of the stained flooring.
1-23	Standing water was observed in the basements within the Main Office Building and adjacent Wash House.
1-24	The 2006 NTH report identifies a former sludge filter press as WMU-13, which was located north of the western-most clarifier. No longer present, the area was used as the "CWWTP filter press building where trucks or roll-off boxes were filled with filter cake. It is believed that the building was converted from the old elevated ore screening house where trucks drove beneath and were loaded from above. Any release to the environment would have occurred from the surface."
1-25	The entire CWWTP was identified in the 2006 NTH report as WMU-15. The CWWTP is comprised of "grit chamber, three clarifiers, sludge thickener, and former filter press building. Treatment included acid and lime pH adjustment, and sedimentation of process waters, mainly from the hot strip line."

Summary of Area 2 RECs

REC	Description
2-1	Several deep sumps, located in proximity to heavy machinery in the Roll Shop on the south end of the Coil Storage Area, are partially filled with oily water
2-2	A large, deep sump filled with potentially contaminated water was observed between the south end of Finishing Building No. 1 and the Coil and Storage Area Building. This sump, which was used to accumulate oil and water, was identified in the 2006 NTH report as WMU-49, the Downcoiler Sump.
2-3	A series of sumps filled with potentially contaminated water was observed in a basement area near the center of Finishing Building No. 1. Identified as the Six Standing Oil Basement Sumps (WMU-51), these sumps were used to accumulate oil and water.
2-4	Standing water was observed in the South Motor Room Basement where several PCB-containing transformers remain. The 2006 NTH report also identified the South Motor Room Basement Sumps as having a concrete sump that was used to accumulate oil and water (WMU-50).
2-5	A large sump containing potentially contaminated water was observed near the south end of the Rolling Mill Building. Described as a concrete or steel pit in the 2006 NTH report, the sump is identified as the Finish Stand Scale Pit (WMU-52).
2-6	A large pile of batteries was observed at the northern end of Finishing Building No. 1.
2-7	The secondary containment areas of the acid pickling line potentially contain spent chemicals from moth-balled operations. The 2006 NTH report identified these containment areas as WMU-8, which are lined with acid resistant brick. The report also indicates the tanks within the containment areas still contain acid.
2-8	Several feet of oily water were observed at the Coil Transfer Area at the north end of the Finishing Buildings No.2.
2-9	A pallet of empty paint cans was observed on the outside wall of the Slab Conditioning Building.

2-10	Several pits were observed in the former reheat areas, south of the North Motor Room. It is likely these pits are associated with WMU-54 in the 2006 NTH report as the Old Four High Scale Pit, which was used to accumulate oil and water.
2-11	Evidence of past spills were observed at the secondary containment area that stores two (2) ASTs containing hydrochloric acid and oil. The integrity of the containment area is unknown.
2-12	Rimmed scale pits full of oily water were observed at the northern end of the Rolling Mill Building. Approximately 3-4 feet of the pits were above ground with the remaining depth below ground. Some appear to be connected and a tunnel/pipe was observed exiting the pits below ground to the east. The 2006 NTH report identified these pits as the Blooming Mill Scale Pits, which were used to accumulate oil and water (WMU- 55).
2-13	A facility map within the Main Office Building indicates a former PCB release area within the main building, north of the Roll Milling Area. The status of the cleanup of the release is unknown.
2-14	A Transformer and Capacitor Area “boneyard” was observed at the west end of the Slab Conditioning Building. The original location of the transformers and capacitors is unclear.
2-15	Large volumes of oily water were observed in the Reheat Burner Pits, nozzles beneath were covered with suspected asbestos-containing material (ACM).
2-16	A large oily sump containing a turntable was observed. The 2006 NTH report identified the sump as WMU- 56, the Reheat Sump, which was used to accumulate oil and water.
2-17	A large sump full of oily water identified as the Heater Drain Sump in the 2006 NTH report (WMU-57) was observed.
2-18	Pits, partially full with potentially contaminated water, were observed below the former Electric Heaters (“toasters”).
2-19	Non-PCB containing capacitors were observed in the Electric Storage Building within the Slab Handling and Storage Room.
2-20	Grease storage containers and drums were observed east of the Heater Repair Building within the Slab Handling and Storage Building.
2-21	Oil stained floors and floor drains that are associated with equipment and vehicle repair areas within the Mobile Equipment Building portion of the Soaking Pit Building were observed.
2-22	A Sedimentation Basin with a large volume of contaminated water was observed and identified in the 2006 NTH report as WMU-1. The basin was used to receive process water from the continuous casting, rolling, finishing, and pickling operations.
2-23	Oil stained floors were observed within the Sedimentation Basin Pump House Building located between the Sedimentation Basin and the Oil Processing Tank. In addition, an Oil Processing AST was observed north of the Sedimentation Basin. Both the pump house and AST were identified as WMU-2 in the 2006 NTH report, which indicates the building as consisting of a skimming unit and 20,000-gallon oil storage tank.
2-24	Sumps full of oil and water were observed beneath and adjacent to former machinery in the Machine Shop.
2-25	Leaking drums containing petroleum products were observed in the northwest corner of the Machine Shop.
2-26	ACM covered piping associated with the boiler on the mezzanine level of the Machine Shop was observed.
2-27	The Recirculation Water Pits were observed to be full of potentially contaminated water.
2-28	The 2006 NTH report identifies the Concast Grit Basin as WMU-43, which was used to receive oily sludge and grit from the Concast Scale Pit.
2-29	The secondary containment area for a 1-million-gallon fuel storage tank, a 6,000-gallon sodium hypochlorite tank, and two (2) 2,000-gallon tanks (assumed to contain sodium hypochlorite) were observed north of the Recirculating Water System Building. The 2006 NTH report identified the fuel storage tank as WMU-44.
2-30	A concrete slabbed area north of the Baghouse was observed to include at least 1 monitoring well which was used to evaluate the extent of contamination in the area. The 2006 NTH report identified this area as the EAF Baghouse Loadout Area (WMU-47) which was used as a staging area for roll-off boxes that were loaded with fines.
2-31	Floor staining was observed throughout the main buildings, likely from oil, oily sludge, EAF dust and potentially PCBs.
2-32	A number of small pits, sumps and floor drains located throughout the Main Production Building were observed to contain oil and water.
2-33	A Roughing Scale Pit was identified in the 2006 NTH report as WMU-53. The pit was used to accumulate oil and water.

2-34	The west process sewer, located to the southwest of the Locomotive Repair Shop was identified in the 2006 NTH report as WMU-4. The sewer transported wastewater from the Sedimentation Basin, the Locomotive Roundhouse and the Coil Storage Area to the CWWTP.
2-35	The spent pickle acid sewer #1, located between the No. 3 Finishing and Shipping Building and the Sedimentation Basin was identified in the 2006 NTH report as WMU-5. The sewer transported sulfuric and hydrochloric acids associated with coil steel only.
2-36	The west process sewer, located south of the former Machine Shop was identified as WMU-3 in the 2006 NTH report. The sewer carried process wastewater from scale pits and sumps associated with the continuous casting, slab heating, hot rolling, and finishing operations.
2-37	A transformer release was identified as AOI-48 in the 2006 NTH report. The area identified consists of a former concrete transformer pad located east of the Machine Shop. Past sampling efforts indicate that PCBs still remain on the concrete.
2-38	Barrel Area #4 was identified in the 2006 NTH report as AOI-65. The area is identified as a concrete floor that was used for temporary drum storage.
2-39	A suspected release from the former Paint Shop, located north of the Recirculating Water System was identified as AOI-40 in the 2006 NTH report. The report states that the release had not been confirmed. Paints and solvents were used in this location for building and maintenance locations.
2-40	The former Drum Storage Area #3, located west of the Baghouse, was identified in the 2006 NTH report as AOI-46. The area was formerly used to store empty drums of lubricants.
2-41	An unconfirmed release of PCBs at the north end of the Rolling Mill was identified as AOI-66 in the 2006 NTH report.

Summary of Area 3 RECs

REC	Description
3-1	Two, large steel ASTs were observed south of the Locomotive Repair Building. Both tanks were located in a concrete lined containment area which had staining and a notable petroleum odor. Also observed within the containment area were two (2) 55-gallon drums, one labeled as synthetic and partially full. Identified as AOI-69 in the 2006 NTH report, the tanks were used to store diesel fuel.
3-2	Former railroad tracks were observed throughout the area indicating extensive railroad operations.
3-3	A pipeline at the ground surface was observed running from north to south, south of the Locomotive Repair Building.
3-4	Oil and water was observed in the subsurface repair bay within the Locomotive Repair Building. Significant oil stains were also observed on the floor. The Locomotive Repair Shop was listed in the 2006 NTH report as WMU-61 and AOI-39. The report indicates a past release of gasoline during the removal of a UST. No remediation or cleanup activities were conducted.
3-5	A materials stockpile with subsequent staining was observed west of the Locomotive Repair Building.
3-6	An unlabeled steel tank was observed along the southern wall of the Maintenance Building.
3-7	Staining on the floor of the Spare Parts and Maintenance Buildings was observed.
3-8	Six (6) unlabeled compressed gas canisters, two (2) hydraulic accumulation cylinders, an empty unlabeled 35-gallon steel drum, and a fuel oil heating system and tank were observed inside the Maintenance Building.
3-9	Three (3) lime slurry basins are located north of the Maintenance Building; one (1) above ground, and two (2) below ground were observed and all three were filled with water. Identified as WMU-6 in the 2006 NTH report as the Acid Neutralization Plant, the plant stored and treated pickling acid through lime application. It was later used to store spent acid prior to offsite transport. The Lime Slurry Tanks are also identified in the report as AOI-62. Floor staining and a presence of a powdery white substance was observed within the building associated with the Lime Slurry Tanks.
3-10	Three (3) transformers, two (2) located within a building, and one (1) located outside of the building, were observed at the former Substation located north of the Maintenance Building.
3-11	A large, unlabeled, fiberglass above ground storage tank was observed east of the Desulfurization Baghouse at the northern end of the former Air Separation Plant.

3-12	Several above ground storage tank cradles were observed at multiple locations at the northern end of the former Air Separation Plant.
3-13	A large transformer labeled as the No. 6 Furnace Regulating Transformer was observed east of the former Substation as part of the former Air Separation Plant. Although the transformer was marked as "EPA drained", there was significant oil staining observed on the concrete pad.
3-14	Staining was observed on the floor of the Nitrogen Evaporator Control Building located directly south of the No. 6 Furnace Regulating Transformer.
3-15	Two (2) large, steel above ground storage tanks were observed east of the Spare Parts Building and were identified as the Boiler House fuel oil tanks (AOI-63) in the 2006 NTH report. Oil and water was observed within the concrete containment area.
3-16	The remains of a former fiberglass above ground storage tank was observed north of the two large above ground storage tanks east of the Spare Parts Building.
3-17	Capacitors were observed on the second floor of the remaining structure of the former Boiler House. Significant staining was observed on the remaining concrete structure.
3-18	A ventilation stack was observed on top of a concrete, below ground vault south of the Nitrogen Evaporator Control Building.
3-19	A strong sanitary odor was noted nearby an excavated area to the south of the former Ore Yard #1
3-20	Several stockpiles of slag and demolition debris were observed in the former Slag Pit areas located to the south of the former Blast Furnace No.1 and north of the former Blast Furnace No. 2. Identified as AOI 20 and 21 in the 2006 NTH report, the slag pits received slag from the furnaces where it was cooled using river water.
3-21	Stockpiles of slag and demolition debris, as well as large areas of stained soil, were observed in the areas where Blast Furnaces Nos. 1 and 2 were located. Identified as AOI 18 and 19 in the 2006 NTH report, both blast furnaces received and processed raw materials that included ore, coke, lime and sinter that were used to produce iron. WMUs 78 and 79 pertaining to the Blast Furnace Scrubber Loadout areas, which were designated areas where process sludge was loaded onto trucks, were also identified in association with the blast furnaces.
3-22	Ore Yard #1, located east of the former Blast Furnace Areas, was noted in the 2006 NTH report.
3-23	The 2006 NTH report identifies the Desulfurization Bag House load out area as WMU-41, which is located south of the former Continuous Casting and Melt Shop Buildings. The area beneath the baghouse structure was used to fill roll-off boxes with fines.
3-24	The former De-kishing Pit, located north of the No. 2 Slag Pit was identified in the 2006 NTH report as AOI-35. The area was used for the removal of slag from iron transportation rail cars.
3-25	A former pond area, located adjacent to the former De-kishing Pit was identified in the 2006 NTH report as AOI-36. The pond was used for storage of unknown materials.
3-26	The east process sewer, located between the No.2 Slag Pit and the former Air Separation Plant was identified in the 2006 NTH report as WMU-16. <i>"The sewer serviced the east portion of the melt shop, the gas cleaning systems, the air separation plant, and the blast furnaces."</i>
3-27	The spent pickle acid sewer #2, located between the former Boiler House and the Spare Parts Building was identified in the 2006 NTH report as WMU-7. The sewer transported neutralized spent pickle acid from the Acid Neutralization Plant.
3-28	The former Large Pond #3, located east of the Blast Furnaces, was identified in the 2006 NTH report as AOI-34. The pond was used for storage of unknown materials.
3-29	A former slag processing plant, located south of the former Boiler House, was identified in the 2006 NTH report at AOI-59. The area was previously used for the resale of processed slag.
3-30	The former Centrifuge Sludge Pit, located north of the former Sinter Building, was identified as WMU-9 in the 2006 NTH report. The pit consisted of earthen dikes that stored sludges and oily waters.

Summary of Area 4 RECs

REC	Description
4-1	A slag stockpile was observed north of the former Ore Yard No.2. A noise reduction pile was identified as WMU-38 in the 2006 NTH report that was used to block noise to Grosse Ile. The report states that the pile contained slag, refractory materials, baghouse fines, scrubber sludges, scale and ore.
4-2	Three (3) concrete lined, open subsurface storage vaults, all filled with potentially contaminated water were observed near the former Railroad Transfer Station.
4-3	Slag was observed on the concrete floor of the demolished portion of the former Railroad Transfer Station.
4-4	A PCB-containing transformer and capacitor that was labeled as "EPA drained" were observed in the small building located north of the former Railroad Transfer Station.
4-5	Several concrete lined, open subsurface vaults containing potentially contaminated water were observed in several locations where the former gas cleaning operations took place. Identified as former BOF Gas Cleaning Sludge Pits (WMU-23) in the 2006 NTH report, these basins received sludge from the BOF Scrubbing Towers that have since been demolished.
4-6	The basement of a former structure located to the south of the Railroad Transfer Station was observed to be filled with water. The 2006 NTH report identifies the structure as the Former EAF Gas Cleaning System (WMU-24) which was described as a Steel Wet Scrubber. Associated with the former EAF Gas Cleaning System is the K061 Settling Basin (WMU-25) that received sludge from the Electric Arc Furnace Scrubbing Tower.
4-7	An unlabeled, compressed gas tank was observed within a quonset structure north of where gas cleaning operations took place.
4-8	Five (5), uncontained and open storage bins containing lime were observed west of where gas cleaning operations took place.
4-9	Significant staining of concrete and soils was observed throughout the entire area where gas cleaning operations took place.
4-10	An unlabeled, empty 55-gallon steel drum was observed in a small building south of the remaining Gas Cleaning Building. Floor staining within the building was also noted.
4-11	Two (2) above ground concrete containers filled with debris were observed within the former Gas Cleaning Area.
4-12	A PCB-containing transformer labeled as "EPA Drained" was observed in a small building located south of the remaining Gas Cleaning Building.
4-13	Floor staining was observed in a pump control house located near the southern end of the former Gas Cleaning Operations area.
4-14	A broken fiberglass storage tank was observed south of the former Continuous Casting Building.
4-15	Water with an oily sheen was observed in the basement of the former Continuous Casting Building.
4-16	Water with an oily sheen was observed in the concrete lined, former scale pit located north of the former Continuous Casting Building. Identified as WMU-42 in the 2006 NTH report, the basin received water and scale that was produced when cooling water was sprayed on freshly cast steel.
4-17	An Iron Pellet Storage area, located west of the Detroit River shoreline, was noted in the 2006 NTH report.
4-18	A limestone storage stockpile area, located east of the former Gas Cleaning Building was noted in the 2006 NTH report.
4-19	Ore Yard No.2, located north of the Limestone Storage Stockpile area, was noted in the 2006 NTH report. The report also identifies that part of Ore Yard #2 was occupied by a pond of which its purpose and contents were unknown (AOI-37).
4-20	The 2006 NTH report identifies a large area that was previously occupied by the Melt Shop Storage Building where iron was converted into steel as AOI-22. "Five air pollution control systems were used in conjunction with the process. Cooling water and associated scale were directed to the concast scale pit" and process wastes in the building "were never managed in the building". Also noted within the Melt Shop Building is WMU-32, the Kish Control Baghouse Load Out area where roll-off boxes were filled with fines.

Summary of Area 5 RECs

REC	Description
5-1	Several stockpiles of railroad ties were observed throughout the area.
5-2	Several slag, soil, and debris stockpiles were observed throughout the area.
5-3	According to the 2006 NTH report, a large portion of Area 5 was formerly used as a Scrap Storage Area.
5-4	Former railroad tracks were observed throughout the area indicating extensive railroad operations.
5-5	A concrete lined, subsurface materials vault that was associated with former Conveyor Operations was observed. The vault was filled with water and debris.
5-6	The 2006 NTH report identifies AOI-45 as former Drum Storage Area #2 for chemicals and lubricants, and WMU-28 as Drum Storage Area #1, within Area 5.
5-7	The 2006 NTH report identifies AOI-70 as an area formerly occupied by an AST, with no secondary containment, that stored kerosene.
5-8	According to the 2006 NTH report, a portion of the area was occupied by a Mold Preparation Building, which has since been demolished.

Based on these findings, ECT believes that additional site investigation activities at the Subject Property are warranted to assess the potential environmental impact of these RECs. The investigation results from the past assessment activities that were conducted from 1996 to 2017 may be sufficient to assess a portion of these RECs as many site conditions have remained essentially unchanged.

Many of the PCB-containing transformers and capacitors were drained of oil in 2009 as the focus of an Emergency Response Action by USEPA. However, some transformers remain full of oil and the carcasses of the previously drained transformers remain on-site. Many have been moved to new locations. A full inventory of transformers and capacitors should be completed to determine their location, the volume of remaining oil in each transformer and capacitor, and a determination of whether any remaining oil contains PCBs that require special handling and disposal procedures.

Additional review of any site drawings, past investigations and cleanup reports that were found on-site in the Main Office Building should be reviewed to determine if additional RECs exist or if any RECs can be eliminated.

Many subsurface structures that include pits, vaults, sumps and basements, were observed to contain water that is potentially contaminated and will require additional investigation. Basement areas were inaccessible due to standing water and could not be assessed, therefore representing a data failure. Additional investigation of the water in the subsurface structures is recommended to appropriately characterize the contents of these structures prior to redevelopment of the Subject Property. Once the water has been characterized and appropriately disposed, a visual inspection of the subsurface structures should be completed to assess their integrity, as well as the identification of any additional RECs.

A full asbestos survey was not performed as part of the Phase I ESA; however, ECT observed potential galbestos siding covering a majority of the buildings, including the Main Production Building. Additionally, asbestos mixed with dust and soil is suspected on the floor throughout the Main Production Building as well as on piping both in the Main Production Building and several of the auxiliary buildings on the Subject Property. Other hazardous materials are scattered throughout the Subject Property and should be inventoried to prevent inadvertent spills or releases.

A complete list of RECs is included below and in Section 7.1. However, a portion of the RECs can be attributed to previous site investigations and the review of reports documenting those investigations (Section 5.1), the records review (Section 5.2) and the visual observations made during the site reconnaissance (Section 6.0). Therefore, subsets of these RECs are included within those sections in addition to the complete list in Section 7.1.

2.0 Introduction

ECT has conducted a Phase I ESA of the Subject Property located in Sections 7 and 8, Township 4 South, and Range 11 East of the Wyandotte Quadrangle Map, situated west to east between West Jefferson Avenue and the Detroit River and north to south between Sibley and King Roads, in Trenton, Wayne County, Michigan 49183.

The land area subject to this Phase I ESA is comprised of two (2) contiguous parcels that are located at 1491 West Jefferson Avenue. The Subject Property is an irregular shaped, approximately 183-acre parcel occupied by a Main Production Building consisting of fourteen (14) inter-connected process areas and numerous ancillary support structures that were all previously used in the production of steel. Due to the size of the Subject Property and the number of RECs, it has been divided into five (5) subareas which depict the approximate location of RECs (**Figures 4 – 8**).

2.1 Purpose

The City of Trenton requested that ECT conduct a Phase I ESA prior to the potential acquisition of the Subject Property. This Phase I ESA includes information gathered from federal, state, and local agencies; personal interviews with people familiar with the Subject Property and surrounding properties; and, a site reconnaissance conducted by ECT representatives. The report is intended to meet the due diligence requirements of ASTM E-1527-13.

The purpose of ASTM Practice E 1527-13 is to define good commercial and customary practice in the United States for conducting an *environmental site assessment of commercial real estate* properties with respect to the range of contaminants within the scope of the Comprehensive Environmental Response, Compensation and Liability Act (CERCLA; 42 U.S.C. §9601) and *petroleum products*. The goal of the processes established by ASTM Practice E 1527-13 is to identify *recognized environmental conditions* (RECs) and *de minimis* conditions. Any exceptions to, or deletions from, this practice are described in Section 8.0 of this report.

The objective of Phase I ESAs is to provide *all appropriate inquiries* into the previous ownership and uses of the *property* consistent with good commercial and customary practice as defined at 42 U.S.C. §9601(35) (B) to permit a *user* to satisfy one of the requirements to qualify for the *innocent landowner, contiguous property owner, or bona fide prospective purchaser* limitations on CERCLA liability (a.k.a., *landowner liability protections*). The goal of Phase I ESAs is to identify current, historical, and controlled RECs and *de minimis* conditions in connection with the property, to the extent feasible pursuant to the processes prescribed in the ASTM E 1527-13 guidelines. The terms current, historical, and controlled RECs and *de minimis* conditions are defined by ASTM in the following paragraphs.

A current REC is the presence or likely presence of any *hazardous substances* or *petroleum products* in, on, or at a *property*: (1) due to any *release* to the *environment*; (2) under conditions indicative of a *release* to the *environment*; or (3) under conditions that pose a *material threat* of a future *release* to the *environment*. The term includes hazardous substances or petroleum products even under conditions in compliance with laws.

A historical REC is a past *release* of any *hazardous substances* or *petroleum products* that has occurred in connection with the *Subject Property* and has been addressed to the satisfaction of the applicable regulatory authority or meeting unrestricted use criteria established by a regulatory authority, without subjecting the *Subject Property* to any required controls.

A controlled REC is a *REC* resulting from a past *release* of *hazardous substances* or *petroleum products* that has been addressed to the satisfaction of the applicable regulatory authority (for example, as evidenced by the issuance of a no further action letter or equivalent, or meeting risk-based criteria established by regulatory authority), with *hazardous substances* or *petroleum products* allowed to remain in place subject to the implementation of required controls (for example, *property* use restrictions, *activity and use limitations*, *institutional controls*, or *engineering controls*).

A *de minimis* condition is a condition that generally does not present a threat to human health or the *environment* and that generally would not be the subject of an enforcement action if brought to the attention of appropriate governmental agencies. Conditions determined to be *de minimis conditions* are not current, historical, or controlled *RECs*.

2.2 Detailed Scope of Services

The Phase I ESA conducted by ECT included, but was not limited to, the following services:

- A site reconnaissance of the Subject Property to look for evidence of a release(s) or potential release of petroleum products and hazardous materials;
- Observations of adjacent properties and the site vicinity;
- Interviews with individuals familiar with the Subject Property, as available;
- Review of regulatory agency and local files, as necessary;
- Review of historical documents, as available; and,
- Preparation of a report presenting ECT's findings, including a summary of conclusions and recommendations.

2.3 Significant Assumptions

The fundamental assumption of this Phase I ESA is that the City of Trenton seeks to qualify as a party to a commercial real estate transaction and satisfy the Landowner Liability Protections to CERCLA liability (42 U.S.C. §9601(35) (A) & (B), §9607(b)(3).

ECT assumes that the information provided by the regulatory database electronic search report provider, the regulatory agencies, the local unit of government, and the current Subject Property owner is true and reliable.

2.4 Limitations and Exceptions

The opinions and recommendations presented in this report are based upon the scope of services, information obtained through the performance of the services, and the schedule as agreed upon by ECT and the party for whom this report was originally prepared. This report is an instrument of professional service and was prepared in accordance with the generally accepted standards and level of skill and care under similar conditions and circumstances established by the environmental consulting industry. No representation, warranty, or guarantee,

expressed or implied, is intended or given. To the extent that ECT relied upon any information prepared by other parties not under contract to ECT, ECT makes no representation as to the accuracy or completeness of such information. This report is expressly for the sole and exclusive use of the party for whom this report was originally prepared for a particular purpose. Only the party for whom this report was originally prepared and/or other specifically named parties have the right to make use of and rely upon this report. Reuse of this report or any portion thereof for other than its intended purpose, or if modified, or if used by third parties, shall be at the user's sole risk.

The findings presented in this report apply solely to site conditions existing at the time when ECT's assessment was performed on July 21, 2017. It must be recognized, however, that an ESA is intended for the purpose of determining the potential for contamination through limited research and investigative activities and in no way represents a conclusive or complete site characterization. Conditions in other parts of the Subject Property may vary from those at the locations where data were collected. ECT's ability to interpret investigation results is related to the availability of the data and the extent of the investigation activities. As such, 100 percent confidence in ESA conclusions cannot reasonably be achieved.

ECT, therefore, does not provide any guarantees, certifications, or warranties that a property is free from environmental contamination. Furthermore, nothing contained in this document shall relieve any other party of its responsibility to abide by contract documents and applicable laws, codes, regulations, or standards.

2.5 Special Terms and Conditions

The scope of work for this Phase I ESA did not include testing of electrical equipment for the potential presence of polychlorinated biphenyls (PCBs), lead-based paint, or the assessment of natural hazards such as naturally-occurring asbestos, radon, or methane gas, assessment of the potential presence of radionuclides, or assessment of non-chemical hazards such as the potential for damage from earthquakes or floods. This Phase I ESA also did not include an extensive assessment of the environmental compliance status of the Subject Property or of the businesses that have operated on-site, or a health-based risk assessment.

2.6 User Reliance

This Phase I ESA was conducted for the use of and reliance by the City of Trenton and their assignees and may be relied upon by these parties only. No use of the information contained in this report by others is permissible without receiving prior written authorization to do so from ECT. ECT is not responsible for independent conclusions, opinions, or recommendations made by others or otherwise based on the findings presented in this report.

3.0 Site Description

3.1 Location and Legal Description

The Subject Property is located at 1491 West Jefferson Avenue, Trenton, Michigan 48183. Records maintained by the City of Trenton and Wayne County's Assessor's offices are available for the Subject Property and identify the site owner, location, and legal description. **Figure 2** provides a Subject Property Boundary Map. The information contained in the records includes:

1491 West Jefferson Avenue (Parcel No: 54001990006705) –The legal description is:

0791 - -08Q1 THAT PT OF KIRBY SORCE FELSKE CO W JEFF SUB NO 1 LOTS 51 TO 61 INCL ALSO NE PT OF LOTS 62 AND 63 COMBINED ALSO ADJ VAC STREET AND ALLEY T45 R11E L36 P41 WCR. ALSO PT OF NE 1/4 SEC 7 ALSO FRAC 1/4 SEC 8 DESC AS BEG N 88D 49M 45S E 20.58 FT FROM THE NW COR OF SAID LOT 51 - TH N 88D 49M 45S E 313.59FT - TH S 01D 10M 15S E 50FT - TH N 88D 49M 45S E 100FT - TH N 01D 10M 15S W 50FT - TH N 88D 49M 45S E 98.44FT - TH S 24D 33M 02S E 416.51FT - TH S 03D 14M 45S E 919-67FT - TH S 02D 05M 55S W 566.98FT - TH S 12D 09M 30S W 1048.41FT - TH S 12D 18M 30S W 286.75FT - TH N 77D 36M 50S W 618.77FT - TH N 12D 10M 25S E 401.32FT - TH N 77D 47M 55S W 18 4.37FT - TH N12D 56M 57S E 283.61FT - S 77D 55M 23S E 174.49FT - TH N 13D 51M 02S E 323.07FT - TH N 01D 24M 25S W 552.54FT - TH N 72D 39M 04S E 211.14 FT TH N 16D 21M 15S W 1054.05FT - TH N 19D 12M 13S E 446.72FT - POB 49.65AC - - K -49.65

1491 West Jefferson Avenue (Parcel No: 54001990006706) – The legal description is:

07C62A - - 08Q3 PT OF KIRBY SORGE FELSKE CO W JEFF SUB NO 1 SW PT OF LOTS 62 AND 63 COMBINED ALSO LOTS 64 TO 111 INCL ALSO ADJ VAC STREET AND ALLEYS T4S R 11 E L36 P41 WCR ALSO PT OF E 1/2 SEC 7 ALSO FRACL SEC 8 ALSO NE 1/4 SEC 18 T45 R 11 E DESC AS BEG: N 88DEG 49M 45S E 20.58 FT AND S 19DEG 12M 13S W 446.72 FT FROM THE NW COR OF LOT 51; TH S16DEG 21M 15S E 1054.05 FT - TH S 72DEG 39M 04S W 211.14 FT - TH S 10DEG 24M 25S E 552.54 FT - TH S 13DEG 51M 02S W 323.07 FT - TH N 77DEG 55M 23S W 174.49 - TH S 12DEG 56M 57S W 283.61 FT - TH S 77DEG 47M 55S E 184.37 PT - TH S 12DEG 10M 25S W 401.32 FT - TH S 77DEG 36M 50S E 618.77 FT - TH N 12DEG 18M 30S E 286.75 FT - TH N 12DEG 09M 30S E 610.10 FT TH S 88DEG 36M 53S E 575.24 FT - TH S 01DEG 23M 07S W 346.35 FT - TH S 12DEG 28M 27S W 2104.70 FT - TH S 27DEG 45M 17S W 291.34 FT- TH S 88DEG 39M 09S W 1939.65 FT - TH N 10DEG 29M 08S E 2318.36 FT - TH N 17DEG 11M 49S E 1153.17 FT - TH N 19DEG 29M 19S E 1269.85 FT P.O.B. 133.65 AC - K - 133.65

3.2 Site and Vicinity General Characteristics

The Subject Property is situated between the east side of West Jefferson Avenue and the Detroit River and between Sibley and King Roads, in Trenton, Wayne County, Michigan. The Subject Property has an approximate elevation of 588 feet above sea level and lies 6 to 15 feet above typical nearby river elevations. The Subject Property is occupied by one Main Production Building consisting of fourteen (14) inter-connected process areas and numerous ancillary support structures that were all previously used in the production of steel.

3.3 Current Use of the Property

At the time this Phase I ESA was conducted, the Subject Property consisted of one Main Production Building consisting of fourteen (14) inter-connected process areas and numerous ancillary support structures that were all previously used for the production of steel. A portion of the main building was being used to store large stockpiles of granulated sugar.

3.4 Descriptions of Structures, Roads, and Other Improvements on the Site

3.4.1 General Descriptions of Structures

The Subject Property is currently secured, however, prior vandalism (graffiti), broken windows, and scrapping activities have occurred. The Subject Property is occupied by one former Main Production Building consisting of fourteen (14) inter-connected process areas, all with a combination of concrete floors and paneled facades, and numerous ancillary support structures, consisting largely of concrete floors and brick, block or aluminum facades. In addition to the main structures, there were several smaller structures noted throughout the site that were used for various purposes that were not directly related to steel production. These include pump control houses, railroad and conveyor transfer stations, minor storage areas, and small offices. The center portion of the interconnected main building structure is comprised of three stories with interior concrete structural pillars, basement/separate subgrade areas, and freight elevators; the ancillary support structures are single-story. Utility services are no longer actively provided to the former processing and support buildings. The current onsite buildings/structures are summarized as follows:

- **Main Production Building:** The building consists of one to three-stories with concrete slab and poured (some subgrade/basement areas) foundations, concrete structural pillars, suspected galbestos siding and metal panel roofing. The former process areas housed in the Main Production Building included the following: Slab Handling and Storage, Slab Heating Building, Soaking Pit Building, Scale Pits (2), Motor Rooms, Slab Storage, Slab Conditioning Building, Rolling Mill Building, Pickling Building, Coil and Storage Area, and Building No.'s 1, 2 & 3 Finishing and Shipping. Granulated sugar storage piles were observed on the floor in the Main Production Building at the time of the site inspection.
- **Office/Garage:** Located in the southwest corner of Subject Property (Area 1). The Office Building consists of a two-story structure with a poured concrete foundation and basement (full of water at time of inspection), brick walls, vinyl flooring and a flat rubber roof. A connected garage is adjacent to the southeast of the Office Building and consists of a slab on grade foundation, block walls and a rubber roof. The garage consisted of 3 or 4 service bays and was formerly used to service plant vehicles.
- **River Pump House:** Located in the southeast corner of the Subject Property (Area 1), the River Pump House consists of a single-story structure, with a concrete slab foundation and brick walls. The River Pump House is part of the CWWTP that also includes four (4) clarifiers and several small storage buildings.

- **Locomotive Repair Building:** Located in the southern portion of the Subject Property (Area 3) and adjacent to the south of the Spare Parts Building, the building consists of a single-story structure, with a poured concrete slab foundation and suspected galbestos paneled siding. The building is equipped with a subgrade trench and supported rail spur and was used to conduct maintenance activities on locomotive train engines.
- **Maintenance Building:** Located in the southern portion of the Subject Property (Area 3) and adjacent to the west of the Spare Parts Building, the building consists of a single-story structure, with a concrete slab foundation and suspected galbestos paneled siding. The building was formerly used to conduct maintenance activities on plant equipment.
- **Spare Parts Building:** Located in the southern portion of the Subject Property (Area 3) and adjacent to the east of the Maintenance Building, the building consists of a single-story structure, with a concrete slab foundation and suspected galbestos paneled siding. The building was formerly used to store equipment/vehicle parts, and likely used to conduct some repair/service activities.
- **Substation Building:** Located to the north of the Maintenance and Spare Parts Buildings, the Substation Building consists of a single-story structure of brick wall construction on a concrete slab foundation. The building stores two transformers that were drained by the EPA in 2009.
- **Desulfurization Baghouse:** Located north of the Substation Building, the Desulfurization Baghouse consists of a single-story structure with corrugated panel walls on a concrete slab foundation. The building was formerly used to house air filtration equipment.
- **Machine Shop:** Located to the east of the main building, the Machine Shop Building consists of a single-story structure with an elevated ceiling and suspected galbestos paneled siding on a concrete slab foundation.
- **Wash House:** Located adjacent to north of Machine Shop Building, the Wash House consists of a single-story structure with an elevated ceiling and suspected galbestos paneled siding on a concrete slab foundation. The building was formerly used as locker/shower facility for plant employees.
- **Bag House:** Located to the north of the former Continuous Casting Building, the baghouse structure consists of brick construction with a concrete slab foundation and was formerly used to house air filtration equipment.
- **Gas Cleaning Building:** Located to east of the former Continuous Casting Building, the building appears to be of newer construction, consisting of masonry block walls, a concrete slab foundation and a corrugated metal roof.

3.4.2 Roads

Access to the Subject Property from both West Jefferson Avenue and King Road has been gated and secured.

3.4.3 Potable Water Supply

The Subject Property is supplied with potable water from a public water source provided by the Detroit Water and Sewerage Department (DWSD).

3.4.4 Sewage Disposal System

The Subject Property is supplied with sanitary sewer service by the Trenton Wastewater Treatment Plant. Internal process wastewater was treated on-site at the CWWTP.

3.5 Current Uses of the Adjoining Properties

The Trenton Channel of the Detroit River is adjacent to the east of one of two parcels comprising the Subject Property while a parcel owned by the Riverview Trenton Railroad is east of the second of two parcels. Western adjacent properties, from north to south and across W. Jefferson Avenue, consist of Michigan Foundation Co.,

a car wash, Midwest Cycle Pro, Pullman, Jim's Garage, Trenton Rental Center, KM&M Cement, Trenton Auto Parts, Seaway Mechanical Contractors, two vacant parcels, Sibley Gardens (restaurant) and U Stow N Lock Storage. The adjacent parcel to the south is owned by DSC and is occupied by several buildings and structures that are associated with the CWWTP. The undeveloped adjacent parcel to the north is owned by DTE Energy followed by properties owned by DSC and the Riverview Trenton Railroad. See **Figure 3** for a Site and Surrounding Properties Map.

4.0 User Provided Information and Interviews

The user, the City of Trenton, has no specific knowledge regarding the environmental condition of the Subject Property, however, the City advised ECT to conduct interviews with representatives from the USEPA and MDEQ who have institutional knowledge of the environmental conditions at the Subject Property.

ECT conducted three interviews of USEPA and MDEQ officials with knowledge of the Subject Property. On July 17, 2017, ECT conducted a site walkthrough of the Subject Property with Mr. Brian Kelly of USEPA who served as the On-Scene Coordinator on the Subject Property that oversaw the emergency response activities that were conducted by USEPA in 2009. On July 20, 2017, Mr. David Slayton of MDEQ Waste Division was interviewed who served in a technical capacity regarding the identification of the imminent threats on the Subject Property. On July 24, 2017, Ms. Patricia Thornton of MDEQ Remediation and Redevelopment Division was interviewed who currently serves as the point of contact to USEPA relating to the Subject Property's nomination to the NPL. Their responses, were used to complete the User Provided Information section of this report.

4.1 Title Records

An environmental chain-of-title search was not provided to ECT by the City of Trenton. Files maintained by the City of Trenton Assessor's office and the Wayne County Assessor's office provided the following information regarding title to the Subject Property. Information from the City of Trenton Assessor's office states that Parcel Numbers 54001990006705 and 54001990006706 are owned by DSC. Information obtained by the Wayne County Treasurer's Office updates this information to state that both parcels were acquired through the foreclosure process.

4.2 Environmental Liens or Activity and Use Limitations

A consent order was entered into between DSC and the MDEQ in December 1999. The Order identified 46 Waste Management Units (WMUs) and 33 Areas of Concern (AOCs) at the site. The WMUs were subject to Part 111 of the Michigan Natural Resources and Environmental Protection Act (NREPA)/RCRA and the AOCs were subject to Part 201 of NREPA. The WMUs and AOCs included a sulfuric acid pickling line operation that was resumed by DSC and that is reported to have leaked, causing a low pH groundwater plume extending across the southern half of the property, basements filled with oily water and free phase oily liquids, drum storage areas, and the CWWTP. Site-wide observed contamination primarily consists of metals, VOCs PAHs, PCBs in soil, extreme pH in groundwater and dioxin in soil and river sediments. The extensive soil and groundwater contamination and the concern for the protection of human health and the environment resulted in the need for the consent order.

Mr. Kelly, Mr. Slayton, and Ms. Thornton were asked the following questions as part of the assessment:

- Are you aware of any environmental cleanup liens against the Subject Property that are filed or recorded under federal, tribal, state or local law?

Mr. Slayton was aware of the consent order with MDEQ. He was asked if MDEQ had a priority list for activities addressed in the consent order that were required to be completed by DSC. He replied that a spreadsheet listing all of the cleanup activities covered by the consent order was prepared, but there was no formal priority list. He also stated that DSC ran out of money for cleanup activities shortly after the consent order was enacted, prompting cleanup activities to cease.

Mr. Kelly and Ms. Thornton were also aware of the consent order with MDEQ, but had no knowledge of the details.

- Are you aware of any activity or land use limitations, such as engineering controls, land use restrictions or institutional controls that are in place at the Subject Property and/or have been filed or recorded in a registry under federal, tribal, state or local law?

Mr. Kelly, Mr. Slayton, and Ms. Thornton did not comment or have knowledge of any land use limitations relating to the Subject Property.

ECT reviewed the Michigan Department of Environmental Quality (MDEQ) Remediation and Redevelopment Division (RRD) Perfected Lien List to identify if any environmental liens had been placed on the Subject Property. The Perfected Lien List is updated when the RRD has perfected a new lien on a property, or has released a lien from a property. The list, updated through September 24, 2015, did not identify any environmental liens associated with the Subject Property.

4.3 Specialized Knowledge

Mr. Kelly, Mr. Slayton, and Ms. Thornton were asked the following questions as part of the assessment:

- Do you have any specialized knowledge or experience related to the Subject Property or nearby properties? For example, are you involved in the same line of business as the current or former occupants of the Subject Property or an adjoining property so that you would have specialized knowledge of the chemicals and processes used by this type of business?

Mr. Kelly, Mr. Slayton, and Ms. Thornton do not have any specialized knowledge of the chemicals and processes used in the production of steel.

- Are you aware of commonly known or reasonably ascertainable information about the Subject Property that would help the environmental professional to identify conditions indicative of releases or threatened releases? For example, as user:

- a) Do you know the past uses of the Subject Property?

Mr. Kelly, Mr. Slayton, and Ms. Thornton were all aware that the site was formerly used for steel production.

- b) Do you know of specific chemicals that are present or once were present at the Subject Property?

Mr. Kelly had knowledge of several PCB-containing transformers and capacitors that were located on the Subject Property. He stated that although the PCB oils were drained and removed from the Subject Property, the drained transformers were not flushed and remained on the Subject Property. He also indicated the likelihood of PCB contamination of the concrete and soils where the transformers and capacitors are stored.

Mr. Kelly also stated that the Sedimentation Basin on the Subject Property is a cause for concern as it has a prior history of containing oil. He indicated that DSC used a sound cannon to deter birds which was later determined to have started a fire when the cannon was knocked over into the Sedimentation Basin. The fire required a response visit from the Trenton Fire Department, the U.S. Fish and Wildlife Service and USEPA.

Ms. Thornton stated that she was aware of several environmental issues that exist on the Subject Property with respect to GSI in relation to the Trenton Channel, however, she did not provide any information on specific chemicals.

- c) Do you know of spills or other chemical releases that have taken place at the Subject Property?

Mr. Kelly, served as the On-scene Coordinator for the USEPA who oversaw emergency cleanup efforts that have taken place on the Subject Property since DSC acquired the Subject Property in 1996. He stated that in 2009, USEPA's activities included the identification, location, draining, and removal of the PCB oils within the transformers and capacitors on the Subject Property. He indicated the likelihood of PCB contamination of the concrete and soils where the transformers and capacitors are stored. A summary of the PCB emergency response activities is included in **Appendix G**.

- d) Do you know of any environmental cleanups that have taken place at the Subject Property?

Mr. Kelly, served as the On-scene Coordinator for the USEPA who oversaw an emergency cleanup effort just north of the Subject Property since DSC acquired the Subject Property in 1996. He stated that in 2009, USEPA completed an emergency cleanup of high pH soils that included the lining of a creek on the northern adjacent property resulting from a release that killed a number of fish. At the time, it was unclear whether the Subject Property had been affected by the release.

Mr. Slayton indicated that a spreadsheet listing of the cleanup activities required under the consent order was prepared, but there was no formal priority list. He stated that DSC ran out of money for cleanup activities shortly after the consent order was enacted which prompted cleanup activities to cease, but he did not specify what cleanup activities had taken place. Mr. Slayton also stated that the EAF Disposal Area cleanup on the current Riverview Trenton Railroad parcel east of the Subject Property was completed and closed out.

Ms. Thornton stated that she was not aware of any cleanup response activities other than those being administered by the USEPA.

- Do you know of any pending, threatened, or past litigation relevant to hazardous substances or petroleum products in, on, or from the Subject Property?

Mr. Kelly, Mr. Stayton, and Ms. Thornton did not comment or have knowledge of any pending, threatened, or past litigation relevant to hazardous substances or petroleum products in, on, or from the Subject Property.

- Do you know of any pending, threatened, or past administrative proceedings relevant to hazardous substances or petroleum products in, on, or from the Subject Property?

Mr. Kelly, Mr. Stayton, and Ms. Thornton were all aware of the 1999 consent order and the pending EPA scoring activity related to the placement of the Subject Property on the NPL under the Superfund Program.

- Do you know of any notices from any governmental entity regarding any possible violation of environmental laws or possible liability relating to hazardous substances or petroleum products?

Mr. Stayton indicated that the Waste Management Unit (WMU) associated with the Electric Arc Furnace dust was addressed resulting in a closure letter for the WMU. He also stated that several Baseline Environmental Assessments (BEAs) had been completed for the property, but the only the confirmed BEA was for the 75-acre Riverview Trenton Railroad parcel that is adjacent to the north and east of the Subject Property.

Ms. Thornton was aware of the potential remaining RCRA liability for future users of the property as discussed in the MDEQ Briefing Report dated May 25, 2017 (see **Appendix G**). Ms. Thornton also indicated that an NPDES Permit for the Wastewater Treatment Plant has expired and is not aware of any intention to extend the permit.

4.4 Commonly Known or Reasonably Ascertainable Information

Mr. Kelly, Mr. Stayton, and Ms. Thornton all have knowledge of the past uses of the Subject Property. A summary of their knowledge of the environmental response activities that have taken place, and knowledge of obvious indicators that point to the presence or likely presence of releases at the Subject Property are described in Sections 4.2 and 4.3.

4.5 Valuation Reduction for Environmental Issues

Mr. Kelly, Mr. Stayton, and Ms. Thornton did not comment on whether the purchase price reasonably reflects the fair market value of the Subject Property.

4.6 Owner, Property Manager, Occupant Information

The Wayne County Treasurer's Office, by acquisition via tax foreclosure, is currently the owner and manager of the Subject Property. Wayne County provides 24-hour security to the Subject Property from both the West Jefferson Avenue and King Road entrances.

4.7 Reason for Performing Phase I ESA

The reason for performing this Phase I ESA is to evaluate the presence of RECs as part of environmental due diligence of the Subject Property in preparation of a potential transfer of the Subject Property from the Wayne County Treasurer's Office to the City of Trenton.

5.0 Records Review

The following section presents the results of a review of regulatory agency file information and ECT's historical records review, including aerial photographs, topographic maps, Sanborn Fire Insurance maps, and City Directories pertaining to the Subject Property, adjacent properties, and proximate properties.

5.1 Previous Investigations and Government Records

ECT reviewed several environmental work plans and investigation reports that were obtained from the MDEQ and USEPA through Freedom of Information Act (FOIA) requests. The first report identified from the file review was dated in August 1996, soon after Detroit Steel Company, Ltd. (DSC), acquired the Subject Property. The following is a list of the documents reviewed in support of the preparation of this Phase I ESA:

The Techna Corporation (Techna) prepared several work plans and an investigation summary report in 1997. The reports reference prior work completed by Clayton Environmental, Inc., (Clayton) related to an Electric Arc Furnace (EAF) Area closure, however, no specific documentation of the activities undertaken by Clayton was found during the review of MDEQ's files. A listing of Techna's work plans and summary reports are as follows:

- *Work Plan Summary – Initial Site Assessment*, July 1, 1997
- *Conceptual Environmental Response Work Plan*, July 9, 1997
- *Response to July 10, 1997, MDEQ Comments on Initial Assessment Approach*, July 14, 1997
- *Preliminary Assessment Data -DSC Trenton and Gibraltar Plants*, August 25, 1997

The results of the investigation determined the following:

- The pH values from groundwater samples collected from several monitoring wells on the Subject Property ranged from 0.85 to 12.69.
- Groundwater analytical results indicated the presence of VOCs, PAHs, and metals above Part 201 Generic Cleanup Criteria (GCC).
- Soil analytical results indicated the presence of PAHs and metals above Part 201 GCC.

The Comprehensive Corrective Action and Remedial Consent Order (CCARCO), dated December 2009 between DSC, the MDEQ and USEPA to address several Waste Management Units (WMUs) and Areas of Interest (AOIs). The WMUs and AOIs identified in the CCARCO are RECs in connection to the Subject Property.

Environmental Strategies Corporation (ESC) prepared several work plans and conducted site remediation and investigation activities related to the CCARCO. ECT reviewed the quarterly project status reports between March 2000 and January 2002. A list of the notable reports is summarized below:

- *Interim Measures Work Plan*, March 17, 2000

- *Quarterly Project Status Reports* - May 2000, August 2000, November 2000, February 2001, May 2001, August 2001, November 2001, and January 2002.

A summary of the remedial activities and sampling occurring in relation to the CCARCO are as follows:

- Metals above Part 201 GCC from samples collected from debris piles were noted in the 2000 1st quarter report.
- Soil samples containing semi-volatile organic compounds (SVOCs) and groundwater samples containing SVOCs, PCBs, metals concentrations above Part 201 GCC were noted in the 2000 2nd quarter report.
- The 2000 3rd quarter report documented the removal of 114,925 pounds of PCB capacitors, 312,598 pounds of PCB liquid from transformers, and the draining and removal of a 10,000-gallon kerosene AST that was identified as AOI-70.
- The 2001 2nd quarter report documented the removal of the material associated with WMU-12 at the CWWTP grit pile. Two soil samples collected under the grit pile indicated that manganese, selenium, silver and vanadium were above site Groundwater/Surface Water Interface (GSI) and state default background levels. Portions of the concrete walls and floors of the EAF Dust Storage Tanks (WMU-31) were demolished and placed in the tanks once samples confirmed concrete below cleanup criteria.
- The 2001 3rd quarter report documented the removal of additional material associated with WMU-12 at the CWWTP grit pile. Post removal soil sampling indicated that manganese, silver and zinc still exceeded the GCC. Groundwater samples were collected from monitoring wells that were installed as part of the Groundwater Plume Investigation indicated that arsenic, beryllium, total chromium, copper, cyanide, lead, manganese, vanadium, and zinc were above cleanup criteria. No VOCs or SVOCs were detected above cleanup criteria in any groundwater sample.
- In the 4th Quarter of 2001, additional groundwater samples were collected as part of the *Groundwater Plume Investigation*.

O'Brien & Gere Engineers, Inc. also collected soil and groundwater data concurrently with ESC's activities that was intended to develop a risk-based remedial plan to address the groundwater components of the CCARCO. The analysis of groundwater sampling that was summarized in the *Final Report, Groundwater Plume Investigation AOC-1*, of December 2001 indicated the presence of barium, beryllium, cyanide, copper, chromium, lead, manganese, mercury, selenium, vanadium, ethylbenzene, phenol and PCBs exceeded Part 201 GCC.

NTH Consultants (NTH) conducted investigation activities between 2005 and 2006 to address specific RCRA, (TSCA and groundwater issues on the site from a due care perspective. Most of the data collected from investigation is provided in documents dated October 11 and October 20, 2005, due care. A list of the notable reports is summarized below:

- *Proposed Groundwater Management Approach, Former McLouth Steel Redevelopment Site*, July 20, 2005
- *Draft Soil and Groundwater Analytical Data, Former McLouth Steel Redevelopment Site*, October 11, 2005
- *Project Memorandum, Addendum #5, Site Investigation Activities, Former McLouth Steel Redevelopment Site*, October 20, 2005
- *Draft Work Plan for Remediation of PCB Related Materials (TSCA Work Plan)*, December 2005
- *Draft Pollution Minimization Plan (PMP)*, December 2005
- *Work Plan for RCRA Closure Activities (RCRA Work Plan)*, December 2005-Revised March 2005
- *Michigan Brownfield Redevelopment Financing Act 381 Work Plan to Conduct MDEQ and MEGA Eligible Activities, Former McLouth Steel Redevelopment Site*, January 2006

NTH concluded that most contaminants above criteria are not expected to discharge to the river, no ongoing sources are present, and any removal of source areas will only improve the site conditions. The main concern pertained to whether or not the groundwater with high pH and cyanide could impact the river itself. The analysis of groundwater samples indicated that VOCs, SVOCs, PCBs, cyanide, pH, beryllium, iron, manganese, copper, chromium, lead, mercury, vanadium, and zinc were detected above the GCC.

The investigation completed in September 2005 was presented in the *Draft Soil and Groundwater Analytical Data and Project Memorandum, Addendum #5, Site Investigation Activities*, however, the documents reviewed only included a summary of the work conducted, tables and maps showing the analytical results, and an updated map showing sample locations. ECT was not able to review the entire report during the FOIA review due to missing information, such as water level data, groundwater flow maps, slug test results, and soil boring logs. The portion of the report that was reviewed was a hazardous materials survey that included an inspection and quantification of PCB-containing devices, (152), transformers (3,744) large capacitors, several thousands of ballasts, 55-gallon drums labeled PCBs (28), waste bags (4) or boxed labeled PCBs, and an estimated 30 large transformers that were still operating.

The results of groundwater samples that were collected indicated the presence of the following chemicals at levels above one or more of the GCC:

- Metals – antimony, arsenic, boron, cadmium, lead, manganese, mercury, selenium, and silver.
- VOCs – benzene, ethylbenzene, xylenes, and trimethylbenzenes
- SVOCs - acenaphthene, carbazole, dibenzofuran, fluorene, fluoranthene, methylphenol, naphthalene, and phenanthrene.
- Other – cyanide, ammonia 3.8%, and pH

The results of several groundwater samples that were collected indicated the presence of the following chemicals at levels above one or more of the GCC:

- Metals – chromium VI, mercury and vanadium.
- VOCs – chlorobenzene, ethylbenzene, xylenes, trimethylbenzenes, and tetrachloroethene.
- SVOCs – bis(2-ethylhexyl) phthalate, carbazole, fluoranthene, phenol, naphthalene, and phenanthrene.

In June 2007, the FOIA records document an incident where the Sedimentation Basin (AOC-1) caught fire. During the fire, first responders made note of numerous containers and tanks containing hazardous substances, and reported these findings to the MDEQ. An internal MDEQ Staff Report, dated June 27, 2007, documented an MDEQ inspection of the site in conjunction with the Trenton Fire Department, the USEPA and the US Fish and Wildlife Service. The report identified the presence of numerous pails, drums, tanks, and PCB containing capacitors and transformers that were determined to present an immediate threat to human health and the environment, resulting in a violation letter that required a response by the owner. As a result, 800 pails and drums of calcium carbide and 291 containers of hazardous materials or oil/grease were removed from the site by the owner under the oversight of the MDEQ. In addition, the USEPA engaged a Superfund Technical Assessment and Response Team (START) Contractor to assist with a site assessment of the hazards. The *DSC Trenton Site Letter Report*, dated October 29, 2007, was submitted to USEPA summarizing site walk observations, a description of site conditions, observed potential threats to human health and the environment, and recommendations for a time-critical removal of hazards. Approximately 3,700 PCB capacitors of which 70 capacitors were actively leaking or had leaked in the past were identified.

In September 2008, a Unilateral Order of Consent (UAO) was issued requiring removal of hazardous materials with an implementation schedule. After failing to comply with the implementation schedule, the USEPA initiated an emergency response to remove 3,744 PCB capacitors, 39,783 gallons of PCB oils from transformers, and 1,877 containers of other hazardous waste in May 2009.

An internal USEPA memorandum dated May 11, 2011 was reviewed that documents support of the RCRA program to address the contamination under Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA). USEPA then initiated steps to assess the site for ranking on the NPL under CERCLA with the assistance of the MDEQ. In 2014 the MDEQ prepared several assessment reports for the USEPA that are summarized below:

- *CERCLA Re-Assessment Report for McLouth Steel Corp*, December 5, 2014
The report provided a regulatory and investigation history of the site that included a list of potential sources of contamination on site, including surface impoundments, drums/tanks, contaminated soil areas, piles of debris and waste materials, and other sources. The report also summarized likely exposure pathways, including groundwater, surface water, soil contact, and air inhalation.
- *Expanded Site Inspection Work Plan for McLouth Steel Corp*, October 15, 2015
The report provided general information about the site, remaining waste units, investigation history, site reconnaissance findings, a discussion of exposure pathways, and a proposed sampling plan for surficial soils, wastes, deep soils, groundwater, sediments, and surface waters.
- *Expanded Site Inspection Report for McLouth Steel Corp*, July 3, 2017
The report documented addressed the data requirements of the revised Hazard Ranking System (HRS) for NPL placement, provided information to enable prioritizing sites on the NPL, and provided the framework to develop work plans for future work, as appropriate. Specifically, the report addressed:
 - Site background that included operational history, waste characteristics and regulatory history
 - Reconnaissance activities that included a site representative interview and inspection observations.
 - Sampling procedures and analytical results for site wastes, surficial soil, soil borings, groundwater and surface water, and sediment samples.
 - A discussion of migration pathways, including groundwater, surface water, soil exposure, and air.

The data from the site inspection analytical results suggest that various contaminants are ubiquitous across the Subject Property. PCBs and SVOCs were the most prevalent contaminant, occurring in soil samples from the southern, eastern and northern portions of the Subject Property, as well as in the sediments along the eastern river bank. VOCs were detected in soil that are likely related to specific releases of fuel, solvents, or other concentrated sources. VOCs and SVOCs in groundwater were found at the southeast portion of the Subject Property, near the Trenton Channel Ship Loading Docks. Inorganic compounds including arsenic, cyanide, and metals, all of which have adverse health or environmental were identified at elevated concentrations in several surface and subsurface soil samples. Mercury was not identified in the groundwater samples. Nearly all of the sediment samples were impacted by PCBs, metals, and SVOCs.

A complete list of RECs is included in Section 7.1. However, a portion of the RECs can be attributed to previous site investigations and the review of reports documenting those investigations (Section 5.1), the records review (Section 5.2) and the visual observations made during the site reconnaissance

(Section 6.0). Therefore, subsets of these RECs are included within those sections in addition to the complete list in Section 7.1.

Review of these documents has identified the following RECs in connection with the Subject Property:

Table 5.1 Review of Previous Investigations RECs

Area		REC	Description
		SP-1	Sampling data collected from the Subject Property document extreme pHs in groundwater. Contamination from VOCs, PAHs, Metals, and PCBs have been identified on the Subject Property at levels that exceed the GCC.
		SP-2	The Comprehensive Corrective Action and Remedial Consent Order (CCARCO), dated December 2009 between DSC, the MDEQ and USEPA to address several Waste Management Units (WMUs) and Areas of Concern (AOCs) is a REC in connection to the Subject Property.
		SP-3	The establishment of a Unilateral Order of Consent (UAO) requiring removal of hazardous materials from the Subject Property after the on-site Sedimentation Basin caught fire. An emergency response USEPA enacted after the owner failed to comply with the terms of the UAO.
		SP-4	The candidacy of the Subject Property for inclusion on the NPL list by the USEPA is a REC in connection to the Subject Property.
1		1-19	The 2006 NTH report identifies a former Drum Storage Area as AOI-33 which is located southeast of the main parking area. The report states that soil in the area was impacted from a former Drum and Oil Hopper Storage Area. The investigation conducted in support of the 2006 report revealed physical evidence of a release.
		1-24	The 2006 NTH report identifies a former sludge filter press as WMU-13, which was located north of the western-most clarifier. No longer present, the area was used as the "CWWTP filter press building where trucks or roll-off boxes were filled with filter cake. It is believed that the building was converted from the old elevated ore screening house where trucks drove beneath and were loaded from above. Any release to the environment would have occurred from the surface."
		1-25	The entire CWWTP was identified in the 2006 NTH report as WMU-15. The CWWTP is comprised of "grit chamber, three clarifiers, sludge thickener, and former filter press building. Treatment included acid and lime pH adjustment, and sedimentation of process waters, mainly from the hot strip line."
2		2-13	A facility map within the Main Office Building indicates a former PCB Release area within the main building, north of the Roll Milling area. The status of the cleanup of the release is unknown.
		2-34	The west process sewer, located to the southwest of the Locomotive Repair Shop was identified in the 2006 NTH report as WMU-4. The sewer transported wastewater from the Sedimentation Basin, the Locomotive Roundhouse and the Coil Storage Area to the CWWTP.
		2-35	The spent pickle acid sewer #1, located between the No. 3 Finishing and Shipping Building and the Sedimentation Basin was identified in the 2006 NTH report as WMU-5. The sewer transported sulfuric and hydrochloric acids associated with coil steel only.
		2-36	The west process sewer, located south of the former Machine Shop Building was identified as WMU-3 in the 2006 NTH report. The sewer carried process wastewater from scale pits and sumps associated with the continuous casting, slab heating, hot rolling, and finishing operations.
		2-37	A transformer release was identified as AOI-48 in the 2006 NTH report. The area identified consists of a former concrete transformer pad located east of the Machine Shop Building. Past sampling efforts indicate that PCBs still remain on the concrete.
		2-38	Barrel Area #4 was identified in the 2006 NTH report as AOI-65. The area is identified as a concrete floor that was used for temporary drum storage.

		2-39	A suspected release from the former Paint Shop Building, located north of the Recirculating Water System was identified as AOI-40 in the 2006 NTH report. The report states that the release had not been confirmed. Paints and solvents were used in this location for building and maintenance locations.
		2-40	The former Drum Storage Area #3, located west of the Baghouse, was identified in the 2006 NTH report as AOI-46. The area was formerly used to store empty drums of lubricants.
		2-41	An unconfirmed release of PCBs at the north end of the Rolling Mill was identified as AOI-66 in the 2006 NTH report.
3		3-22	Ore Yard #1, located east of the former Blast Furnace Areas, was noted in the 2006 NTH report.
		3-23	The 2006 NTH report identifies the Desulfurization Bag House Load Out Area as WMU-41, which is located south of the former Continuous Casting and Melt Shop Buildings. The area beneath the Baghouse structure was used to fill roll-off boxes with fines.
		3-24	The former De-kishing Pit, located north of the No. 2 Slag Pit was identified in the 2006 NTH report as AOI-35. The area was used for the removal of slag from iron transportation rail cars.
		3-25	A former pond area, located adjacent to the former De-kishing Pit was identified in the 2006 NTH report as AOI-36. The pond was used for storage of unknown materials.
		3-26	The east process sewer, located between the No.2 Slag Pit and the former Air Separation Plant was identified in the 2006 NTH report as WMU-16. <i>"The sewer serviced the east portion of the Melt Shop, the gas cleaning systems, the Air Separation Plant, and the Blast Furnaces."</i>
		3-27	The spent pickle acid sewer #2, located between the former Boiler House and the Spare Parts Building was identified in the 2006 NTH report as WMU-7. The sewer transported neutralized spent pickle acid from the Acid Neutralization Plant.
		3-28	The former Large Pond #3, located east of the Blast Furnaces, was identified in the 2006 NTH report as AOI-34. The pond was used for storage of unknown materials.
		3-29	A former slag processing plant, located south of the former Boiler House, was identified in the 2006 NTH report as AOI-59. The area was previously used for the resale of processed slag.
4		3-30	The former centrifuge sludge pit, located north of the former Sinter Building, was identified as WMU-9 in the 2006 NTH report. The pit consisted of earthen dikes that stored sludges and oily waters.
		4-17	An iron pellet storage area, located west of the Detroit River shoreline, was noted in the 2006 NTH report.
		4-18	A limestone storage stockpile area, located east of the former Gas Cleaning Building was noted in the 2006 NTH report.
		4-19	Ore Yard #2, located north of the limestone storage stockpile area, was noted in the 2006 NTH report. The report also identifies that part of Ore Yard #2 was occupied by a pond of which its purpose and contents were unknown (AOI-37).
		4-20	The 2006 NTH report identifies a large area that was previously occupied by the Melt Shop Storage Building where iron was converted into steel as AOI-22. "Five air pollution control systems were used in conjunction with the process. Cooling water and associated scale were directed to the Concast Scale Pit" and process wastes in the building "were never managed in the building". Also noted within the Melt Shop Building is WMU-32, the Kish Control Baghouse Load Out Area where roll-off boxes were filled with fines.
5		5-6	The 2006 NTH report identifies AOI-45 as former Drum Storage Area #2 for chemicals and lubricants, and WMU-28 as Drum Storage Area #1, within Area 5.
		5-7	The 2006 NTH report identifies AOI-70 as an area formerly occupied by an AST, with no secondary containment, that stored kerosene
		5-8	According to the 2006 NTH report, a portion of the area was occupied by a Mold Preparation Building, which has since been demolished.

The Subject Property was listed in the online Michigan Department of Licensing and Regulatory Affairs (DLARA) UST database. Two (2) releases of an unknown substance were recorded on July 13, 1990 and May 24, 1990. The status of both releases remains open. An additional, bare steel tank of 6,000 gallons storing gasoline with a status of “removed from ground” was also included in connection with the Subject Property.

5.2 Standard Environmental Record Sources

Regulatory agency database information was obtained from Environmental Data Resources, Inc., (EDR), which maps and lists properties in federal and state environmental databases with existing conditions or status that may have the potential to affect the Subject Property. The EDR Radius Map™ Report with Geocheck® is provided as **Appendix A**.

5.2.1 Federal and State Environmental Record Sources

The EDR Report identified 98 sites, of which 96 were plotted on a street map, while 2 sites were listed as “orphan sites” (orphan sites that could not be plotted on a street map due to insufficient address information). Table 5.2.1 provides a summary of the databases that were reviewed in accordance with the ASTM E 1527-13 requirements.

Table 5.2.1 Regulatory Database Information

Type	Regulatory Agency Database	Approximate Minimum Search Distance	Subject Property Listing	Number of Sites within Minimum Search Distance
Federal	National Priority List (NPL) Sites	1 mile		0
Federal	Delisted National Priority List (NPL) Sites	1 mile		0
Federal	Superfund Enterprise Management System (SEMS) formerly known as Comprehensive Environmental Response, Compensation, and Liability Information System (CERCLIS) Sites	½ mile	✓	7
Federal	SEMS-ARCHIVE, formerly known as the CERCLIS No Further Remediation Action Planned (NFRAP) Sites	½ mile		3
Federal	Resource Conservation and Recovery Act (RCRA) Corrective Action Report (CORRACTS) Sites	1 mile	✓	4
Federal	RCRA non-CORRACTS Treatment, Storage or Disposal (TSD) Sites	½ mile		2
Federal	RCRA Large Quantity Generators (LQG) Sites	¼ mile		1
Federal	RCRA Small Quantity Generators (SQG) Sites	¼ mile		0
Federal	RCRA Conditionally Exempt Small Quantity Generators (CESQG) Sites	¼ mile		7
Federal	Institutional/Engineering Controls	½ mile		0
Federal	Emergency Response Notification System (ERNS)	Site	✓	12
State	State and Tribal Equivalent CERCLIS (SHWS)	1 mile		0
State	Solid Waste Disposal/Landfill (SWF/LF) Sites	½ mile		1
State	Leaking Underground Storage Tanks (LUST)	½ mile	✓	9

State	Underground Storage Tanks (UST)	¼ mile	✓	4
State	Institutional/Engineering Controls (MI AUL)	½ mile	✓	4
State	Voluntary Cleanup Program (VCP)	½ mile		0
State	Brownfields	½ mile	✓	2
State	Baseline Environmental Assessments (BEA)	½ mile	✓	5
State	MI SPILLS	TP only	✓	4

The Subject Property at 1491 W. Jefferson Avenue has been identified in the EDR report under the following databases as the entity indicated in parentheses: SEMS (Riverview Trenton Railroad Site; Detroit Steel Co.; DSC-Trenton), CORRACTS (Detroit Steel Co.), RCRA NonGen/NLR (Detroit Steel Company), ERNS (1491 W. Jefferson Ave.), LUST (McLouth Steel Products; Detroit Steel Co.), UST (Detroit Steel Co.), MI AUL (DSC-Trenton Plant), Brownfields (Michigan Site Network), BEA (McLouth Steel Trenton, DSC-Trenton Plant; Detroit Steel Co.) and MI SPILLS (1491 W. Jefferson Ave.; DSC-Trenton Plant).

The Riverview Trenton Railroad (RTRR) Site was listed at the Subject Property in the SEMS database (EPA ID MIN000510380). The site was not listed on the NPL list, with a Non-NPL status date of June 15, 2009. The RTRR site (a.k.a McLouth Steel) was identified as the northern portion of the former steel manufacturing facility located along the Detroit River and was reportedly owned by Crowne Enterprises, Inc. On July 15, 2009, MDEQ notified the USEPA of high pH leachate emanating from the Subject Property. EPA notified the owner (Crowne) that they were the responsible party. Notice letters were issued in August 2009, a unilateral administrative order was issued on June 17, 2010, a non-NPL potentially responsible party (PRP) search was completed in April 2011, and a PRP emergency removal action directive was issued on April 24, 2011. Contaminant removal was initiated on April 24, 2011 and completed on October 14, 2011; the site contamination was reported as “stabilized.”

Michigan Department of Natural Resources and Environment (MDNRE) was listed at the Subject Property in the RCRA NonGen/NLR database. The MDNRE registered as such in June 2009 (EPA ID# MIK226366870) for the former generation of D001 (ignitable) wastes under the ownership of Detroit Steel Co.; no violations were reported.

Detroit Steel Company (EPA ID MID017422304) was listed at the Subject Property in the SEMS database. The site was not listed on the NPL and an ESI start was listed as needed. No other pertinent information was provided.

DSC-Trenton (EPA ID MIN000510214) was also listed at the Subject Property in the SEMS database. On June 14, 2007, EPA responded to a fire in an oil pit at the Subject Property. A survey of the Subject Property discovered numerous drums and containers of wastes. The facility was under a State Order for cleanup but reportedly was not complying. There were apparently extensive multimedia issues at the site and scoring for the NPL reportedly may have been required. The site was discovered in June 2007; Notice Letters were issued in November 2007; the responsible party (Detroit Steel Co., LLC) was identified in January 2008 and ordered to initiate response actions on September 2, 2008. Site cleanup was initiated on May 12, 2009 and completed on October 2, 2009.

Detroit Steel Co. was listed in the CORRACTS database (EPA ID MID17422304). Eight (8) corrective actions were identified as having occurred at the Subject property between July 1991 and May 2011. In July 1991, a determination of need for an RCRA Facility Investigation (RFI) was conducted, which subsequently determined

that an RFI was necessary. An RFA (RCRA Facility Assessment) was completed in July 1991 and the facility was designated with a medium Corrective Action (CA) priority. Another RFA was initiated at the Subject Property in January 1998 and completed in September 1998. In May 2011, the CA responsibility was referred to a Non-RCRA Federal Authority (CERCLA); no other pertinent information was provided.

Detroit Steel Company (MID017422304) was listed in the RCRA NonGen/NLR database as having registered as such on April 2, 2008. The facility, identified as McLouth Steel-Trenton Plant and Detroit Steel Company was historically registered as a large quantity generator (LQG) of hazardous wastes (D001-ignitable wastes) from February 1990 through March 2006, and as a small-quantity generator (SQG) in 2002 and 2004. The corrective actions summary indicated that a RCRA Facility Assessment (RFA) was completed in July 1991 after which a RCRA Facility Investigation (RFI) was deemed necessary. A medium correction action priority was assigned to the site in September 1991 and again in December 1992. An RFA was reported as being initiated in January 1998 and completed in September 1998. The corrective action responsibility was referred to a non-RCRA Federal Authority (CERCLA). The facility has received numerous compliance violations between the years 1984 and 2001; the enforcement actions of which were listed as either “written-informal” or associated with the corrective action order; most of which were reported as having corresponding dates of compliance.

Twelve (12) ERNS listings were identified in the database report at the Subject Property:

- NRC#614622, April 8, 2003 – release of yellowish-brown sludge oil into a drainage ditch from an unknown source on the east side of Subject Property. Ditch is a possible tributary of Detroit River. No remedial action taken at the time.
- NRC#161872, March 11, 1993 – a sheen from an unknown source of approximately 2' x 5' and/or 5' x 15', exhibiting a “dull haze” was reported emanating from the Subject Property into the Detroit River. A sorbent boom was reportedly deployed. Substance released was reported to be an unknown oil or unreported quantity.
- NRC#161874, March 8, 1993 – an unknown sheen was reported exhibiting many small ½-inch sheens and a 6" x 150' sheen/rainbow. The sheen was emanating from the Subject Property into the Detroit River and a sorbent boom was deployed.
- NRC#741417, November 15, 2004 – approximately 20 gallons of pyranol was released from a pad-mounted transformer that was damaged during moving. A remediation contractor was hired and absorbents and booms were placed around the spill, which was contained to the concrete pad beneath the transformer and the immediately surrounding soil.
- NRC#756082, April 18, 2005 – release of approximately 260 gallons of mineral oil from a pole-mounted transformer being moved by a forklift, due to operator error. Release was contained to concrete and soil beneath the transformer and absorbent material was used for cleanup.
- NRC#618339, July 30, 2002 – approximately 45 gallons of asphalt emulsion was released into the Trenton Channel at the Subject Property from a tanker truck due to a valve that was left open due to operator error. No cleanup activities were reported.
- NRC#155022, January 25, 1993 – a sheen of unreported origin and size was reported emanating from the Subject Property into the Trenton Channel. An absorbent/containment boom was deployed; no other cleanup activities or pertinent information was provided.
- NRC#163899, March 24, 1993 – an approximately 6' x several hundred feet sheen was created when an unreported volume of oily wastewater was released to the Detroit River during cleaning of a containment sump. Sorbent booms were deployed and the water flow from the sump was stopped.
- NRC#195257, August 30, 1993 – a sheen of unknown origin and size, exhibiting a flat gray color, was observed emanating from the Subject Property into the Trenton Channel and Detroit River.

Absorbent booms were placed around the outfall area and a second set of absorbent booms were placed downstream of the outfall.

- NRC#192943, August 17, 1993 - a sheen of unknown origin and approximately 1' x 150', exhibiting a blue/gray color, was observed emanating from the Subject Property into the Trenton Channel and Detroit River. Neither the material nor the volume released was reported. Absorbent booms were deployed in response.
- NRC#109374, March 5, 1992 - a sheen of unknown origin and size was observed emanating from the Subject Property into the Detroit River. Neither the material nor the volume released was reported. No remedial response actions were reported.
- NRC#162071, March 13, 1993 - a sheen of approximately 10' wide, exhibiting a dull color and the result of a storage tank leak, was observed emanating from the Subject Property into the Trenton Channel tributary of the Detroit River. Neither the material nor the volume released was reported. Absorbent booms were deployed and the material was being recovered with skimmers.

McLouth Steel Products was listed at the Subject Property in the Recovered Government Archived (RGA) LUST database for the years 1997 through 2000; no other pertinent information was provided. The RGA LUST 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 Michigan Department of Environmental Quality.

Detroit Steel Company was listed in the LUST database for two releases having occurred on May 24, 1990 (C-0917-90) and July 13, 1990 (C-1252-90); both releases were reported as remaining open and no other pertinent information was provided.

Detroit Steel Company was listed in the UST database as having previously maintained one 6,000-gallon steel gasoline UST (ID WHS1) at the Subject Property. The UST was installed in January 1965 and was reportedly removed from the ground on September 30, 1990.

DSC-Trenton Plant was listed in the Michigan Activity Use Limitations (MI-AUL) database under MDEQ-Part 201 on January 14, 2016. The land use restriction type was listed as Restrictive Covenant (RC). The MI-AUL status was listed as rescinded. The lead division was listed as RRD-Superfund (SF).

The Subject Property address was listed in the Brownfields database as Michigan Site Network; no other pertinent information was provided concerning this listing.

DSC-Trenton Plant was listed in the BEA database. A BEA (1312) was submitted on March 7, 2001 by Riverview Trenton Railroad Company under the "no hazardous substances" category; no petition for MDEQ determination was requested.

McLouth Steel Trenton (Former)/Detroit Steel Company was listed in the BEA database under three different BEA numbers. Two BEAs (1190 and 1191) were submitted on August 21, 2000 by a private entity under the "no hazardous substances" category; both BEAs were affirmed by the MDEQ. The third BEA (1237) was submitted on November 2, 2000 by a private entity under the "no hazardous substances" category; no petition for MDEQ determination was requested.

1491 W. Jefferson Avenue was listed in the MI SPILLS database for a release spent pickle liquor at the Subject Property on February 7, 2003. The spent pickle liquor reportedly escaped secondary containment due to a breach. A sump reportedly diverted the remaining pickle liquor to the onsite wastewater treatment plan, and

the vacuum truck removed the remaining material. The release was reportedly confined to the Trenton Channel and did not reach the Detroit River. Another release was reported at the Subject Property address on November 15, 2004 as the result of a leak from a transformer discovered while moving. The transformer was damaged during the moving resulting in a release of Pyranol onto the concrete floor.

DSC-Trenton Plant was also listed in the MI SPILLS database for a release mineral oil at the Subject Property on April 18, 2005. A forklift reportedly damaged the drain valve on the transformer while moving it causing a release of approximately 260 gallons of mineral oil onto a concrete pad and the soil around the pad. The spill was reportedly in the process of being cleaned up.

Further review of sites identified in the EDR report that are adjacent to the Subject Property were evaluated for potential environmental concerns. Properties listed in relevant databases are discussed below in the following paragraphs.

Edward C Levy Co. (55 King Road): This site is located adjacent to the south-southwest of the Subject Property and is listed in the RCRA-CESQG database for the generation of small quantities of hazardous wastes. No compliance violations are documented in connection with this property.

Anteau Property (34891 W. Jefferson): This site is located adjacent to northwest of the Subject Property and was listed in the RGA LUST database. No further information was provided.

DTE Energy Site (W. Jefferson Ave. at Sibley Road): This site is located adjacent to the west of the Subject Property and is listed in the U.S. Brownfields database. The property description is “sewer right-of-way, pump house, and storage yard. Solvay Process Co., North Trenton Pump House, Dept. of Public Works, McLouth Steel, DSC and DTE Energy. The soils were reportedly cleaned up at the site; however, groundwater was affected but no institutional controls were reportedly required.

Edward Levy Site (83 King Road): This site is located adjacent to the south of the Subject Property and is listed in the SEMS database (EPA ID#MIN000510944). The site is not on the NPL and is listed as a removal only site; no site assessment work necessary. The removal action, designated as “potentially responsible party emergency removal”, at the site was initiated on April 24, 2013 and completed on April 26, 2013. The site priority level was listed as “stabilized”. No other pertinent information was provided.

Trenton Riverfront (W. Jefferson Ave.): This site is located adjacent to the west of the Subject Property and is listed in the U.S. Brownfields database. The property size is listed as 16.75 acres and a Phase I ESA was reportedly conducted. No other pertinent information was provided and there are no current compliance violations documented.

Jefferson Ave. Caustic Spill (SE Corner of Jefferson & Ford): This site is located adjacent to the north of the Subject Property and is listed in the SEMS database (EPA ID#MIN000508173). The site is not on the NPL and is listed as a removal only site; no site assessment work necessary. The MDEQ reportedly called USEPA to report discolored soils and a liquid with a pH of 12-13 in a ditch on the side of the road. The origin of the release is reportedly unknown. The removal action at the site was initiated on May 9, 2001 and completed on June 6, 2001. The site priority level was listed as “cleaned up”. A non-NPL potential responsible party search was reported completed on February 2, 2005. No other pertinent information was provided.

Grand Trunk Railroad Co. of MI (Jefferson & Ford Road): This site is located adjacent to the north of the Subject Property and is listed in the RCRA NonGen database. The site registered as such in June 2001 and had generated small volumes of D001 (ignitable) wastes. No compliance violations were reported.

Structural Preservation Systems (280 W. Jefferson Ave.): This site is located adjacent to the west of the Subject Property and is listed in the RCRA/NonGen database. The site registered as such in May 2001 and had generated small volumes of D001 (ignitable) wastes. No compliance violations were reported.

U-Stow-N-Lock (1260 W. Jefferson Ave.): This site is located adjacent to the southwest of the Subject Property and was listed in the BEA database. A Category N (no hazardous substances) BEA was submitted for this site by American Tower Corporation on May 9, 2002, which was affirmed by MDEQ.

Pinefresh Auto Wash Inc. (200 W. Jefferson Ave.): This site is located adjacent to the west of the Subject Property and is listed in the RCRA NonGen database. The site registered as such in May 2002 and had generated small volumes of D001 (ignitable) wastes since November 1999. No compliance violations were reported.

Eckles Automotive (1240 W. Jefferson): This site is located adjacent to the west of the Subject Property and was listed in the EDR Historical Auto Stations database for the years 2012 and 2013. This site does not appear in other databases.

Boats-R-Us (18110 W. Jefferson): This site is located adjacent to the north of the Subject Property and is listed in the aboveground storage tank (AST) database. The site previously maintained two 1,000-gallon liquid propane gas (LPG) tanks that were removed from the site in June 2002 and May 2008; no releases were reported.

Jim's Garage (344 W. Jefferson): This site is located adjacent to the west of the Subject Property and was listed in the Historical Auto Stations database for the years 1986 through 2014. Based on the length of time this site had been used for automotive repair activities.

D&K Managing Consultants LLC d/b/a Motor City PLT Svcs (230 W. Jefferson Ave.): This site is located adjacent to the west of the Subject Property and is listed in the RCRA-CESQG database. The site registered as such in May 2010 for the generation of small volumes of batteries, lamps and D001 (ignitable) wastes. No compliance violations were reported.

Michigan Foundation Concrete (110 W. Jefferson Ave): This site is located adjacent to the west of the Subject Property and is listed in the AST, RCRA-CESQG, RCRA NonGen/NLR, UST and LUST databases. The site previously maintained one 25,000-gallon AST containing a substance designated "FL", which was removed from the site in September 2010. The RCRA-CESQG listing indicates that the site registered as such in April 2004 and had generated small volumes of D001 (ignitable) wastes since December 1996. The RCRA NonGen listing indicated the site was a non-generator in 2001. No compliance violations were reported. The UST listing indicated one 1,000-gallon steel UST containing gasoline was removed from the ground in January 1997. The LUST listing indicated a release was reported in association with the removal above-reference UST on February 6, 1997; the release case was closed on October 18, 2000.

Edward C. Levy Co. (1601 W. Jefferson Ave.): This site is located adjacent to the south of the Subject Property and was listed in the CORRACTS, RCRA-TSDF and RCRA-NonGen/NLR databases. The CORRACTS listing indicates the Subject Property (EPA#MID000721753) was identified as a low corrective action (CA) priority and an RFI was deemed unnecessary. The RCRA-TSDF listing indicates that the site registered as such in January 1995 for the treatment, storage and/or disposal of D001 (ignitable) wastes beginning in 1980. Numerous compliance violations were reported at the site between 1984 and 2001, all but one of which had corresponding dates of compliance.

Trenton 1601 and 1621 W. Jefferson (1601/1621 W. Jefferson Ave.): This site is located adjacent to the south of the Subject Property and was listed in the U.S. Brownfields database (ACRES ID# 13696). The site is 22.72 acres in size and a Phase I ESA was conducted. No other pertinent information was provided.

Fritz Enterprises, Inc. (1650 W. Jefferson Ave.): This site is located adjacent to the south of the Subject Property and is listed in the RCRA NonGen/NLR and SWRCY databases. The listing indicated the site was a non-generator in 2014, but had previously operated as a SQG since April 2000 for the generation of D001 (ignitable) wastes. The SWRCY listing indicated the facility recycled aluminum, brass, copper and iron. No compliance violations were reported.

McLouth Steel Trenton (Former) – Parcel C (1650 W. Jefferson Ave.): This site is located adjacent to the south of the Subject Property and is listed in the MI AUL database. The listing indicates a Restrictive Covenant (RC) was issued for the site on December 6, 1989, which was reportedly rescinded in January 2016. The site restrictions were listed as soil excavation and movement. The lead division was listed as RRD-Superfund (SF).

Trenton Riverside Site (1737-1769 W. Jefferson Ave.): This site is located adjacent to the south of the subject property and is listed in the Brownfields and Part 201 databases. The Brownfields listing provided no pertinent information. The Part 201 listing indicate a SAM score of 18, and that interim responses had been conducted and no further activities were anticipated.

Detroit Edison Company (502 Quarry Road): This site is located adjacent to the west of the Subject Property and was listed in the SEMS-Archive and RCRA-CESQG databases. The SEMS-Archive listing indicates the site (ID#502195; EPA ID#MID000722462) was discovered in 1979 and preliminary assessments were conducted in December 1987, after which it was determined the site did not qualify for the NPL, was designated a “No Further Remedial Action Planned” (NFRAP) site, and archived in December 1987. The RCRA-CESQG listing indicated the site registered as such in September 2002, and was previously registered as a SQG since 1980 for the generation of batteries, lamps and D001 (ignitable) wastes. No compliance violations were reported.

Further review of sites identified in the EDR report that are located within ½-mile and upgradient to the Subject Property were evaluated for potential environmental concerns. Properties listed in relevant databases are discussed below in the following paragraphs.

Pancho’s Mexican Restaurant (3848-3902 Biddle Street): This site is located adjacent to the northwest of the Subject Property and is listed in the UST and LUST databases. The UST listing indicated that three 4,000-gallon gasoline USTs and one 125-gallon used oil UST were removed from the ground at the site in May 2002. The LUST listing indicates that a gasoline release was reported at the site on May 30, 2002 and closed on June 19, 2003.

Ash Stevens, Inc. (18655 Krause Street): This site is located 0.25-mile northwest and upgradient of the Subject Property and is listed in the RCRA-LQG database. The site recently registered as such in June 2015 and has been registered as an LGQ since 1994 for the generation of batteries, D001 (ignitable), D002 (corrosive), D003 (reactive), arsenic, barium, chromium, mercury, cresol, 1,2-dichloroethane, F002 (spent halogenated solvents), F003 (spent nonhalogenated solvents), F005 (spent nonhalogenated solvents), F006 (wastewater treatment sludges), P002 (acetamide) and U191 (pyridine) wastes. Five informal violations were reported, all of which had corresponding dates of compliance.

Andy’s Custom Body (18759 Krause St.): This site is located 0.25-mile northwest and upgradient of the Subject Property and is listed in the RCRA NonGen/NLR database. The site registered as such in September

1998, and had previously registered as a SQG in August 1990 for the generation of D001 (ignitable) wastes. Two minor compliance violations were reported and both had corresponding dates of compliance.

Control Manufacturing Corp. (18601 Krause Street): This site is located 0.27-mile northwest and upgradient of the Subject Property and is listed in the BEA and NPDES databases. The BEA was not submitted for determination and the NPDES permit category was listed as Industrial-CY3.

18601 Krause Street (18601 Krause Street): This site is located 0.26-mile northwest and upgradient of the Subject Property and was listed in the U.S. Brownfields database. The parcel size was listed as 6.24 acres. The site is currently occupied by a 21,198-square foot industrial building and two attached warehouse buildings totaling 12,960 square feet, with associated parking and storage areas in the southern portion, and vacant land in the northern portion. The site was reportedly vacant land and/or unimproved farm land from at least 1937 to 1977, and has been occupied by Control Manufacturing Corporation CMC since 1978, the former owner and current tenant. A Phase II ESA was reportedly conducted during which the contaminants encountered included asbestos, lead and other metals in the soil. Institutional controls were reportedly not required.

Ash Stevens, Inc. (18601 Krause Street): This site is located 0.26-mile northwest and upgradient of the Subject Property and is listed in the BEA and Inventory databases. The BEA listing indicates a BEA was submitted for disclosure for the site on February 24, 2011. The Inventory listing provided no other pertinent information.

Industrial Waste Management, Inc. (18600 Krause St.): This site is located 0.28-mile northwest and upgradient of the Subject Property and is listed in the GA SWF/LF database. The facility was described as a collection operation and is not listed in any other database.

City of Riverview Dept. of Public Works (18550 Krause St.): This site is located 0.32-mile northwest and upgradient of the Subject Property and is listed in the UST, LUST and RCRA NonGen/NLR databases. The UST listing indicates the facility had five USTs removed from the ground and two USTs (one 12,000-gallon gasoline and one 12,000-gallon diesel) remain in use at the site. The LUST listing indicated releases of gasoline and used oil were reported at the site in August 1994 and November 1995, respectively. Both release cases were closed by the MDEQ on November 7, 1995. The RCRA NonGen/NLR listing indicates the site had previously registered as such in April 1999, but had previously generated small quantities of D001 (ignitable) wastes beginning in December 1994.

Monguagon Creek (Jct. Jefferson/Grosse Isle Bridge): This site is located 0.36-mile to the north of the Subject Property and was identified in the MI Part 201 database. The site pollutants were listed as arsenic, lead and polychlorinated biphenyls (PCBs). The facility status indicated that an Interim Response had been conducted and that no further activities were anticipated.

Century Cement Company (12600 Sibley Rd.): This site is located 0.38-mile northwest and upgradient of the Subject Property and is listed in the UST and LUST databases. The UST listing indicates that two USTs were removed from the ground and two USTs were closed in place at the site between 1996 and 2008. The LUST listing indicates that a release of an unknown substance was reported in July 1996 and was closed in November 1996. Another release of gasoline was reported in May 2008 and was closed in August 2008.

Monquaqon Creek (Jefferson Ave. Bridge @ Monquaqon Creek): This site is located adjacent to the north of the Subject Property and is listed in the SEMS database (EPA ID#MID985613454). The site is not on the NPL and is listed as a removal only site; no site assessment work necessary. The non NPL status date

was listed as December 21, 1999. The prior CERCLIS update was completed in October 2013. No other pertinent information was provided.

BASF Corporation (18099 W. Jefferson Ave.): This site is located 0.44-mile to the northeast and upgradient of the Subject Property and was listed in the MI AUL and MI Part 201 databases. The MI AUL listing indicated that a Restrictive Covenant (RC) was issued on November 27, 2013 for 29.78 acres at the site. There are restrictions on soil excavation/movement and construction activities, groundwater consumption and residential development, and an exposure protection barrier has been implemented. The MI Part 201 listing indicates a Site Assessment Management (SAM) score of 38 was applied to the site in April 2004, the site contaminants were identified as anthracene, arsenic, mercury and phenol, and an interim response was in progress.

General Electric (18075 Krause St.): This site is located 0.45-mile northwest and upgradient of the Subject Property and was identified in the SEMS-Archive, CORRACTS, RCRA-TSDF, RCRA-CESQG, AUL, Inventory and Part 201 databases. The SEMS-Archive (EPA #MID050616622) listing indicated the site was discovered in 1991, preliminary assessments were conducted in 1991 and the site was archived in 1995. The CORRACTS listing indicated that a low CA prioritization was assigned to the site in March 1994, an RFI workplan was submitted in April 2013, an RFI deficiency letter was issued in May 2013, and the RFI workplan was approved in October 2013. The RCRA-TSDF listing indicated the site began operations in 1969 and was a LQG of D001 (ignitable) wastes in 2014 and had previously registered as a SQG beginning in 1980. The site received seven compliance violations between 1990 and 2002; all of which had corresponding dates of compliance. The AUL listing indicated that a restrictive covenant (RC) had been issued for the site. The Inventory listing provided no pertinent information. The Part 201 listing indicated that the facility status was “inactive – no actions taken to address contamination”, a site assessment score of 35 was established in August 1990, the source of the contamination was listed as “transformers” and the contaminants of concern were PCBs, perchloroethylene (PCE) and trichloroethylene (TCE).

Federal Marine Terminal (18099 W. Jefferson Ave.): This site is located 0.48-mile to the northeast and down-gradient of the Subject Property and is listed in the SEMS and RCRA NonGen/NLR databases. The SEMS (Site ID 502797) listing indicates the site was discovered in November 1979, a preliminary assessment was conducted in October 1986 after which it was determined the site did not qualify for the NPL, and that further preliminary assessments conducted in December 1987 determined that the site had a higher priority for further assessment. The RCRA NonGen/NLR listing indicated the site was a non-generator in 1999, but had previously operated as a LQG as BASF for the generation of D001 (ignitable) wastes. No compliance violations were reported.

Riverside Osteopathic Hospital (150 Truax St.): This site is located 0.49-mile south and cross-gradient of the Subject Property and is listed in the UST, LUST, RCRA NonGen/NLR and BEA databases. The UST listing indicates two diesel USTs are currently in use at the site. The LUST listing indicated a diesel release was reported in August 1998 and was subsequently closed by MDEQ in November 1998. The RCRA NonGen/NLR listing indicates the site registered as such in 2003 and was formerly registered as a CESQG and an SQG in 1996 for the generation of D001 (ignitable) wastes. One minor violation was reported in July 1996; compliance was achieved in April 1997. The BEA listing indicated that two Category N (no hazardous substances) BEAs were submitted for the site in 2009 and 2010 with no request for MDEQ determination.

BMI, Inc. (18035 Krause St.): This site is located 0.49-mile northwest and upgradient from the Subject Property and is listed in the UST and LUST databases. The UST listing indicates one diesel and one gasoline USTs were removed from the ground at the site in February 1994. The LUST listing indicated a diesel/gasoline release was reported in February 1994 and was subsequently closed by MDEQ in December 1994.

Detroit Apparatus (11861 Longsdorf St.): This site is located 0.5-mile northwest and upgradient from the Subject Property and is listed in the UST and LUST databases. The UST listing indicates one gasoline UST was removed from the ground at the site in October 2000. The LUST listing indicated a gasoline release was reported in November 2000 and was closed by MDEQ in January 2016.

Valley Vulcan Mold (1251 Fort St.): This site is located 0.6-mile west and upgradient from the subject property and is listed in the UST, LUST, AUL, Brownfields and Part 201 databases. The UST listing indicates that four USTs containing gasoline, diesel and #2 fuel oil were removed from the ground at the site in November 1989 and October 2000. The LUST listing indicates a gasoline/heating oil release was reported in December 2001 and the case remains open. The AUL status (MDEQ Ref.# RC-RRD-201-15-021) was listed as “pending” and the land use restriction type was listed as “RC” (restrictive covenant); no other pertinent information was provided. The Brownfields listing indicated two ID # for the site (82001631 and 82000056). The Part 201 listing indicated that the facility status for both ID#’s was “interim response in progress”, with SAM scores of 29 and 24, determined in April-May 2004. The pollutants of concern were listed as benzene, arsenic and manganese.

5.3 Additional Environmental Record Sources

Additional database records were provided in the database search report, which is presented as **Appendix A**. The Subject Property was not identified in any additional databases.

5.4 Physical Setting Source(s)

ECT reviewed the 2014 U.S. Geological Survey (USGS) 7.5-Minute Series quadrangle map of Wyandotte, Michigan. The Subject Property is located in an urbanized area at an approximate elevation of 588-feet above mean sea level. Based on the urban development of the area, the topographic map does not depict specific structures on the Subject Property. West Jefferson Avenue, Sibley Road, and King Road are depicted where they currently exist today.

5.5 Historical Use Information on the Property

To evaluate historical use of the property, ECT reviewed readily available topographic maps, aerial photographs, street directories, and fire insurance maps.

5.5.1 Topographic Maps

ECT obtained available historical topographic maps of the Subject Property and vicinity from EDR. Copies of the available historic topographic maps are provided as **Appendix B**. A summary of the maps obtained from EDR for the Subject Property is included in Table 5.5.1 below:

Table 5.5.1 Historical Topographic Maps (Subject Property)

Year	Quadrangle Map	Series	Description
1906	Wyandotte	15-minute	The Subject Property is located on the western bank of the Detroit River. Several structures of various size are depicted. The eastern half of the Subject Property is depicted as marshland. Monguagon Creek is shown entering the Subject Property from the north before turning east and discharging into the Detroit River. An unnamed railroad is located on the Subject Property along the western boundary.
1936	Wyandotte	7.5-minute	There are no notable changes from the 1906 map with exception to the previously noted unnamed railroad is no longer depicted and several structures are no longer depicted.
1952	Wyandotte	7.5-minute	Several large structures are now depicted on the Subject Property that appear to be the same size as and configuration of the McLouth Steel Company. The areas previously noted as marshland along the eastern boundary of the Subject Property, appear to have been replaced by small ponds.
1967	Wyandotte	7.5-minute	Additional structures that appear to be associated with the McLouth Steel Company are depicted on the Subject Property. Monguagon Creek, as well as the small ponds previously noted no longer appear on the Subject Property.
1973	Wyandotte	7.5-minute	There are no notable changes from the 1967 map with exception to minor additions to previously existing structures.
1981	Wyandotte	7.5-minute	
2014	Wyandotte	7.5-minute	Based on the urban development of the area, specific structures are no longer depicted on the Subject Property.

5.5.2 Aerial Photographs

ECT obtained historical aerial photographs of the Subject Property and vicinity from EDR. A review of historical aerial photographs documents changes that have occurred in land uses and features located at the Subject Property and on adjoining properties. Copies of the historical aerial photographs are provided in **Appendix C**. Descriptions of the Subject Property, as shown on the aerial photographs, are summarized in Table 5.5.2 below.

Table 5.5.2 Aerial Photographs (Subject Property)

Year	Scale	Description
1937	1" = 500'	Available coverage on the 1937 aerial only cover the northern third of the Subject Property. Monguagon Creek appears to enter from the northern boundary and is surrounded by several commercial/industrial-type structures. Several small structures appear along the eastern side of West Jefferson Avenue. The rest of the Subject Property appears to be undeveloped with scattered trees.
1940	1" = 500'	Additional smaller structures appear along the eastern side of West Jefferson Avenue on the northern half of the property. Wetland areas appear to dominate the northern half and

		southern portions of the Subject Property. An unpaved roadway appears in the central portion of the Subject Property which provides access to the Trenton Channel/Detroit River.
1949	1" = 500'	Several large structures (the Pickling, Melt Shop and Machine Shop/Wash House Buildings) are present in the center of the property and appear to be for industrial use. Several unpaved thoroughfares appear adjacent to these large buildings in a way reminiscent of railroad tracks. Railroad tracks appear to extend onto the Subject Property from the north and south-southwest. Small structures remain on the eastern side of West Jefferson Avenue along the northern half of the property. Monguanon Creek still runs through the north edge of the Subject Property. A large rectangular dark shape (depression or wetland) is in the southeast portion of the Subject Property. The eastern portion of the Subject Property remains as low-lying wetland areas.
1957	1" = 500'	The Mold Preparation Building was present in the northern portion of the Subject Property, adjacent to which appeared to be several railroad spurs. A structure seems to have been added in the north west portion of the property near the smaller structures adjacent to West Jefferson Avenue. Additions appear to have been constructed on the large structures near the center of the property. The Spare Parts Warehouse and Boiler House and Separation Plant appear to the south of the Melt Shop Building. The Sedimentation Basin is evident to the east of the Pickling Building. A surface impoundment or dark stockpile (former iron ore storage) and a light area (former limestone storage) is located to the east of the Melt Shop Building. A parking lot appears to be in the southwest corner adjacent to West Jefferson Avenue. A wastewater treatment plant appears to have been constructed in the south-eastern corner of the property. Several smaller structures appear to have been added in the center of the southern half of the property. Two trestle or conveyor-type structures extend across the southeastern portion (in Former Ore Yard # 1) of the Subject Property to the Detroit River.
1961	1" = 500'	The structures formerly located on the northern portion of the Subject Property were no longer present. Several additional small structures were evident in the central portion of the Subject Property, including the Maintenance Building and Roundhouse adjacent to the Spare Parts Warehouse, and the Recirculating Water System to the north of the Machine Shop. The former iron ore and limestone storage areas were no longer present to the east of the Melt Shop. The River Pump House and Sinter Building were then present in the CWWTP area. Slag Pits #1 and #2 are The remainder of the Subject Property appears largely as depicted in the previous photograph.
1964	1" = 500'	The majority of the Subject Property remained largely unchanged from the previous photograph, except for the gas cleaning areas adjacent to the east of the Melt Shop Building, the electrical substation to the south of the Melt Shop Building, two long rectangular stockpiles of presumably iron ore on the eastern property edge of the Subject Property along the Trenton Channel, and two stockpiles of presumably limestone to the south of the iron ore stockpiles.
1972	1" = 600'	The structures on the Subject Property appears largely unchanged from the previous photograph. The iron ore and limestone stockpiles evident in the previous photograph is no longer depicted. It is not clear if the conveyor remains on the northern portion of the Subject Property and there appears to have been some changes in clearing patterns or use of the northern portion.
1981	1" = 600'	The concrete pit to the east of the Mold Preparation Building is evident. The conveyor appears to remain present in the northern portion. Five or six new iron or stockpiles and one new limestone stockpile are present on the eastern boundary, along the river. Ten or twelve rows of stockpiled material are evident between the southern end of the Pickling Building and the Maintenance Building/Spare Parts Warehouse.
1985	1" = 500'	The subject property appears largely as depicted in the previous photograph; no significant changes were noted.
1993	1" = 600'	The subject property appears largely as depicted in the previous photograph; no significant changes were noted.
1999	1" = 500'	Increased equipment/debris storage and some dark staining is evident on the northern portion of the Subject Property. Several smaller rows of stockpiled material are evident on the eastern portion. No bulk stockpiles of material are evident anywhere on the Subject Property and no cars are present in the parking lot. A portion of the former Sinter Building in the CWWTP area is no longer present. The facility appears to no longer be operating.

2005	1" = 500'	It is evident that the facility is no longer operation. Vegetation appears around the perimeter of some of the buildings. A large reddish-brown circular area is in the northeastern portion. The trestles in the Slag Pit area are no longer present and several of the ancillary structures previously depicted are no longer present. The Melt Shop Building had been removed. The previously identified rows of stockpiled materials in the central and eastern portions of the Subject Property are no longer present. No other significant changes are noted from the previous photograph.
2006	1" = 500'	The Mold Preparation Building in the northwest portion of the Subject Property is no longer present. No other significant changes were noted.
2009	1" = 500'	Only the concrete foundations of the former Metal Preparation Building, another concrete pad and a concrete pit are evident in the northern portion. The former conveyor in the northern portion is no longer evident. No other significant changes were noted from the previous photograph.
2010	1" = 500'	A small structure in the center of the Subject Property east the largest structure no longer appears. The subject property remains relatively unchanged from the previous photograph; no significant changes were noted.
2012	1" = 500'	The Boiler House and Air Separation Plant in the south-central portion of the Subject Property are no longer present. The remainder of the subject property remains relatively unchanged from the previous photograph; no other significant changes were noted.

5.5.3 Street Directories

ECT obtained a City Directory Image Report for the Subject Property and its vicinity from EDR. EDR reviewed available City Directories for the years spanning 1973 through 2013 at approximately three- to five-year intervals. A copy of the City Directory Image Report is provided as **Appendix D**. Listings of the Subject Property are summarized in Table 5.5.3 below.

Table 5.5.3 Summary of Street Directories (Subject Property)

Year	Listing 1491 West Jefferson Avenue
1973	Hall Engineering, McLouth Steel Corporation
1977	Andco Incorporated, JA Fredman, McLouth Steel Corporation
1982	McLouth Steel Corporation
1987	Hall Engineering, M&S Incorporated, McLouth Steel Corporation, National Power Road, Serstel Corporation, Surface Combustion*
1992	Casey Equipment Corporation, K&D Industrial Services, McLouth Steel Products, National Industrial Maintenance, S&M Cartage Incorporated, Songer Construction Company
1995	K&D Industrial Services, S&M Cartage Incorporated*
1999	DSC Limited, McLouth Steel Products Corporation Trenton Plant, National Industrial Maintenance Incorporated, New Center Stamping, S&M Cartage Incorporated
2003	DSC Limited
2008	Detroit Steel Company LLC, DSC LTD, Trenton Marine Terminal
2013	No listing

*McLouth Steel Corporation also listed under the address of 1650 West Jefferson Avenue

5.5.4 Fire Insurance Maps

Sanborn Fire Insurance Maps were not available from EDR. A copy of both the Certified Sanborn Map Report from EDR and the Sanborn Maps from the Detroit Public Library is provided as **Appendix E**.

5.6 Historical Use Information on Adjoining Properties

To evaluate the historical use of the adjacent properties, ECT reviewed readily available topographic maps, aerial photographs, and fire insurance maps.

5.6.1 Topographic Maps

ECT obtained available historical topographic maps of the Subject Property and vicinity from EDR. Copies of the available historic topographic maps are provided as **Appendix B**. A summary of the maps obtained from EDR for the Subject Property is included in Table 5.6.1 below:

Table 5.6.1 Historical Topographic Maps (Adjoining Properties)

Year	Quadrangle Map	Series	Description
1906	Wyandotte	15-minute	An unnamed railway is located south and east of the Subject Property, running in a northeasterly / southwesterly direction. A river, assumed to be the Detroit River, appears to the east of the Subject Property. The immediate area is moderately developed with some structures.
1936	Wyandotte	7.5-minute	There are no notable changes to the surrounding area with exception of additional structures depicted along the western boundary of the Subject Property.
1952	Wyandotte	7.5-minute	There are no notable changes to the surrounding area of the Subject Property from 1936 to 1981.
1967	Wyandotte	7.5-minute	
1973	Wyandotte	7.5-minute	
1981	Wyandotte	7.5-minute	
2014	Wyandotte	7.5-minute	Based on the urban development of the area, specific structures are no longer depicted on the Subject Property.

5.6.2 Aerial Photographs

ECT obtained historical aerial photographs of the Subject Property and vicinity from EDR. A review of historical aerial photographs documents changes that have occurred in land uses and features located at the Subject Property and on adjoining properties. Copies of the historical aerial photographs are provided in **Appendix C**. Descriptions of the adjacent properties, as shown on the aerial photographs, are summarized in Table 5.6.2 below.

Table 5.6.2 Aerial Photographs (Adjacent Properties)

Year	Scale	Description
1937	1" =500'	Available coverage on the 1937 aerial only cover the northern third of the Subject Property. A small inlet off the Trenton Channel and several small light industrial structures and a large AST are to the north, with residences to the northwest. To the eastern side of the Subject Property is the Trenton Channel of the Detroit River. To the west, West Jefferson Avenue appears with several small structures (likely residences) on the West side of the West Jefferson corridor, beyond which are railroad tracks.
1940	1" =500'	Available coverage on the 1940 aerial covers the entire Subject Property, south of Sibley Road and north of King Road. The previously identified structures and AST remain to the north. Residences are scattered to the west and northwest of the Subject Property. Further to the west is a large quarry. Vacant land with a residence or two is to the south and southwest of the Subject Property.
1949	1" =500'	Several additional structures (small commercial properties) have now appeared along West Jefferson Avenue. The quarry operation to the west appears to have expanded somewhat. To the north of the Subject Property is a tank battery with 5 large ASTs, along with Monguagon Creek. Residences and small agricultural fields remain to the south and southwest.
1957	1" =500'	Properties to the north and northwest remain largely unchanged from the previous photograph. Increased residential development is evident to the northwest. The quarry remains to the west, with an additional light industrial/commercial property to the southwest. Land clearing activities were depicted to the south across King Road.
1961	1" =500'	The property to the north is not depicted. The remaining adjacent properties to the east, west and south remain unchanged from the previous photograph.
1964	1" =500'	The ASTs are no longer present to the north. Increased commercial and residential development is to the northwest and west. No other significant changes are noted on the other adjacent properties.
1972	1" =600'	Adjacent properties in all directions appear relatively unchanged from the previous photograph; no significant changes were noted.
1981	1" =600'	Several small buildings and equipment/freight container storage activities are evident on the northern adjacent property. Several new small commercial buildings are to the west and southwest along W. Jefferson Ave. New light industrial structures, possibly a large AST, and stockpiled soils or minerals are to the south.
1985	1" =500'	Increased land use (shipping, trucking, equipment storage) activities are adjacent to the north. Properties to the west and south are relatively unchanged.
1993	1" =600'	Many of the former residences previously adjacent to west is no longer present and have been replaced with small commercial buildings. Adjacent properties to the west remain relatively unchanged. Decreased activities on the adjacent properties to the north and south are evident. Two side by side, small, dark impoundments or stockpiles are evident on the northern adjacent property.
1999	1" =500'	Two small warehouse structures and the previously identified impoundments remain on the northern adjacent property; areas of staining or shadowing are evident on the northern adjacent property. Residences are no longer present to the west, and only small commercial/light industrial properties remain. The adjacent property to the west remains unchanged.
2005	1" =500'	The northern adjacent property appears to be used for freight container storage and significant land clearing has taken place. The southern adjacent property no longer appears to have stock piles and is largely vacant except for two remaining small warehouse structures in the northwest corner.
2006	1" =500'	Adjacent properties in all directions appear relatively unchanged from the previous photograph; no significant changes were noted.
2009	1" =500'	The northern adjacent property is clear, except for the two impoundments, and is no longer used for freight container storage. Residences remain to the northwest. No significant changes were noted on the western or southern adjacent properties.
2010	1" =500'	Adjacent properties in all directions appear relatively unchanged from the previous photograph; no significant changes were noted.
2012	1" =500'	Adjacent properties in all directions appear relatively unchanged from the previous photograph; no significant changes were noted.

5.6.3 Street Directories

ECT obtained a City Directory Image Report for the adjacent properties from EDR. EDR reviewed available city directories for the years spanning 1973 through 2013 at approximately three- to five-year intervals. A copy of the City Directory Image Report is provided as **Appendix D**.

ECT reviewed and researched the provided documentation. According to the City Directory Image Reports provided, the surrounding properties along West Jefferson Avenue represented a mixture of residential, manufacturing, and commercial uses. The types of manufacturing and commercial listings include print shops, restaurants and eateries, resource management companies, mechanical contractors, retail, metal processing, and trucking.

5.6.4 Fire Insurance Maps

Sanborn Fire Insurance Maps were not available from EDR. ECT did obtain Sanborn Fire Insurance Maps for a small area adjacent to the West Jefferson Avenue and Sibley Road intersection from the Detroit Public Library. A description of this area is provided below. A copy of both the Certified Sanborn Map Report from EDR and the Sanborn Maps from the Detroit Public Library is provided as **Appendix E**.

Table 5.6.4 Summary of Sanborn Fire Insurance Maps (Adjoining Properties)

Year	Description
1922	Parcel 54001010098302 of the Subject Property is depicted as having three (3) structures associated with the R. G. Liggett Son Co. Pleasure Boat Builders. The structures are situated on the south side of a slip that is connected to the Detroit River West Channel. A railroad also bisects the parcel from north to south. Parcel 54001990007701 is labeled as a sewer right-of way.
1930	The three (3) structures previously noted on Parcel 54001010098302 have changed configuration as a result of an addition. Four (4) additional structures are now depicted, one along the railroad, one at the west end of the slip, and two located along the northern parcel boundary.
1930-1943	Parcel 54001010098302 is now labeled as Sharples Chemicals Inc. The two (2) structures previously noted along the northern parcel boundary are no longer depicted. An expansion of slip is now depicted in the space previously occupied by the structure located to the immediate west of the slip. The two (2) structures to the south of the slip remain but have changed configuration. In addition to Monguagon Creek, a single structure that is labeled as the Michigan Foundation Company is depicted to the north of Parcel 54001010098302 of the Subject Property. The Albert E. Smith Public school is depicted to the northwest, and the West Jefferson Avenue corridor is depicted to the west.

6.0 Site Reconnaissance

On July 17, 2017 and July 21, 2017, Messrs. John D’Addona, Craig Savage, Scott Johnson, and Ryan Higuchi performed a site reconnaissance of the Subject Property to observe general site conditions and indications of the possible release(s) of chemicals to the subsurface. A walkover site inspection was conducted to identify visible evidence of any RECs. Photographs taken during ECT’s site inspection are included in **Appendix F**.

Mr. Ryan Higuchi of ECT prepared this Phase I ESA report documenting ECT’s observations and documentation review. Mr. Dirk Mammen provided the final technical review of this report. Qualifications for Messrs. D’Addona, Mammen, Savage, Johnson and Higuchi are included in **Appendix H**.

6.1 Methodology and Limiting Conditions

ECT was provided full access to the Subject Property, however basement areas were inaccessible due to standing water and could not be assessed. A site perimeter walk was conducted and the Subject Property and adjoining properties were viewed from all public right of ways.

6.2 General Site Setting

6.2.1 Current Use(s) of the Property

At the time this Phase I ESA was conducted, the Subject Property consisted of one main production building consisting of fourteen (14) inter-connected process areas and numerous ancillary support structures that were all previously used for the production of steel. Within the Main Production Building raw sugar is currently being stored.

6.2.2 Past Use(s) of the Property

Based on a review of reasonably ascertainable historical records, the Subject Property was acquired by McLouth Steel Company in approximately 1947 and used primarily for the production of steel. In the following decades, the construction of additional facilities that included blast furnaces, power houses, a Central Wastewater Treatment Plant (CWWTP), a Sinter Building, a Pickling Building, and several other support and storage structures were constructed to accommodate increased production. By 1975, the site had attained the general configuration and appearance that exists today. Post 1975, production at the facility decreased and eventually ceased altogether in 1996 when McLouth filed for bankruptcy. During the bankruptcy process, the site was acquired by the Detroit Steel Company (DSC), which later resumed operations of one of the pickling lines as well as the facility’s CWWTP. Those operations eventually closed in 2005, leaving a large portion of the facility in disrepair.

6.2.3 Current Uses of Adjoining Properties

The Trenton Channel of the Detroit River is adjacent to the east. Western adjacent properties, from north to south and across W. Jefferson Avenue, consist of Michigan Foundation Co., a car wash, Midwest Cycle Pro, Pullman, Jim’s Garage, Trenton Rental Center, KM&M Cement, Trenton Auto Parts, Seaway Mechanical

Contractors, two vacant parcels, Sibley Gardens (restaurant) and U Stow N Lock Storage. The adjacent parcel to the south is owned by DSC and is occupied by several buildings and structures that are associated with the CWWTP. Undeveloped vacant parcels are located to the north and northeast of the Subject Property.

6.2.4 Past Uses of Adjoining Properties

The West Jefferson Avenue corridor borders the Subject Property to the west with residences and small commercial businesses occupying the western adjoining properties from the late 1930s through the early 1980s, when more commercial businesses began to dominate. A small bulk oil or other liquid substance storage terminal was located to the north of the Subject Property from the late 1930s until the late 1950s when the property appeared to be used for various light industrial, equipment storage and/or warehousing activities through at least 2006. The southern adjacent property appeared to exist as agricultural land during the 1930s and 1940s. Beginning in the 1950s the southern adjacent property appeared to be used for equipment/vehicle storage and aggregate/material stockpile storage activities, which appeared to continue through the late 1990s, after which two small warehouse-type buildings remained. Starting in 2009 when the property appeared to have been cleared with no discernible operations. In 2012 the property appeared to be used for vehicle/semi-trailer storage.

6.2.5 Current or Past Uses in the Surrounding Area

Based on a review of aerial photographs, the area surrounding the Subject Property appears to be the developed community of Trenton, Michigan. Residential and small commercial properties comprised the surrounding areas to the northwest, west and southwest, with railroad tracks immediately to the west beyond West Jefferson Avenue, and a large quarry and commercial/industrial property operations existed further to the west since the late 1930s. Increased residential and small commercial business development was evident through the years to the northwest, west and southwest. The surrounding properties to the north and south, along the Trenton Channel, had been utilized for similar activities (first agriculture, then equipment and bulk material (liquid and solid) storage activities from the late 1930s through the present. The Riverview Trenton Railroad property (currently vacant), the Trenton Channel, Grosse Ile (residences) and the Detroit River have remained to the east through the years. No other significant industrial property uses are evident in the immediate vicinity of the subject property in the aerial photographs reviewed.

6.2.6 Geologic and Hydrogeologic Conditions

According to the map of Quaternary Geology of Southern Michigan, prepared by the University of Michigan's Department of Geological Science (dated 1982), the Subject Property is situated on lacustrine clay and silt, with *"grey to dark reddish brown, varved in some localities, chiefly underlies extensive, flat, low-lying areas formerly inundated by glacial Great Lakes, but also occurs in separate, small lake basins, includes small areas of lacustrine sand and clay-rich till. Thickness: 1-10 m."*

The EDR-Radius Map report stated that the Subject Property is underlain by bedrock of the Paleozoic Era, Devonian System, and Middle Devonian Series. The dominant soil composition in the general vicinity of the Subject Property is cut and fill land. It has a variable soil surface texture and does not meet the requirements of a hydric soil.

6.3 Observations

A search for the following items was conducted and attempted to be identified, as indicated in the ASTM standard.

6.3.1 Hazardous Substances and Petroleum Products in Connection with Identified Uses

A search for hazardous substances and petroleum product containers was completed during the site visit. Table 6.3.1 below provides a summary of the hazardous substance and petroleum products that were observed on the Subject Property.

Table 6.3.1 Hazardous Substance and Petroleum Products in Connection with Identified Uses

Area	REC	Description
1	REC 1-1	A 6,000-gallon AST containing liquid bleach was observed within a concrete containment basin on the south side of the River Pump House. The containment basin was cracked and covered with debris. The integrity of the tank and the concrete basin could not be verified.
	REC 1-2	A square-shaped, used oil AST of approximately 500 gallons, and a partially filled drum of synthetic oil, both of which are located in a grassed area at the southwest corner of the River Pump House, west of the 6,000-gallon bleach AST.
	REC 1-6	An unlabeled, plastic AST of approximately 200 gallons was observed within the building located adjacent to the eastern clarifier. Several small containers, one which was labeled acid were also observed within the building.
	REC 1-9	A 20,000-gallon, used oil AST was observed north of the grit chamber.
	REC 1-11	An unlabeled AST was observed north of the former grit chamber. It is likely the tank is the second of two tanks that stored acid given its proximity to the other Acid Storage Tank and review of the facility drawings.
	REC 1-12	A fiberglass AST, labeled as containing acid, of approximately 15,000 gallons was observed within a concrete containment basin, north of the former grit chamber. The integrity of the containment basin could not be adequately verified.
2	REC 2-9	A pallet of empty paint cans was observed on the outside wall of the Slab Conditioning Building.
	REC 2-11	Two (2) ASTs containing hydrochloric acid and oil were observed within a containment area.
	REC 2-20	Grease storage containers and drums were observed east of the Heater Repair Building within the Slab Handling and Storage Building
	REC 2-23	A 20,000-gallon oil processing AST was observed north of the Sedimentation Basin.
	REC 2-25	Leaking drums containing petroleum products were observed in the northwest corner of the Machine Shop Building.
	REC 2-26	ACM covered piping associated with the boiler of the mezzanine level of the Machine Shop Building was observed.
	REC 2-15	Nozzles beneath the Reheat Burner Pits were covered with suspected ACM.
3	REC-2-29	A 1-million-gallon fuel storage tank, a 6,000-gallon sodium hypochlorite tank, and two (2) 2,000-gallon tanks (assumed to contain sodium hypochlorite) were observed to the north of the Recirculating Water System Building.
	REC 3-1	Two (2), large steel ASTs were observed south of the Locomotive Repair Building, with in a concrete lined containment area. Two (2) 55-gallon drums, one labeled as synthetic and the other unlabeled and partially full, were also observed within the containment area. Identified as AOI-69 in the 2006 NTH report, the ASTs were used to store diesel fuel.
	REC 3-6	An unlabeled steel tank was observed along the southern wall of the Locomotive Repair Building.
	REC 3-8	Six (6) unlabeled compressed gas canisters, two (2) hydraulic accumulation cylinders, and an empty unlabeled 35-gallon steel drum were observed within the Maintenance Building.
	REC 3-11	A large, unlabeled, fiberglass AST was observed east of the Desulfurization Baghouse at the north end of the former Air Separation Plant.
	REC 3-15	Two (2) large, steel ASTs were observed east of the Spare Parts Building and were identified as the Boiler house fuel oil tanks (AOI-63) in the 2006 NTH report.

4	REC 4-7	An unlabeled, compressed gas tank was observed within a Quonset structure, north of the remaining Gas Cleaning Buildings.
	REC 4-10	An unlabeled, empty 55-gallon steel drum was observed in a small building south of the remaining Gas Cleaning Buildings.
	REC 4-14	A broken and unlabeled fiberglass storage tank was observed south of the former Continuous Casting Building.
5		No hazardous substances and petroleum product containers were observed within Area 5.

6.3.2 Storage Tanks

A search for ASTs, USTs or vent pipes, fill pipes, or access ways indicating the presence of USTs was completed during the site reconnaissance. Table 6.3.2 below provides a summary of the storage tanks that were observed on the Subject Property.

Table 6.3.2 Storage Tanks

Area	REC	Description
1	REC 1-1	A 6,000-gallon AST containing liquid bleach was observed within a concrete containment basin on the south side of the River Pump House. The containment basin was cracked and covered with debris. The integrity of the tank and the concrete basin could not be verified.
	REC 1-2	Stressed vegetation was observed in the immediate vicinity of a square-shaped, used oil AST of approximately 500 gallons, and a partially filled drum of synthetic oil, both of which are located in a grassed area at the southwest corner of the River Pump House, west of the 6,000-gallon bleach AST.
	REC 1-5	An unlabeled steel tank was observed in a small structure south of the center clarifier.
	REC 1-6	An unlabeled, plastic AST of approximately 200 gallons was observed within the building located adjacent to the eastern clarifier. The floor of the building beneath the tank is heavily stained
	REC 1-8	Two (2) insulated pipes and associated valves, and a suspected exhaust pipe were observed extending from the north side of a building located north of the central clarifier. The piping may be associated with a former tank. Access to the building was not possible due to safety concerns.
	REC 1-9	Stressed vegetation and surficial staining was observed in the immediate vicinity of the 20,000-gallon, used oil AST located north of the grit chamber.
	REC 1-11	An unlabeled AST was observed north of the former grit chamber. It is likely the tank is the second of two tanks that stored acid given its proximity to the other Acid Storage Tank and review of the facility drawings.
	REC 1-12	A fiberglass AST, labeled as containing acid, of approximately 15,000 gallons was observed within a concrete containment basin, north of the former grit chamber. The integrity of the containment basin could not be adequately verified.
2	REC 2-11	Two (2) ASTs containing hydrochloric acid and oil were observed within a containment area.
	REC 2-23	A 20,000-gallon oil processing AST was observed north of the Sedimentation Basin.
	REC-2-29	A 1-million-gallon fuel storage tank, a 6,000-gallon sodium hypochlorite tank, and two (2) 2,000-gallon tanks (assumed to contain sodium hypochlorite) were observed to the north of the Recirculating Water System Building.
3	REC 3-1	Two (2), large steel ASTs were observed south of the Locomotive Repair Building, with in a concrete lined containment area. Identified as AOI-69 in the 2006 NTH report, the ASTs were used to store diesel fuel.
	REC 3-6	An unlabeled steel tank was observed along the southern wall of the Locomotive Repair Building.

	REC 3-11	A large, unlabeled, fiberglass AST was observed east of the Desulfurization Baghouse at the north end of the former Air Separation Plant.
	REC 3-15	Two (2) large, steel ASTs were observed east of the Spare Parts Building and were identified as the Boiler House fuel oil tanks (AOI-63) in the 2006 NTH report.
	REC 3-16	The remains of a former fiberglass AST was observed east of the Spare Parts Building.
	REC 3-12	Several above ground storage tank cradles were observed at several locations at the northern end of the former Air Separation Plant, suggesting the past presence of ASTs.
4		No ASTs, USTs or vent pipes, fill pipes, or access ways indicating the presence of USTs were observed in Area 4.
5		No ASTs, USTs or vent pipes, fill pipes, or access ways indicating the presence of USTs were observed in Area 5.

6.3.3 Odors

The Subject Property was checked for strong, pungent, or noxious odors and their sources during the site visit. Table 6.3.3 below provides a summary of the storage tank that were observed on the Subject Property.

Table 6.3.3 Odors

Area	REC	Description
1	REC 1-9, REC 1-10, REC 1-25	Strong petroleum odors were noted in the vicinity of the clarifiers, former grit chamber, and sludge thickener pit within the CWWTP area.
2		There were no strong, pungent or noxious odors noted during the site visit of Area 2.
	REC 3-1	A petroleum odor was noted near the containment area of the two (2) diesel ASTs south of the Locomotive Repair Building.
3	REC 3-19	A strong sanitary odor was noted nearby and excavated area to the south of former Ore Yard # 1
4		There were no strong, pungent or noxious odors noted during the site visit of Area 4.
5		There were no strong, pungent or noxious odors noted during the site visit of Area 5.

6.3.4 Pools of Liquid

A search for standing surface water and pools or sumps containing liquids likely to contain petroleum products or hazardous substances was completed during the site visit. Table 6.3.4 below provides a summary of the pools of liquid that were observed on the Subject Property.

Table 6.3.4 Pools of Liquid

Area	REC	Description
1	REC 1-23	Standing water was observed in the basements of the Main Office Building and Wash House.
2	REC 2-1	Several deep sumps, located in proximity to heavy machinery within the Roll Shop at the south end of the Coil Storage Area, were observed to be partially filled with oily water.
	REC 2-2	A large, deep sump filled with potentially contaminated water was observed between the south end of Finishing Building No. 1 and the Coil and Storage Area Building. The sump was used to accumulate oil and water, and was identified in the 2006 NTH report as WMU-49, the Downcoiler Sump.
	REC 2-3	A series of sumps filled with potentially contaminated water was observed between the south end of Finishing Building No. 1. Identified as the Six Standing Oil Basement Sumps (WMU-51), these sumps were used to accumulate oil and water.
	REC 2-4	Standing water was observed in the South Motor Room basement where several PCB-containing transformers remain. The 2006 NTH report also identified the South Motor Room basement sumps as having a concrete sump that was used to accumulate oil and water (WMU-50)
	REC 2-5	A large sump containing potentially contaminated water was observed near the south end of the Rolling Mill Building. Described as a concrete or steel pit in the 2006 NTH report, the sump is identified as the Finish Stand Scale Pit (WMU-52).
	REC 2-8	Several feet of oily water was observed at the Coil Transfer Area at the north end of the Finishing Building No.2
	REC 2-15	Large volumes of oily water were observed in the Reheat Burner Pits.
	REC 2-16	A large oily sump containing a turntable was observed. The 2006 NTH report identified the sump as WMU-56, the Reheat Sump, which was used to accumulate oil and water.
	REC 2-17	A large sump full of oily water identified as the Heater Drain Sump in the 2006 NTH report (WMU-57) was observed.
	REC-2-24	Sumps full of oil and water were observed beneath and adjacent to former machinery in the Machine Shop.
3		No areas of standing surface water or sumps containing liquids likely to contain petroleum products or hazardous substances were observed in Area 3.
4	REC 4-6	The basement of a former structure located to the south of the Railroad Transfer Station was observed to be filled with water. The 2006 NTH report identifies the structure as the former EAF gas cleaning system (WMU-24) which was described as a steel wet scrubber.
	REC 4-15	Water with an oily sheen was observed in the basement of the demolished Continuous Casting Building.
5		No areas of standing surface water or sumps containing liquids likely to contain petroleum products or hazardous substances were observed in Area 5.

6.3.5 Drums

A search for storage drums was conducted during the site visit. Table 6.3.5 below provides a summary of the storage drums that were observed on the Subject Property.

Table 6.3.5 Drums

Area	REC	Description
1	REC 1-2	A partially filled drum of synthetic oil, located in a grassed area at the southwest corner of the River Pump House was observed west of the 6,000-gallon bleach AST.
	REC 1-3	An unlabeled, 55-gallon steel drum was observed inside of the River Pump House.
	REC 1-19	AOI-33 in the 2006 NTH report identifies a former drum storage area southeast of the main parking area. No drums were observed in the area.
2	REC 2-20	Grease storage containers and drums were observed east of the Heater Repair Building within the Slab Handling and Storage Building
	REC 2-38	Barrel Area #4 was identified in the 2006 NTH report as AOI-65. The area was identified as a concrete floor that was used for temporary drum storage. No drums were observed in the area.
	REC 2-40	The former Drum Storage Area #3 located west of the Baghouse, was identified in the 2006 NTH report as AOI-46. The area was formerly used to store empty drums of lubricants. No drums were observed in the area.
3	REC 3-1	Two (2) 55-gallon drums, one labeled as synthetic and the other unlabeled and partially full, were observed within the containment area of the two (2) diesel ASTs located to the south of the Locomotive Repair Building.
	REC 3-6	An unlabeled steel tank was observed along the southern wall of the Locomotive Repair Building.
	REC 3-8	An empty unlabeled 35-gallon steel drum was observed within the Maintenance Building.
4	REC 4-10	An unlabeled, empty 55-gallon steel drum was observed in a small building south of the remaining Gas Cleaning Buildings.
5		No storage drums were observed within Area 5.

6.3.6 Hazardous Substance and Petroleum Products Containers (not necessarily in connection with identified uses)

A search for hazardous substances and petroleum product containers that were not in connection with the identified uses of the Subject Property was completed during the site visit. All of the hazardous substances and petroleum product containers that were observed are likely in connection to the former use of the Subject Property.

6.3.7 Unidentified Substance Containers

A search for open or damaged containers containing unidentified substances suspected of being hazardous substances or petroleum products was completed during the site visit. Table 6.3.7 below provides a summary of the unidentified substance containers that were observed on the Subject Property.

Table 6.3.7 Unidentified Substance Containers

Area	REC	Description
1	REC 1-6	An unlabeled, plastic AST of approximately 200 gallons was observed within the building located adjacent to the eastern clarifier. Several small containers, one which was labeled acid were also observed within the building.
	REC 1-11	An unlabeled AST was observed north of the former grit chamber. It is likely the tank is the second of two tanks that stored acid given its proximity to the other acid storage tank and review of the facility drawings.
2		There were no open or damaged containers that were not identifiable in Area 2.
3	REC 3-1	One of the two 55-gallon drums located in the containment area of the two diesel ASTs south of the Locomotive Repair Building was unlabeled and partially full.
	REC 3-6	An unlabeled steel tank was observed along the southern wall of the Locomotive Repair Building.
	REC 3-8	Six (6) unlabeled compressed gas canisters and an empty unlabeled 35-gallon steel drum were observed within the Maintenance Building.
	REC 3-11	A large, unlabeled, fiberglass AST was observed east of the Desulfurization Baghouse at the north end of the former Air Separation Plant.
4	REC 4-7	An unlabeled, compressed gas tank was observed within a quonset structure, north of the remaining Gas Cleaning Buildings.
	REC 4-10	An unlabeled, empty 55-gallon steel drum was observed in a small building south of the remaining Gas Cleaning Buildings.
	REC 4-14	A broken and unlabeled fiberglass storage tank was observed south of the former Continuous Casting Building.
5		No unidentified substance containers were observed in Area 5.

6.3.8 PCBs

A search for electrical or hydraulic equipment known to contain PCBs or likely to contain PCBs was completed during the site visit. As indicated in the ASTM Standard, fluorescent light ballasts were not evaluated. Table 6.3.8 below provides a summary of the electrical or hydraulic equipment that was observed on the Subject Property.

Table 6.3.8 PCBs

Area	REC	Description
1	REC 1-16	Two (2) PCB-containing transformers that were marked as “EPA drained” were observed within the remaining Sinter Building structure.
	REC 1-20	A former electrical substation with three (3) concrete pad was observed along West Jefferson Avenue, west of the main parking lot. Information regarding the electrical equipment that was previously staged on the pads was not available.
2	REC 2-13	A facility map within the Main Office Building indicates a former PCB release area within the main building, north of the Roll Milling Area. The current status of the cleanup of the release is unknown.
	REC 2-14	A Transformer and Capacitor Area “boneyard” was observed at the west end of the Slab Conditioning Building. The original location of the transformers and capacitors is not known.
	REC 2-31	Floor staining was observed through the Main Building, likely from oil, oily sludge, EAF dust, and potentially PCBs.

	REC 2-37	A transformer release was identified as AOI-48 in the 2006 NTH report. The area consists of a former concrete transformer pad located east of the Machine Shop. Past sampling efforts indicate that PCBs still remain in place.
3	REC 3-10	Three (3) transformers, two (2) located within a building, and one located outside of the building, were observed at the former substation located north of the Maintenance Building.
	REC 3-13	A large transformer labeled as the No. 6 Furnace Regulating Transformer was observed east of the former substation as part of the former Air Separation Plant.
	REC 3-17	Capacitors were observed on the second floor of the remaining structure of the former Boiler House.
4	REC 4-4	A PCB-containing transformer and capacitor that was labeled “EPA drained” were observed in a small building located north of the Railroad Transfer Station.
	REC 4-12	A PCB-containing transformer labeled as “EPA drained” was observed in a small building located to the south of the remaining Gas Cleaning Buildings.
5		There were no electrical or hydraulic equipment known to contain PCBs or likely to contain PCBs observed in Area 5.

6.3.9 Pits, Ponds, or Lagoons

A search for pits, ponds, or lagoons on the Subject Property and adjoining properties was completed during the site visit. Pits, ponds, or lagoons on properties adjoining the Subject Property were searched for to the extent they were visually and/or physically observable from the Subject Property. Table 6.3.9 below provides a summary of the pits, ponds, or lagoons that were observed.

Table 6.3.9 Pits, Ponds, or Lagoons

Area	REC	Description
1	REC 1-4	A rectangular-shaped ground access port, whose purpose is not known, was observed between the eastern and center clarifiers of the CWWTP.
	REC 1-7	A concrete-lined pit containing piping and valves was observed between the western and central clarifier of the CWWTP. The pit contained standing water and was not able to be visually inspected.
	REC 1-10	The former grit chamber, located to the west of the clarifiers, was observed to be filled with oil, water, and dead waterfowl. Although the integrity of the grit chamber was not observed, the strong petroleum odor, and the presence of petroleum based substances within the grit chamber represents a REC at the Subject Property.
	REC 1-13	A concrete-lined, former sludge pit that was filled with vegetation was observed west of the former grit chamber. The integrity of the pit was not visually inspected.
	REC 1-14	An underground, concrete storage vault that was covered by a metal plate was observed north of the former sludge pit. The vault appeared to contain oily water. The integrity of the vault was not visually inspected.
2	REC 2-7	The secondary containment areas of the acid pickling line potentially contain spent chemicals from mothballed operations. The 2006 NTH report identified these containment areas as WMU-8, which are lined with acid resistant brick. The report also indicated the tanks within the containment areas still contain acid.
	REC 2-10	Several pits were observed in the former reheat areas, south of the North Motor Room. It is likely these pits are associated with WMU-54 in the 2006 NTH report as the Old Four High Scale Pit, which was used to accumulate oil and water.
	REC 2-12	Rimmed scale pits full of oily water were observed at the northern end of the Rolling Mill Building. Approximately 3-4 feet of the pits were above ground with the remaining depth below ground. Some appear to be connected and a tunnel/pipe was observed existing the pits below ground to the east. The 2006 NTH report identified these pits as the Blooming Mill Scale Pits, which were used to accumulate oil and water (WMU-55).

	REC 2-18	Pits, partially full with potentially contaminated water, were observed below the former Electric Heaters ("toasters").
	REC 2-22	A Sedimentation Basin with a large volume of contaminated water was observed and identified in the 2006 NTH report as WMU-1. The basin was used to receive process water from the continuous casting, rolling, finishing, and pickling operations.
	REC 2-27	The Recirculation Water Pits were observed to be full of potentially contaminated water.
	REC 2-28	The 2006 NTH report identifies the Concast Grit Basin as WMU-43, which was used to receive oily sludge and grit from the Concast Scale Pit.
	REC 2-32	A number of small pits, sumps and floor drains located throughout the main building were observed to contain oil and water.
	REC-2-33	A Roughing Scale Pit was identified in the 2006 NTH report as WMU-53. The pit was used to accumulate oil and water.
3	REC 3-3	A pipeline within a trench on the ground surface was observed running from north to south, south of the Locomotive Repair Building.
	REC 3-4	Oil and water was observed within the subsurface repair bay within the Locomotive Repair Building. The Locomotive Repair Building was listed in the 2006 NTH report as WMU-61 and AOI-39, which indicated a past release of gasoline during the removal of an underground tank.
	REC 3-9	Three (3) lime slurry basins, located north of the Maintenance Building; one (1) above ground, and two (2) below ground were observed, all filled with water. Identified as WMU-6 and AOI-62 in the 2006 NTH report as the Acid Neutralization Plant. The plant stored and treated pickling acid through lime application.
	REC 3-18	A ventilation stack was observed on top of a concrete, below ground storage vault, south of the Nitrogen Evaporator Control Building of the former Air Separation Plant.
4	REC 4-2	Three (3) concrete lined, open subsurface storage vaults filled with potentially contaminated water were observed near the former Railroad Transfer Station.
	REC 4-5	Several concrete lined, open subsurface vaults containing potentially contaminated water were observed in several locations where former gas cleaning operations took place (WMU-23 in the 2006 NTH report).
	REC 4-16	Water with an oily sheen was observed in the concrete lined, former scale pit located to the north of the former Continuous Casting building. Identified as WMU-42 in the 2006 NTH report, the basin received water and scale that was produced when cooling water was sprayed on freshly cast steel.
5	REC 5-5	A concrete lined, subsurface materials storage vault filled with potentially contaminated water that was associated with former conveyor operations was observed north of the Railroad Transfer Station.

6.3.10 Stained Soil

A search for areas of stained soil or concrete on the Subject Property was completed during the site visit. Table 6.3.10 below provides a summary of the areas of stained soil and concrete that were observed.

Table 6.3.10 Stained Soil

Area	REC	Description
1	REC 1-3	Oil staining of the concrete floor within the River Pump House was observed.
	REC 1-5	An area of stained soil and concrete was observed south of the center clarifier.
	REC 1-15	Stained concrete was observed throughout the remaining structure of the Sinter Building.
	REC 1-21	Stained concrete was observed in the main parking area where several large storage containers are stored.

	REC 1-22	Stained concrete floors were observed on the garage floor of the Main Office Building. A floor drain was observed in the vicinity of the staining.
2	REC 2-21	Oil stained floors and floor drains that are associated with equipment and vehicle repair areas within the Mobile Equipment Building portion of the Soaking Pit Building were observed.
	REC 2-23	Oil stained floors were observed within the Sedimentation Pump House Building located between the Sedimentation Basin and the Oil Processing Tank.
	REC 2-31	Floor staining was observed through the main buildings, likely from oil, oily sludge, EAF dust and potentially PCBs.
3	REC 3-1	Staining was observed in the containment area of the two (2) diesel ASTs located to the south of the Locomotive Repair Building.
	REC 3-4	Oil staining was observed on the floor of the Locomotive Repair Building.
	REC 3-5	Staining in association with the materials stockpile located to the west of the Locomotive Repair Building was observed.
	REC 3-7	Staining on the floor of the Spare Parts and Maintenance Buildings was observed.
	REC 3-9	Staining of the floors within the Acid Neutralization Plant Building by a powdery white substance was observed.
	REC 3-13	Staining was observed on the concrete pad where a large transformer labeled as the No. 6 Furnace Regulating Transformer is located, east of the former substation.
	REC 3-14	Staining was observed on the floor of the Nitrogen Evaporator Control Building located to the south of the No. 6 Furnace Regulating Transformer.
4	REC 3-17	Staining was observed on the remaining concrete structure of the former Boiler House.
	REC 3-21	Large areas of stained soil were observed in the areas formally occupied by Blast Furnaces 1 and 2. The blast furnaces were identified as AOI-18 and 19 in the 2006 NTH report, and the Blast Furnace Scrubber Load Out Areas were identified as WMU-78 and 79.
	REC 4-9	Staining of concrete and soils was observed throughout the entire area where former gas cleaning operations took place.
	REC 4-13	Floor staining was observed in a pump control house located near the southern end of the former Gas Cleaning Operations Area.
5		No areas of stained soil or concrete were observed in Area 5.

6.3.11 Stressed Vegetation

Areas of stressed vegetation (from other than insufficient water) were searched for during the site visit. Table 6.3.11 below provides a summary of the areas of stressed vegetation that were observed.

Table 6.3.11 Areas of Stressed Vegetation

Area	REC	Description
1	REC 1-2	Stressed vegetation was observed in the immediate vicinity of a square-shaped, used oil AST of approximately 500 gallons, and a partially filled drum of synthetic oil, both of which are located in a grassed area at the southwest corner of the River Pump House.
	REC 1-9	Stressed vegetation and surficial staining was observed in the immediate vicinity of the 20,000-gallon, used oil AST located north of the Grit Chamber.
	REC 1-19	An area of stressed vegetation and staining of the surface gravel was observed in the former Drum Storage Area located east of the main parking lot.
2		No areas of stressed vegetation were observed in Area 2.
3		No areas of stressed vegetation were observed in Area 3.
4		No areas of stressed vegetation were observed in Area 4.
5		No areas of stressed vegetation were observed in Area 5.

6.3.12 Solid Waste

A search for areas that are apparently filled or graded by non-natural causes (or filled by unknown material) suggesting trash construction debris, demolition debris, or other solid waste disposal, or mounds or depressions suggesting trash or other solid waste disposal was completed during the site visit. Table 6.3.11 below provides a summary of the areas of solid waste that were observed.

Table 6.3.11 Solid Waste

Area	REC	Description
1	REC 1-17	A slag stockpile was observed north of the Sludge Pit.
	REC 1-18	Railroad tracks were observed throughout the Subject Property. Several railroad spurs were located in areas where materials related to steel production were loaded or stockpiled.
	REC 1-24	A former filter sludge press was identified as WMU-13 in the 2006 NTH report, north of the westernmost clarifier. Although it is no longer present, the areas were used to load roll-off and trucks with filter cake from CWWTP processes.
2	REC 2-6	A large pile of batteries was observed at the northern end of the Finishing Building No. 1.
	REC 2-9	A pallet of empty paint cans was observed at the outside wall of the Slab Conditioning Building.
	REC 2-19	Non-PCB containing capacitors were observed in the Electric Storage Building within the Slab Handling and Storage Room.
3	REC 3-2	Railroad tracks were observed throughout the Subject Property. Several railroad spurs were located in areas where materials related to steel production were loaded or stockpiled.
	REC 3-5	A materials stockpile was observed west of the Locomotive Repair Building.
	REC 3-20	Several stockpiles of slag and demolition debris were observed in the areas of the former slag pits located south of the Blast Furnace No. 1 and north of Blast Furnace No. 2.
4	REC 4-1	A slag stockpile was observed north of the former Ore Yard #2. A noise reduction pile was identified as WMU-38 in the 2006 NTH report that was used to block noise to Grosse Isle. The report states that the pile contained slag, refractory materials, baghouse fines, scrubber sludges, scale and ore.
	REC 4-3	Slag was observed on the concrete floor of the demolished portion of the former Railroad Transfer Station.
	REC 4-8	Five (5) uncontained, front-faced, open storage bins containing an unknown white powdery substance were observed west of the area where former gas cleaning operations took place.
	REC 4-11	Two (2) above ground concrete containers filled with debris were observed within the former gas cleaning operations area.
5	REC 5-1	Several stockpiles of railroad ties were observed throughout the area.
	REC 5-2	Several slag, soil, and debris stockpiles were observed throughout the area.
	REC 5-4	Railroad tracks were observed throughout the Subject Property. Several railroad spurs were located in areas where materials related to steel production were loaded or stockpiled.

6.3.13 Wastewater

A search for wastewater or other liquids (including storm water) or any discharge into a drain, ditch, underground injection system, or stream on or adjacent to the Subject Property was completed during the site visit. Four (4) clarifiers, three (3) below grade and one (1) above grade, all of which are associated with the on-site CWWTP were observed in Area 1. The eastern-most clarifier was aboveground and situated on a circular concrete pad. Though the interior of this clarifier was not observed, there were no evidence of leaks or significant staining observed in the vicinity. The other three clarifiers were below grade and were observed to

contain oil and water. Although integrity of the clarifiers basins could not be observed, based on the length of time the CWWTP facility operated, the observed rusting at the bottom of clarifiers, and the presence of petroleum substances within the three clarifiers that are below grade, these clarifiers represents a REC at the Subject Property. In addition, a grit chamber located to the west of the clarifiers, was observed to be filled with oil, water, and dead waterfowl. Although the integrity of the grit chamber basin was not observed, the presence of petroleum based substances within the grit chamber represents a REC at the Subject Property.

6.3.14 Wells

Numerous groundwater monitoring wells, including flush-mounted and stick-ups and nested wells, were observed throughout the Subject Property. The monitoring wells were installed during previous subsurface investigations conducted on the Subject Property. The existence of monitoring wells represents several specific RECs that are associated with the Subject Property and are discussed in the appropriate sections of this report. No water supply wells were observed or reported to exist at the Subject Property.

6.3.15 Septic Systems

Indications of onsite septic systems or cesspools were searched for during the site visit. No evidence of septic systems or cesspools was observed on the Subject Property.

6.4 Interviews with Site Contacts

Details of the interviews conducted are included in Section 4.0, User Provided Information.

No other relevant site contacts were identified or available to interview.

6.5 Interviews with Local Governmental Officials

Copies of the records retained by the MDEQ and USEPA were obtained via a Freedom of Information Act (FOIA) request.

ECT conducted three interviews of USEPA and MDEQ officials with knowledge of the Subject Property. On July 17, 2017, ECT conducted a site walkthrough of the Subject Property with Mr. Brian Kelly of USEPA who served as the On-Scene Coordinator on the Subject Property that oversaw the emergency response activities that were conducted by USEPA in 2009. On July 20, 2017, Mr. David Slayton of MDEQ Waste Division was interviewed who served in a technical capacity regarding the identification of the imminent threats on the Subject Property. On July 24, 2017, Ms. Patricia Thornton of MDEQ Remediation and Redevelopment Division was interviewed who currently serves the point of contact relating to the Subject Property's nomination to the Superfund program. Their responses, were used to complete the User Provided Information, Section 4.0 of this report.

No other local government officials were contacted regarding this investigation. Information obtained through the interviews, historical review, and review of the regulatory agency file information provided sufficient information for the investigation.

7.0 Findings, Opinions and Conclusions

ECT has performed a Phase I Environmental Site Assessment in conformance with the scope and limitations of ASTM Practice E 1527-13 and the 30 CFR 312 (All Appropriate Inquiry) of the property located at 1491 West Jefferson Avenue, Trenton, Wayne County, Michigan. Any exceptions to, or deletions from, this practice are described in Section 8.0 of this report. The findings of this assessment have ECT has performed this Phase I ESA in conformance with the scope and limitations of ASTM Standard E 1527-13 of 1491 West Jefferson Avenue, Trenton, Michigan 48183. This assessment has identified 134 RECs, no HRECs and no CRECs in connection with the Subject Property. The following summary provides a description of the RECs, historical RECs, controlled RECs, and *de minimis* conditions that were discovered during the Phase I ESA investigation.

7.1 RECs

A total of (134) RECs were identified during this Phase I ESA. The RECs are divided into five separate tables that provide descriptions of the RECs for each of the five areas. The locations of these RECs are presented in **Figures 4 - 8** respectively. In addition, RECs that were identified through the review of previous investigations and the records review are listed in Table 7.1 below.

Table 7.1 Summary of General RECs - Subject Property (SP)

REC	Description
SP1	Sampling data collected from the Subject Property document extreme pH in groundwater. Contamination from VOCs, PAHs, Metals, and PCBs have been identified on the Subject Property at levels that exceed the GCC.
SP2	The Comprehensive Corrective Action and Remedial Consent Order (CCARCO), dated December 2009 between DSC, the MDEQ and USEPA to address several Waste Management Units (WMUs) and Areas of Concern (AOCs) is a REC in connection to the Subject Property.
SP3	The establishment of a Unilateral Order of Consent (UAO) requiring removal of hazardous materials from the Subject Property after the on-site Sedimentation Basin caught fire. An emergency response US EPA enacted after the owner failed to comply with the terms of the UAO.
SP4	The candidacy of the Subject Property for inclusion on the NPL list by the USEPA is a REC in connection to the Subject Property.
SP5	There are multiple listings in the SEMS database in connection to the Subject Property.
SP6	Two releases from LUSTs on the Subject Property were documented in the LUST database.
SP7	The Subject Property was listed in the MI-AUL database that establishes a restrictive covenant on the Subject Property.
SP8	The Subject Property was listed in the MI-SPILLS database relating to a release of pickle liquor.
SP9	Adjacent properties to the north, south, and west were listed in US Brownfields, MI BEA, SEMS, MI AUL in connection with a restrictive covenant, MI Part 201, and the Historical Auto Station databases.
SP10	A tracking spreadsheet dated July 8 2009, prepared by the EPA, identified 87 transformers that may have contained PCBs. The spreadsheet provides a status of the response activities undertaken that indicates which transformers had been drained, were scheduled to be drained, were not scheduled to be drained, or remained in use. Of the 87 transformers identified, 33 were observed during the site reconnaissance. Although some of the transformers that remain on site have been drained, a residual amount of PCB or non-PCB oil remains in the transformer carcasses.

Summary of Area 1 RECs

REC	Description
1-1	A 6,000 gallon above ground storage tank that is labeled as containing liquid bleach was observed south of the River Pump House.
1-2	A tank labeled as containing used oil was observed at the River Pump House.
1-3	Several pumps and significant oil staining was observed on the floor within the River Pump House.
1-4	A rectangular-shaped ground access port was observed between the eastern and center clarifier. Its purpose was not determined.
1-5	An unlabeled steel tank was observed in a small structure south of the center clarifier. Stained soil and concrete outside of the structure.
1-6	An unlabeled storage tank and several small containers, one labeled acid, was observed within the building adjacent to the eastern-most clarifier.
1-7	A concrete lined, subsurface open pit filled with water and piping was observed between the two smaller clarifiers.
1-8	Piping with valves connected to the structure north of the center clarifier was observed.
1-9	A 20,000-gallon AST labeled as used oil was observed north of the former Grit Chamber.
1-10	A concrete lined, subsurface open vault filled with oil and water was observed at the former grit chamber. Dead waterfowl was observed within the vault. A grit pile was identified in the 2006 NTH report as WMU-12 immediately west of the former grit chamber building. The grit pile was described as <i>"an area for accumulation of material removed from the grit chamber at the CWWTP. It is expected that the material would have mostly consisted of scale, slag and other non-organic debris. However, it is likely that organic materials would have passed through the grit chambers."</i> The report indicated that the grit pile was removed in late 2000 or early 2001, after which, limited verification sampling was conducted. Sampling results indicated that contamination still remains.
1-11	An unlabeled, fiberglass above ground storage tank was observed north of the former grit chamber area. It is likely the tank was the second of two tanks that stored acid given its proximity to the other acid storage tank and facility drawings. Identified in the 2006 NTH report as WMU-11, <i>"These two fiberglass tanks were used to store spent pickle liquor for use at the CWWTP"</i> .
1-12	An above ground storage tank labeled as containing acid was observed north of the former grit chamber. Identified in the 2006 NTH report as WMU-11. <i>"These two fiberglass tanks were used to store spent pickle liquor for use at the CWWTP"</i> .
1-13	A lined sludge pit filled with vegetation was observed west of the former grit chamber. Identified in the 2006 NTH report as WMU-10, <i>"This unit was a concrete walled, earthen floored basin used to hold sludges when they could not be pumped to a filter press."</i> The area was excavated and a PVC liner was installed before it was filled with dredge sediments. Documentation states that all waste materials were removed prior to lining.
1-14	An underground storage vault containing oil and water and partially covered with a metal plate was observed north of the sludge pit.
1-15	Stained concrete was observed throughout the remaining structure of the former Sinter Building. Identified in the 2006 NTH report as WMU-14. <i>"Historical drawings indicate that these were interior holding bins. The sinter plant mainly handles ore fines and coke breeze. Reclamation of process wastes appeared to be a small portion of this operation (15 bins, only 2 were designated for scale or lime, and two were designated for flue dust.)"</i>
1-16	Two (2) PCB-containing transformers that were marked as <i>"EPA drained"</i> were observed within the remaining Sinter Building structure.
1-17	A slag stockpile was observed north of the sludge pit.
1-18	Former railroad tracks were observed throughout the area indicating extensive railroad operations.
1-19	The 2006 NTH report identifies a former Drum Storage Area as AOI-33 which is located southeast of the main parking area. The report states that soil in the area was impacted from a former Drum and Oil Hopper Storage Area. The investigation conducted in support of the 2006 report revealed physical evidence of a release.
1-20	A former electrical substation with three concrete pads was observed along West Jefferson Avenue, west of the main parking lot.
1-21	Stained concrete was observed in the main parking lot area where several tanks and storage containers are present.

1-22	Stained concrete floors were observed within the garage of the Main Building. A floor drain was observed in the vicinity of the stained flooring.
1-23	Standing water was observed in the basements within the Main Office Building and adjacent Wash House.
1-24	The 2006 NTH report identifies a former sludge filter press as WMU-13, which was located north of the western-most clarifier. No longer present, the area was used as the <i>"CWWTP filter press building where trucks or roll-off boxes were filled with filter cake. It is believed that the building was converted from the old elevated ore screening house where trucks drove beneath and were loaded from above. Any release to the environment would have occurred from the surface."</i>
1-25	The entire CWWTP was identified in the 2006 NTH report as WMU-15. The CWWTP is comprised of <i>"grit chamber, three clarifiers, sludge thickener, and former filter press building. Treatment included acid and lime pH adjustment, and sedimentation of process waters, mainly from the hot strip line."</i>

Summary of Area 2 RECs

REC	Description
2-1	Several deep sumps, located in proximity to heavy machinery in the Roll Shop on the south end of the Coil Storage Area, are partially filled with oily water
2-2	A large, deep sump filled with potentially contaminated water was observed between the south end of Finishing Building No. 1 and the Coil and Storage Area Building. This sump, which was used to accumulate oil and water, was identified in the 2006 NTH report as WMU-49, the Downcoiler Sump.
2-3	A series of sumps filled with potentially contaminated water was observed in a basement area near the center of Finishing Building No. 1. Identified as the Six Standing Oil Basement Sumps (WMU-51), these sumps were used to accumulate oil and water.
2-4	Standing water was observed in the South Motor Room Basement where several PCB-containing transformers remain. The 2006 NTH report also identified the South Motor Room Basement Sumps as having a concrete sump that was used to accumulate oil and water (WMU-50).
2-5	A large sump containing potentially contaminated water was observed near the south end of the Rolling Mill Building. Described as a concrete or steel pit in the 2006 NTH report, the sump is identified as the Finish Stand Scale Pit (WMU-52).
2-6	A large pile of batteries was observed at the northern end of Finishing Building No. 1.
2-7	The secondary containment areas of the acid pickling line potentially contain spent chemicals from moth-balled operations. The 2006 NTH report identified these containment areas as WMU-8, which are lined with acid resistant brick. The report also indicates the tanks within the containment areas still contain acid.
2-8	Several feet of oily water were observed at the Coil Transfer Area at the north end of the Finishing Buildings No.2.
2-9	A pallet of empty paint cans was observed on the outside wall of the Slab Conditioning Building.
2-10	Several pits were observed in the former reheat areas, south of the North Motor Room. It is likely these pits are associated with WMU-54 in the 2006 NTH report as the Old Four High Scale Pit, which was used to accumulate oil and water.
2-11	Evidence of past spills were observed at the secondary containment area that stores two (2) ASTs containing hydrochloric acid and oil. The integrity of the containment area is unknown.
2-12	Rimmed scale pits full of oily water were observed at the northern end of the Rolling Mill Building. Approximately 3-4 feet of the pits were above ground with the remaining depth below ground. Some appear to be connected and a tunnel/pipe was observed exiting the pits below ground to the east. The 2006 NTH report identified these pits as the Blooming Mill Scale Pits, which were used to accumulate oil and water (WMU- 55).
2-13	A facility map within the Main Office Building indicates a former PCB release area within the main building, north of the Roll Milling Area. The status of the cleanup of the release is unknown.
2-14	A Transformer and Capacitor Area "boneyard" was observed at the west end of the Slab Conditioning Building. The original location of the transformers and capacitors is unclear.
2-15	Large volumes of oily water were observed in the Reheat Burner Pits, nozzles beneath were covered with suspected asbestos-containing material (ACM).
2-16	A large oily sump containing a turntable was observed. The 2006 NTH report identified the sump as WMU- 56, the Reheat Sump, which was used to accumulate oil and water.

2-17	A large sump full of oily water identified as the Heater Drain Sump in the 2006 NTH report (WMU-57) was observed.
2-18	Pits, partially full with potentially contaminated water, were observed below the former Electric Heaters ("toasters").
2-19	Non-PCB containing capacitors were observed in the Electric Storage Building within the Slab Handling and Storage Room.
2-20	Grease storage containers and drums were observed east of the Heater Repair Building within the Slab Handling and Storage Building.
2-21	Oil stained floors and floor drains that are associated with equipment and vehicle repair areas within the Mobile Equipment Building portion of the Soaking Pit Building were observed.
2-22	A Sedimentation Basin with a large volume of contaminated water was observed and identified in the 2006 NTH report as WMU-1. The basin was used to receive process water from the continuous casting, rolling, finishing, and pickling operations.
2-23	Oil stained floors were observed within the Sedimentation Basin Pump House Building located between the Sedimentation Basin and the Oil Processing Tank. In addition, an Oil Processing AST was observed north of the Sedimentation Basin. Both the pump house and AST were identified as WMU-2 in the 2006 NTH report, which indicates the building as consisting of a skimming unit and 20,000-gallon oil storage tank.
2-24	Sumps full of oil and water were observed beneath and adjacent to former machinery in the Machine Shop.
2-25	Leaking drums containing petroleum products were observed in the northwest corner of the Machine Shop.
2-26	ACM covered piping associated with the boiler on the mezzanine level of the Machine Shop was observed.
2-27	The Recirculation Water Pits were observed to be full of potentially contaminated water.
2-28	The 2006 NTH report identifies the Concast Grit Basin as WMU-43, which was used to receive oily sludge and grit from the Concast Scale Pit.
2-29	The secondary containment area for a 1-million-gallon fuel storage tank, a 6,000-gallon sodium hypochlorite tank, and two (2) 2,000-gallon tanks (assumed to contain sodium hypochlorite) were observed north of the Recirculating Water System Building. The 2006 NTH report identified the fuel storage tank as WMU-44.
2-30	A concrete slabbed area north of the Baghouse was observed to include at least 1 monitoring well which was used to evaluate the extent of contamination in the area. The 2006 NTH report identified this area as the EAF Baghouse Loadout Area (WMU-47) which was used as a staging area for roll-off boxes that were loaded with fines.
2-31	Floor staining was observed throughout the main buildings, likely from oil, oily sludge, EAF dust and potentially PCBs.
2-32	A number of small pits, sumps and floor drains located throughout the Main Production Building were observed to contain oil and water.
2-33	A Roughing Scale Pit was identified in the 2006 NTH report as WMU-53. The pit was used to accumulate oil and water.
2-34	The west process sewer, located to the southwest of the Locomotive Repair Shop was identified in the 2006 NTH report as WMU-4. The sewer transported wastewater from the Sedimentation Basin, the Locomotive Roundhouse and the Coil Storage Area to the CWWTP.
2-35	The spent pickle acid sewer #1, located between the No. 3 Finishing and Shipping Building and the Sedimentation Basin was identified in the 2006 NTH report as WMU-5. The sewer transported sulfuric and hydrochloric acids associated with coil steel only.
2-36	The west process sewer, located south of the former Machine Shop was identified as WMU-3 in the 2006 NTH report. The sewer carried process wastewater from scale pits and sumps associated with the continuous casting, slab heating, hot rolling, and finishing operations.
2-37	A transformer release was identified as AOI-48 in the 2006 NTH report. The area identified consists of a former concrete transformer pad located east of the Machine Shop. Past sampling efforts indicate that PCBs still remain on the concrete.
2-38	Barrel Area #4 was identified in the 2006 NTH report as AOI-65. The area is identified as a concrete floor that was used for temporary drum storage.
2-39	A suspected release from the former Paint Shop, located north of the Recirculating Water System was identified as AOI-40 in the 2006 NTH report. The report states that the release had not been confirmed. Paints and solvents were used in this location for building and maintenance locations.

2-40	The former Drum Storage Area #3, located west of the Baghouse, was identified in the 2006 NTH report as AOI-46. The area was formerly used to store empty drums of lubricants.
2-41	An unconfirmed release of PCBs at the north end of the Rolling Mill was identified as AOI-66 in the 2006 NTH report.

Summary of Area 3 RECs

REC	Description
3-1	Two, large steel ASTs were observed south of the Locomotive Repair Building. Both tanks were located in a concrete lined containment area which had staining and a notable petroleum odor. Also observed within the containment area were two (2) 55-gallon drums, one labeled as synthetic and partially full. Identified as AOI-69 in the 2006 NTH report, the tanks were used to store diesel fuel.
3-2	Former railroad tracks were observed throughout the area indicating extensive railroad operations.
3-3	A pipeline at the ground surface was observed running from north to south, south of the Locomotive Repair Building.
3-4	Oil and water was observed in the subsurface repair bay within the Locomotive Repair Building. Significant oil stains were also observed on the floor. The Locomotive Repair Shop was listed in the 2006 NTH report as WMU-61 and AOI-39. The report indicates a past release of gasoline during the removal of a UST. No remediation or cleanup activities were conducted.
3-5	A materials stockpile with subsequent staining was observed west of the Locomotive Repair Building.
3-6	An unlabeled steel tank was observed along the southern wall of the Maintenance Building.
3-7	Staining on the floor of the Spare Parts and Maintenance Buildings was observed.
3-8	Six (6) unlabeled compressed gas canisters, two (2) hydraulic accumulation cylinders, an empty unlabeled 35-gallon steel drum, and a fuel oil heating system and tank were observed inside the Maintenance Building.
3-9	Three (3) lime slurry basins are located north of the Maintenance Building; one (1) above ground, and two (2) below ground were observed and all three were filled with water. Identified as WMU-6 in the 2006 NTH report as the Acid Neutralization Plant, the plant stored and treated pickling acid through lime application. It was later used to store spent acid prior to offsite transport. The Lime Slurry Tanks are also identified in the report as AOI-62. Floor staining and a presence of a powdery white substance was observed within the building associated with the Lime Slurry Tanks.
3-10	Three (3) transformers, two (2) located within a building, and one (1) located outside of the building, were observed at the former Substation located north of the Maintenance Building.
3-11	A large, unlabeled, fiberglass above ground storage tank was observed east of the Desulfurization Baghouse at the northern end of the former Air Separation Plant.
3-12	Several above ground storage tank cradles were observed at multiple locations at the northern end of the former Air Separation Plant.
3-13	A large transformer labeled as the No. 6 Furnace Regulating Transformer was observed east of the former Substation as part of the former Air Separation Plant. Although the transformer was marked as "EPA drained", there was significant oil staining observed on the concrete pad.
3-14	Staining was observed on the floor of the Nitrogen Evaporator Control Building located directly south of the No. 6 Furnace Regulating Transformer.
3-15	Two (2) large, steel above ground storage tanks were observed east of the Spare Parts Building and were identified as the Boiler House fuel oil tanks (AOI-63) in the 2006 NTH report. Oil and water was observed within the concrete containment area.
3-16	The remains of a former fiberglass above ground storage tank was observed north of the two large above ground storage tanks east of the Spare Parts Building.
3-17	Capacitors were observed on the second floor of the remaining structure of the former Boiler House. Significant staining was observed on the remaining concrete structure.
3-18	A ventilation stack was observed on top of a concrete, below ground vault south of the Nitrogen Evaporator Control Building.
3-19	A strong sanitary odor was noted nearby an excavated area to the south of the former Ore Yard #1.

3-20	Several stockpiles of slag and demolition debris were observed in the former Slag Pit areas located to the south of the former Blast Furnace No.1 and north of the former Blast Furnace No. 2. Identified as AOI 20 and 21 in the 2006 NTH report, the slag pits received slag from the furnaces where it was cooled using river water.
3-21	Stockpiles of slag and demolition debris, as well as large areas of stained soil, were observed in the areas where Blast Furnaces Nos. 1 and 2 were located. Identified as AOI 18 and 19 in the 2006 NTH report, both blast furnaces received and processed raw materials that included ore, coke, lime and sinter that were used to produce iron. WMUs 78 and 79 pertaining to the Blast Furnace Scrubber Loadout areas, which were designated areas where process sludge was loaded onto trucks, were also identified in association with the blast furnaces.
3-22	Ore Yard #1, located east of the former Blast Furnace areas, was noted in the 2006 NTH report.
3-23	The 2006 NTH report identifies the Desulfurization Bag House load out area as WMU-41, which is located south of the former Continuous Casting and Melt Shop Buildings. The area beneath the baghouse structure was used to fill roll-off boxes with fines.
3-24	The former De-kishing Pit, located north of the No. 2 Slag Pit was identified in the 2006 NTH report as AOI-35. The area was used for the removal of slag from iron transportation rail cars.
3-25	A former pond area, located adjacent to the former De-kishing Pit was identified in the 2006 NTH report as AOI-36. The pond was used for storage of unknown materials.
3-26	The east process sewer, located between the No.2 Slag Pit and the former Air Separation Plant was identified in the 2006 NTH report as WMU-16. <i>"The sewer serviced the east portion of the melt shop, the gas cleaning systems, the air separation plant, and the blast furnaces."</i>
3-27	The spent pickle acid sewer #2, located between the former Boiler House and the Spare Parts Building was identified in the 2006 NTH report as WMU-7. The sewer transported neutralized spent pickle acid from the Acid Neutralization Plant.
3-28	The former Large Pond #3, located east of the Blast Furnaces, was identified in the 2006 NTH report as AOI-34. The pond was used for storage of unknown materials.
3-29	A former slag processing plant, located south of the former Boiler House, was identified in the 2006 NTH report at AOI-59. The area was previously used for the resale of processed slag.
3-30	The former Centrifuge Sludge Pit, located north of the former Sinter Building, was identified as WMU-9 in the 2006 NTH report. The pit consisted of earthen dikes that stored sludges and oily waters.

Summary of Area 4 RECs

REC	Description
4-1	A slag stockpile was observed north of the former Ore Yard No.2. A noise reduction pile was identified as WMU-38 in the 2006 NTH report that was used to block noise to Grosse Ile. The report states that the pile contained slag, refractory materials, baghouse fines, scrubber sludges, scale and ore.
4-2	Three (3) concrete lined, open subsurface storage vaults, all filled with potentially contaminated water, were observed near the former Railroad Transfer Station.
4-3	Slag was observed on the concrete floor of the demolished portion of the former Railroad Transfer Station.
4-4	A PCB-containing transformer and capacitor that was labeled as "EPA drained" were observed in the small building located north of the former Railroad Transfer Station.
4-5	Several concrete lined, open subsurface vaults containing potentially contaminated water were observed in several locations where the former gas cleaning operations took place. Identified as former BOF Gas Cleaning Sludge Pits (WMU-23) in the 2006 NTH report, these basins received sludge from the BOF Scrubbing Towers that have since been demolished.
4-6	The basement of a former structure located to the south of the Railroad Transfer Station was observed to be filled with water. The 2006 NTH report identifies the structure as the Former EAF Gas Cleaning System (WMU-24) which was described as a Steel Wet Scrubber. Associated with the former EAF Gas Cleaning System is the K061 Settling Basin (WMU-25) that received sludge from the Electric Arc Furnace Scrubbing Tower.
4-7	An unlabeled, compressed gas tank was observed within a quonset structure north of where gas cleaning operations took place.

4-8	Five (5), uncontained and open storage bins containing lime were observed west of where gas cleaning operations took place.
4-9	Significant staining of concrete and soils was observed throughout the entire area where gas cleaning operations took place.
4-10	An unlabeled, empty 55-gallon steel drum was observed in a small building south of the remaining Gas Cleaning Building. Floor staining within the building was also noted.
4-11	Two (2) above ground concrete containers filled with debris were observed within the former Gas Cleaning Area.
4-12	A PCB-containing transformer labeled as "EPA Drained" was observed in a small building located south of the remaining Gas Cleaning Building.
4-13	Floor staining was observed in a pump control house located near the southern end of the former Gas Cleaning Operations area.
4-14	A broken fiberglass storage tank was observed south of the former Continuous Casting Building.
4-15	Water with an oily sheen was observed in the basement of the former Continuous Casting Building.
4-16	Water with an oily sheen was observed in the concrete lined, former scale pit located north of the former Continuous Casting Building. Identified as WMU-42 in the 2006 NTH report, the basin received water and scale that was produced when cooling water was sprayed on freshly cast steel.
4-17	An Iron Pellet Storage Area, located west of the Detroit River shoreline, was noted in the 2006 NTH report
4-18	A Limestone Storage Stockpile Area, located east of the former Gas Cleaning Building was noted in the 2006 NTH report.
4-19	Ore Yard No.2, located north of the Limestone Storage Stockpile Area, was noted in the 2006 NTH report. The report also identifies that part of Ore Yard No.2 was occupied by a pond of which its purpose and contents were unknown (AOI-37).
4-20	The 2006 NTH report identifies a large area that was previously occupied by the Melt Shop Storage Building where iron was converted into steel as AOI-22. "Five air pollution control systems were used in conjunction with the process. Cooling water and associated scale were directed to the concast scale pit" and process wastes in the building "were never managed in the building". Also noted within the Melt Shop Building is WMU-32, the Kish Control Baghouse Load Out Area where roll-off boxes were filled with fines.

Summary of Area 5 RECs

REC	Description
5-1	Several stockpiles of railroad ties were observed throughout the area.
5-2	Several slag, soil, and debris stockpiles were observed throughout the area.
5-3	According to the 2006 NTH report, a large portion of Area 5 was formerly used as a Scrap Storage Area.
5-4	Former railroad tracks were observed throughout the area indicating extensive railroad operations.
5-5	A concrete lined, subsurface materials vault that was associated with former Conveyor Operations was observed. The vault was filled with water and debris.
5-6	The 2006 NTH report identifies AOI-45 as former Drum Storage Area #2 for chemicals and lubricants, and WMU-28 as Drum Storage Area #1, within Area 5.
5-7	The 2006 NTH report identifies AOI-70 as an area formerly occupied by an AST, with no secondary containment, that stored kerosene.
5-8	According to the 2006 NTH report, a portion of the area was occupied by a Mold Preparation Building, which has since been demolished.

7.2 Historical RECs

There were no HRECs were identified on the Subject Property.

7.3 Controlled RECs

There were no CRECs were identified on the Subject Property.

7.4 *De Minimis Conditions*

No *de minimis* environmental conditions were identified on the Subject Property.

7.5 Opinion

Based on these findings, ECT believes that additional site investigation activities at the Subject Property are warranted to assess the potential environmental impact of these RECs. The investigation results from the past assessment activities that were conducted from 1996 to 2017 may be sufficient to assess a portion of these RECs. However, many subsurface structures that include pits, vaults, sumps and basements, contain water that is potentially contaminated and will require additional investigation. Basement areas were inaccessible due to standing water and could not be assessed, therefore representing a data failure. Additional investigation is recommended where water was present in subsurface structures to appropriately characterize the contents of these structures as the Subject Property is redeveloped. Once the water has been characterized and appropriately disposed, a visual inspection of the subsurface structures should be completed to assess their integrity, as well as identification of additional RECs.

A full inventory of transformers and capacitors should be completed to determine their location, the volume of remaining oil that remains in each transformer and capacitor, and a determination of whether any remaining oil contains PCBs that require special handling and disposal activities.

Additional review of any site drawings, past investigations and cleanup reports that were found in the Main Office Building should be reviewed to determine if additional RECs exist or if any RECs can be eliminated.

A full asbestos survey was not performed as part of the Phase I ESA; however, ECT observed potential galbestos siding covering a majority of the buildings, including the Main Production Building. Additionally, asbestos mixed with dust and soil is suspected on the floor throughout the Main Production Building as well as on piping both in the Main Production Building and several of the auxiliary buildings on the Subject Property. Other hazardous materials are scattered throughout the Subject Property and should be inventoried to prevent inadvertent spills or releases.

8.0 Deviations and Significant Data Gaps

The following deviations or “significant” data gaps, as defined by §312.10 of AAI final rule and §12.7 of ASTM E1527-13 that have been identified within this Phase I ESA are as follows:

- The All Appropriate Inquiry standard and ASTM practice indicates that the Tribal equivalent of the CERCLIS, Solid Waste Facilities/Landfill (SWF/LF), Institutional Control/Engineering Controls, Voluntary Cleanup, and Brownfield databases be searched. It is the understanding of ECT that these databases are not available for the State of Michigan. The impact of this deviation is considered negligible with regard to identifying RECs on the Subject Property.
- Sanborn Maps for the entire Subject Property were not available.
- The uses of the Subject Property prior to 1937 were not identified.
- The basement areas for the Main Office Building the adjacent Wash House, the EAF Gas Cleaning Building, the former Continuous Casting Building and the South Motor Room, were inaccessible due to standing water and were not assessed.

ECT was able to determine the historical usage of the Subject Property from the information sources available for review. However, ECT was not able to access several basements and confined spaces for health and safety reasons. The inaccessibility of these areas represents a data failure. It is recommended that the water present in these areas be removed to allow for the appropriate visual inspection.

No other deviations or “significant” data gaps were identified in this Phase I ESA.

9.0 Additional Services

The following additional services were not provided as part of this Phase I ESA:

- Asbestos containing materials assessment
- Lead-based paint survey
- Lead assessment in drinking water
- Radon assessment
- Wetlands determination
- Regulatory compliance analysis
- Inventory of cultural and historic resources
- Assessment of ecological resources
- Biological agents inventory
- Industrial hygiene assessment
- Endangered species assessment
- Health and safety assessment
- Mold assessment
- Indoor air quality characterization

10.0 References

- ASTM Standard E 1527-13, "Specification Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process," ASTM International, West Conshohocken, PA, 2013, 10.1520/E1527-13, www.astm.org.
- Interview, Brian Kelly, On Scene Coordinator with USEPA, July 17, 2017.
- Interview, David Slayton, MDEQ Waste Division, July 20, 2017.
- Interview, Patricia Thornton, MDEQ Remediation and Redevelopment Division, July 24, 2017.
- Quaternary Geology of Southern Michigan, Michigan Department of Natural Resources, Geological Survey Division, 1982.
- GeoWebFace Mapping tool, Michigan Department of Environmental Quality, Online Resource, www.deq.state.mi.us/GeoWebFace/. Accessed July 6, 2017.
- Environmental Data Resources, Inc., (EDR), EDR-Radius Map™ Report with GeoCheck®: Inquiry No. 4988613.2s, July 10, 2017.
- EDR, The EDR Aerial Photo Decade Package: Inquiry No. 4796465.9, December 07, 2016.
- EDR, The EDR Historical Topographic Map Report: Inquiry No. 4796465.4, December 02, 2016.
- EDR, The EDR Sanborn Map Report: Inquiry No. 4796465.3, December 04, 2016.
- EDR, The EDR City Directory Image Report: Inquiry No. 4796465.5, December 07, 2016.
- Techna Corporation, *Work Plan Summary – Initial Site Assessment*, July 1, 1997
- Techna Corporation, *Response to July 10, 1997, MDEQ Comments on Initial Assessment Approach*, July 14, 1997
- Techna Corporation, *Preliminary Assessment Data -DSC Trenton and Gibraltar Plants*, August 25, 1997
- Comprehensive Corrective Action and Remedial Consent Order (CCARCO), December 2009
- Environmental Strategies Corporation, *Interim Measures Work Plan*, March 17, 2000
- Environmental Strategies Corporation, *Quarterly Project Status Reports* - May 2000, August 2000, November 2000, February 2001, May 2001, August 2001, November 2001, and January 2002.
- O'Brien & Gere Engineers, *Final Report, Groundwater Plume Investigation AOC-1*, December 2001
- NTH Consultants, *Proposed Groundwater Management Approach, Former McLouth Steel Redevelopment Site*, July 20, 2005

NTH Consultants, *Draft Soil and Groundwater Analytical Data, Former McLouth Steel Redevelopment Site*, October 11, 2005

NTH Consultants, *Project Memorandum, Addendum #5, Site Investigation Activities, Former McLouth Steel Redevelopment Site*, October 20, 2005

NTH Consultants, *Draft Work Plan for Remediation of PCB Related Materials (TSCA Work Plan)*, December 2005

NTH Consultants, *Draft Pollution Minimization Plan (PMP)*, December 2005

NTH Consultants, *Work Plan for RCRA Closure Activities (RCRA Work Plan)*, December 2005-Revised March 2005

NTH Consultants, *Michigan Brownfield Redevelopment Financing Act 381 Work Plan to Conduct MDEQ and MEGA*

NTH Consultants, *Eligible Activities, Former McLouth Steel Redevelopment Site*, January 2006

MDEQ Staff Report, June 27, 2007

Superfund Technical Assessment and Response Team, *DSC Trenton Site Letter Report*, October 29, 2007

Unilateral Order of Consent, September 2008

MDEQ, *CERCLA Re-Assessment Report for McLouth Steel Corp*, December 5, 2014

MDEQ, *Expanded Site Inspection Work Plan for McLouth Steel Corp*, October 15, 2015

MDEQ, *Expanded Site Inspection Report for McLouth Steel Corp*, Jul 3, 2017

MDEQ, *Briefing Report for the Detroit Steel Company (former McLouth Steel Trenton Plant)*, May 25, 2017

EPA, *Transformer Tracking Summary*, May 2009

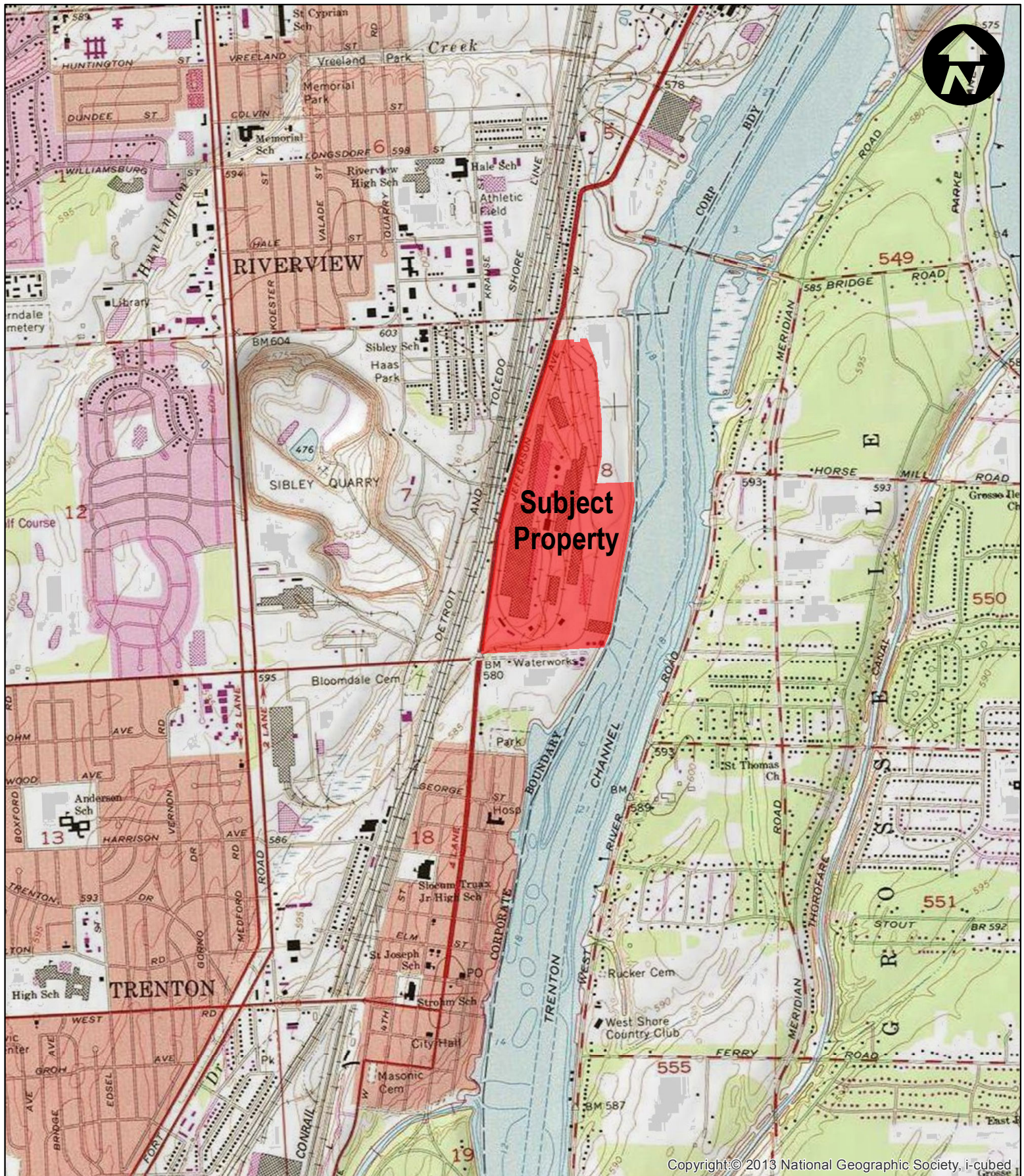
Mich. Comp. Laws § 324.20126 (1994).
42 U.S.C. 9607(b)(3)
40 CFR § 312.

Herndon, D., The News-Herald, “*McLouth Steel Plant has Decades of Good and Bad Memories for Former Employees*”, April 7, 2017

State of Michigan Department of Environmental Quality, Remediation and Redevelopment Division, Perfected Lien List. Updated September 24, 2015.

http://www.michigan.gov/documents/deq/deq-rrd-ce-PERFECTEDLIENLIST.100212_399835_7.pdf

Figures



Copyright © 2013 National Geographic Society, i-cubed

Figure 1: Subject Property Location Map

Former McLouth Steel Facility
1491 West Jefferson Avenue
Trenton, Wayne County, Michigan

0 1,000 2,000 4,000
Feet

ECT



Figure 2: Subject Property Boundary Map

Former McLouth Steel Facility
1491 West Jefferson Avenue
Trenton, Wayne County, Michigan

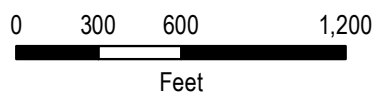
0 375 750 1,500
Feet

ECT



Figure 3: Site and Surrounding Properties

Former McLouth Steel Facility
 1491 West Jefferson Avenue
 Trenton, Wayne County, Michigan



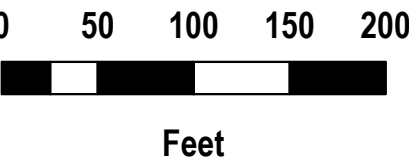
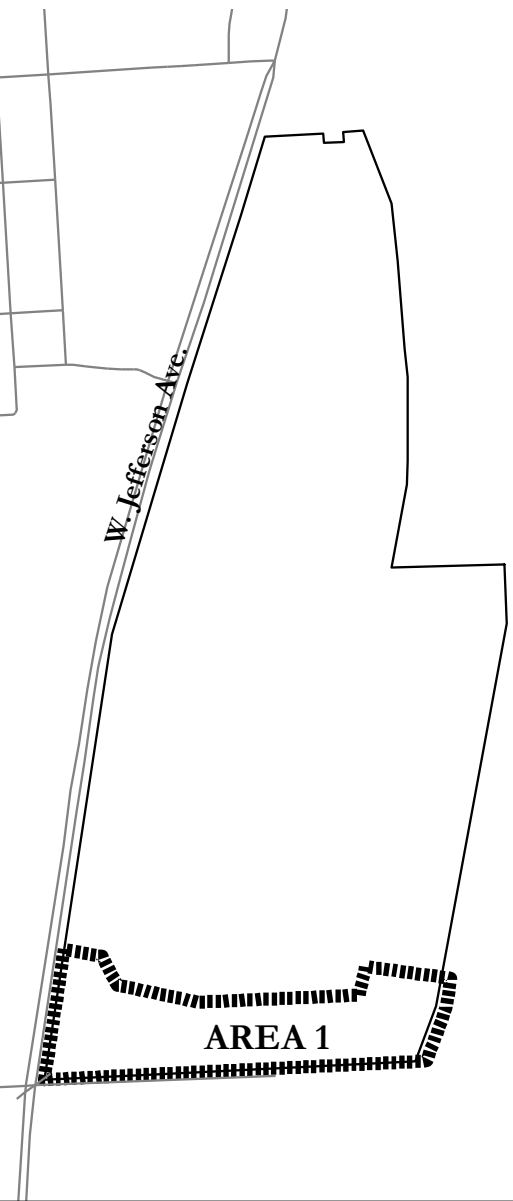


Former McLouth Steel
Figure 4
Area 1 Recognized
Environmental Conditions

Legend

- Former Structure
- Parking/Concrete Pad
- Pit Locations
- Structures
- Tanks
- Sedimentation Basin
- Former Conveyors
- Observed REC
- Unobserved REC

Site Location



Prepared by:



Source: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AEX, Getmapping, Aerogrid, IGN, IGP, swisstopo, and the GIS User Community

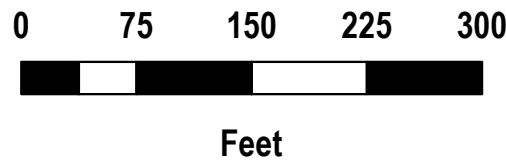
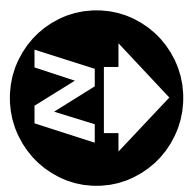
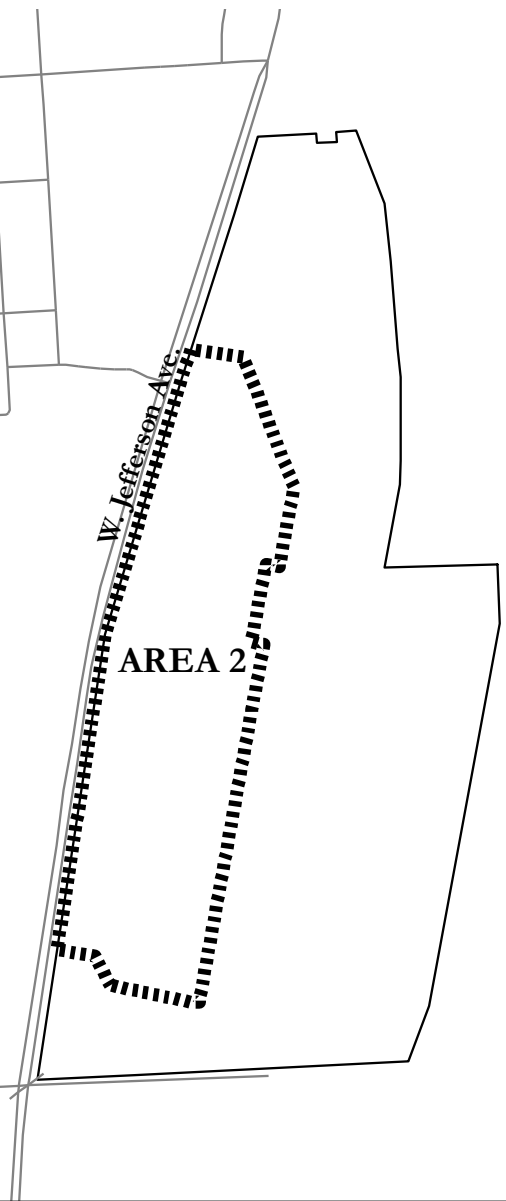


Former McLouth Steel
Figure 5
Area 2 Recognized
Environmental Conditions

Legend

- Former Structure
- Parking/Concrete Pad
- Pit Locations
- Structures
- Tanks
- Sedimentation Basin
- Former Conveyors
- Observed REC
- Unobserved REC

Site Location



Prepared by:



Source: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA

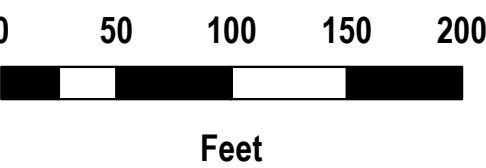
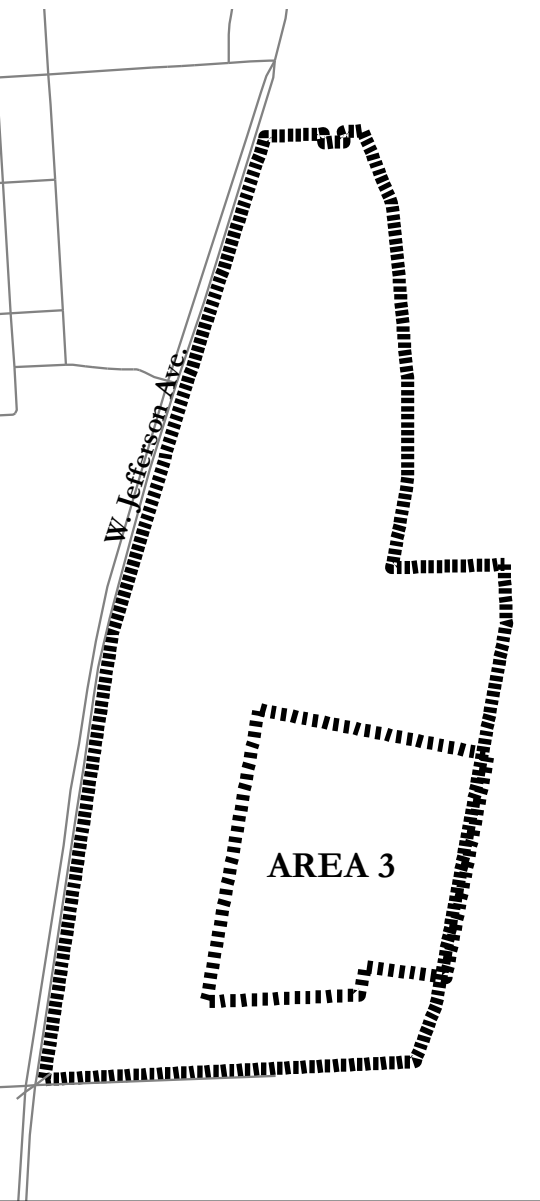


Former McLouth Steel
Figure 6
Area 3 Recognized
Environmental Conditions

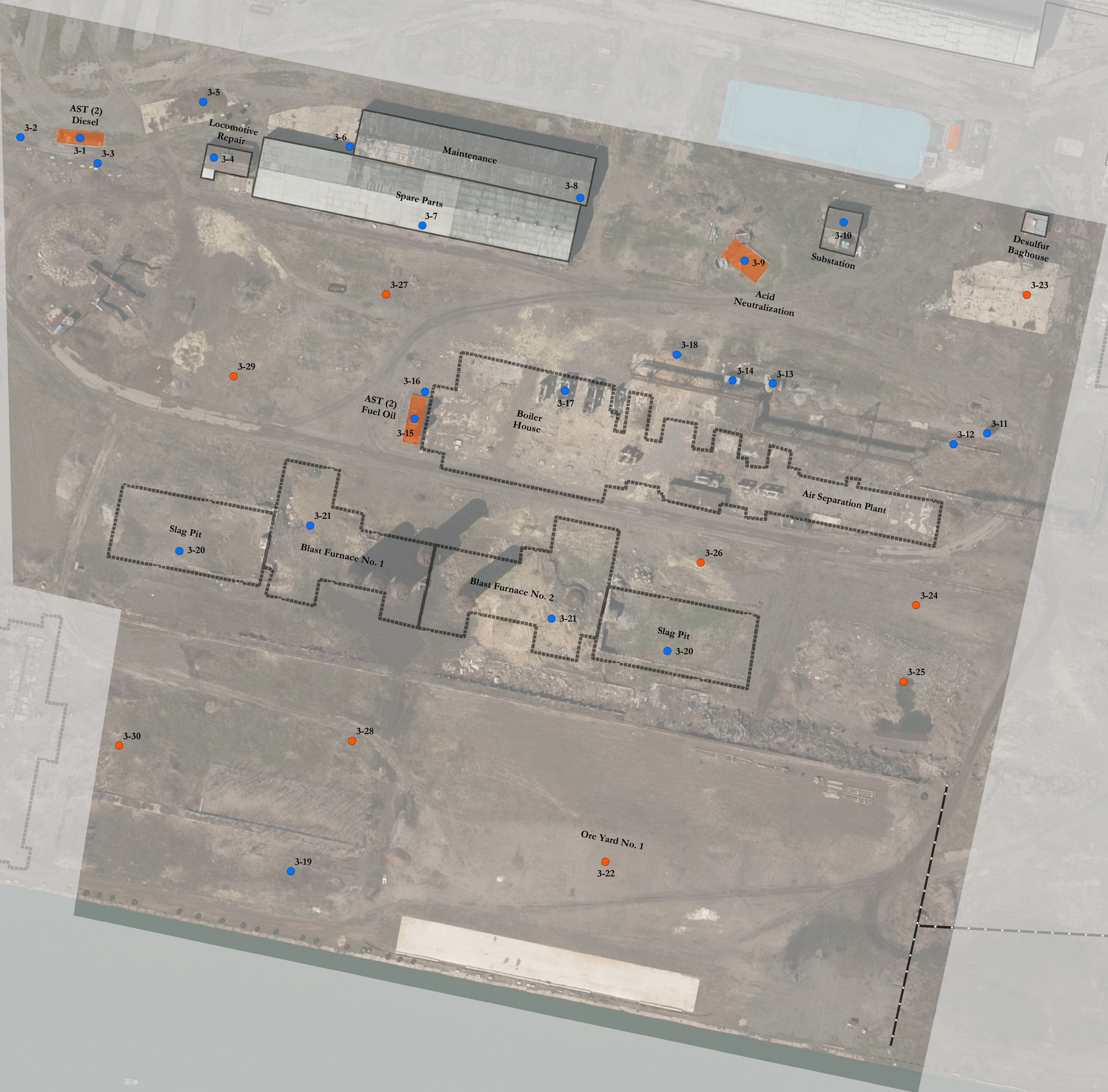
Legend

- Former Structure
- Parking/Concrete Pad
- Pit Locations
- Structures
- Tanks
- Sedimentation Basin
- Former Conveyors
- Observed REC
- Unobserved REC

Site Location



Prepared by:



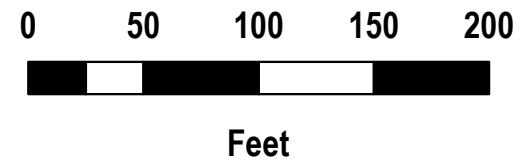
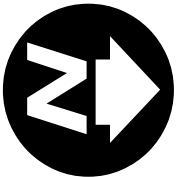


Former McLouth Steel
Figure 7
Area 4 Recognized
Environmental Conditions

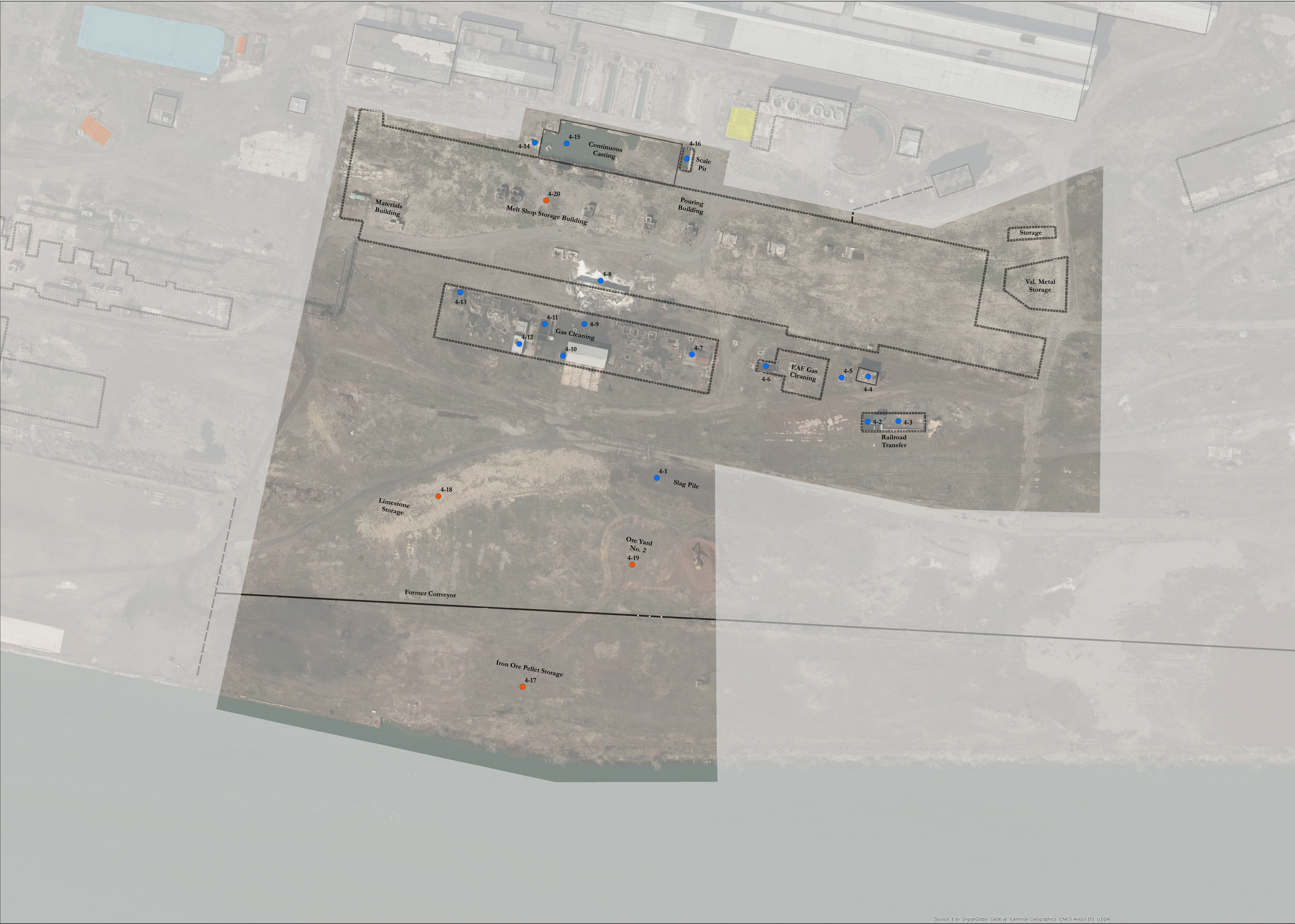
Legend

- Former Structure
- Parking/Concrete Pad
- Pit Locations
- Structures
- Tanks
- Sedimentation Basin
- Former Conveyors
- Observed REC
- Unobserved REC

Site Location



Prepared by:



Source: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA

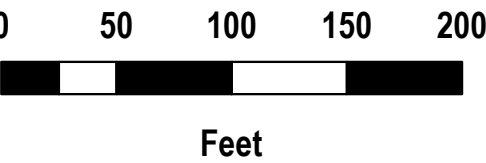
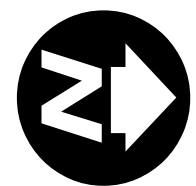
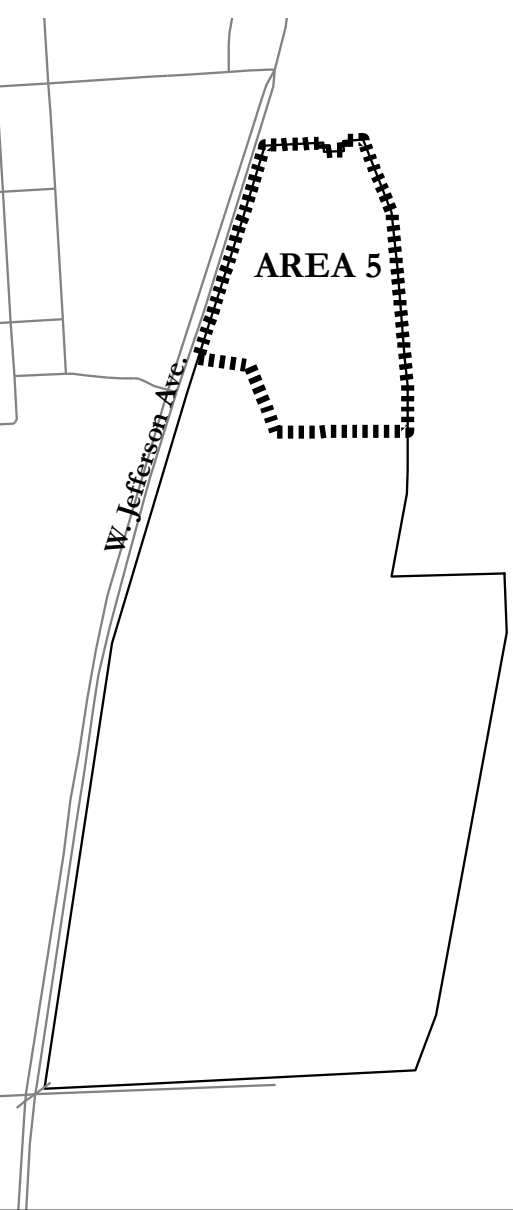


Former McLouth Steel
Figure 8
Area 5 Recognized
Environmental Conditions

Legend

- Former Structure
- Parking/Concrete Pad
- Pit Locations
- Structures
- Tanks
- Sedimentation Basin
- Former Conveyors
- Observed REC
- Unobserved REC

Site Location



Prepared by:



Appendix A

EDR Radius Map™ Report with Geocode®

Former Mclouth Steel Facility

1491 West Jefferson Avenue
Trenton, MI 48183

Inquiry Number: 4988613.2s
July 10, 2017

The EDR Radius Map™ Report



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

TABLE OF CONTENTS

<u>SECTION</u>	<u>PAGE</u>
Executive Summary	ES1
Overview Map	2
Detail Map	3
Map Findings Summary	4
Map Findings	8
Orphan Summary	220
Government Records Searched/Data Currency Tracking	GR-1

GEOCHECK ADDENDUM

GeoCheck - Not Requested

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

Disclaimer - Copyright and Trademark Notice

This Report contains certain information obtained from a variety of public and other sources reasonably available to Environmental Data Resources, Inc. It cannot be concluded from this Report that coverage information for the target and surrounding properties does not exist from other sources. **NO WARRANTY EXPRESSED OR IMPLIED, IS MADE WHATSOEVER IN CONNECTION WITH THIS REPORT. ENVIRONMENTAL DATA RESOURCES, INC. SPECIFICALLY DISCLAIMS THE MAKING OF ANY SUCH WARRANTIES, INCLUDING WITHOUT LIMITATION, MERCHANTABILITY OR FITNESS FOR A PARTICULAR USE OR PURPOSE. ALL RISK IS ASSUMED BY THE USER. IN NO EVENT SHALL ENVIRONMENTAL DATA RESOURCES, INC. BE LIABLE TO ANYONE, WHETHER ARISING OUT OF ERRORS OR OMISSIONS, NEGLIGENCE, ACCIDENT OR ANY OTHER CAUSE, FOR ANY LOSS OF DAMAGE, INCLUDING, WITHOUT LIMITATION, SPECIAL, INCIDENTAL, CONSEQUENTIAL, OR EXEMPLARY DAMAGES. ANY LIABILITY ON THE PART OF ENVIRONMENTAL DATA RESOURCES, INC. IS STRICTLY LIMITED TO A REFUND OF THE AMOUNT PAID FOR THIS REPORT.** Purchaser accepts this Report "AS IS". Any analyses, estimates, ratings, environmental risk levels or risk codes provided in this Report are provided for illustrative purposes only, and are not intended to provide, nor should they be interpreted as providing any facts regarding, or prediction or forecast of, any environmental risk for any property. Only a Phase I Environmental Site Assessment performed by an environmental professional can provide information regarding the environmental risk for any property. Additionally, the information provided in this Report is not to be construed as legal advice.

Copyright 2017 by Environmental Data Resources, Inc. All rights reserved. Reproduction in any media or format, in whole or in part, of any report or map of Environmental Data Resources, Inc., or its affiliates, is prohibited without prior written permission.

EDR and its logos (including Sanborn and Sanborn Map) are trademarks of Environmental Data Resources, Inc. or its affiliates. All other trademarks used herein are the property of their respective owners.

EXECUTIVE SUMMARY

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

TARGET PROPERTY INFORMATION

ADDRESS

1491 WEST JEFFERSON AVENUE
TRENTON, MI 48183

COORDINATES

Latitude (North):	42.1617890 - 42° 9' 42.44"
Longitude (West):	83.1715360 - 83° 10' 17.52"
Universal Transverse Mercator:	Zone 17
UTM X (Meters):	320605.5
UTM Y (Meters):	4669808.5
Elevation:	584 ft. above sea level

USGS TOPOGRAPHIC MAP ASSOCIATED WITH TARGET PROPERTY

Target Property Map:	6066346 WYANDOTTE, MI
Version Date:	2014

AERIAL PHOTOGRAPHY IN THIS REPORT

Portions of Photo from:	20140628
Source:	USDA

MAPPED SITES SUMMARY

Target Property Address:
1491 WEST JEFFERSON AVENUE
TRENTON, MI 48183

Click on Map ID to see full detail.

MAP ID	SITE NAME	ADDRESS	DATABASE ACRONYMS	RELATIVE ELEVATION	DIST (ft. & mi.) DIRECTION
A1	RIVERVIEW TRENTON RA	1491 JEFFERSON AVE	SEMS, PRP		TP
A2	MI DEPT/NATURAL RESO	1491 W JEFFERSON AVE	RCRA NonGen / NLR		TP
A3	STEEL ROLLING HOLDIN	1491 W. JEFFERSON AV	FINDS		TP
A4	DETROIT STEEL CO TRE	1491 WEST JEFFERSON	ICIS, FINDS, ECHO		TP
A5		1491 W.JEFFERSON	MI SPILLS		TP
A6	DETROIT STEEL CO	1491 WEST JEFFERSON	ICIS, PCB TRANSFORMER		TP
A7	MICHIGAN SITE NETWOR	1491 W. JEFFERSON AV	MI BROWNFIELDS		TP
A8	DSC LTD.	1491 WEST JEFFERSON	PCB TRANSFORMER		TP
A9	RIVERVIEW TRENTON RA	1491 JEFFERSON AVE	ICIS, FINDS, ECHO		TP
A10	MI DEPT/NATURAL RESO	1491 W JEFFERSON AVE	FINDS, ECHO		TP
A11	MCLOATH STEEL PRODUC	1491 W JEFFERSON	FTTS, HIST FTTS		TP
A12	MCLOUTH STEEL PRODUC	1491 W JEFFERSON AVE	MI RGA LUST		TP
A13	DSC-TRENTON	1491 WEST JEFFERSON	SEMS, PRP		TP
A14	MCCLOUD STEEL	1491 W. JEFFERSON	MI RGA LUST		TP
A15	MCLOUTH STEEL PRODUC	1491 W. JEFFERSON AV	MI RGA LUST		TP
A16		1491 W.JEFFERSON AVE	MI SPILLS		TP
A17	MC CLOUTH STEEL (FOR	1491 W. JEFFERSON AV	MI INVENTORY		TP
A18	MCLOUTH STEEL TRENTO	1491 W. JEFFERSON	MI INVENTORY, MI PART 201, MI BEA, MI WDS		TP
A19	DSC-TRENTON PLANT	1491 WEST JEFFERSON	MI AUL, MI SPILLS, MI BEA, MI NPDES		TP
A20		1491 WEST JEFFERSON	MI SPILLS		TP
A21	MCLOUTH STEEL TRENTO	1491 W. JEFFERSON	MI RGA PART 201		TP
A22	MCLOUTH STEEL PRODUC	1491 JEFFERSON AVENU	FINDS		TP
A23		1491 WEST JEFFERSON	ERNS		TP
A24		1491 WEST JEFFERSON	ERNS		TP
A25	THE RIVERVIEW TRENTO	1491 WEST JEFFERSON	MI INVENTORY		TP
A26		1491 W. JEFFERSON AV	ERNS		TP
A27	MCLOATH STEEL PRODUC	1491 W JEFFERSON	FTTS, HIST FTTS		TP
A28		1491 WEST JEFFERSON	ERNS		TP
A29	MC CLOUTH STEEL (FOR	1491 W. JEFFERSON AV	MI INVENTORY		TP
A30	MCLOUTH STEEL	1491 W. JEFFERSON	MI RGA LUST		TP
A31		1491 WEST JEFFERSON	ERNS		TP
A32		1491 WEST JEFFERSON	ERNS		TP
A33	MC CLOUTH STEEL (FOR	1491 W. JEFFERSON AV	MI INVENTORY		TP
A34		1491 WEST JEFFERSON	ERNS		TP
A35		1491 WEST JEFFERSON	ERNS		TP
A36		1491 WEST JEFFERSON	ERNS		TP
A37	DETROIT STEEL COMPAN	1491 W JEFFERSON AVE	SEMS, CORRACTS, MI LUST, MI UST, MI INVENTORY,...		TP
A38		1491 WEST JEFFERSON	ERNS		TP
A39		1491 JEFFERSON AVE.	ERNS		TP

MAPPED SITES SUMMARY

Target Property Address:
1491 WEST JEFFERSON AVENUE
TRENTON, MI 48183

Click on Map ID to see full detail.

MAP ID	SITE NAME	ADDRESS	DATABASE ACRONYMS	RELATIVE ELEVATION	DIST (ft. & mi.) DIRECTION
A40		1491 WEST JEFFERSON	ERNS		TP
B41	EDWARD C LEVY CO	55 KING RD	RCRA-CESQG, ICIS, US AIRS	Higher	1 ft.
B42	EDW C LEVY CO PLANTS	55 KING RD	FINDS, ECHO	Higher	1 ft.
B43	EDW LEVY SITE	83 KING RD	FINDS	Higher	1 ft.
B44	EDW LEVY SITE	83 KING RD	SEMS	Higher	1 ft.
C45	DTE ENERGY SITE	WEST JEFFERSON AVE A	US BROWNFIELDS	Lower	1 ft.
C46	DTE ENERGY SITE	WEST JEFFERSON AVE A	FINDS	Lower	1 ft.
B47	EDWARD C LEVY CO	55 KING RD	MI WDS	Higher	1 ft.
C48	ANTEAU PROPERTY	34891 W JEFFERSON	MI RGA LUST	Higher	1 ft.
49	TRENTON RIVERFRONT	WEST JEFFERSON AVENU	US BROWNFIELDS, FINDS	Higher	38, 0.007, North
D50	STRUCTURAL PRESERVAT	280 W JEFFERSON AVE	RCRA NonGen / NLR	Higher	113, 0.021, North
E51	PINEFRESH AUTO WASH	200 W JEFFERSON AVE	RCRA NonGen / NLR	Higher	118, 0.022, North
52	ECKLES AUTOMOTIVE CO	1240 W JEFFERSON AVE	EDR Hist Auto	Higher	127, 0.024, SW
F53	U-STOW-N-LOCK	1260 W. JEFFERSON AV	MI BEA	Higher	128, 0.024, SSW
F54	1260 W. JEFFERSON	1260 WEST JEFFERSON	MI INVENTORY	Higher	128, 0.024, SSW
F55	U-STOW-N-LOCK	1260 W. JEFFERSON AV	MI INVENTORY	Higher	128, 0.024, SSW
D56	JIMS GARAGE	344 W JEFFERSON	EDR Hist Auto	Higher	133, 0.025, North
D57	D&K MANAGING CONSULT	230 W JEFFERSON AVE	RCRA-CESQG	Higher	247, 0.047, North
E58	1 WEST JEFFERSON, LL	1 AND 110 WEST JEFFE	MI INVENTORY	Higher	262, 0.050, North
E59	MICHIGAN FUELS	1 AND 110 WEST JEFFE	MI INVENTORY	Higher	262, 0.050, North
E60	MICHIGAN FOUNDATION	110 W JEFFERSON AVE	RCRA NonGen / NLR	Higher	262, 0.050, North
E61	MICHIGAN FOUNDATION	110 W JEFFERSON	RCRA-CESQG, FINDS, ECHO	Higher	262, 0.050, North
E62	MICH FOUNDATION CO /	110 W JEFFERSON AVE	MI LUST, MI UST, MI AIRS, MI WDS	Higher	262, 0.050, North
E63	FUELS TRANSPORTATION	1 AND 110 WEST JEFFE	MI INVENTORY	Higher	262, 0.050, North
E64	MICHIGAN FOUNDATION	110 W JEFFERSON AVE	MI AST	Higher	262, 0.050, North
G65	TRENTON 1601 AND 162	1601/1621 WEST JEFFE	US BROWNFIELDS, FINDS	Lower	380, 0.072, SSW
G66	EDWARD C LEVY CO	1601 W JEFFERSON AVE	CORRACTS, RCRA-TSDF, RCRA NonGen / NLR, RAATS	Lower	380, 0.072, SSW
H67	FRITZ ENTERPRISES IN	1650 W JEFFERSON	RCRA NonGen / NLR	Lower	710, 0.134, SSW
H68	FRITZ ENTERPRISES, I	1650 WEST JEFFERSON	MI SWRCY	Lower	710, 0.134, SSW
H69	MCLOUTH STEEL TRENTO	1650 WEST JEFFERSON	MI AUL	Lower	710, 0.134, SSW
70	DETROIT EDISON COMPA	502 QUARRY ROAD	SEMS-ARCHIVE, RCRA-CESQG	Higher	823, 0.156, NW
H71	TRENTON RIVERSIDE SI	1737-1769 W. JEFFERS	MI BROWNFIELDS, MI PART 201, MI INVENTORY	Lower	842, 0.159, SSW
72	PANCHO'S MEXICAN RES	3848-3902 BIDDLE ST	MI LUST, MI UST	Higher	1258, 0.238, North
I73	ANDYS CUSTOM BODY	18759 KRAUSE ST	RCRA NonGen / NLR, FINDS, ECHO	Higher	1273, 0.241, North
I74	ASH-STEVENS, INC	18655 KRAUSE ST.	RCRA-LQG, FINDS, ECHO	Higher	1273, 0.241, North
J75	ASH STEVENS, INC.	18601 KRAUSE STREET	MI INVENTORY	Higher	1421, 0.269, North
J76	CONTROL MANUFACTURIN	18601 KRAUSE AVE	MI BEA, MI NPDES, MI WDS	Higher	1421, 0.269, North
J77	18601 KRAUSE STREET	18601 KRAUSE STREET	US BROWNFIELDS	Higher	1421, 0.269, North
I78	INDUSTRIAL WASTE MAN	18600 KRAUSE	GA SWF/LF	Higher	1475, 0.279, North

MAPPED SITES SUMMARY

Target Property Address:
1491 WEST JEFFERSON AVENUE
TRENTON, MI 48183

Click on Map ID to see full detail.

MAP ID	SITE NAME	ADDRESS	DATABASE ACRONYMS	RELATIVE ELEVATION	DIST (ft. & mi.) DIRECTION
79	RIVERVIEW TRENTON RA	18251 WEST JEFFERSON	MI INVENTORY	Lower	1621, 0.307, North
80	CITY OF RIVERVIEW DE	18550 KRAUSE ST	MI LUST, MI UST, RCRA NonGen / NLR, FINDS, ECHO,...	Higher	1700, 0.322, North
K81	MONGUAGON CREEK	JCT. JEFFERSON/GROSS	MI INVENTORY, MI PART 201	Lower	1920, 0.364, NNE
82	PROACTIVE LOGISTIC S	2540 PARK AVENUE	MI INVENTORY	Higher	1955, 0.370, NW
K83	JEFFERSON AVE. CAUST	SE CORNER OF JEFFERS	SEMS, ECHO	Lower	1956, 0.370, North
84	CENTURY CEMENT CO IN	12600 SIBLEY RD	MI LUST, MI UST, MI INVENTORY, MI Financial...	Higher	2007, 0.380, NNW
L85	MONQUAQON CREEK	JEFFERSON AW BRIDGE	SEMS	Lower	2182, 0.413, NNE
L86	BASF CORP	18099 WEST JEFFERSON	MI AUL, MI PART 201, MI AIRS, MI WDS	Lower	2340, 0.443, NNE
87	GENERAL ELECTRIC DET	18075 KRAUSE AVENUE	SEMS-ARCHIVE, CORRACTS, RCRA-TSDF, RCRA-CESQG, MI	Higher	2354, 0.446, North
M88	BASF RIVERVIEW (FED.	18099 W. JEFFERSON	MI INVENTORY	Lower	2537, 0.480, NNE
M89	FEDERAL MARINE TERM	18099 W JEFFERSON	SEMS, RCRA NonGen / NLR, FINDS, ECHO	Lower	2537, 0.480, NNE
90	RIVERSIDE OSTEOPATHI	150 TRUAX ST	MI LUST, MI UST, MI INVENTORY, RCRA NonGen / NLR,...	Higher	2565, 0.486, SSW
91	BMI INC	18035 KRAUSE ST	MI LUST, MI UST, MI WDS	Higher	2597, 0.492, North
92	DETROIT APARATUS	11861 LONGSDORF ST	MI LUST, MI UST, MI INVENTORY, MI WDS	Higher	2623, 0.497, North
93	VALLEY-VULCAN MOLD C	1251 FORT ST	MI LUST, MI UST, MI AUL, MI BROWNFIELDS, MI...	Higher	3184, 0.603, WSW
94	FIRESTONE PROPERTY,	17423 JEFFERSON	MI INVENTORY, MI PART 201	Lower	3322, 0.629, NNE

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
RIVERVIEW TRENTON RA 1491 JEFFERSON AVE RIVERVIEW, MI 48138	SEMS Site ID: 0510380 EPA Id: MIN000510380 PRP	MIN000510380
MI DEPT/NATURAL RESO 1491 W JEFFERSON AVE TRENTON, MI 48183	RCRA NonGen / NLR EPA ID:: MIK226366870	MIK226366870
STEEL ROLLING HOLDIN 1491 W. JEFFERSON AV TRENTON, MI 40193	FINDS Registry ID:: 110042354957	N/A
DETROIT STEEL CO TRE 1491 WEST JEFFERSON TRENTON, MI 48183	ICIS FRS ID:: 110000406285 FINDS Registry ID:: 110000406285 ECHO	N/A
1491 W.JEFFERSON 1491 W.JEFFERSON TRENTON, MI	MI SPILLS	N/A
DETROIT STEEL CO 1491 WEST JEFFERSON TRENTON, MI 48183	ICIS FRS ID:: 110000406285 PCB TRANSFORMER	N/A
MICHIGAN SITE NETWORK 1491 W. JEFFERSON AV TRENTON, MI	MI BROWNFIELDS Database: BROWNFIELDS 2, Date of Government Version: 04/09/2007 Site Id Number: 1000018	N/A
DSC LTD. 1491 WEST JEFFERSON TRENTON, MI 48183	PCB TRANSFORMER	N/A
RIVERVIEW TRENTON RA 1491 JEFFERSON AVE TRENTON, MI 48183	ICIS FRS ID:: 110039390334 FINDS	N/A

EXECUTIVE SUMMARY

	Registry ID:: 110039390334	
	ECHO	
MI DEPT/NATURAL RESO 1491 W JEFFERSON AVE TRENTON, MI 48183	FINDS Registry ID:: 110039560926 ECHO	N/A
MCLOATH STEEL PRODUC 1491 W JEFFERSON TRENTON, MI 48183	FTTS Database: FTTS INSP, Date of Government Version: 04/09/2009 HIST FTTS Database: HIST FTTS INSP, Date of Government Version: 10/19/2006	N/A
MCLOUTH STEEL PRODUC 1491 W JEFFERSON AVE TRENTON, MI	MI RGA LUST Facility ID: 00021717 Facility ID: 0-021717 Facility ID: 21717	N/A
DSC-TRENTON 1491 WEST JEFFERSON TRENTON, MI 48183	SEMS Site ID: 0510214 EPA Id: MIN000510214 PRP	MIN000510214
MCCLOUD STEEL 1491 W. JEFFERSON TRENTON, MI	MI RGA LUST	N/A
MCLOUTH STEEL PRODUC 1491 W. JEFFERSON AV TRENTON, MI	MI RGA LUST Facility ID: 0-021717	N/A
1491 W.JEFFERSON AVE 1491 W.JEFFERSON AVE TRENTON, MI	MI SPILLS	N/A
MC CLOUTH STEEL (FOR 1491 W. JEFFERSON AV WAYNE (County), MI	MI INVENTORY	N/A
MCLOUTH STEEL TRENTO 1491 W. JEFFERSON TRENTON, MI 48183	MI INVENTORY Facility ID: 82001699 MI PART 201 Facility Status: Contact Lead Division for current status Facility ID: 82001699 MI BEA MI WDS	N/A

EXECUTIVE SUMMARY

	WMD Id: 395074 WMD Id: 486283 Site Id: MID017422304 Site Id: MIK226366870	
DSC-TRENTON PLANT 1491 WEST JEFFERSON TRENTON, MI 48183	MI AUL MI SPILLS MI BEA MI NPDES Permit Number: MI0002399	N/A
1491 WEST JEFFERSON 1491 WEST JEFFERSON TRENTON, MI	MI SPILLS	N/A
MCLOUTH STEEL TRENTO 1491 W. JEFFERSON TRENTON, MI	MI RGA PART 201 Facility ID: 82001699	N/A
MCLOUTH STEEL PRODUC 1491 JEFFERSON AVENU TRENTON, MI 48183	FINDS Registry ID:: 110017408599	N/A
1491 WEST JEFFERSON 1491 WEST JEFFERSON TRENTON, MI 48183	ERNS NRC Report #: 161874	N/A
1491 WEST JEFFERSON 1491 WEST JEFFERSON TRINTON, MI 48183	ERNS NRC Report #: 161872	N/A
THE RIVERVIEW TRENTO 1491 WEST JEFFERSON WAYNE (County), MI	MI INVENTORY	N/A
1491 W. JEFFERSON AV 1491 W. JEFFERSON AV TRENTON, MI 48183	ERNS NRC Report #: 756082	N/A
MCLOATH STEEL PRODUC 1491 W JEFFERSON TRENTON, MI 48183	FTTS Database: FTTS INSP, Date of Government Version: 04/09/2009 HIST FTTS Database: HIST FTTS INSP, Date of Government Version: 10/19/2006	N/A
1491 WEST JEFFERSON 1491 WEST JEFFERSON TRENTON, MI 48183	ERNS	N/A

EXECUTIVE SUMMARY

NRC Report #: 195257

MC CLOUTH STEEL (FOR
1491 W. JEFFERSON AV
WAYNE (County), MI

MI INVENTORY

N/A

MCLOUTH STEEL
1491 W. JEFFERSON
TRENTON, MI

MI RGA LUST

N/A

1491 WEST JEFFERSON
1491 WEST JEFFERSON
TRENTON, MI

ERNS
NRC Report #: 192943

N/A

1491 WEST JEFFERSON
1491 WEST JEFFERSON
TRENTON, MI

ERNS
NRC Report #: 741417

N/A

MC CLOUTH STEEL (FOR
1491 W. JEFFERSON AV
WAYNE (County), MI

MI INVENTORY

N/A

1491 WEST JEFFERSON
1491 WEST JEFFERSON
TRINTON, MI 48183

ERNS
NRC Report #: 109374

N/A

1491 WEST JEFFERSON
1491 WEST JEFFERSON
TRENTON, MI

ERNS
NRC Report #: 618339

N/A

1491 WEST JEFFERSON
1491 WEST JEFFERSON
TRENTON, MI 48183

ERNS
NRC Report #: 162071

N/A

DETROIT STEEL COMPAN
1491 W JEFFERSON AVE
TRENTON, MI 48183

SEMS
CORRACTS
EPA ID:: MID017422304

MID017422304

MI LUST
Release Status: Open
Facility Id: 00021717

MI UST
Database: UST, Date of Government Version: 10/21/2016

EXECUTIVE SUMMARY

Tank Status: Removed from Ground
Facility Type: CLOSED
Facility Id: 00021717

MI INVENTORY
Facility ID: 00021717

RCRA NonGen / NLR
EPA ID:: MID017422304

2020 COR ACTION
EPA ID:: MID017422304

PADS
EPAID:: MID017422304

ICIS
FRS ID:: 110000406285

US AIRS
Database: US AIRS (AFS), Date of Government Version: 10/12/2016
EPA plant ID:: 110000406285

MI AIRS
State Registration Id: B2116

1491 WEST JEFFERSON
1491 WEST JEFFERSON
TRENTON, MI 48183

ERNS
NRC Report #: 163899

N/A

1491 JEFFERSON AVE.
1491 JEFFERSON AVE.
TRENTON, MI

ERNS
NRC Report #: 641622

N/A

1491 WEST JEFFERSON
1491 WEST JEFFERSON
TRENTON, MI 48183

ERNS
NRC Report #: 155022

N/A

DATABASES WITH NO MAPPED SITES

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

STANDARD ENVIRONMENTAL RECORDS

Federal NPL site list

NPL..... National Priority List

EXECUTIVE SUMMARY

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

Federal Delisted NPL site list

Delisted NPL..... National Priority List Deletions

Federal CERCLIS list

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

Federal RCRA generators list

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

Federal institutional controls / engineering controls registries

LUCIS..... Land Use Control Information System
US ENG CONTROLS..... Engineering Controls Sites List
US INST CONTROL..... Sites with Institutional Controls

State- and tribal - equivalent CERCLIS

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

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

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

State and tribal leaking storage tank lists

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

State and tribal registered storage tank lists

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

State and tribal voluntary cleanup sites

INDIAN VCP..... Voluntary Cleanup Priority Listing

ADDITIONAL ENVIRONMENTAL RECORDS

Local Lists of Landfill / Solid Waste Disposal Sites

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

Local Lists of Hazardous waste / Contaminated Sites

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

EXECUTIVE SUMMARY

MI CDL..... Clandestine Drug Lab Listing
MI DEL PART 201..... Delisted List of Contaminated Sites
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

Other Ascertainable Records

FUDS..... Formerly Used Defense Sites
DOD..... Department of Defense Sites
SCRD DRYCLEANERS..... State Coalition for Remediation of Drycleaners Listing
US FIN ASSUR..... Financial Assurance Information
EPA WATCH LIST..... EPA WATCH LIST
TSCA..... Toxic Substances Control Act
TRIS..... Toxic Chemical Release Inventory System
SSTS..... Section 7 Tracking Systems
ROD..... Records Of Decision
RMP..... Risk Management Plans
MLTS..... Material Licensing Tracking System
COAL ASH DOE..... Steam-Electric Plant Operation Data
COAL ASH EPA..... Coal Combustion Residues Surface Impoundments List
RADINFO..... Radiation Information Database
DOT OPS..... Incident and Accident Data
CONSENT..... Superfund (CERCLA) Consent Decrees
INDIAN RESERV..... Indian Reservations
FUSRAP..... Formerly Utilized Sites Remedial Action Program
UMTRA..... Uranium Mill Tailings Sites
LEAD SMELTERS..... Lead Smelter Sites
US MINES..... Mines Master Index File
ABANDONED MINES..... Abandoned Mines
DOCKET HWC..... Hazardous Waste Compliance Docket Listing
UXO..... Unexploded Ordnance Sites
FUELS PROGRAM..... EPA Fuels Program Registered Listing
MI COAL ASH..... Coal Ash Disposal Sites
MI DRYCLEANERS..... Drycleaning Establishments
MI LEAD..... Lead Safe Housing Registry
MI UIC..... Underground Injection Wells Database

EDR HIGH RISK HISTORICAL RECORDS

EDR Exclusive Records

EDR MGP..... EDR Proprietary Manufactured Gas Plants
EDR Hist Cleaner..... EDR Exclusive Historic Dry Cleaners

EDR RECOVERED GOVERNMENT ARCHIVES

Exclusive Recovered Govt. Archives

MI RGA LF..... Recovered Government Archive Solid Waste Facilities List

EXECUTIVE SUMMARY

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

Federal CERCLIS list

SEMS: SEMS (Superfund Enterprise Management System) tracks hazardous waste sites, potentially hazardous waste sites, and remedial activities performed in support of EPA's Superfund Program across the United States. The list was formerly 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.

A review of the SEMS list, as provided by EDR, and dated 02/07/2017 has revealed that there are 4 SEMS 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>
EDW LEVY SITE	83 KING RD	0 - 1/8 (0.000 mi.)	B44	106
<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
<i>JEFFERSON AVE. CAUST</i>	<i>SE CORNER OF JEFFERS</i>	<i>N 1/4 - 1/2 (0.370 mi.)</i>	<i>K83</i>	<i>180</i>
MONQUAQON CREEK	JEFFERSON AW BRIDGE	NNE 1/4 - 1/2 (0.413 mi.)	L85	184
<i>FEDERAL MARINE TERM</i>	<i>18099 W JEFFERSON</i>	<i>NNE 1/4 - 1/2 (0.480 mi.)</i>	<i>M89</i>	<i>203</i>

Federal CERCLIS NFRAP site list

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 02/07/2017 has revealed that there

EXECUTIVE SUMMARY

are 2 SEMS-ARCHIVE 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>
DETROIT EDISON COMPA	502 QUARRY ROAD	NW 1/8 - 1/4 (0.156 mi.)	70	142
GENERAL ELECTRIC DET	18075 KRAUSE AVENUE	N 1/4 - 1/2 (0.446 mi.)	87	187

Federal RCRA CORRACTS facilities list

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 12/12/2016 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>
GENERAL ELECTRIC DET	18075 KRAUSE AVENUE	N 1/4 - 1/2 (0.446 mi.)	87	187
<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
EDWARD C LEVY CO	1601 W JEFFERSON AVE	SSW 0 - 1/8 (0.072 mi.)	G66	131

Federal RCRA non-CORRACTS TSD facilities list

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 12/12/2016 has revealed that there are 2 RCRA-TSDF 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>
GENERAL ELECTRIC DET	18075 KRAUSE AVENUE	N 1/4 - 1/2 (0.446 mi.)	87	187
<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
EDWARD C LEVY CO	1601 W JEFFERSON AVE	SSW 0 - 1/8 (0.072 mi.)	G66	131

Federal RCRA generators list

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

EXECUTIVE SUMMARY

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 12/12/2016 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>
ASH-STEVENS, INC	18655 KRAUSE ST.	N 1/8 - 1/4 (0.241 mi.)	I74	151

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

A review of the RCRA-CESQG list, as provided by EDR, and dated 12/12/2016 has revealed that there are 4 RCRA-CESQG 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>
EDWARD C LEVY CO	55 KING RD	0 - 1/8 (0.000 mi.)	B41	102
D&K MANAGING CONSULT	230 W JEFFERSON AVE	N 0 - 1/8 (0.047 mi.)	D57	120
MICHIGAN FOUNDATION	110 W JEFFERSON	N 0 - 1/8 (0.050 mi.)	E61	123
DETROIT EDISON COMPA	502 QUARRY ROAD	NW 1/8 - 1/4 (0.156 mi.)	70	142

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

GA 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 Natural Resources' Operating Solid Waste Facilities' list.

A review of the GA SWF/LF list, as provided by EDR, and dated 12/22/2016 has revealed that there is 1 GA 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>
INDUSTRIAL WASTE MAN Permit Number: PBR-160-08COL	18600 KRAUSE	N 1/4 - 1/2 (0.279 mi.)	I78	174

State and tribal leaking storage tank lists

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 01/05/2017 has revealed that there are 7 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>
MICH FOUNDATION CO /	110 W JEFFERSON AVE	N 0 - 1/8 (0.050 mi.)	E62	125

EXECUTIVE SUMMARY

Release Status: Closed
 Substance Release: Gasoline
 Facility Id: 00000831

PANCHO'S MEXICAN RES Release Status: Closed Substance Release: Gasoline Facility Id: 00041140	3848-3902 BIDDLE ST	N 1/8 - 1/4 (0.238 mi.)	72	146
CITY OF RIVERVIEW DE Release Status: Closed Substance Release: Used Oil Substance Release: Gasoline Facility Id: 00004183	18550 KRAUSE ST	N 1/4 - 1/2 (0.322 mi.)	80	175
CENTURY CEMENT CO IN Release Status: Closed Substance Release: Unknown Substance Release: Gasoline Facility Id: 00019000	12600 SIBLEY RD	NNW 1/4 - 1/2 (0.380 mi.)	84	182
RIVERSIDE OSTEOPATHI Release Status: Closed Substance Release: Diesel Facility Id: 00034739	150 TRUAX ST	SSW 1/4 - 1/2 (0.486 mi.)	90	207
BMI INC Release Status: Closed Substance Release: Gasoline,Diesel Facility Id: 00018998	18035 KRAUSE ST	N 1/4 - 1/2 (0.492 mi.)	91	211
DETROIT APARATUS Release Status: Closed Substance Release: Gasoline Facility Id: 00004186	11861 LONGSDORF ST	N 1/4 - 1/2 (0.497 mi.)	92	213

State and tribal registered storage tank lists

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 2 MI UST 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>
MICH FOUNDATION CO / Database: UST, Date of Government Version: 10/21/2016 Tank Status: Removed from Ground Facility Type: CLOSED Facility Id: 00000831	110 W JEFFERSON AVE	N 0 - 1/8 (0.050 mi.)	E62	125
PANCHO'S MEXICAN RES Database: UST, Date of Government Version: 10/21/2016 Tank Status: Removed from Ground Facility Type: CLOSED	3848-3902 BIDDLE ST	N 1/8 - 1/4 (0.238 mi.)	72	146

EXECUTIVE SUMMARY

Facility Id: 00041140

MI AST: The Aboveground Storage Tank database contains registered ASTs. The data come from the Department of Natural Resources' Michigan AST database.

A review of the MI AST list, as provided by EDR, and dated 11/02/2016 has revealed that there is 1 MI AST 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>
MICHIGAN FOUNDATION Facility Id: 91082065 List Status: CLOSED Removed/Closed Date: 09/08/2010 Tank Status: Removed from Premises	110 W JEFFERSON AVE	N 0 - 1/8 (0.050 mi.)	E64	128

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 02/28/2017 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>
GENERAL ELECTRIC DET	18075 KRAUSE AVENUE	N 1/4 - 1/2 (0.446 mi.)	87	187
<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
MCLOUTH STEEL TRENTO BASF CORP	1650 WEST JEFFERSON 18099 WEST JEFFERSON	SSW 1/8 - 1/4 (0.134 mi.) NNE 1/4 - 1/2 (0.443 mi.)	H69 L86	141 185

State and tribal Brownfields 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>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
TRENTON RIVERSIDE SI Database: BROWNFIELDS, Date of Government Version: 01/15/2016 Ernie Id Number: 82001674	1737-1769 W. JEFFERS	SSW 1/8 - 1/4 (0.159 mi.)	H71	145

EXECUTIVE SUMMARY

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 03/02/2017 has revealed that there are 4 US BROWNFIELDS 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>
TRENTON RIVERFRONT 18601 KRAUSE STREET	WEST JEFFERSON AVENUE 18601 KRAUSE STREET	N 0 - 1/8 (0.007 mi.) N 1/4 - 1/2 (0.269 mi.)	49 J77	113 164
<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
DTE ENERGY SITE TRENTON 1601 AND 162	WEST JEFFERSON AVE A 1601/1621 WEST JEFFE	0 - 1/8 (0.000 mi.) SSW 0 - 1/8 (0.072 mi.)	C45 G65	107 128

Local Lists of Landfill / Solid Waste Disposal Sites

MI SWRCY: A listing of recycling center locations.

A review of the MI SWRCY list, as provided by EDR, and dated 11/28/2016 has revealed that there is 1 MI SWRCY site within approximately 0.5 miles of the target property.

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
FRITZ ENTERPRISES, I	1650 WEST JEFFERSON	SSW 1/8 - 1/4 (0.134 mi.)	H68	140

Local Lists of Hazardous waste / Contaminated Sites

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 are 6 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>
GENERAL ELECTRIC DET Facility Status: Inactive - no actions taken to address contamination Facility ID: 82000174	18075 KRAUSE AVENUE	N 1/4 - 1/2 (0.446 mi.)	87	187
VALLEY-VULCAN MOLD C	1251 FORT ST	WSW 1/2 - 1 (0.603 mi.)	93	214

EXECUTIVE SUMMARY

Facility Status: Interim Response in progress

Facility ID: 82000056

Facility ID: 82001631

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
TRENTON RIVERSIDE SI Facility Status: Interim Response conducted - No further activities anticipated Facility ID: 82001674	1737-1769 W. JEFFERS	SSW 1/8 - 1/4 (0.159 mi.)	H71	145
MONGUAGON CREEK Facility Status: Interim Response conducted - No further activities anticipated Facility ID: 82000216	JCT. JEFFERSON/GROSS	NNE 1/4 - 1/2 (0.364 mi.)	K81	179
BASF CORP Facility Status: Interim Response in progress Facility ID: 82000016	18099 WEST JEFFERSON	NNE 1/4 - 1/2 (0.443 mi.)	L86	185
FIRESTONE PROPERTY, Facility Status: Inactive - no actions taken to address contamination Facility ID: 82000019	17423 JEFFERSON	NNE 1/2 - 1 (0.629 mi.)	94	219

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 01/24/2017 has revealed that there are 15 MI INVENTORY sites within approximately 0.5 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
1260 W. JEFFERSON Facility ID: 82002116	1260 WEST JEFFERSON	SSW 0 - 1/8 (0.024 mi.)	F54	119
U-STOW-N-LOCK Facility ID: 82002116	1260 W. JEFFERSON AV	SSW 0 - 1/8 (0.024 mi.)	F55	119
1 WEST JEFFERSON, LL	1 AND 110 WEST JEFFE	N 0 - 1/8 (0.050 mi.)	E58	121
MICHIGAN FUELS	1 AND 110 WEST JEFFE	N 0 - 1/8 (0.050 mi.)	E59	122
FUELS TRANSPORTATION	1 AND 110 WEST JEFFE	N 0 - 1/8 (0.050 mi.)	E63	127
ASH STEVENS, INC.	18601 KRAUSE STREET	N 1/4 - 1/2 (0.269 mi.)	J75	163
PROACTIVE LOGISTIC S	2540 PARK AVENUE	NW 1/4 - 1/2 (0.370 mi.)	82	180
CENTURY CEMENT CO IN Facility ID: 00019000	12600 SIBLEY RD	NNW 1/4 - 1/2 (0.380 mi.)	84	182
GENERAL ELECTRIC DET	18075 KRAUSE AVENUE	N 1/4 - 1/2 (0.446 mi.)	87	187

EXECUTIVE SUMMARY

Facility ID: 82000174

**RIVERSIDE OSTEOPATHI
DETROIT APARATUS**

Facility ID: 82002880

Facility ID: 00004186

**150 TRUAX ST
11861 LONGSDORF ST**

**SSW 1/4 - 1/2 (0.486 mi.) 90 207
N 1/4 - 1/2 (0.497 mi.) 92 213**

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
TRENTON RIVERSIDE SI Facility ID: 82001674	1737-1769 W. JEFFERS	SSW 1/8 - 1/4 (0.159 mi.)	H71	145
RIVERVIEW TRENTON RA Facility ID: 82002723	18251 WEST JEFFERSON	N 1/4 - 1/2 (0.307 mi.)	79	175
MONGUAGON CREEK Facility ID: 82000216	JCT. JEFFERSON/GROSS	NNE 1/4 - 1/2 (0.364 mi.)	K81	179
BASF RIVERVIEW (FED.) Facility ID: 82000016	18099 W. JEFFERSON	NNE 1/4 - 1/2 (0.480 mi.)	M88	203

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) 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 12/12/2016 has revealed that there are 6 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>
STRUCTURAL PRESERVAT	280 W JEFFERSON AVE	N 0 - 1/8 (0.021 mi.)	D50	116
PINEFRESH AUTO WASH	200 W JEFFERSON AVE	N 0 - 1/8 (0.022 mi.)	E51	117
MICHIGAN FOUNDATION	110 W JEFFERSON AVE	N 0 - 1/8 (0.050 mi.)	E60	122
ANDYS CUSTOM BODY	18759 KRAUSE ST	N 1/8 - 1/4 (0.241 mi.)	I73	148
<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
EDWARD C LEVY CO	1601 W JEFFERSON AVE	SSW 0 - 1/8 (0.072 mi.)	G66	131
FRITZ ENTERPRISES IN	1650 W JEFFERSON	SSW 1/8 - 1/4 (0.134 mi.)	H67	139

ICIS: 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.

A review of the ICIS list, as provided by EDR, and dated 11/18/2016 has revealed that there is 1 ICIS site within approximately 0.001 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
EDWARD C LEVY CO	55 KING RD	0 - 1/8 (0.000 mi.)	B41	102

EXECUTIVE SUMMARY

US AIRS: 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.

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

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
EDWARD C LEVY CO	55 KING RD	0 - 1/8 (0.000 mi.)	B41	102
Database: US AIRS MINOR, Date of Government Version: 10/12/2016				

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

A review of the FINDS list, as provided by EDR, and dated 04/04/2017 has revealed that there are 3 FINDS sites within approximately 0.001 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
EDW C LEVY CO PLANTS	55 KING RD	0 - 1/8 (0.000 mi.)	B42	105
EDW LEVY SITE	83 KING RD	0 - 1/8 (0.000 mi.)	B43	106
<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
DTE ENERGY SITE	WEST JEFFERSON AVE A	0 - 1/8 (0.000 mi.)	C46	112

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

A review of the ECHO list, as provided by EDR, and dated 03/19/2017 has revealed that there is 1 ECHO site within approximately 0.001 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
EDW C LEVY CO PLANTS	55 KING RD	0 - 1/8 (0.000 mi.)	B42	105

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 08/21/2013 has revealed that there are 3 MI BEA sites within approximately 0.5 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>
U-STOW-N-LOCK	1260 W. JEFFERSON AV	SSW 0 - 1/8 (0.024 mi.)	F53	118
CONTROL MANUFACTURIN	18601 KRAUSE AVE	N 1/4 - 1/2 (0.269 mi.)	J76	163
RIVERSIDE OSTEOPATHI	150 TRUAX ST	SSW 1/4 - 1/2 (0.486 mi.)	90	207

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

A review of the MI WDS list, as provided by EDR, and dated 02/01/2017 has revealed that there is 1 MI WDS site within approximately 0.001 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
EDWARD C LEVY CO	55 KING RD	0 - 1/8 (0.000 mi.)	B47	112
WMD Id: 400620				
Site Id: MID981959067				

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 are 2 EDR Hist Auto sites within approximately 0.125 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
ECKLES AUTOMOTIVE CO	1240 W JEFFERSON AVE	SW 0 - 1/8 (0.024 mi.)	52	118
JIMS GARAGE	344 W JEFFERSON	N 0 - 1/8 (0.025 mi.)	D56	119

EDR RECOVERED GOVERNMENT ARCHIVES

Exclusive Recovered Govt. Archives

MI RGA LUST: 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.

A review of the MI RGA LUST list, as provided by EDR, has revealed that there is 1 MI RGA LUST site

EXECUTIVE SUMMARY

within approximately 0.001 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
ANTEAU PROPERTY Facility ID: 0-035857	34891 W JEFFERSON	0 - 1/8 (0.000 mi.)	C48	113

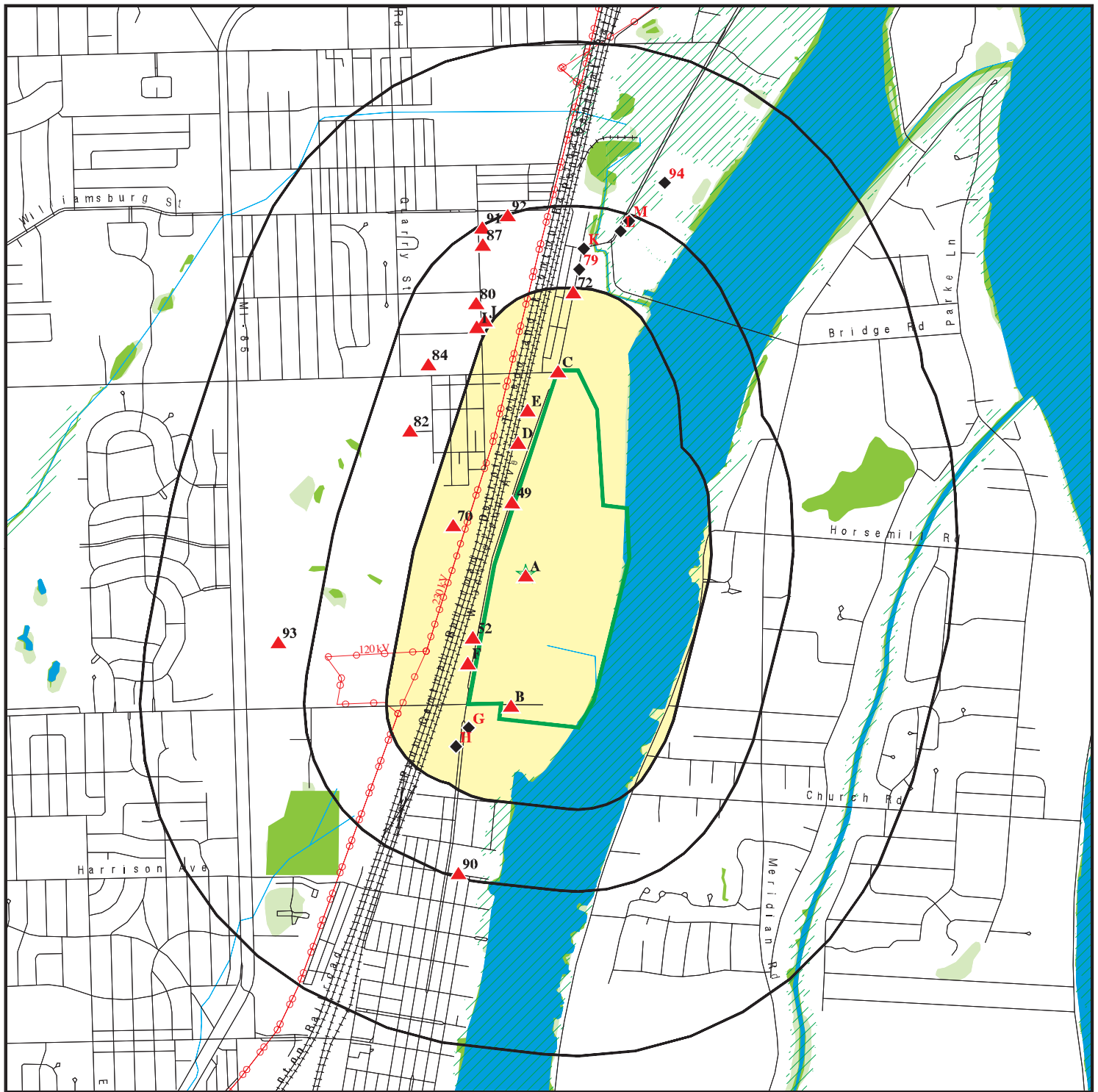
EXECUTIVE SUMMARY

Due to poor or inadequate address information, the following sites were not mapped. Count: 1 records.

Site Name
FERROTECH

Database(s)
SEMS-ARCHIVE

OVERVIEW MAP - 4988613.2S



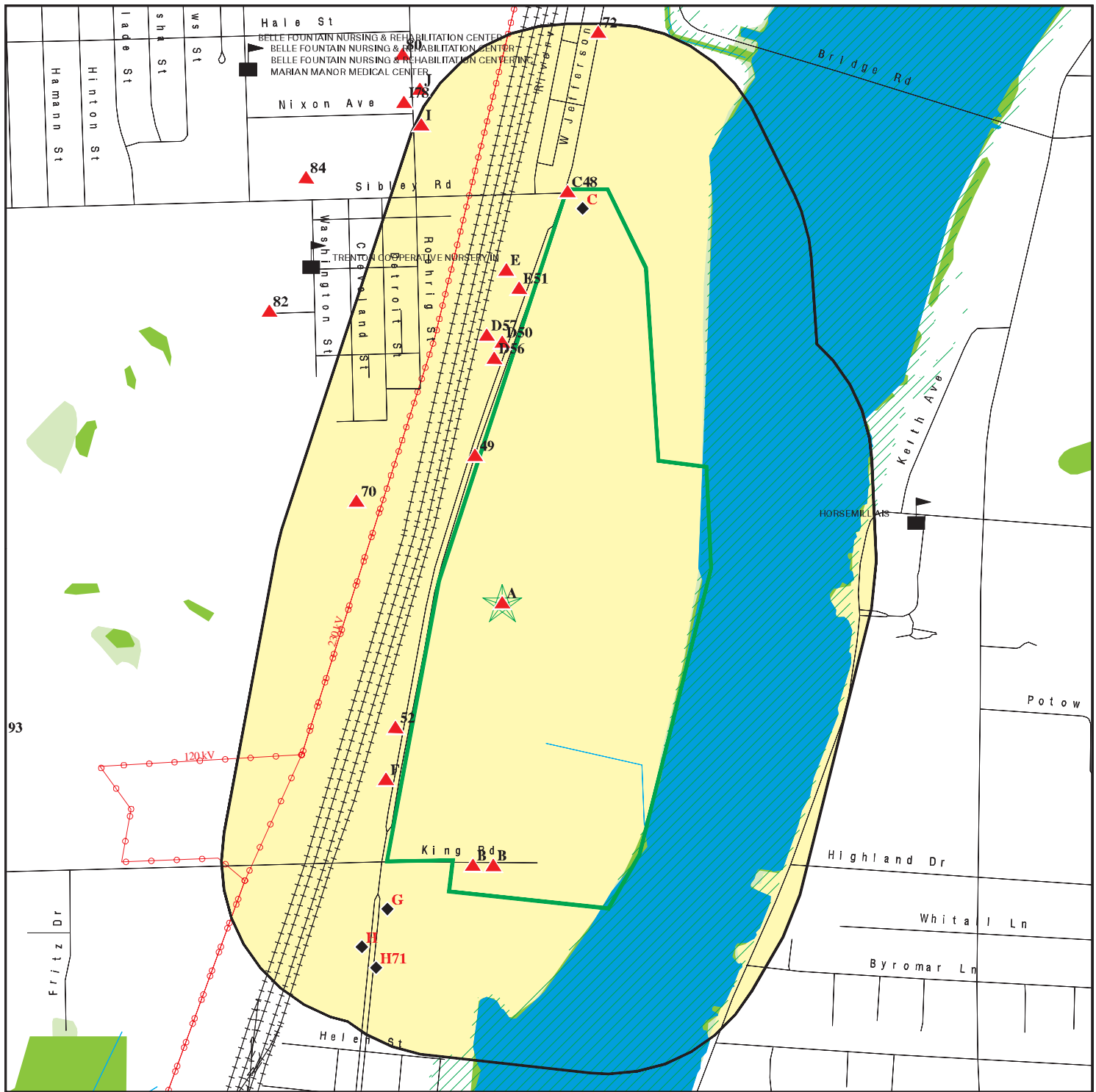
- Target Property
- Sites at elevations higher than or equal to the target property
- Sites at elevations lower than the target property
- Manufactured Gas Plants
- National Priority List Sites
- Dept. Defense Sites
- Indian Reservations BIA
- Power transmission lines
- 100-year flood zone
- 500-year flood zone
- National Wetland Inventory
- State Wetlands
- Upgradient Area

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

SITE NAME: Former Mcclouth Steel Facility
 ADDRESS: 1491 West Jefferson Avenue
 Trenton MI 48183
 LAT/LONG: 42.161789 / 83.171536

CLIENT: ECT
 CONTACT: Ryan Higuchi
 INQUIRY #: 4988613.2s
 DATE: July 10, 2017 6:39 pm

DETAIL MAP - 4988613.2S



- Legend:**

 - 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
 - 100-year flood zone
 - 500-year flood zone
 - National Wetland Inventory
 - State Wetlands

Scale: 0 to 1/8

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: Former Mclouth Steel Facility
ADDRESS: 1491 West Jefferson Avenue
Trenton MI 48183
LAT/LONG: 42.161789 / 83.171536

CLIENT: ECT
CONTACT: Ryan Higuchi
INQUIRY #: 4988613.2s
DATE: July 10, 2017 6:58 pm

MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
STANDARD ENVIRONMENTAL RECORDS								
<i>Federal NPL site list</i>								
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
<i>Federal Delisted NPL site list</i>								
Delisted NPL	1.000		0	0	0	0	NR	0
<i>Federal CERCLIS list</i>								
FEDERAL FACILITY	0.500		0	0	0	NR	NR	0
SEMS	0.500	3	1	0	3	NR	NR	7
<i>Federal CERCLIS NFRAP site list</i>								
SEMS-ARCHIVE	0.500		0	1	1	NR	NR	2
<i>Federal RCRA CORRACTS facilities list</i>								
CORRACTS	1.000	1	1	0	1	0	NR	3
<i>Federal RCRA non-CORRACTS TSD facilities list</i>								
RCRA-TSDF	0.500		1	0	1	NR	NR	2
<i>Federal RCRA generators list</i>								
RCRA-LQG	0.250		0	1	NR	NR	NR	1
RCRA-SQG	0.250		0	0	NR	NR	NR	0
RCRA-CESQG	0.250		3	1	NR	NR	NR	4
<i>Federal institutional controls / engineering controls registries</i>								
LUCIS	0.500		0	0	0	NR	NR	0
US ENG CONTROLS	0.500		0	0	0	NR	NR	0
US INST CONTROL	0.500		0	0	0	NR	NR	0
<i>Federal ERNS list</i>								
ERNS	0.001	12	0	NR	NR	NR	NR	12
<i>State- and tribal - equivalent CERCLIS</i>								
MI SHWS	1.000		0	0	0	0	NR	0
<i>State and tribal landfill and/or solid waste disposal site lists</i>								
MI SWF/LF	0.500		0	0	0	NR	NR	0
GA SWF/LF	0.500		0	0	1	NR	NR	1
<i>State and tribal leaking storage tank lists</i>								
MI LUST	0.500	1	1	1	5	NR	NR	8
INDIAN LUST	0.500		0	0	0	NR	NR	0
<i>State and tribal registered storage tank lists</i>								
FEMA UST	0.250		0	0	NR	NR	NR	0

MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
MI UST	0.250	1	1	1	NR	NR	NR	3
MI AST	0.250		1	0	NR	NR	NR	1
INDIAN UST	0.250		0	0	NR	NR	NR	0
State and tribal institutional control / engineering control registries								
MI AUL	0.500	1	0	1	2	NR	NR	4
State and tribal voluntary cleanup sites								
INDIAN VCP	0.500		0	0	0	NR	NR	0
State and tribal Brownfields sites								
MI BROWNFIELDS	0.500	1	0	1	0	NR	NR	2
ADDITIONAL ENVIRONMENTAL RECORDS								
Local Brownfield lists								
US BROWNFIELDS	0.500		3	0	1	NR	NR	4
Local Lists of Landfill / Solid Waste Disposal Sites								
MI HIST LF	0.500		0	0	0	NR	NR	0
MI SWRCY	0.500		0	1	0	NR	NR	1
INDIAN ODI	0.500		0	0	0	NR	NR	0
DEBRIS REGION 9	0.500		0	0	0	NR	NR	0
ODI	0.500		0	0	0	NR	NR	0
IHS OPEN DUMPS	0.500		0	0	0	NR	NR	0
Local Lists of Hazardous waste / Contaminated Sites								
US HIST CDL	0.001		0	NR	NR	NR	NR	0
MI PART 201	1.000	1	0	1	3	2	NR	7
MI INVENTORY	0.500	6	5	1	9	NR	NR	21
MI CDL	0.001		0	NR	NR	NR	NR	0
MI DEL PART 201	1.000		0	0	0	0	NR	0
US CDL	0.001		0	NR	NR	NR	NR	0
Local Land Records								
MI LIENS	0.001		0	NR	NR	NR	NR	0
LIENS 2	0.001		0	NR	NR	NR	NR	0
Records of Emergency Release Reports								
HMIRS	0.001		0	NR	NR	NR	NR	0
MI SPILLS	0.001	4	0	NR	NR	NR	NR	4
Other Ascertainable Records								
RCRA NonGen / NLR	0.250	2	4	2	NR	NR	NR	8
FUDS	1.000		0	0	0	0	NR	0
DOD	1.000		0	0	0	0	NR	0
SCRD DRYCLEANERS	0.500		0	0	0	NR	NR	0

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
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	1	0	0	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	2	0	NR	NR	NR	NR	2
PADS	0.001	1	0	NR	NR	NR	NR	1
ICIS	0.001	4	1	NR	NR	NR	NR	5
FTTS	0.001	2	0	NR	NR	NR	NR	2
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	2	0	NR	NR	NR	NR	2
RADINFO	0.001		0	NR	NR	NR	NR	0
HIST FTTS	0.001	2	0	NR	NR	NR	NR	2
DOT OPS	0.001		0	NR	NR	NR	NR	0
CONSENT	1.000		0	0	0	0	NR	0
INDIAN RESERV	0.001		0	NR	NR	NR	NR	0
FUSRAP	1.000		0	0	0	0	NR	0
UMTRA	0.500		0	0	0	NR	NR	0
LEAD SMELTERS	0.001		0	NR	NR	NR	NR	0
US AIRS	0.001	1	1	NR	NR	NR	NR	2
US MINES	0.250		0	0	NR	NR	NR	0
ABANDONED MINES	0.001		0	NR	NR	NR	NR	0
FINDS	0.001	5	3	NR	NR	NR	NR	8
ECHO	0.001	3	1	NR	NR	NR	NR	4
DOCKET HWC	0.001		0	NR	NR	NR	NR	0
UXO	1.000		0	0	0	0	NR	0
FUELS PROGRAM	0.250		0	0	NR	NR	NR	0
MI AIRS	0.001	1	0	NR	NR	NR	NR	1
MI BEA	0.500	2	1	0	2	NR	NR	5
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	0.001		0	NR	NR	NR	NR	0
NY MANIFEST	0.250		0	0	NR	NR	NR	0
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	1	NR	NR	NR	NR	2

EDR HIGH RISK HISTORICAL RECORDS

EDR Exclusive Records

EDR MGP	1.000		0	0	0	0	NR	0
EDR Hist Auto	0.125		2	NR	NR	NR	NR	2
EDR Hist Cleaner	0.125		0	NR	NR	NR	NR	0

MAP FINDINGS SUMMARY

<u>Database</u>	<u>Search Distance (Miles)</u>	<u>Target Property</u>	<u>< 1/8</u>	<u>1/8 - 1/4</u>	<u>1/4 - 1/2</u>	<u>1/2 - 1</u>	<u>> 1</u>	<u>Total Plotted</u>
<u>EDR RECOVERED GOVERNMENT ARCHIVES</u>								
<i>Exclusive Recovered Govt. Archives</i>								
MI RGA PART 201	0.001	1	0	NR	NR	NR	NR	1
MI RGA LF	0.001		0	NR	NR	NR	NR	0
MI RGA LUST	0.001	4	1	NR	NR	NR	NR	5
- Totals --		66	32	12	29	2	0	141

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 **RIVERVIEW TRENTON RAILROAD SITE**
Target **1491 JEFFERSON AVE**
Property **RIVERVIEW, MI 48138**

SEMS **1012209910**
PRP **MIN000510380**

Site 1 of 40 in cluster A

Actual:
584 ft.

SEMS:
Site ID: 510380
EPA ID: MIN000510380
Federal Facility: N
NPL: Not on the NPL
Non NPL Status: PA Start Needed

Following information was gathered from the prior CERCLIS update completed in 10/2013:

Site ID: 0510380
EPA ID: MIN000510380
Facility County: WAYNE
Short Name: RIVERVIEW TRENTON RAILROA
Congressional District: 14
IFMS ID: B5SX
SMSA Number: Not reported
USGC Hydro Unit: Not reported
Federal Facility: Not a Federal Facility
DMNSN Number: 0.00000
Site Orphan Flag: Not reported
RCRA ID: Not reported
USGS Quadrangle: Not reported
Site Init By Prog: S
NFRAP Flag: Not reported
Parent ID: Not reported
RST Code: Not reported
EPA Region: 05
Classification: Not reported
Site Settings Code: Not reported
NPL Status: Not on the NPL
DMNSN Unit Code: Not reported
RBRAC Code: Not reported
RResp Fed Agency Code: Not reported
Non NPL Status: PA Start Needed
Non NPL Status Date: 07/15/09
Site Fips Code: 26163
CC Concurrence Date: / /
CC Concurrence FY: Not reported
Alias EPA ID: Not reported
Site FUDS Flag: Not reported

CERCLIS Site Contact Name(s):

Contact ID: 5272313.00000
Contact Name: BRIAN KELLY
Contact Tel: (734) 692-7684
Contact Title: On-Scene Coordinator (OSC)
Contact Email: Not reported

CERCLIS Site Alias Name(s):

Alias ID: 101
Alias Name: RIVERVIEW TRENTON RAILRAOD CO.
Alias Address: Not reported
Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

RIVERVIEW TRENTON RAILROAD SITE (Continued)

1012209910

Alias ID: 101
Alias Comments: Not reported
Site Description: TRRR (aka McLough Steel) is the northern part of the former steel manufacturing facility located along the Detroit River. This part of the facility is owned by Crown Enterprises, Inc. On 7-15-09, Michigan DEQ notified U.S. EPA of a high pH leachate (pH 12) coming from the property. EPA has notified the property owner they are responsible.

CERCLIS Assessment History:

Action Code: 001
Action: DISCOVERY
Date Started: / /
Date Completed: 07/15/09
Priority Level: Not reported
Operable Unit: SITEWIDE
Primary Responsibility: EPA Fund-Financed
Planning Status: Not reported
Urgency Indicator: Not reported
Action Anomaly: Not reported

Action Code: 001
Action: Notice Letters Issued
Date Started: / /
Date Completed: 08/05/09
Priority Level: Not reported
Operable Unit: SITEWIDE
Primary Responsibility: Federal Enforcement
Planning Status: Not reported
Urgency Indicator: Not reported
Action Anomaly: Not reported

Action Code: 001
Action: UNILATERAL ADMIN ORDER
Date Started: / /
Date Completed: 06/17/10
Priority Level: Not reported
Operable Unit: SITEWIDE
Primary Responsibility: Federal Enforcement
Planning Status: Not reported
Urgency Indicator: Not reported
Action Anomaly: Not reported

Action Code: 001
Action: NON-NATIONAL PRIORITIES LIST POTENTIALLY RESPONSIBLE PARTY SEARCH
Date Started: 07/15/09
Date Completed: 04/24/11
Priority Level: Not reported
Operable Unit: SITEWIDE
Primary Responsibility: Federal Enforcement
Planning Status: Not reported
Urgency Indicator: Not reported
Action Anomaly: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

RIVERVIEW TRENTON RAILROAD SITE (Continued)

1012209910

Action Code: 001
Action: POTENTIALLY RESPONSIBLE PARTY EMERGENCY REMOVAL
Date Started: 07/15/09
Date Completed: 04/24/11
Priority Level: Cleaned up
Operable Unit: SITEWIDE
Primary Responsibility: Responsible Party
Planning Status: Not reported
Urgency Indicator: Emergency
Action Anomaly: Not reported

Action Code: 001
Action: REMOVAL
Date Started: 04/25/11
Date Completed: 10/14/11
Priority Level: Stabilized
Operable Unit: SITEWIDE
Primary Responsibility: EPA Fund-Financed
Planning Status: Approved
Urgency Indicator: Time Critical
Action Anomaly: Not reported

PRP:

PRP name: PATRICK A. MORAN
RIVERVIEW TRENTON RAILROAD COMPANY

**A2
Target
Property**

**MI DEPT/NATURAL RESOURCES AND ENVIRONMENT
1491 W JEFFERSON AVE
TRENTON, MI 48183**

RCRA NonGen / NLR

**1012180150
MIK226366870**

Site 2 of 40 in cluster A

**Actual:
584 ft.**

RCRA NonGen / NLR:
Date form received by agency: 06/24/2009
Facility name: MI DEPT/NATURAL RESOURCES AND ENVIRONMENT
Facility address: 1491 W JEFFERSON AVE
TRENTON, MI 48183
EPA ID: MIK226366870
Mailing address: 9311 GROH RD
GROSSE ILE, MI 48138
Contact: BRIAN KELLY
Contact address: 1491 W JEFFERSON AVE
TRENTON, MI 48183
Contact country: US
Contact telephone: (734) 692-7684
Contact email: Not reported
EPA Region: 05
Classification: Non-Generator
Description: Handler: Non-Generators do not presently generate hazardous waste

Owner/Operator Summary:

Owner/operator name: DETROIT STEEL COMPANY
Owner/operator address: Not reported
Not reported
Owner/operator country: Not reported
Owner/operator telephone: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

MI DEPT/NATURAL RESOURCES AND ENVIRONMENT (Continued)

1012180150

Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: 06/24/2009
Owner/Op end date: Not reported

Owner/operator name: MICHAEL WILKINSON
Owner/operator address: Not reported
Not reported
Owner/operator country: Not reported
Owner/operator telephone: Not reported
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: 06/24/2009
Owner/Op end date: Not reported

Owner/operator name: MICHAEL WILKINSON
Owner/operator address: Not reported
Not reported
Owner/operator country: Not reported
Owner/operator telephone: Not reported
Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: 06/24/2009
Owner/Op end date: Not reported

Owner/operator name: DETROIT STEEL COMPANY
Owner/operator address: Not reported
Not reported
Owner/operator country: Not reported
Owner/operator telephone: Not reported
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: 06/24/2009
Owner/Op end date: Not reported

Handler Activities Summary:

U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
Used oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

. Waste code: D001
. Waste name: IGNITABLE WASTE

Violation Status: No violations found

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

A3
Target
Property
STEEL ROLLING HOLDINGS
1491 W. JEFFERSON AVE.
TRENTON, MI 40193

FINDS **1014731282**
N/A

Site 3 of 40 in cluster A

Actual:
584 ft.

FINDS:

Registry ID: 110042354957

Environmental Interest/Information System

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 it 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.

A4
Target
Property
DETROIT STEEL CO TRENTON
1491 WEST JEFFERSON AVENUE
TRENTON, MI 48183

ICIS **1016088602**
FINDS **N/A**
ECHO

Site 4 of 40 in cluster A

Actual:
584 ft.

ICIS:

Enforcement Action ID: 05-1999-0517
FRS ID: 110000406285
Action Name: DSC LTD
Facility Name: DSC LIMITED TRENTON PLANT
Facility Address: 1491 W. JEFFERSON AVE.
TRENTON, MI 48183
Enforcement Action Type: RCRA 7003 AO For Imminent Hazard
Facility County: WAYNE
Program System Acronym: ICIS
Enforcement Action Forum Desc: Administrative - Formal
EA Type Code: 7003
Facility SIC Code: Not reported
Federal Facility ID: Not reported
Latitude in Decimal Degrees: 42.156149
Longitude in Decimal Degrees: -83.174995
Permit Type Desc: Not reported
Program System Acronym: 6742
Facility NAICS Code: Not reported
Tribal Land Code: Not reported

Enforcement Action ID: 05-1996-0462
FRS ID: 110000406285
Action Name: MCLOUTH STEEL PRODUCTS CORP.

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

DETROIT STEEL CO TRENTON (Continued)

1016088602

Facility Name: DSC LIMITED TRENTON PLANT
Facility Address: 1491 W. JEFFERSON AVE.
TRENTON, MI 48183
Enforcement Action Type: TSCA 16 Action For Penalty
Facility County: WAYNE
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: 42.156149
Longitude in Decimal Degrees: -83.174995
Permit Type Desc: Not reported
Program System Acronym: 6742
Facility NAICS Code: Not reported
Tribal Land Code: Not reported

Enforcement Action ID: 05-1996-0199
FRS ID: 110000406285
Action Name: MCLOUTH STEEL PRODUCTS CORPORATION
Facility Name: DSC LIMITED TRENTON PLANT
Facility Address: 1491 W. JEFFERSON AVE.
TRENTON, MI 48183
Enforcement Action Type: Bankruptcy
Facility County: WAYNE
Program System Acronym: ICIS
Enforcement Action Forum Desc: Judicial
EA Type Code: BNK
Facility SIC Code: Not reported
Federal Facility ID: Not reported
Latitude in Decimal Degrees: 42.156149
Longitude in Decimal Degrees: -83.174995
Permit Type Desc: Not reported
Program System Acronym: 6742
Facility NAICS Code: Not reported
Tribal Land Code: Not reported

Enforcement Action ID: 05-1995-0337
FRS ID: 110000406285
Action Name: MCLOUTH STEEL
Facility Name: DSC LIMITED TRENTON PLANT
Facility Address: 1491 W. JEFFERSON AVE.
TRENTON, MI 48183
Enforcement Action Type: CAA 113 Notice Of Violation
Facility County: WAYNE
Program System Acronym: ICIS
Enforcement Action Forum Desc: Administrative - Formal
EA Type Code: 113
Facility SIC Code: Not reported
Federal Facility ID: Not reported
Latitude in Decimal Degrees: 42.156149
Longitude in Decimal Degrees: -83.174995
Permit Type Desc: Not reported
Program System Acronym: 6742
Facility NAICS Code: Not reported
Tribal Land Code: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

DETROIT STEEL CO TRENTON (Continued)

1016088602

Facility Name: DETROIT STEEL CO
Address: 1491 WEST JEFFERSON AVENUE
Tribal Indicator: N
Fed Facility: No
NAIC Code: Not reported
SIC Code: Not reported

Facility Name: DETROIT STEEL CO
Address: 1491 WEST JEFFERSON AVENUE
Tribal Indicator: N
Fed Facility: No
NAIC Code: Not reported
SIC Code: Not reported

Facility Name: DETROIT STEEL CO
Address: 1491 WEST JEFFERSON AVENUE
Tribal Indicator: N
Fed Facility: No
NAIC Code: Not reported
SIC Code: Not reported

Facility Name: DETROIT STEEL CO
Address: 1491 WEST JEFFERSON AVENUE
Tribal Indicator: N
Fed Facility: No
NAIC Code: Not reported
SIC Code: Not reported

Facility Name: DETROIT STEEL CO
Address: 1491 WEST JEFFERSON AVENUE
Tribal Indicator: N
Fed Facility: No
NAIC Code: Not reported
SIC Code: Not reported

Facility Name: DETROIT STEEL CO
Address: 1491 WEST JEFFERSON AVENUE
Tribal Indicator: N
Fed Facility: No
NAIC Code: Not reported
SIC Code: Not reported

Facility Name: DETROIT STEEL CO
Address: 1491 WEST JEFFERSON AVENUE
Tribal Indicator: N
Fed Facility: No
NAIC Code: Not reported
SIC Code: Not reported

Facility Name: DETROIT STEEL CO
Address: 1491 WEST JEFFERSON AVENUE
Tribal Indicator: N
Fed Facility: No
NAIC Code: Not reported
SIC Code: Not reported

Facility Name: DETROIT STEEL CO

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

DETROIT STEEL CO TRENTON (Continued)

1016088602

Address: 1491 WEST JEFFERSON AVENUE
Tribal Indicator: N
Fed Facility: No
NAIC Code: Not reported
SIC Code: Not reported

Facility Name: DETROIT STEEL CO
Address: 1491 WEST JEFFERSON AVENUE
Tribal Indicator: N
Fed Facility: No
NAIC Code: Not reported
SIC Code: Not reported

Facility Name: DETROIT STEEL CO
Address: 1491 WEST JEFFERSON AVENUE
Tribal Indicator: N
Fed Facility: No
NAIC Code: Not reported
SIC Code: Not reported

Facility Name: DETROIT STEEL CO
Address: 1491 WEST JEFFERSON AVENUE
Tribal Indicator: N
Fed Facility: No
NAIC Code: Not reported
SIC Code: Not reported

Facility Name: DETROIT STEEL CO
Address: 1491 WEST JEFFERSON AVENUE
Tribal Indicator: N
Fed Facility: No
NAIC Code: Not reported
SIC Code: Not reported

Facility Name: DETROIT STEEL CO
Address: 1491 WEST JEFFERSON AVENUE
Tribal Indicator: N
Fed Facility: No
NAIC Code: Not reported
SIC Code: Not reported

Facility Name: DETROIT STEEL CO
Address: 1491 WEST JEFFERSON AVENUE
Tribal Indicator: N
Fed Facility: No
NAIC Code: Not reported
SIC Code: Not reported

Facility Name: DETROIT STEEL CO
Address: 1491 WEST JEFFERSON AVENUE
Tribal Indicator: N
Fed Facility: No
NAIC Code: Not reported
SIC Code: Not reported

Facility Name: DETROIT STEEL CO
Address: 1491 WEST JEFFERSON AVENUE

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

DETROIT STEEL CO TRENTON (Continued)

1016088602

Tribal Indicator:	N
Fed Facility:	No
NAIC Code:	Not reported
SIC Code:	Not reported
Facility Name:	DETROIT STEEL CO
Address:	1491 WEST JEFFERSON AVENUE
Tribal Indicator:	N
Fed Facility:	No
NAIC Code:	Not reported
SIC Code:	Not reported
Facility Name:	DETROIT STEEL CO
Address:	1491 WEST JEFFERSON AVENUE
Tribal Indicator:	N
Fed Facility:	No
NAIC Code:	Not reported
SIC Code:	Not reported
Facility Name:	DETROIT STEEL CO
Address:	1491 WEST JEFFERSON AVENUE
Tribal Indicator:	N
Fed Facility:	No
NAIC Code:	Not reported
SIC Code:	Not reported
Facility Name:	DETROIT STEEL CO
Address:	1491 WEST JEFFERSON AVENUE
Tribal Indicator:	N
Fed Facility:	No
NAIC Code:	Not reported
SIC Code:	Not reported
Facility Name:	DETROIT STEEL CO
Address:	1491 WEST JEFFERSON AVENUE
Tribal Indicator:	N
Fed Facility:	No
NAIC Code:	Not reported
SIC Code:	Not reported
Facility Name:	DETROIT STEEL CO
Address:	1491 WEST JEFFERSON AVENUE
Tribal Indicator:	N
Fed Facility:	No
NAIC Code:	Not reported
SIC Code:	Not reported
Facility Name:	DETROIT STEEL CO
Address:	1491 WEST JEFFERSON AVENUE
Tribal Indicator:	N
Fed Facility:	No
NAIC Code:	Not reported
SIC Code:	Not reported
Facility Name:	DETROIT STEEL CO
Address:	1491 WEST JEFFERSON AVENUE
Tribal Indicator:	N
Fed Facility:	No
NAIC Code:	Not reported
SIC Code:	Not reported
Facility Name:	DETROIT STEEL CO
Address:	1491 WEST JEFFERSON AVENUE
Tribal Indicator:	N

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

DETROIT STEEL CO TRENTON (Continued)

1016088602

Fed Facility:	No
NAIC Code:	Not reported
SIC Code:	Not reported
Facility Name:	DETROIT STEEL CO
Address:	1491 WEST JEFFERSON AVENUE
Tribal Indicator:	N
Fed Facility:	No
NAIC Code:	Not reported
SIC Code:	Not reported
Facility Name:	DETROIT STEEL CO
Address:	1491 WEST JEFFERSON AVENUE
Tribal Indicator:	N
Fed Facility:	No
NAIC Code:	Not reported
SIC Code:	Not reported
Facility Name:	DETROIT STEEL CO
Address:	1491 WEST JEFFERSON AVENUE
Tribal Indicator:	N
Fed Facility:	No
NAIC Code:	Not reported
SIC Code:	Not reported
Facility Name:	DETROIT STEEL CO
Address:	1491 WEST JEFFERSON AVENUE
Tribal Indicator:	N
Fed Facility:	No
NAIC Code:	Not reported
SIC Code:	Not reported
Facility Name:	DETROIT STEEL CO
Address:	1491 WEST JEFFERSON AVENUE
Tribal Indicator:	N
Fed Facility:	No
NAIC Code:	Not reported
SIC Code:	Not reported
Facility Name:	DETROIT STEEL CO
Address:	1491 WEST JEFFERSON AVENUE
Tribal Indicator:	N
Fed Facility:	No
NAIC Code:	Not reported
SIC Code:	Not reported
Facility Name:	DETROIT STEEL CO
Address:	1491 WEST JEFFERSON AVENUE
Tribal Indicator:	N
Fed Facility:	No
NAIC Code:	Not reported
SIC Code:	Not reported
Facility Name:	DETROIT STEEL CO
Address:	1491 WEST JEFFERSON AVENUE
Tribal Indicator:	N
Fed Facility:	No

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

DETROIT STEEL CO TRENTON (Continued)

1016088602

NAIC Code:	Not reported
SIC Code:	Not reported
Facility Name:	DETROIT STEEL CO
Address:	1491 WEST JEFFERSON AVENUE
Tribal Indicator:	N
Fed Facility:	No
NAIC Code:	Not reported
SIC Code:	Not reported
Facility Name:	DETROIT STEEL CO
Address:	1491 WEST JEFFERSON AVENUE
Tribal Indicator:	N
Fed Facility:	No
NAIC Code:	Not reported
SIC Code:	Not reported
Facility Name:	DETROIT STEEL CO
Address:	1491 WEST JEFFERSON AVENUE
Tribal Indicator:	N
Fed Facility:	No
NAIC Code:	Not reported
SIC Code:	Not reported
Facility Name:	DETROIT STEEL CO
Address:	1491 WEST JEFFERSON AVENUE
Tribal Indicator:	N
Fed Facility:	No
NAIC Code:	Not reported
SIC Code:	Not reported
Facility Name:	DETROIT STEEL CO
Address:	1491 WEST JEFFERSON AVENUE
Tribal Indicator:	N
Fed Facility:	No
NAIC Code:	Not reported
SIC Code:	Not reported
Facility Name:	DETROIT STEEL CO
Address:	1491 WEST JEFFERSON AVENUE
Tribal Indicator:	N
Fed Facility:	No
NAIC Code:	Not reported
SIC Code:	Not reported
Facility Name:	DETROIT STEEL CO
Address:	1491 WEST JEFFERSON AVENUE
Tribal Indicator:	N
Fed Facility:	No
NAIC Code:	Not reported
SIC Code:	Not reported

FINDS:

Registry ID: 110000406285

Environmental Interest/Information System

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

DETROIT STEEL CO TRENTON (Continued)

1016088602

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.

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.

CRITERIA AIR POLLUTANT MAJOR

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.

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.

SUPERFUND (NON-NPL)

HAZARDOUS WASTE BIENNIAL REPORTER

AIR MAJOR

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 it 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

DETROIT STEEL CO TRENTON (Continued)

1016088602

[Click this hyperlink](#) while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

ECHO:

Envid: 1016088602
Registry ID: 110000406285
DFR URL: <http://echo.epa.gov/detailed-facility-report?fid=110000406285>

A5

**Target
Property**

**1491 W.JEFFERSON
TRENTON, MI**

MI SPILLS

**S105979501
N/A**

Site 5 of 40 in cluster A

**Actual:
584 ft.**

PEAS:

Incident Date: 02/07/2003
Office Status: Not reported
Initials of Incoming Operator: Not reported
Time Received by DNRE Staff: Not reported
Time Occur: Not reported
Date Of PEAS Call: 02/07/2003
Complainant / Company: Christopher W/Detroit Steel Co.
Complainant Address: 1491 W.Jefferson
Company Involved: Dennis Z or Christopher W/Detroit Steel Co.
DEQ Division Involved: Water Division
Incident Description: sump/diverting to Waste Water Treatment Plant located on site, arranged for PVS trucking 2/pump out remaining substance, should arrive w/in the hr. Site located @ Trenton Channel of Det. River, substance will not reach river. Spent Ticle Liquor escaped secondary container via breach in a collection

Description: Not reported
Date Discovered: Not reported
Time Discovered: Not reported
Office/After Hours: Not reported
Party Involved - Phone 1: Not reported
Party Involved - Phone 2: Not reported
Ongoing?: Not reported
Release Secured: Not reported
Source: Not reported
Source decode: Not reported
Lead Division 2: Not reported

A6

**Target
Property**

**DETROIT STEEL CO
1491 WEST JEFFERSON AVENUE
TRENTON, MI 48183**

**ICIS
PCB TRANSFORMER**

**1014624817
N/A**

Site 6 of 40 in cluster A

**Actual:
584 ft.**

ICIS:

Enforcement Action ID: MI-N00000725
FRS ID: 110000406285
Action Name: DSC-TRENTON PLANT (Permit MI0002399) Notice Of Noncompliance
Facility Name: DSC-TRENTON PLANT
Facility Address: 1491 WEST JEFFERSON AVENUE
TRENTON, MI 48183

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

DETROIT STEEL CO (Continued)

1014624817

Enforcement Action Type: State CWA Non Penalty AO
Facility County: WAYNE
Program System Acronym: NPDES
Enforcement Action Forum Desc: Administrative - Formal
EA Type Code: SCWAAO
Facility SIC Code: 3312
Federal Facility ID: Not reported
Latitude in Decimal Degrees: 42.1563
Longitude in Decimal Degrees: -83.1679
Permit Type Desc: NPDES Individual Permit
Program System Acronym: MI0002399
Facility NAICS Code: Not reported
Tribal Land Code: Not reported

Enforcement Action ID: MI-N00000711
FRS ID: 110000406285
Action Name: DSC-TRENTON PLANT (Permit MI0002399) Notice Of Noncompliance
Facility Name: DSC-TRENTON PLANT
Facility Address: 1491 WEST JEFFERSON AVENUE
TRENTON, MI 48183

Enforcement Action Type: State CWA Non Penalty AO
Facility County: WAYNE
Program System Acronym: NPDES
Enforcement Action Forum Desc: Administrative - Formal
EA Type Code: SCWAAO
Facility SIC Code: 3312
Federal Facility ID: Not reported
Latitude in Decimal Degrees: 42.1563
Longitude in Decimal Degrees: -83.1679
Permit Type Desc: NPDES Individual Permit
Program System Acronym: MI0002399
Facility NAICS Code: Not reported
Tribal Land Code: Not reported

Enforcement Action ID: MI-N00000646
FRS ID: 110000406285
Action Name: DSC-TRENTON PLANT (Permit MI0002399) Notice Of Noncompliance
Facility Name: DSC-TRENTON PLANT
Facility Address: 1491 WEST JEFFERSON AVENUE
TRENTON, MI 48183

Enforcement Action Type: State CWA Non Penalty AO
Facility County: WAYNE
Program System Acronym: NPDES
Enforcement Action Forum Desc: Administrative - Formal
EA Type Code: SCWAAO
Facility SIC Code: 3312
Federal Facility ID: Not reported
Latitude in Decimal Degrees: 42.1563
Longitude in Decimal Degrees: -83.1679
Permit Type Desc: NPDES Individual Permit
Program System Acronym: MI0002399
Facility NAICS Code: Not reported
Tribal Land Code: Not reported

Enforcement Action ID: MI-N00000612
FRS ID: 110000406285
Action Name: DSC-TRENTON PLANT (Permit MI0002399) Notice Of Noncompliance

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

DETROIT STEEL CO (Continued)

1014624817

Facility Name: DSC-TRENTON PLANT
Facility Address: 1491 WEST JEFFERSON AVENUE
TRENTON, MI 48183
Enforcement Action Type: State CWA Non Penalty AO
Facility County: WAYNE
Program System Acronym: NPDES
Enforcement Action Forum Desc: Administrative - Formal
EA Type Code: SCWAAO
Facility SIC Code: 3312
Federal Facility ID: Not reported
Latitude in Decimal Degrees: 42.1563
Longitude in Decimal Degrees: -83.1679
Permit Type Desc: NPDES Individual Permit
Program System Acronym: MI0002399
Facility NAICS Code: Not reported
Tribal Land Code: Not reported

Enforcement Action ID: MI-N00000577
FRS ID: 110000406285
Action Name: DSC-TRENTON PLANT (Permit MI0002399) Notice Of Noncompliance
Facility Name: DSC-TRENTON PLANT
Facility Address: 1491 WEST JEFFERSON AVENUE
TRENTON, MI 48183
Enforcement Action Type: State CWA Non Penalty AO
Facility County: WAYNE
Program System Acronym: NPDES
Enforcement Action Forum Desc: Administrative - Formal
EA Type Code: SCWAAO
Facility SIC Code: 3312
Federal Facility ID: Not reported
Latitude in Decimal Degrees: 42.1563
Longitude in Decimal Degrees: -83.1679
Permit Type Desc: NPDES Individual Permit
Program System Acronym: MI0002399
Facility NAICS Code: Not reported
Tribal Land Code: Not reported

Enforcement Action ID: MI-N00000516
FRS ID: 110000406285
Action Name: DSC-TRENTON PLANT (Permit MI0002399) Notice Of Noncompliance
Facility Name: DSC-TRENTON PLANT
Facility Address: 1491 WEST JEFFERSON AVENUE
TRENTON, MI 48183
Enforcement Action Type: State CWA Non Penalty AO
Facility County: WAYNE
Program System Acronym: NPDES
Enforcement Action Forum Desc: Administrative - Formal
EA Type Code: SCWAAO
Facility SIC Code: 3312
Federal Facility ID: Not reported
Latitude in Decimal Degrees: 42.1563
Longitude in Decimal Degrees: -83.1679
Permit Type Desc: NPDES Individual Permit
Program System Acronym: MI0002399
Facility NAICS Code: Not reported
Tribal Land Code: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

DETROIT STEEL CO (Continued)

1014624817

Enforcement Action ID: MI-N00000499
FRS ID: 110000406285
Action Name: DSC-TRENTON PLANT (Permit MI0002399) Notice Of Noncompliance
Facility Name: DSC-TRENTON PLANT
Facility Address: 1491 WEST JEFFERSON AVENUE
TRENTON, MI 48183

Enforcement Action Type: State CWA Non Penalty AO
Facility County: WAYNE
Program System Acronym: NPDES
Enforcement Action Forum Desc: Administrative - Formal
EA Type Code: SCWAAO
Facility SIC Code: 3312
Federal Facility ID: Not reported
Latitude in Decimal Degrees: 42.1563
Longitude in Decimal Degrees: -83.1679
Permit Type Desc: NPDES Individual Permit
Program System Acronym: MI0002399
Facility NAICS Code: Not reported
Tribal Land Code: Not reported

Enforcement Action ID: MI-N00000492
FRS ID: 110000406285
Action Name: DSC-TRENTON PLANT (Permit MI0002399) Notice Of Noncompliance
Facility Name: DSC-TRENTON PLANT
Facility Address: 1491 WEST JEFFERSON AVENUE
TRENTON, MI 48183

Enforcement Action Type: State CWA Non Penalty AO
Facility County: WAYNE
Program System Acronym: NPDES
Enforcement Action Forum Desc: Administrative - Formal
EA Type Code: SCWAAO
Facility SIC Code: 3312
Federal Facility ID: Not reported
Latitude in Decimal Degrees: 42.1563
Longitude in Decimal Degrees: -83.1679
Permit Type Desc: NPDES Individual Permit
Program System Acronym: MI0002399
Facility NAICS Code: Not reported
Tribal Land Code: Not reported

Enforcement Action ID: MI-N00000378
FRS ID: 110000406285
Action Name: DSC-TRENTON PLANT (Permit MI0002399) Notice Of Noncompliance
Facility Name: DSC-TRENTON PLANT
Facility Address: 1491 WEST JEFFERSON AVENUE
TRENTON, MI 48183

Enforcement Action Type: State CWA Non Penalty AO
Facility County: WAYNE
Program System Acronym: NPDES
Enforcement Action Forum Desc: Administrative - Formal
EA Type Code: SCWAAO
Facility SIC Code: 3312
Federal Facility ID: Not reported
Latitude in Decimal Degrees: 42.1563
Longitude in Decimal Degrees: -83.1679
Permit Type Desc: NPDES Individual Permit
Program System Acronym: MI0002399

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

DETROIT STEEL CO (Continued)

1014624817

Facility NAICS Code: Not reported
Tribal Land Code: Not reported

Enforcement Action ID: MI-N00000283
FRS ID: 110000406285
Action Name: DSC-TRENTON PLANT (Permit MI0002399) Consent Decree
Facility Name: DSC-TRENTON PLANT
Facility Address: 1491 WEST JEFFERSON AVENUE
TRENTON, MI 48183

Enforcement Action Type: Civil Judicial Action
Facility County: WAYNE
Program System Acronym: NPDES
Enforcement Action Forum Desc: Judicial
EA Type Code: CIV
Facility SIC Code: 3312
Federal Facility ID: Not reported
Latitude in Decimal Degrees: 42.1563
Longitude in Decimal Degrees: -83.1679
Permit Type Desc: NPDES Individual Permit
Program System Acronym: MI0002399
Facility NAICS Code: Not reported
Tribal Land Code: Not reported

Enforcement Action ID: MI-N00000035
FRS ID: 110000406285
Action Name: DSC-TRENTON PLANT (Permit MI0002399) Consent Decree
Facility Name: DSC-TRENTON PLANT
Facility Address: 1491 WEST JEFFERSON AVENUE
TRENTON, MI 48183

Enforcement Action Type: Civil Judicial Action
Facility County: WAYNE
Program System Acronym: NPDES
Enforcement Action Forum Desc: Judicial
EA Type Code: CIV
Facility SIC Code: 3312
Federal Facility ID: Not reported
Latitude in Decimal Degrees: 42.1563
Longitude in Decimal Degrees: -83.1679
Permit Type Desc: NPDES Individual Permit
Program System Acronym: MI0002399
Facility NAICS Code: Not reported
Tribal Land Code: Not reported

Enforcement Action ID: 05-2008-0936
FRS ID: 110000406285
Action Name: DSC-TRENTON
Facility Name: DETROIT STEEL CO
Facility Address: 1491 WEST JEFFERSON AVENUE
TRENTON, MI 48183-1240

Enforcement Action Type: CERCLA 106 AO For Resp Action/Imm Haz
Facility County: WAYNE
Program System Acronym: CERCLIS
Enforcement Action Forum Desc: Administrative - Formal
EA Type Code: 106
Facility SIC Code: Not reported
Federal Facility ID: Not reported
Latitude in Decimal Degrees: 42.1565

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

DETROIT STEEL CO (Continued)

1014624817

Longitude in Decimal Degrees: -83.17491
Permit Type Desc: Not reported
Program System Acronym: MIN000510214
Facility NAICS Code: Not reported
Tribal Land Code: Not reported

Facility Name: DETROIT STEEL CO
Address: 1491 WEST JEFFERSON AVENUE
Tribal Indicator: N
Fed Facility: No
NAIC Code: Not reported
SIC Code: Not reported

Facility Name: DETROIT STEEL CO
Address: 1491 WEST JEFFERSON AVENUE
Tribal Indicator: N
Fed Facility: No
NAIC Code: Not reported
SIC Code: Not reported

Facility Name: DETROIT STEEL CO
Address: 1491 WEST JEFFERSON AVENUE
Tribal Indicator: N
Fed Facility: No
NAIC Code: Not reported
SIC Code: Not reported

Facility Name: DETROIT STEEL CO
Address: 1491 WEST JEFFERSON AVENUE
Tribal Indicator: N
Fed Facility: No
NAIC Code: Not reported
SIC Code: Not reported

Facility Name: DETROIT STEEL CO
Address: 1491 WEST JEFFERSON AVENUE
Tribal Indicator: N
Fed Facility: No
NAIC Code: Not reported
SIC Code: Not reported

Facility Name: DETROIT STEEL CO
Address: 1491 WEST JEFFERSON AVENUE
Tribal Indicator: N
Fed Facility: No
NAIC Code: Not reported
SIC Code: Not reported

Facility Name: DETROIT STEEL CO
Address: 1491 WEST JEFFERSON AVENUE
Tribal Indicator: N
Fed Facility: No
NAIC Code: Not reported
SIC Code: Not reported

Facility Name: DETROIT STEEL CO

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

DETROIT STEEL CO (Continued)

1014624817

Address: 1491 WEST JEFFERSON AVENUE
Tribal Indicator: N
Fed Facility: No
NAIC Code: Not reported
SIC Code: Not reported

Facility Name: DETROIT STEEL CO
Address: 1491 WEST JEFFERSON AVENUE
Tribal Indicator: N
Fed Facility: No
NAIC Code: Not reported
SIC Code: Not reported

Facility Name: DETROIT STEEL CO
Address: 1491 WEST JEFFERSON AVENUE
Tribal Indicator: N
Fed Facility: No
NAIC Code: Not reported
SIC Code: Not reported

PCB TRANSFORMER:

Company name: DSC Ltd.
Company address: 1491 West Jefferson Avenue
Trenton, MI 48183
Contact: Dennis Zurakowski
Contact phone: 734-246-4135
Transformer location ID: 1325
Transformer box number: 1
Record ID: 1100
Document ID: 00244
Number of transformers: 72
Weight lbs: Not reported
Weight kgs: 343073
Flammable: N
Office region: 5
Officer title: Vice President
Officer name: Mathew Wilkinson
Date assigned: 12/21/1998

**A7
Target
Property**

**MICHIGAN SITE NETWORK
1491 W. JEFFERSON AVENUE
TRENTON, MI**

**MI BROWNFIELDS S104912581
N/A**

Site 7 of 40 in cluster A

**Actual:
584 ft.**

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

A8
Target
Property
DSC LTD.
1491 WEST JEFFERSON AVENUE
TRENTON, MI 48183

PCB TRANSFORMER
1014628582
N/A

Site 8 of 40 in cluster A

Actual:
584 ft.

PCB TRANSFORMER:
Company name: DSC Ltd.
Company address: 1491 West Jefferson Avenue
Trenton, MI 48183
Contact: Dennis Zurakowski
Contact phone: 734-246-4135
Transformer location ID: 1325
Transformer box number: 1
Record ID: 1100
Document ID: 00244
Number of transformers: 72
Weight lbs: Not reported
Weight kgs: 343073
Flammable: N
Office region: 5
Officer title: Vice President
Officer name: Mathew Wilkinson
Date assigned: 12/21/1998

A9
Target
Property
RIVERVIEW TRENTON RAILROAD SITE
1491 JEFFERSON AVE
TRENTON, MI 48183

ICIS
FINDS
ECHO
1012168646
N/A

Site 9 of 40 in cluster A

Actual:
584 ft.

ICIS:
Enforcement Action ID: 05-2012-1031
FRS ID: 110039390334
Action Name: RIVERVIEW TRENTON RAILROAD - CONSENT DECREE (CERCLA)
Facility Name: RIVERVIEW TRENTON RAILROAD SITE
Facility Address: 1491 JEFFERSON AVE
TRENTON, MI 48183-1240
Enforcement Action Type: Civil Judicial Action
Facility County: WAYNE
Program System Acronym: CERCLIS
Enforcement Action Forum Desc: Judicial
EA Type Code: CIV
Facility SIC Code: Not reported
Federal Facility ID: Not reported
Latitude in Decimal Degrees: 42.1565
Longitude in Decimal Degrees: -83.17491
Permit Type Desc: Not reported
Program System Acronym: MIN000510380
Facility NAICS Code: Not reported
Tribal Land Code: Not reported

Enforcement Action ID: 05-2010-1020
FRS ID: 110039390334
Action Name: RIVERVIEW TRENTON RAILROAD UNILATERAL ADMIN ORDER (CERCLA)
Facility Name: RIVERVIEW TRENTON RAILROAD SITE
Facility Address: 1491 JEFFERSON AVE
TRENTON, MI 48183-1240
Enforcement Action Type: CERCLA 106 AO For Resp Action/Imm Haz
Facility County: WAYNE

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

RIVERVIEW TRENTON RAILROAD SITE (Continued)

1012168646

Program System Acronym: CERCLIS
Enforcement Action Forum Desc: Administrative - Formal
EA Type Code: 106
Facility SIC Code: Not reported
Federal Facility ID: Not reported
Latitude in Decimal Degrees: 42.1565
Longitude in Decimal Degrees: -83.17491
Permit Type Desc: Not reported
Program System Acronym: MIN000510380
Facility NAICS Code: Not reported
Tribal Land Code: Not reported

Facility Name: RIVERVIEW TRENTON RAILROAD SITE
Address: 1491 JEFFERSON AVE
Tribal Indicator: Not reported
Fed Facility: Not reported
NAIC Code: Not reported
SIC Code: Not reported

Facility Name: RIVERVIEW TRENTON RAILROAD SITE
Address: 1491 JEFFERSON AVE
Tribal Indicator: Not reported
Fed Facility: Not reported
NAIC Code: Not reported
SIC Code: Not reported

Facility Name: RIVERVIEW TRENTON RAILROAD SITE
Address: 1491 JEFFERSON AVE
Tribal Indicator: Not reported
Fed Facility: Not reported
NAIC Code: Not reported
SIC Code: Not reported

Facility Name: RIVERVIEW TRENTON RAILROAD SITE
Address: 1491 JEFFERSON AVE
Tribal Indicator: Not reported
Fed Facility: Not reported
NAIC Code: Not reported
SIC Code: Not reported

FINDS:

Registry ID: 110039390334

Environmental Interest/Information System
SUPERFUND (NON-NPL)

[Click this hyperlink](#) while viewing on your computer to access
additional FINDS: detail in the EDR Site Report.

ECHO:

Envid: 1012168646
Registry ID: 110039390334
DFR URL: <http://echo.epa.gov/detailed-facility-report?fid=110039390334>

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

A10
Target
Property
MI DEPT/NATURAL RESOURCES AND ENVIRONMENT
1491 W JEFFERSON AVE
TRENTON, MI 48183

FINDS
ECHO
1012235276
N/A

Site 10 of 40 in cluster A

Actual:
584 ft.

FINDS:

Registry ID: 110039560926

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: 1012235276
Registry ID: 110039560926
DFR URL: <http://echo.epa.gov/detailed-facility-report?fid=110039560926>

A11
Target
Property
MCLOATH STEEL PRODUCTS
1491 W JEFFERSON
TRENTON, MI 48183

FTTS
HIST FTTS
1009518011
N/A

Site 11 of 40 in cluster A

Actual:
584 ft.

FTTS INSP:

Inspection Number: 199306296602 1
Region: 05
Inspection Date: 06/29/93
Inspector: MOORE
Violation occurred: Yes
Investigation Type: Section 6 PCB Federal Conducted
Investigation Reason: Neutral Scheme, Associated
Legislation Code: TSCA
Facility Function: User

HIST FTTS INSP:

Inspection Number: 199306296602 1
Region: 05
Inspection Date: Not reported
Inspector: MOORE
Violation occurred: Yes
Investigation Type: Section 6 PCB Federal Conducted
Investigation Reason: Neutral Scheme, Associated
Legislation Code: TSCA
Facility Function: User

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

A12 **MCLOUTH STEEL PRODUCTS TRENTON P**
Target **1491 W JEFFERSON AVE**
Property **TRENTON, MI**

MI RGA LUST **S115685024**
N/A

Site 12 of 40 in cluster A

Actual:
584 ft.

RGA LUST:

2012	MCLOUTH STEEL PRODUCTS TRENTON P	1491 W JEFFERSON AVE
2011	MCLOUTH STEEL PRODUCTS TRENTON P	1491 W JEFFERSON AVE
2010	MCLOUTH STEEL PRODUCTS TRENTON P	1491 W JEFFERSON AVE
2009	MCLOUTH STEEL PRODUCTS TRENTON P	1491 W JEFFERSON AVE
2008	MCLOUTH STEEL PRODUCTS TRENTON P	1491 W JEFFERSON AVE
2007	MCLOUTH STEEL PRODUCTS TRENTON P	1491 W JEFFERSON AVE
2006	MCLOUTH STEEL PRODUCTS TRENTON P	1491 W JEFFERSON AVE
2005	MCLOUTH STEEL PRODUCTS TRENTON P	1491 W JEFFERSON AVE
2004	MCLOUTH STEEL PRODUCTS TRENTON P	1491 W JEFFERSON AVE
2003	MCLOUTH STEEL PRODUCTS TRENTON P	1491 W JEFFERSON AVE
2001	MCLOUTH STEEL PRODUCTS TRENTON P	1491 W JEFFERSON AVE

A13 **DSC-TRENTON**
Target **1491 WEST JEFFERSON AVE**
Property **TRENTON, MI 48183**

SEMS **1010417329**
PRP **MIN000510214**

Site 13 of 40 in cluster A

Actual:
584 ft.

SEMS:

Site ID: 510214
EPA ID: MIN000510214
Federal Facility: N
NPL: Not on the NPL
Non NPL Status: PA Start Needed

Following information was gathered from the prior CERCLIS update completed in 10/2013:

Site ID: 0510214
EPA ID: MIN000510214
Facility County: WAYNE
Short Name: DSC-TRENTON
Congressional District: 14
IFMS ID: B5KV
SMSA Number: Not reported
USGC Hydro Unit: Not reported
Federal Facility: Not a Federal Facility
DMNSN Number: 0.00000
Site Orphan Flag: Not reported
RCRA ID: Not reported
USGS Quadrangle: Not reported
Site Init By Prog: S
NFRAP Flag: Not reported
Parent ID: Not reported
RST Code: Not reported
EPA Region: 05
Classification: Not reported
Site Settings Code: Not reported
NPL Status: Not on the NPL
DMNSN Unit Code: Not reported
RBRAC Code: Not reported
RResp Fed Agency Code: Not reported
Non NPL Status: PA Start Needed
Non NPL Status Date: 06/14/07
Site Fips Code: 26163
CC Concurrence Date: / /

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

DSC-TRENTON (Continued)

1010417329

CC Concurrence FY: Not reported
Alias EPA ID: Not reported
Site FUDS Flag: Not reported

CERCLIS Site Contact Name(s):

Contact ID: 5272313.00000
Contact Name: BRIAN KELLY
Contact Tel: (734) 692-7684
Contact Title: On-Scene Coordinator (OSC)
Contact Email: Not reported

Contact ID: 5271053.00000
Contact Name: DAVE NOVAK
Contact Tel: (312) 886-7478
Contact Title: Community Involvement Coordinator
Contact Email: Not reported

Alias Comments: Not reported

Site Description: DSC-Trenton (aka McLouth Steel) is a former steel manufacturing facility located along the Detroit River. On June 14th, EPA responded to a fire in an oil pit. A survey of the property found numerous drums and containers of waste. The facility is under a State Order for cleanup, but are not complying. There are extensive multimedia issues at the site and scoring for the NPL may be required.

CERCLIS Assessment History:

Action Code: 001
Action: DISCOVERY
Date Started: / /
Date Completed: 06/14/07
Priority Level: Not reported
Operable Unit: SITEWIDE
Primary Responsibility: EPA Fund-Financed
Planning Status: Not reported
Urgency Indicator: Not reported
Action Anomaly: Not reported

Action Code: 001
Action: Notice Letters Issued
Date Started: / /
Date Completed: 11/23/07
Priority Level: Not reported
Operable Unit: SITEWIDE
Primary Responsibility: Federal Enforcement
Planning Status: Not reported
Urgency Indicator: Not reported
Action Anomaly: Not reported

Action Code: 001
Action: POTENTIALLY RESPONSIBLE PARTY EMERGENCY REMOVAL
Date Started: 06/14/07
Date Completed: 01/31/08
Priority Level: Stabilized
Operable Unit: SITEWIDE

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

DSC-TRENTON (Continued)

1010417329

Primary Responsibility: Responsible Party
Planning Status: Primary
Urgency Indicator: Emergency
Action Anomaly: Not reported

Action Code: 001
Action: NON-NATIONAL PRIORITIES LIST POTENTIALLY RESPONSIBLE PARTY SEARCH
Date Started: 06/14/07
Date Completed: 01/31/08
Priority Level: Not reported
Operable Unit: SITEWIDE
Primary Responsibility: EPA In-House
Planning Status: Not reported
Urgency Indicator: Not reported
Action Anomaly: Not reported

Action Code: 001
Action: ISSUE REQUEST LETTERS (104E)
Date Started: / /
Date Completed: 05/09/08
Priority Level: Not reported
Operable Unit: SITEWIDE
Primary Responsibility: Federal Enforcement
Planning Status: Not reported
Urgency Indicator: Not reported
Action Anomaly: Not reported

Action Code: 001
Action: UNILATERAL ADMIN ORDER
Date Started: / /
Date Completed: 09/02/08
Priority Level: Not reported
Operable Unit: SITEWIDE
Primary Responsibility: Federal Enforcement
Planning Status: Not reported
Urgency Indicator: Not reported
Action Anomaly: Not reported

Action Code: 001
Action: REMOVAL
Date Started: 05/12/09
Date Completed: 10/02/09
Priority Level: Cleaned up
Operable Unit: SITEWIDE
Primary Responsibility: EPA Fund-Financed
Planning Status: Approved
Urgency Indicator: Time Critical
Action Anomaly: Not reported

PRP name: DETROIT STELL COMPANY LLC
HONIGMAN MILLER SCHWARTZ COHN LLP
MICHAEL WILKINSON
TRENTON LAND HOLDINGS LLC

Map ID
Direction
Distance
Elevation

MAP FINDINGS

EDR ID Number
EPA ID Number

A14
Target
Property

MCCLOUD STEEL
1491 W. JEFFERSON
TRENTON, MI

MI RGA LUST

S115684950
N/A

Site 14 of 40 in cluster A

Actual:
584 ft.

RGA LUST:

1991 MCCLOUD STEEL 1491 W. JEFFERSON

A15
Target
Property

MCLOUTH STEEL PRODUCTS TRENTON P
1491 W. JEFFERSON AVE.
TRENTON, MI

MI RGA LUST

S115685025
N/A

Site 15 of 40 in cluster A

Actual:
584 ft.

RGA LUST:

2000	MCLOUTH STEEL PRODUCTS TRENTON P	1491 W. JEFFERSON AVE.
1999	MCLOUTH STEEL PRODUCTS TRENTON P	1491 W. JEFFERSON AVE.
1998	MCLOUTH STEEL PRODUCTS TRENTON P	1491 W. JEFFERSON AVE.
1997	MCLOUTH STEEL PRODUCTS TRENTON P	1491 W. JEFFERSON AVE.

A16
Target
Property

1491 W. JEFFERSON AVE.
TRENTON, MI

MI SPILLS

S106689243
N/A

Site 16 of 40 in cluster A

Actual:
584 ft.

PEAS:

Incident Date:	11/15/2004
Office Status:	Not reported
Initials of Incoming Operator:	Not reported
Time Received by DNRE Staff:	Not reported
Time Occur:	Not reported
Date Of PEAS Call:	Not reported
Complainant / Company:	Dennis w/Detroit Steel Company
Complainant Address:	Not reported
Company Involved:	Dennis W/Detroit Steel Company
DEQ Division Involved:	RRD
Incident Description:	contacted EPA Region 5 and NRC. Moving a PCB Transformer for disposal, upper Incelator was damage, leaked Pyranol onto concrete floor,
Description:	Not reported
Date Discovered:	Not reported
Time Discovered:	Not reported
Office/After Hours:	Not reported
Party Involved - Phone 1:	Not reported
Party Involved - Phone 2:	Not reported
Ongoing?:	Not reported
Release Secured:	Not reported
Source:	Not reported
Source decode:	Not reported
Lead Division 2:	Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

A17
Target
Property
MC CLOUTH STEEL (FORMER) TRENTON
1491 W. JEFFERSON AVENUE
WAYNE (County), MI

MI INVENTORY
S114036731
N/A

Site 17 of 40 in cluster A

Actual:
584 ft.

INVENTORY:
Bea Number: 200001191LV
Township: Trenton
District: Southeast MI
Data Source: BEA
Latitude: Not reported
Longitude: Not reported

A18
Target
Property
MCLOUTH STEEL TRENTON (FORMER)
1491 W. JEFFERSON
TRENTON, MI 48183

MI INVENTORY
MI PART 201
MI BEA
MI WDS
S107697159
N/A

Site 18 of 40 in cluster A

Actual:
584 ft.

INVENTORY:
Bea Number: Not reported
Township: Trenton
District: Southeast MI
Data Source: Part 201
Latitude: 42.16046
Longitude: -83.17257

PART 201:

Facility ID: 82001699
Facility Status: **Contact Lead Division for current status**
Source: Steel Foundries
SAM Score: 38
SAM Score Date: 07/19/2007
Township: Not reported
Range: Not reported
Section: Not reported
Quarter: Not reported
Quarter/Quarter: Not reported
Pollutants: Not reported

BEA:

Secondary Address: Not reported
BEA Number: 1237
District: Southeast MI
Date Received: 11/02/2000
Submitter Name: CROWN ENTERPRISES
Petition Determination: No Request
Petition Disclosure: 0
Category: No Hazardous Substance(s)
Determination 20107A: No Request
Reviewer: tempm
Division Assigned: Environmental Response Division

Secondary Address: PARCEL 51-009-03-0001-000
BEA Number: 1190
District: Southeast MI
Date Received: 08/21/2000
Submitter Name: MANUEL J. MOROUN D.B.A.

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

MCLOUTH STEEL TRENTON (FORMER) (Continued)

S107697159

Petition Determination: Affirmed
Petition Disclosure: 1
Category: No Hazardous Substance(s)
Determination 20107A: Pending
Reviewer: novake
Division Assigned: Environmental Response Division

Secondary Address: Not reported
BEA Number: 1191
District: Southeast MI
Date Received: 08/21/2000
Submitter Name: MANUEL J. MOROUN d.b.a. Lakeshore Proper
Petition Determination: Affirmed
Petition Disclosure: 1
Category: No Hazardous Substance(s)
Determination 20107A: Pending
Reviewer: novake
Division Assigned: Environmental Response Division

WDS:

Site Id: MID017422304
WMD Id: 395074
Site Specific Name: DETROIT STEEL COMPANY - TRENTON PLANT
Mailing Address: 1491 W JEFFERSON AVE
Mailing City/State/Zip: 48183
Mailing County: WAYNE

Site Id: MIK226366870
WMD Id: 486283
Site Specific Name: DSC-TRENTON SITE B5KV
Mailing Address: 9311 GROH RD
Mailing City/State/Zip: 48138
Mailing County: WAYNE

A19
Target
Property
DSC-TRENTON PLANT
1491 WEST JEFFERSON AVENUE
TRENTON, MI 48183

MI AUL
MI SPILLS
MI BEA
MI NPDES
S106914664
N/A

Site 19 of 40 in cluster A

Actual:
584 ft.

AUL:
Status: Rescinded
Site Name: McLouth Steel Trenton (Former)
Property: On-Site
Land Use Restriction Type: RC
Program Type: Part 201
Program Support Assigned User: Nicholas Ekel
Program Support Assigned Date: 01/14/2016
Legal Description Of Property: Site Address
Based On The Deq Ref #: 11520183001
MDEQ Reference Number: RC-SF-201-83-001
Property Or Description Restricted Area: Not reported
Lead Division: SF
File Name Of Hyperlinked Legal Doc: U:\KERMIT\11520183001.PDF
Mapped Polygons Area In Acres: 339.8535
Mapped Polygons Area In Square Miles: 0.5310000000000003
Date Data Entry Started: 01/15/2016

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

DSC-TRENTON PLANT (Continued)

S106914664

Date Data Entry Finished: 01/15/2016
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: 10/12/1983
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: 0
Recreational Land Use Restriction: 0
Multiple Land-Use Restrictions: 0
Site Specific Restrictions: 1
Groundwater Consumption Restrictions: 0
Groundwater Contact Restrictions: 0
Special Well Construction Requirements: 0
Special Building Restrictions: 0
Excavation And Soil Movement Restrictions: 1
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
Map Comments: 20160114 - LRUR is NOT mapped in KERMIT - Nick 20160114 - LRUR is updated with recession document - Nick Ekel 20160115 - LRUR is mapped in KERMIT - Nick Ekel
Comment: 20160114 - Restriction was supplied by Cindy Fairbanks of RRD-Superfund - Nick Ekel

Status: Recorded
Site Name: McLouth Steel Trenton (Former)
Property: On-Site
Land Use Restriction Type: RC
Program Type: Part 201
Program Support Assigned User: Nicholas Ekel
Program Support Assigned Date: 01/14/2016
Legal Description Of Property: Site Address
Based On The Deq Ref #: 11520199001
MDEQ Reference Number: RC-SF-201-99-001
Property Or Description Restricted Area: Not reported
Lead Division: SF
File Name Of Hyperlinked Legal Doc: U:\KERMIT\11520199001.PDF
Mapped Polygons Area In Acres: 167.87430000000001
Mapped Polygons Area In Square Miles: 0.26229999999999998
Date Data Entry Started: 01/15/2016
Date Data Entry Finished: 01/15/2016
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: 08/11/1999
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: 0
Recreational Land Use Restriction: 0

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

DSC-TRENTON PLANT (Continued)

S106914664

Multiple Land-Use Restrictions: 0
Site Specific Restrictions: 1
Groundwater Consumption Restrictions: 0
Groundwater Contact Restrictions: 0
Special Well Construction Requirements: 0
Special Building Restrictions: 0
Excavation And Soil Movement Restrictions: 1
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
Map Comments: 20160114 - LRUR is NOT mapped in KERMIT - Nick Ekel 20160115 - LRUR is mapped in KERMIT - Nick Ekel
Comment: 20160114 - Restriction was submitted by Cindy Fairbanks of RRD-Superfund - Nick Ekel

Status: Recorded
Site Name: McLouth Steel Trenton (Former)
Property: On-Site
Land Use Restriction Type: RC
Program Type: Part 201
Program Support Assigned User: Nicholas Ekel
Program Support Assigned Date: 01/14/2016
Legal Description Of Property: Site Address
Based On The Deq Ref #: 11520199002
MDEQ Reference Number: RC-SF-201-99-002
Property Or Description Restricted Area: Not reported
Lead Division: SF
File Name Of Hyperlinked Legal Doc: U:\KERMIT\11520199002.PDF
Mapped Polygons Area In Acres: 39.115000000000002
Mapped Polygons Area In Square Miles: 6.1100000000000002E-2
Date Data Entry Started: 01/15/2016
Date Data Entry Finished: 01/15/2016
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: 08/11/1999
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: 0
Recreational Land Use Restriction: 0
Multiple Land-Use Restrictions: 0
Site Specific Restrictions: 1
Groundwater Consumption Restrictions: 0
Groundwater Contact Restrictions: 0
Special Well Construction Requirements: 0
Special Building Restrictions: 0
Excavation And Soil Movement Restrictions: 1
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

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

DSC-TRENTON PLANT (Continued)

S106914664

There Is A Permanent Marker On The Site: 0
Map Comments: 20160114 - LRUR is NOT mapped in KERMIT - Nick Ekel 20160115 - LRUR is mapped in KERMIT - Nick Ekel
Comment: 20160114 - Restriction was submitted by Cindy Fairbanks of RRD-Superfund - Nick Ekel

Status: Rescinded
Site Name: McLouth Steel Trenton (Former)
Property: On-Site
Land Use Restriction Type: RC
Program Type: Part 201
Program Support Assigned User: Nicholas Ekel
Program Support Assigned Date: 01/14/2016
Legal Description Of Property: Site Address
Based On The Deq Ref #: 11520199003
MDEQ Reference Number: RC-SF-201-99-003
Property Or Description Restricted Area: Not reported
Lead Division: SF
File Name Of Hyperlinked Legal Doc: Not reported
Mapped Polygons Area In Acres: Not reported
Mapped Polygons Area In Square Miles: Not reported
Date Data Entry Started: Not reported
Date Data Entry Finished: Not reported
Individual Or Staff Assoc With The Mapping: Not reported
Program Used To Map Restricted Features: Not reported
Date Legal Paperwork Stamped/Filed/Register Of Deeds: 08/11/1999
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: 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
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
Map Comments: Not reported
Comment: Not reported

PEAS:

Incident Date: 04/18/2005
Office Status: Not reported
Initials of Incoming Operator: Not reported
Time Received by DNRE Staff: Not reported
Time Occur: Not reported
Date Of PEAS Call: Not reported
Complainant / Company: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

DSC-TRENTON PLANT (Continued)

S106914664

Complainant Address: Not reported
Company Involved: Detroit Steel
DEQ Division Involved: RRD
Incident Description: Not reported
Description: We were moving a mineral oil transformer. Fork lift damaged drain valve causing a release of 260 gallons of mineral oil onto a concrete pad and soil around the pad. In process of cleaning up the spill.
Date Discovered: Not reported
Time Discovered: Not reported
Office/After Hours: Not reported
Party Involved - Phone 1: Not reported
Party Involved - Phone 2: Not reported
Ongoing?: Not reported
Release Secured: Not reported
Source: Not reported
Source decode: Not reported
Lead Division 2: Not reported

BEA:

Secondary Address: Not reported
BEA Number: 1312
District: Southeast MI
Date Received: 03/07/2001
Submitter Name: RIVERVIEW TRENTON RAILROAD COMPANY
Petition Determination: No Request
Petition Disclosure: 0
Category: No Hazardous Substance(s)
Determination 20107A: No Request
Reviewer: novake
Division Assigned: Environmental Response Division

MI NPDES:

Permit Number: MI0002399
Permittee PO Box: N
Permittee Email: Not reported
Issue Date: 09/23/2008
Effective Date: 11/01/2008
Expiration Date: 10/01/2012
Permittee Name: Detroit Steel Company Limited
Permittee Address: 1491 West Jefferson Avenue
Permittee Addr2: Not reported
Permittee City,St,Zip: Trenton, MI 48183
Permit Type: NPDES Individual Permit
Facility Name 2: Not reported
Facility Name 3: Trenton Plant
Facility Name 4: Not reported
Designed Name: DSC-Trenton Plant
Latitude: 42.1563
Lat Direction: N
Lat Type Code: LAT
Longitude: -83.1679
Lon Direction: W
Lon Type Code: LON
Hydrologic Unit Code: 4090004
Permit Status: Extended
COC Permit Category: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

DSC-TRENTON PLANT (Continued)

S106914664

DEQ District Email: Southeast Michigan
DEQ Permit Compliance Manager: Jennifer Hazelton
DEQ Permit Compliance Manager Email: hazeltonj@michigan.gov

A20
Target
Property

1491 WEST JEFFERSON AVENUE
TRENTON, MI

MI SPILLS S104912645
N/A

Site 20 of 40 in cluster A

Actual:
584 ft.

PEAS:

Incident Date: 07/30/2002
Office Status: Not reported
Initials of Incoming Operator: Not reported
Time Received by DNRE Staff: Not reported
Time Occur: Not reported
Date Of PEAS Call: 07/30/2002
Complainant / Company: Dennis Zurakowski
Complainant Address: 1491 West Jefferson Avenue
Company Involved: Midwest Industrial Supply Company
DEQ Division Involved: SWQD
Incident Description: of the Detroit River. There was a release of 30 to 50 gallons of asphalt into the Trenton Channel

Description: Not reported
Date Discovered: Not reported
Time Discovered: Not reported
Office/After Hours: Not reported
Party Involved - Phone 1: Not reported
Party Involved - Phone 2: Not reported
Ongoing?: Not reported
Release Secured: Not reported
Source: Not reported
Source decode: Not reported
Lead Division 2: Not reported

A21
Target
Property

MCLOUTH STEEL TRENTON (FORMER)
1491 W. JEFFERSON
TRENTON, MI

MI RGA PART 201 S115659605
N/A

Site 21 of 40 in cluster A

Actual:
584 ft.

RGA PART 201:

2012	MCLOUTH STEEL TRENTON (FORMER)	1491 W. JEFFERSON
2011	MCLOUTH STEEL TRENTON (FORMER)	1491 W. JEFFERSON
2010	MCLOUTH STEEL TRENTON (FORMER)	1491 W. JEFFERSON

Map ID
Direction
Distance
Elevation

MAP FINDINGS

EDR ID Number
EPA ID Number

A22
Target
Property

MCLOUTH STEEL PRODUCTS
1491 JEFFERSON AVENUE
TRENTON, MI 48183

FINDS **1007467257**
N/A

Site 22 of 40 in cluster A

Actual:
584 ft.

FINDS:

Registry ID: 110017408599

Environmental Interest/Information System
SUPERFUND (NON-NPL)

US EPA RACT/BACT/LAER Clearinghouse (RBLC) database contains case-specific information on the "Best Available" air pollution technologies that have been required to reduce the emission of air pollutants from stationary sources (e.g., power plants, steel mills, chemical plants, etc.). RACT, or Reasonably Available Control Technology, is required on existing sources in areas that are not meeting national ambient air quality standards. BACT, or Best Available Control Technology, is required on major new or modified sources in clean areas. LAER, or Lowest Achievable Emission Rate, is required on major new or modified sources in non-attainment areas.

[Click this hyperlink](#) while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

A23
Target
Property

1491 WEST JEFFERSON AVE
TRENTON, MI 48183

ERNS **93161874**
N/A

Site 23 of 40 in cluster A

Actual:
584 ft.

[Click this hyperlink](#) while viewing on your computer to access additional ERNS detail in the EDR Site Report.

A24
Target
Property

1491 WEST JEFFERSON AVE
TRINTON, MI 48183

ERNS **93161872**
N/A

Site 24 of 40 in cluster A

Actual:
584 ft.

[Click this hyperlink](#) while viewing on your computer to access additional ERNS detail in the EDR Site Report.

A25
Target
Property

THE RIVERVIEW TRENTON RAILROAD COMPANY
1491 WEST JEFFERSON AVENUE
WAYNE (County), MI

MI INVENTORY **S114039116**
N/A

Site 25 of 40 in cluster A

Actual:
584 ft.

INVENTORY:

Bea Number: 200101312LV
Township: Trenton
District: Southeast MI
Data Source: BEA
Latitude: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

THE RIVERVIEW TRENTON RAILROAD COMPANY (Continued)

S114039116

Longitude: Not reported

A26
Target
Property

1491 W. JEFFERSON AVE
TRENTON, MI 48183

ERNS 2005756082
N/A

Site 26 of 40 in cluster A

Actual:
584 ft.

[Click this hyperlink](#) while viewing on your computer to access additional ERNS detail in the EDR Site Report.

A27
Target
Property

MCLOATH STEEL PRODUCTS
1491 W JEFFERSON
TRENTON, MI 48183

FTTS 1007285869
HIST FTTS N/A

Site 27 of 40 in cluster A

Actual:
584 ft.

FTTS INSP:

Inspection Number: 20030101SC 3
Region: 11
Inspection Date: 01/01/03
Inspector: Not reported
Violation occurred: Yes
Investigation Type: EPCRA, Data Quality, Federal Conducted
Investigation Reason: For Cause, Violation
Legislation Code: EPCRA
Facility Function: Manufacturer

HIST FTTS INSP:

Inspection Number: 20030101SC 3
Region: 11
Inspection Date: Not reported
Inspector: Not reported
Violation occurred: Yes
Investigation Type: EPCRA, Data Quality, Federal Conducted
Investigation Reason: For Cause, Violation
Legislation Code: EPCRA
Facility Function: Manufacturer

A28
Target
Property

1491 WEST JEFFERSON AVE
TRENTON, MI 48183

ERNS 93195257
N/A

Site 28 of 40 in cluster A

Actual:
584 ft.

[Click this hyperlink](#) while viewing on your computer to access additional ERNS detail in the EDR Site Report.

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

A29
Target
Property **MC CLOUTH STEEL (FORMER-RIVERVIEW)**
1491 W. JEFFERSON AVENUE PARCEL 51-009-03-0001-000
WAYNE (County), MI

MI INVENTORY **S114036733**
N/A

Site 29 of 40 in cluster A

Actual:
584 ft.

INVENTORY:
Bea Number: 200001190LV
Township: Trenton
District: Southeast MI
Data Source: BEA
Latitude: Not reported
Longitude: Not reported

A30
Target
Property **MCLOUTH STEEL**
1491 W. JEFFERSON
TRENTON, MI

MI RGA LUST **S115685026**
N/A

Site 30 of 40 in cluster A

Actual:
584 ft.

RGA LUST: 1991 MCLOUTH STEEL 1491 W. JEFFERSON

A31
Target
Property **1491 WEST JEFFERSON**
TRENTON, MI

ERNS **93192943**
N/A

Site 31 of 40 in cluster A

Actual:
584 ft.

[Click this hyperlink](#) while viewing on your computer to access additional ERNS detail in the EDR Site Report.

A32
Target
Property **1491 WEST JEFFERSON AVE.**
TRENTON, MI

ERNS **2004741417**
N/A

Site 32 of 40 in cluster A

Actual:
584 ft.

[Click this hyperlink](#) while viewing on your computer to access additional ERNS detail in the EDR Site Report.

A33
Target
Property **MC CLOUTH STEEL (FORMER)**
1491 W. JEFFERSON AVENUE
WAYNE (County), MI

MI INVENTORY **S114036732**
N/A

Site 33 of 40 in cluster A

Actual:
584 ft.

INVENTORY:
Bea Number: 200001237LV
Township: Trenton
District: Southeast MI
Data Source: BEA
Latitude: Not reported
Longitude: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

A34
Target
Property

1491 WEST JEFFERSON AVE
TRINTON, MI 48183

ERNS 92109374
N/A

Site 34 of 40 in cluster A

Actual:
584 ft.

[Click this hyperlink](#) while viewing on your computer to access
additional ERNS detail in the EDR Site Report.

A35
Target
Property

1491 WEST JEFFERSON AVE
TRENTON, MI

ERNS 2002618339
N/A

Site 35 of 40 in cluster A

Actual:
584 ft.

[Click this hyperlink](#) while viewing on your computer to access
additional ERNS detail in the EDR Site Report.

A36
Target
Property

1491 WEST JEFFERSON AVE
TRENTON, MI 48183

ERNS 93162071
N/A

Site 36 of 40 in cluster A

Actual:
584 ft.

[Click this hyperlink](#) while viewing on your computer to access
additional ERNS detail in the EDR Site Report.

A37
Target
Property

DETROIT STEEL COMPANY
1491 W JEFFERSON AVE
TRENTON, MI 48183

SEMS 1000343542
CORRACTS MID017422304
MI LUST
MI UST
MI INVENTORY
RCRA NonGen / NLR
2020 COR ACTION
PADS
ICIS
US AIRS
MI AIRS

Site 37 of 40 in cluster A

Actual:
584 ft.

SEMS:

Site ID: 502434
EPA ID: MID017422304
Federal Facility: N
NPL: Not on the NPL
Non NPL Status: ESI Start Needed

CORRACTS:

EPA ID: MID017422304
EPA Region: 5
Area Name: ENTIRE FACILITY
Actual Date: 20110511
Action: CA210SF - CA Responsibility Referred To A Non-RCRA Federal Authority,
Corrective Action at the facility or area referred to CERCLA
NAICS Code(s): 53139 33111
Other Activities Related to Real Estate
Iron and Steel Mills and Ferroalloy Manufacturing

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

DETROIT STEEL COMPANY (Continued)

1000343542

Original schedule date: Not reported
Schedule end date: Not reported

EPA ID: MID017422304
EPA Region: 5
Area Name: ENTIRE FACILITY
Actual Date: 19921221
Action: CA075ME - CA Prioritization, Facility or area was assigned a medium
corrective action priority
NAICS Code(s): 53139 33111
Other Activities Related to Real Estate
Iron and Steel Mills and Ferroalloy Manufacturing

Original schedule date: Not reported
Schedule end date: Not reported

EPA ID: MID017422304
EPA Region: 5
Area Name: ENTIRE FACILITY
Actual Date: 19980122
Action: CA010 - RFA Initiation
NAICS Code(s): 53139 33111
Other Activities Related to Real Estate
Iron and Steel Mills and Ferroalloy Manufacturing

Original schedule date: Not reported
Schedule end date: Not reported

EPA ID: MID017422304
EPA Region: 5
Area Name: ENTIRE FACILITY
Actual Date: 19980922
Action: CA050 - RFA Completed
NAICS Code(s): 53139 33111
Other Activities Related to Real Estate
Iron and Steel Mills and Ferroalloy Manufacturing

Original schedule date: Not reported
Schedule end date: Not reported

EPA ID: MID017422304
EPA Region: 5
Area Name: ENTIRE FACILITY
Actual Date: 19980922
Action: CA050RF - RFA Completed, Assessment was an RFA
NAICS Code(s): 53139 33111
Other Activities Related to Real Estate
Iron and Steel Mills and Ferroalloy Manufacturing

Original schedule date: Not reported
Schedule end date: Not reported

EPA ID: MID017422304
EPA Region: 5
Area Name: ENTIRE FACILITY
Actual Date: 19910726
Action: CA050 - RFA Completed
NAICS Code(s): 53139 33111
Other Activities Related to Real Estate
Iron and Steel Mills and Ferroalloy Manufacturing

Original schedule date: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

DETROIT STEEL COMPANY (Continued)

1000343542

Schedule end date: Not reported

EPA ID: MID017422304
EPA Region: 5
Area Name: ENTIRE FACILITY
Actual Date: 19910726
Action: CA070YE - RFA Determination Of Need For An RFI, RFI is Necessary
NAICS Code(s): 53139 33111
Other Activities Related to Real Estate
Iron and Steel Mills and Ferroalloy Manufacturing

Original schedule date: Not reported
Schedule end date: Not reported

EPA ID: MID017422304
EPA Region: 5
Area Name: ENTIRE FACILITY
Actual Date: 19910927
Action: CA075ME - CA Prioritization, Facility or area was assigned a medium
corrective action priority
NAICS Code(s): 53139 33111
Other Activities Related to Real Estate
Iron and Steel Mills and Ferroalloy Manufacturing

Original schedule date: Not reported
Schedule end date: Not reported

LUST:

Facility ID: 00021717
Source: STATE OF MICHIGAN
Owner Name: Mclouth Steel Products Corp
Owner Address: 1650 W Jefferson Ave
Owner City,St,Zip: Trenton, MI 48183-2136
Owner Contact: Not reported
Owner Phone: (734) 285-1200
Country: USA
District: Region 1 - SE Michigan District Office
Site Name: Mclouth Steel Products Trenton P
Latitude: 42.15501
Longitude: -83.17494
Date of Collection: 01/11/2001
Method of Collection: Address Matching-House Number
Accuracy: 100
Accuracy Value Unit: FEET
Horizontal Data: NAD83
Point Line Area: POINT
Desc Category: Plant Entrance (Freight)

Leak Number: C-0917-90
Release Date: 05/24/1990
Substance Released: Not reported
Release Status: Open
Release Closed Date: Not reported

Leak Number: C-1252-90
Release Date: 07/13/1990
Substance Released: Not reported
Release Status: Open
Release Closed Date: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

DETROIT STEEL COMPANY (Continued)

1000343542

UST:

Facility ID: 00021717
Facility Type: CLOSED
Owner Name: MCLOUTH STEEL PRODUCTS CORP
Owner Address: 1650 W JEFFERSON AVE
Owner City,St,Zip: TRENTON, MI 48183-2136
Owner Country: USA
Owner Contact: Not reported
Owner Phone: (734) 285-1200
Contact: D.S. WINDELER
Contact Phone: (734) 285-1200
Date of Collection: 01/11/2001
Accuracy: 100
Accuracy Value Unit: FEET
Horizontal Datum: NAD83
Source: STATE OF MICHIGAN
Point Line Area: POINT
Desc Category: Plant Entrance (Freight)
Method of Collection: Address Matching-House Number
Latitude: 42.15501
Longitude: -83.17494

Tank ID: WHS1
Tank Status: Removed from Ground
Capacity: 6000
Product: Gasoline
Install Date: 01/01/1965
Remove Date: 09/30/1990
Tank Release Detection: Not reported
Pipe Release Detection: Not reported
Piping Material: Bare Steel,Galvanized Steel
Piping Type: Not reported
Construction Material: Asphalt Coated or Bare Steel
Impressed Device: No

INVENTORY:

Bea Number: Not reported
Township: Not reported
District: Southeast MI
Data Source: Part 213
Latitude: 42.15502
Longitude: -83.17495

RCRA NonGen / NLR:

Date form received by agency: 04/02/2008
Facility name: DETROIT STEEL COMPANY
Facility address: 1491 W JEFFERSON AVE
TRENTON, MI 48183
EPA ID: MID017422304
Contact: ROBERT WRIGHT
Contact address: 1491 W JEFFERSON AVE
TRENTON, MI 48183
Contact country: US
Contact telephone: (734) 246-4170
Contact email: Not reported
EPA Region: 05

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

DETROIT STEEL COMPANY (Continued)

1000343542

Land type: Private
Classification: Non-Generator
Description: Handler: Non-Generators do not presently generate hazardous waste

Owner/Operator Summary:

Owner/operator name: DETROIT STEEL COMPANY
Owner/operator address: Not reported
Not reported
Owner/operator country: Not reported
Owner/operator telephone: Not reported
Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: 05/31/2000
Owner/Op end date: Not reported

Owner/operator name: DETROIT STEEL COMPANY
Owner/operator address: Not reported
Not reported
Owner/operator country: Not reported
Owner/operator telephone: Not reported
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: 05/31/2000
Owner/Op end date: Not reported

Handler Activities Summary:

U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

. Waste code: D001
. Waste name: IGNITABLE WASTE

Historical Generators:

Date form received by agency: 05/04/2007
Site name: DETROIT STEEL COMPANY
Classification: Not a generator, verified

. Waste code: D001
. Waste name: IGNITABLE WASTE

Date form received by agency: 03/18/2006
Site name: DETROIT STEEL COMPANY
Classification: Not a generator, verified

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

DETROIT STEEL COMPANY (Continued)

1000343542

. Waste code: D001
. Waste name: IGNITABLE WASTE

Date form received by agency: 03/08/2006
Site name: DETROIT STEEL COMPANY
Classification: Large Quantity Generator

. Waste code: D001
. Waste name: IGNITABLE WASTE

Date form received by agency: 03/01/2006
Site name: DSC LTD
Classification: Large Quantity Generator

Date form received by agency: 12/06/2005
Site name: DETROIT STEEL COMPANY
Classification: Not a generator, verified

. Waste code: D001
. Waste name: IGNITABLE WASTE

Date form received by agency: 04/26/2005
Site name: DETROIT STEEL COMPANY
Classification: Large Quantity Generator

. Waste code: D001
. Waste name: IGNITABLE WASTE

Date form received by agency: 04/30/2004
Site name: DETROIT STEEL COMPANY
Classification: Small Quantity Generator

. Waste code: D001
. Waste name: IGNITABLE WASTE

Date form received by agency: 03/09/2004
Site name: DETROIT STEEL COMPANY
Classification: Large Quantity Generator

. Waste code: D001
. Waste name: IGNITABLE WASTE

Date form received by agency: 04/07/2003
Site name: DETROIT STEEL COMPANY
Classification: Large Quantity Generator

. Waste code: D001
. Waste name: IGNITABLE WASTE

Date form received by agency: 12/31/2002
Site name: DETROIT STEEL COMPANY
Classification: Small Quantity Generator

. Waste code: D001
. Waste name: IGNITABLE WASTE

Date form received by agency: 05/21/2002

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

DETROIT STEEL COMPANY (Continued)

1000343542

Site name: DETROIT STEEL COMPANY
Classification: Large Quantity Generator

. Waste code: D001
. Waste name: IGNITABLE WASTE

Date form received by agency: 05/02/2002

Site name: DETROIT STEEL COMPANY
Classification: Large Quantity Generator

. Waste code: D001
. Waste name: IGNITABLE WASTE

Date form received by agency: 03/01/2002

Site name: DSC LTD TRENTON PLANT
Classification: Large Quantity Generator

Date form received by agency: 01/01/2001

Site name: DETROIT STEEL COMPANY
Classification: Large Quantity Generator

. Waste code: D001
. Waste name: IGNITABLE WASTE

Date form received by agency: 02/28/2000

Site name: DSC LTD TRENTON PLANT
Classification: Large Quantity Generator

Date form received by agency: 11/04/1996

Site name: DETROIT STEEL COMPANY
Classification: Large Quantity Generator

. Waste code: D001
. Waste name: IGNITABLE WASTE

Date form received by agency: 02/27/1996

Site name: MCLOUTH STEEL, TRENTON PLANT
Classification: Large Quantity Generator

Date form received by agency: 01/18/1995

Site name: DETROIT STEEL COMPANY
Classification: Large Quantity Generator

. Waste code: D001
. Waste name: IGNITABLE WASTE

Date form received by agency: 03/15/1994

Site name: MCLOUTH STEEL, TRENTON PLANT
Classification: Large Quantity Generator

Date form received by agency: 01/31/1992

Site name: MCLOUTH STEEL-TRENTON PLANT
Classification: Large Quantity Generator

Date form received by agency: 02/28/1990

Site name: MCLOUTH STEEL-TRENTON PLANT
Classification: Large Quantity Generator

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

DETROIT STEEL COMPANY (Continued)

1000343542

Date form received by agency: 11/18/1980
Site name: DETROIT STEEL COMPANY
Classification: Not a generator, verified

Waste code: D001
Waste name: IGNITABLE WASTE

Corrective Action Summary:

Event date: 07/26/1991
Event: RFA Completed

Event date: 07/26/1991
Event: RFA Determination Of Need For An RFI, RFI is Necessary;

Event date: 09/27/1991
Event: CA Prioritization, Facility or area was assigned a medium corrective action priority.

Event date: 12/21/1992
Event: CA Prioritization, Facility or area was assigned a medium corrective action priority.

Event date: 01/22/1998
Event: RFA Initiation

Event date: 09/22/1998
Event: RFA Completed

Event date: 09/22/1998
Event: RFA Completed, Assessment was an RFA.

Event date: 05/11/2011
Event: CA Responsibility Referred To A Non-RCRA Federal Authority, Corrective Action at the facility or area referred to CERCLA.

Facility Has Received Notices of Violations:

Regulation violated: Not reported
Area of violation: Permits - Conditions
Date violation determined: 12/18/2001
Date achieved compliance: 03/01/2002
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 12/18/2001
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: Universal Waste - Small Quantity Handlers
Date violation determined: 09/28/2000
Date achieved compliance: 04/16/2001
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

DETROIT STEEL COMPANY (Continued)

1000343542

Enforcement action date: 09/28/2000
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: Generators - General
Date violation determined: 09/28/2000
Date achieved compliance: 04/16/2001
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 09/28/2000
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: Generators - Pre-transport
Date violation determined: 09/28/2000
Date achieved compliance: 04/16/2001
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 09/28/2000
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: Generators - Pre-transport
Date violation determined: 08/30/1999
Date achieved compliance: 07/07/2000
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 08/30/1999
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: Generators - General
Date violation determined: 08/30/1999
Date achieved compliance: 07/07/2000
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 08/30/1999

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

DETROIT STEEL COMPANY (Continued)

1000343542

Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: Generators - Manifest
Date violation determined: 08/27/1998
Date achieved compliance: 10/20/1998
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 08/27/1998
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: Generators - Pre-transport
Date violation determined: 08/27/1998
Date achieved compliance: 10/20/1998
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 08/27/1998
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: Generators - Pre-transport
Date violation determined: 09/25/1996
Date achieved compliance: 08/20/1998
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 09/25/1996
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: Generators - Pre-transport
Date violation determined: 09/25/1996
Date achieved compliance: 08/20/1998
Violation lead agency: State
Enforcement action: FINAL 3008(A) COMPLIANCE ORDER
Enforcement action date: 08/20/1998
Enf. disposition status: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

DETROIT STEEL COMPANY (Continued)

1000343542

Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: 30000
Paid penalty amount: 30000

Regulation violated: Not reported
Area of violation: Generators - Manifest
Date violation determined: 09/25/1996
Date achieved compliance: 08/20/1998
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 09/25/1996
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: Generators - Manifest
Date violation determined: 09/25/1996
Date achieved compliance: 08/20/1998
Violation lead agency: State
Enforcement action: FINAL 3008(A) COMPLIANCE ORDER
Enforcement action date: 08/20/1998
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: 30000
Paid penalty amount: 30000

Regulation violated: Not reported
Area of violation: TSD - Closure/Post-Closure
Date violation determined: 09/21/1994
Date achieved compliance: 08/20/1998
Violation lead agency: State
Enforcement action: FINAL 3008(H) I.S. CA ORDER
Enforcement action date: 12/24/1999
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: 44758
Paid penalty amount: 44758

Regulation violated: Not reported
Area of violation: TSD - General
Date violation determined: 09/21/1994
Date achieved compliance: 08/20/1998
Violation lead agency: State
Enforcement action: FINAL 3008(A) COMPLIANCE ORDER
Enforcement action date: 08/20/1998
Enf. disposition status: Not reported
Enf. disp. status date: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

DETROIT STEEL COMPANY (Continued)

1000343542

Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: 30000
Paid penalty amount: 30000

Regulation violated: Not reported
Area of violation: TSD - General
Date violation determined: 09/21/1994
Date achieved compliance: 08/20/1998
Violation lead agency: State
Enforcement action: FINAL 3008(H) I.S. CA ORDER
Enforcement action date: 12/24/1999
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: 44758
Paid penalty amount: 44758

Regulation violated: Not reported
Area of violation: TSD - Closure/Post-Closure
Date violation determined: 09/21/1994
Date achieved compliance: 08/20/1998
Violation lead agency: State
Enforcement action: FINAL 3008(A) COMPLIANCE ORDER
Enforcement action date: 08/20/1998
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: 30000
Paid penalty amount: 30000

Regulation violated: Not reported
Area of violation: TSD - General
Date violation determined: 09/21/1994
Date achieved compliance: 08/20/1998
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 09/21/1994
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: Generators - General
Date violation determined: 09/21/1994
Date achieved compliance: 08/20/1998
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 09/21/1994
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

DETROIT STEEL COMPANY (Continued)

1000343542

Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: Generators - General
Date violation determined: 09/21/1994
Date achieved compliance: 08/20/1998
Violation lead agency: State
Enforcement action: FINAL 3008(A) COMPLIANCE ORDER
Enforcement action date: 08/20/1998
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: 30000
Paid penalty amount: 30000

Regulation violated: Not reported
Area of violation: TSD - Closure/Post-Closure
Date violation determined: 09/21/1994
Date achieved compliance: 08/20/1998
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 09/21/1994
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: TSD - Financial Requirements
Date violation determined: 09/19/1994
Date achieved compliance: 08/20/1998
Violation lead agency: State
Enforcement action: FINAL 3008(A) COMPLIANCE ORDER
Enforcement action date: 08/20/1998
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: 30000
Paid penalty amount: 30000

Regulation violated: Not reported
Area of violation: TSD - Financial Requirements
Date violation determined: 09/19/1994
Date achieved compliance: 08/20/1998
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 09/19/1994
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

DETROIT STEEL COMPANY (Continued)

1000343542

Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: TSD - Closure/Post-Closure
Date violation determined: 01/13/1994
Date achieved compliance: 03/07/2005
Violation lead agency: EPA
Enforcement action: Not reported
Enforcement action date: Not reported
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: Not reported
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: TSD - Manifest/Records/Reporting
Date violation determined: 01/13/1994
Date achieved compliance: 03/07/2005
Violation lead agency: EPA
Enforcement action: Not reported
Enforcement action date: Not reported
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: Not reported
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: LDR - General
Date violation determined: 08/06/1993
Date achieved compliance: 08/20/1998
Violation lead agency: State
Enforcement action: FINAL 3008(A) COMPLIANCE ORDER
Enforcement action date: 08/20/1998
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: 30000
Paid penalty amount: 30000

Regulation violated: Not reported
Area of violation: Generators - Manifest
Date violation determined: 08/06/1993
Date achieved compliance: 08/20/1998
Violation lead agency: State
Enforcement action: FINAL 3008(A) COMPLIANCE ORDER
Enforcement action date: 08/20/1998
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: 30000

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

DETROIT STEEL COMPANY (Continued)

1000343542

Paid penalty amount: 30000

Regulation violated: Not reported
Area of violation: Generators - General
Date violation determined: 08/06/1993
Date achieved compliance: 08/20/1998
Violation lead agency: State
Enforcement action: FINAL 3008(A) COMPLIANCE ORDER
Enforcement action date: 08/20/1998
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: 30000
Paid penalty amount: 30000

Regulation violated: Not reported
Area of violation: Generators - Manifest
Date violation determined: 08/06/1993
Date achieved compliance: 08/20/1998
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 08/06/1993
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: Generators - General
Date violation determined: 08/06/1993
Date achieved compliance: 08/20/1998
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 08/06/1993
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: LDR - General
Date violation determined: 08/06/1993
Date achieved compliance: 08/20/1998
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 08/06/1993
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

DETROIT STEEL COMPANY (Continued)

1000343542

Regulation violated: Not reported
Area of violation: TSD - Closure/Post-Closure
Date violation determined: 09/27/1992
Date achieved compliance: 08/20/1998
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 09/27/1993
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: LDR - General
Date violation determined: 09/27/1992
Date achieved compliance: 10/26/1992
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 09/27/1993
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: Generators - General
Date violation determined: 09/27/1992
Date achieved compliance: 08/20/1998
Violation lead agency: State
Enforcement action: FINAL 3008(A) COMPLIANCE ORDER
Enforcement action date: 08/20/1998
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: 30000
Paid penalty amount: 30000

Regulation violated: Not reported
Area of violation: Generators - Manifest
Date violation determined: 09/27/1992
Date achieved compliance: 08/20/1998
Violation lead agency: State
Enforcement action: FINAL 3008(A) COMPLIANCE ORDER
Enforcement action date: 08/20/1998
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: 30000
Paid penalty amount: 30000

Regulation violated: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

DETROIT STEEL COMPANY (Continued)

1000343542

Area of violation: TSD - General
Date violation determined: 09/27/1992
Date achieved compliance: 08/20/1998
Violation lead agency: State
Enforcement action: FINAL 3008(A) COMPLIANCE ORDER
Enforcement action date: 08/20/1998
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: 30000
Paid penalty amount: 30000

Regulation violated: Not reported
Area of violation: Generators - General
Date violation determined: 09/27/1992
Date achieved compliance: 08/20/1998
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 09/27/1993
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: TSD - General
Date violation determined: 09/27/1992
Date achieved compliance: 08/20/1998
Violation lead agency: State
Enforcement action: FINAL 3008(H) I.S. CA ORDER
Enforcement action date: 12/24/1999
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: 44758
Paid penalty amount: 44758

Regulation violated: Not reported
Area of violation: Generators - Manifest
Date violation determined: 09/27/1992
Date achieved compliance: 08/20/1998
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 09/27/1993
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: TSD - Closure/Post-Closure

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

DETROIT STEEL COMPANY (Continued)

1000343542

Date violation determined: 09/27/1992
Date achieved compliance: 08/20/1998
Violation lead agency: State
Enforcement action: FINAL 3008(A) COMPLIANCE ORDER
Enforcement action date: 08/20/1998
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: 30000
Paid penalty amount: 30000

Regulation violated: Not reported
Area of violation: TSD - General
Date violation determined: 09/27/1992
Date achieved compliance: 08/20/1998
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 09/27/1993
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: TSD - Closure/Post-Closure
Date violation determined: 09/27/1992
Date achieved compliance: 08/20/1998
Violation lead agency: State
Enforcement action: FINAL 3008(H) I.S. CA ORDER
Enforcement action date: 12/24/1999
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: 44758
Paid penalty amount: 44758

Regulation violated: Not reported
Area of violation: TSD - Financial Requirements
Date violation determined: 09/23/1992
Date achieved compliance: 08/20/1998
Violation lead agency: State
Enforcement action: FINAL 3008(A) COMPLIANCE ORDER
Enforcement action date: 08/20/1998
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: 30000
Paid penalty amount: 30000

Regulation violated: Not reported
Area of violation: TSD - Financial Requirements
Date violation determined: 09/23/1992

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

DETROIT STEEL COMPANY (Continued)

1000343542

Date achieved compliance: 08/20/1998
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 09/23/1992
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: TSD - Financial Requirements
Date violation determined: 09/10/1991
Date achieved compliance: 11/12/1991
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 09/10/1991
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: TSD - Manifest/Records/Reporting
Date violation determined: 08/28/1991
Date achieved compliance: 08/20/1998
Violation lead agency: State
Enforcement action: FINAL 3008(A) COMPLIANCE ORDER
Enforcement action date: 08/20/1998
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: 30000
Paid penalty amount: 30000

Regulation violated: Not reported
Area of violation: TSD - Manifest/Records/Reporting
Date violation determined: 08/28/1991
Date achieved compliance: 08/20/1998
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 09/10/1991
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: TSD - General
Date violation determined: 08/28/1991
Date achieved compliance: 08/20/1998

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

DETROIT STEEL COMPANY (Continued)

1000343542

Violation lead agency: State
Enforcement action: FINAL 3008(H) I.S. CA ORDER
Enforcement action date: 12/24/1999
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: 44758
Paid penalty amount: 44758

Regulation violated: Not reported
Area of violation: TSD - Contingency Plan and Emergency Procedures
Date violation determined: 08/28/1991
Date achieved compliance: 08/20/1998
Violation lead agency: State
Enforcement action: FINAL 3008(A) COMPLIANCE ORDER
Enforcement action date: 08/20/1998
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: 30000
Paid penalty amount: 30000

Regulation violated: Not reported
Area of violation: TSD - General
Date violation determined: 08/28/1991
Date achieved compliance: 08/20/1998
Violation lead agency: State
Enforcement action: FINAL 3008(A) COMPLIANCE ORDER
Enforcement action date: 08/20/1998
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: 30000
Paid penalty amount: 30000

Regulation violated: Not reported
Area of violation: LDR - General
Date violation determined: 08/28/1991
Date achieved compliance: 08/20/1998
Violation lead agency: State
Enforcement action: FINAL 3008(H) I.S. CA ORDER
Enforcement action date: 12/24/1999
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: 44758
Paid penalty amount: 44758

Regulation violated: Not reported
Area of violation: LDR - General
Date violation determined: 08/28/1991
Date achieved compliance: 08/20/1998
Violation lead agency: State

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

DETROIT STEEL COMPANY (Continued)

1000343542

Enforcement action: WRITTEN INFORMAL
Enforcement action date: 09/10/1991
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: TSD - General
Date violation determined: 08/28/1991
Date achieved compliance: 08/20/1998
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 09/10/1991
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: LDR - General
Date violation determined: 08/28/1991
Date achieved compliance: 08/20/1998
Violation lead agency: State
Enforcement action: FINAL 3008(A) COMPLIANCE ORDER
Enforcement action date: 08/20/1998
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: 30000
Paid penalty amount: 30000

Regulation violated: Not reported
Area of violation: TSD - Contingency Plan and Emergency Procedures
Date violation determined: 08/28/1991
Date achieved compliance: 08/20/1998
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 09/10/1991
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: TSD - General
Date violation determined: 08/28/1990
Date achieved compliance: 10/10/1990
Violation lead agency: State
Enforcement action: FINAL 3008(H) I.S. CA ORDER

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

DETROIT STEEL COMPANY (Continued)

1000343542

Enforcement action date: 12/24/1999
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: 44758
Paid penalty amount: 44758

Regulation violated: Not reported
Area of violation: TSD - General
Date violation determined: 08/28/1990
Date achieved compliance: 10/10/1990
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 09/12/1990
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: TSD - General
Date violation determined: 08/24/1989
Date achieved compliance: 10/26/1989
Violation lead agency: State
Enforcement action: FINAL 3008(H) I.S. CA ORDER
Enforcement action date: 12/24/1999
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: 44758
Paid penalty amount: 44758

Regulation violated: Not reported
Area of violation: TSD - Financial Requirements
Date violation determined: 08/24/1989
Date achieved compliance: 11/12/1991
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 08/29/1989
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: LDR - General
Date violation determined: 08/24/1989
Date achieved compliance: 10/26/1989
Violation lead agency: State
Enforcement action: FINAL 3008(H) I.S. CA ORDER
Enforcement action date: 12/24/1999

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

DETROIT STEEL COMPANY (Continued)

1000343542

Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: 44758
Paid penalty amount: 44758

Regulation violated: Not reported
Area of violation: TSD - Financial Requirements
Date violation determined: 08/24/1989
Date achieved compliance: 11/12/1991
Violation lead agency: State
Enforcement action: FINAL 3008(A) COMPLIANCE ORDER
Enforcement action date: 08/20/1998
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: 30000
Paid penalty amount: 30000

Regulation violated: Not reported
Area of violation: TSD - General
Date violation determined: 08/24/1989
Date achieved compliance: 10/26/1989
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 08/29/1989
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: LDR - General
Date violation determined: 08/24/1989
Date achieved compliance: 10/26/1989
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 08/29/1989
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: TSD - General
Date violation determined: 09/13/1988
Date achieved compliance: 12/15/1988
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 09/20/1988
Enf. disposition status: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

DETROIT STEEL COMPANY (Continued)

1000343542

Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: TSD - General
Date violation determined: 09/13/1988
Date achieved compliance: 12/15/1988
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 10/24/1988
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: TSD - General
Date violation determined: 09/13/1988
Date achieved compliance: 12/15/1988
Violation lead agency: State
Enforcement action: FINAL 3008(H) I.S. CA ORDER
Enforcement action date: 12/24/1999
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: 44758
Paid penalty amount: 44758

Regulation violated: Not reported
Area of violation: TSD - General
Date violation determined: 08/25/1987
Date achieved compliance: 10/02/1987
Violation lead agency: State
Enforcement action: FINAL 3008(H) I.S. CA ORDER
Enforcement action date: 12/24/1999
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: 44758
Paid penalty amount: 44758

Regulation violated: Not reported
Area of violation: TSD - General
Date violation determined: 08/25/1987
Date achieved compliance: 10/02/1987
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 09/15/1987
Enf. disposition status: Not reported
Enf. disp. status date: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

DETROIT STEEL COMPANY (Continued)

1000343542

Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: TSD - General
Date violation determined: 12/18/1984
Date achieved compliance: 04/30/1985
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 01/31/1985
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: TSD - General
Date violation determined: 12/18/1984
Date achieved compliance: 04/30/1985
Violation lead agency: State
Enforcement action: FINAL 3008(H) I.S. CA ORDER
Enforcement action date: 12/24/1999
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: 44758
Paid penalty amount: 44758

Evaluation Action Summary:
Evaluation date: 11/26/2012
Evaluation: NON-FINANCIAL RECORD REVIEW
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: EPA

Evaluation date: 01/26/2010
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: EPA

Evaluation date: 12/14/2009
Evaluation: FINANCIAL RECORD REVIEW
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 01/30/2006
Evaluation: NON-FINANCIAL RECORD REVIEW
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

DETROIT STEEL COMPANY (Continued)

1000343542

Evaluation date: 09/27/2005
Evaluation: CORRECTIVE ACTION COMPLIANCE EVALUATION
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 09/13/2005
Evaluation: FOCUSED COMPLIANCE INSPECTION
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 06/30/2004
Evaluation: FOCUSED COMPLIANCE INSPECTION
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: EPA

Evaluation date: 12/18/2001
Evaluation: NON-FINANCIAL RECORD REVIEW
Area of violation: Permits - Conditions
Date achieved compliance: 03/01/2002
Evaluation lead agency: State

Evaluation date: 06/22/2001
Evaluation: NON-FINANCIAL RECORD REVIEW
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 03/09/2001
Evaluation: NON-FINANCIAL RECORD REVIEW
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 12/17/2000
Evaluation: NON-FINANCIAL RECORD REVIEW
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 12/07/2000
Evaluation: NON-FINANCIAL RECORD REVIEW
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 09/14/2000
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Generators - Pre-transport
Date achieved compliance: 04/16/2001
Evaluation lead agency: State

Evaluation date: 09/14/2000
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Generators - General

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

DETROIT STEEL COMPANY (Continued)

1000343542

Date achieved compliance: 04/16/2001
Evaluation lead agency: State

Evaluation date: 09/14/2000
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Universal Waste - Small Quantity Handlers
Date achieved compliance: 04/16/2001
Evaluation lead agency: State

Evaluation date: 05/31/2000
Evaluation: CORRECTIVE ACTION COMPLIANCE EVALUATION
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 08/23/1999
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Generators - Pre-transport
Date achieved compliance: 07/07/2000
Evaluation lead agency: State

Evaluation date: 08/23/1999
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Generators - General
Date achieved compliance: 07/07/2000
Evaluation lead agency: State

Evaluation date: 08/19/1998
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Generators - Manifest
Date achieved compliance: 10/20/1998
Evaluation lead agency: State

Evaluation date: 08/19/1998
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Generators - Pre-transport
Date achieved compliance: 10/20/1998
Evaluation lead agency: State

Evaluation date: 02/11/1998
Evaluation: NON-FINANCIAL RECORD REVIEW
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 01/09/1998
Evaluation: NON-FINANCIAL RECORD REVIEW
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 09/05/1997
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

DETROIT STEEL COMPANY (Continued)

1000343542

Evaluation date: 09/23/1996
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Generators - Manifest
Date achieved compliance: 08/20/1998
Evaluation lead agency: State

Evaluation date: 09/23/1996
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Generators - Pre-transport
Date achieved compliance: 08/20/1998
Evaluation lead agency: State

Evaluation date: 09/19/1994
Evaluation: FINANCIAL RECORD REVIEW
Area of violation: TSD - Financial Requirements
Date achieved compliance: 08/20/1998
Evaluation lead agency: State

Evaluation date: 09/12/1994
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Generators - General
Date achieved compliance: 08/20/1998
Evaluation lead agency: State

Evaluation date: 09/12/1994
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: TSD - General
Date achieved compliance: 08/20/1998
Evaluation lead agency: State

Evaluation date: 09/12/1994
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: TSD - Closure/Post-Closure
Date achieved compliance: 08/20/1998
Evaluation lead agency: State

Evaluation date: 07/19/1993
Evaluation: FINANCIAL RECORD REVIEW
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 07/15/1993
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Generators - General
Date achieved compliance: 08/20/1998
Evaluation lead agency: State

Evaluation date: 07/15/1993
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: LDR - General
Date achieved compliance: 08/20/1998
Evaluation lead agency: State

Evaluation date: 07/15/1993
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Generators - Manifest

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

DETROIT STEEL COMPANY (Continued)

1000343542

Date achieved compliance: 08/20/1998
Evaluation lead agency: State

Evaluation date: 07/14/1993
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: TSD - Closure/Post-Closure
Date achieved compliance: 03/07/2005
Evaluation lead agency: EPA

Evaluation date: 07/14/1993
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: TSD - Manifest/Records/Reporting
Date achieved compliance: 03/07/2005
Evaluation lead agency: EPA

Evaluation date: 09/23/1992
Evaluation: FINANCIAL RECORD REVIEW
Area of violation: TSD - Financial Requirements
Date achieved compliance: 08/20/1998
Evaluation lead agency: State

Evaluation date: 09/17/1992
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Generators - Manifest
Date achieved compliance: 08/20/1998
Evaluation lead agency: State

Evaluation date: 09/17/1992
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Generators - General
Date achieved compliance: 08/20/1998
Evaluation lead agency: State

Evaluation date: 09/17/1992
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: TSD - General
Date achieved compliance: 08/20/1998
Evaluation lead agency: State

Evaluation date: 09/17/1992
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: TSD - Closure/Post-Closure
Date achieved compliance: 08/20/1998
Evaluation lead agency: State

Evaluation date: 09/17/1992
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: LDR - General
Date achieved compliance: 10/26/1992
Evaluation lead agency: State

Evaluation date: 09/10/1991
Evaluation: FINANCIAL RECORD REVIEW
Area of violation: TSD - Financial Requirements
Date achieved compliance: 11/12/1991
Evaluation lead agency: State

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

DETROIT STEEL COMPANY (Continued)

1000343542

Evaluation date: 08/28/1991
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: TSD - Manifest/Records/Reporting
Date achieved compliance: 08/20/1998
Evaluation lead agency: State

Evaluation date: 08/28/1991
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: TSD - Contingency Plan and Emergency Procedures
Date achieved compliance: 08/20/1998
Evaluation lead agency: State

Evaluation date: 08/28/1991
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: TSD - General
Date achieved compliance: 08/20/1998
Evaluation lead agency: State

Evaluation date: 08/28/1991
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: LDR - General
Date achieved compliance: 08/20/1998
Evaluation lead agency: State

Evaluation date: 08/29/1990
Evaluation: FINANCIAL RECORD REVIEW
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 08/28/1990
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: TSD - General
Date achieved compliance: 10/10/1990
Evaluation lead agency: State

Evaluation date: 08/24/1989
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: LDR - General
Date achieved compliance: 10/26/1989
Evaluation lead agency: State

Evaluation date: 08/24/1989
Evaluation: FINANCIAL RECORD REVIEW
Area of violation: TSD - Financial Requirements
Date achieved compliance: 11/12/1991
Evaluation lead agency: State

Evaluation date: 08/24/1989
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: TSD - General
Date achieved compliance: 10/26/1989
Evaluation lead agency: State

Evaluation date: 09/13/1988
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: TSD - General

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

DETROIT STEEL COMPANY (Continued)

1000343542

Date achieved compliance: 12/15/1988
Evaluation lead agency: State

Evaluation date: 08/25/1987
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: TSD - General
Date achieved compliance: 10/02/1987
Evaluation lead agency: State

Evaluation date: 12/18/1984
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: TSD - General
Date achieved compliance: 04/30/1985
Evaluation lead agency: State

2020 COR ACTION:

EPA ID: MID017422304
Region: 5
Action: Not reported

PADS:

EPAID: MID017422304
Facility name: DSC, LTD TRENTON PLANT
Facility Address: 1491 W JEFFERSON
TRENTON, MI 48183
Facility country: US
Generator: Yes
Storer: No
Transporter: No
Disposer: No
Research facility: No
Smelter: No
Facility owner name: DSC, LTD
Contact title: Not reported
Contact name: DENNIS ZURAKOWSKI
Contact tel: (734)246-4135
Contact extension: Not reported
Mailing address: 1491 W JEFFERSON
TRENTON, MI 48183
Mailing country: US
Cert. title: Not reported
Cert. name: Not reported
Cert. date: 11/14/1996
Date received: 12/30/1996

ICIS:

Enforcement Action ID: MI000A0000261630026500087
FRS ID: 110000406285
Action Name: DETROIT STEEL CO TRENTON 261630026500087
Facility Name: DETROIT STEEL CO TRENTON
Facility Address: 1491 W JEFFERSON AVE
TRENTON, MI 48183
Enforcement Action Type: Notice of Violation
Facility County: WAYNE
Program System Acronym: AIR
Enforcement Action Forum Desc: Administrative - Informal
EA Type Code: NOV

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

DETROIT STEEL COMPANY (Continued)

1000343542

Facility SIC Code: Not reported
Federal Facility ID: Not reported
Latitude in Decimal Degrees: 42.158
Longitude in Decimal Degrees: -83.1704
Permit Type Desc: Not reported
Program System Acronym: MI000000000000B2116
Facility NAICS Code: 331110
Tribal Land Code: Not reported

Enforcement Action ID: MI000A0000261630026500086
FRS ID: 110000406285
Action Name: DETROIT STEEL CO TRENTON 261630026500086
Facility Name: DETROIT STEEL CO TRENTON
Facility Address: 1491 W JEFFERSON AVE
TRENTON, MI 48183

Enforcement Action Type: Notice of Violation
Facility County: WAYNE
Program System Acronym: AIR
Enforcement Action Forum Desc: Administrative - Informal
EA Type Code: NOV
Facility SIC Code: Not reported
Federal Facility ID: Not reported
Latitude in Decimal Degrees: 42.158
Longitude in Decimal Degrees: -83.1704
Permit Type Desc: Not reported
Program System Acronym: MI000000000000B2116
Facility NAICS Code: 331110
Tribal Land Code: Not reported

Enforcement Action ID: MI000A0000261630026500080
FRS ID: 110000406285
Action Name: DETROIT STEEL CO TRENTON 261630026500080
Facility Name: DETROIT STEEL CO TRENTON
Facility Address: 1491 W JEFFERSON AVE
TRENTON, MI 48183

Enforcement Action Type: Notice of Violation
Facility County: WAYNE
Program System Acronym: AIR
Enforcement Action Forum Desc: Administrative - Informal
EA Type Code: NOV
Facility SIC Code: Not reported
Federal Facility ID: Not reported
Latitude in Decimal Degrees: 42.158
Longitude in Decimal Degrees: -83.1704
Permit Type Desc: Not reported
Program System Acronym: MI000000000000B2116
Facility NAICS Code: 331110
Tribal Land Code: Not reported

Enforcement Action ID: MI000A0000261630026500077
FRS ID: 110000406285
Action Name: DETROIT STEEL CO TRENTON 261630026500077
Facility Name: DETROIT STEEL CO TRENTON
Facility Address: 1491 W JEFFERSON AVE
TRENTON, MI 48183

Enforcement Action Type: Notice of Violation
Facility County: WAYNE

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

DETROIT STEEL COMPANY (Continued)

1000343542

Program System Acronym: AIR
Enforcement Action Forum Desc: Administrative - Informal
EA Type Code: NOV
Facility SIC Code: Not reported
Federal Facility ID: Not reported
Latitude in Decimal Degrees: 42.158
Longitude in Decimal Degrees: -83.1704
Permit Type Desc: Not reported
Program System Acronym: MI000000000000B2116
Facility NAICS Code: 331110
Tribal Land Code: Not reported

Enforcement Action ID: MI000A0000261630026500035
FRS ID: 110000406285
Action Name: DETROIT STEEL CO TRENTON 261630026500035
Facility Name: DETROIT STEEL CO TRENTON
Facility Address: 1491 W JEFFERSON AVE
TRENTON, MI 48183

Enforcement Action Type: Notice of Violation
Facility County: WAYNE
Program System Acronym: AIR
Enforcement Action Forum Desc: Administrative - Informal
EA Type Code: NOV
Facility SIC Code: Not reported
Federal Facility ID: Not reported
Latitude in Decimal Degrees: 42.158
Longitude in Decimal Degrees: -83.1704
Permit Type Desc: Not reported
Program System Acronym: MI000000000000B2116
Facility NAICS Code: 331110
Tribal Land Code: Not reported

Enforcement Action ID: MI000A0000261630026500030
FRS ID: 110000406285
Action Name: DETROIT STEEL CO TRENTON 261630026500030
Facility Name: DETROIT STEEL CO TRENTON
Facility Address: 1491 W JEFFERSON AVE
TRENTON, MI 48183

Enforcement Action Type: Notice of Violation
Facility County: WAYNE
Program System Acronym: AIR
Enforcement Action Forum Desc: Administrative - Informal
EA Type Code: NOV
Facility SIC Code: Not reported
Federal Facility ID: Not reported
Latitude in Decimal Degrees: 42.158
Longitude in Decimal Degrees: -83.1704
Permit Type Desc: Not reported
Program System Acronym: MI000000000000B2116
Facility NAICS Code: 331110
Tribal Land Code: Not reported

Enforcement Action ID: MI000A0000261630026500029
FRS ID: 110000406285
Action Name: DETROIT STEEL CO TRENTON 261630026500029
Facility Name: DETROIT STEEL CO TRENTON
Facility Address: 1491 W JEFFERSON AVE

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

DETROIT STEEL COMPANY (Continued)

1000343542

Enforcement Action Type: TRENTON, MI 48183
Notice of Violation
Facility County: WAYNE
Program System Acronym: AIR
Enforcement Action Forum Desc: Administrative - Informal
EA Type Code: NOV
Facility SIC Code: Not reported
Federal Facility ID: Not reported
Latitude in Decimal Degrees: 42.158
Longitude in Decimal Degrees: -83.1704
Permit Type Desc: Not reported
Program System Acronym: MI000000000000B2116
Facility NAICS Code: 331110
Tribal Land Code: Not reported

Enforcement Action ID: MI000A0000261630026500028
FRS ID: 110000406285
Action Name: DETROIT STEEL CO TRENTON 261630026500028
Facility Name: DETROIT STEEL CO TRENTON
Facility Address: 1491 W JEFFERSON AVE
TRENTON, MI 48183

Enforcement Action Type: Notice of Violation
Facility County: WAYNE
Program System Acronym: AIR
Enforcement Action Forum Desc: Administrative - Informal
EA Type Code: NOV
Facility SIC Code: Not reported
Federal Facility ID: Not reported
Latitude in Decimal Degrees: 42.158
Longitude in Decimal Degrees: -83.1704
Permit Type Desc: Not reported
Program System Acronym: MI000000000000B2116
Facility NAICS Code: 331110
Tribal Land Code: Not reported

Enforcement Action ID: MI000A0000261630026500027
FRS ID: 110000406285
Action Name: DETROIT STEEL CO TRENTON 261630026500027
Facility Name: DETROIT STEEL CO TRENTON
Facility Address: 1491 W JEFFERSON AVE
TRENTON, MI 48183

Enforcement Action Type: Notice of Violation
Facility County: WAYNE
Program System Acronym: AIR
Enforcement Action Forum Desc: Administrative - Informal
EA Type Code: NOV
Facility SIC Code: Not reported
Federal Facility ID: Not reported
Latitude in Decimal Degrees: 42.158
Longitude in Decimal Degrees: -83.1704
Permit Type Desc: Not reported
Program System Acronym: MI000000000000B2116
Facility NAICS Code: 331110
Tribal Land Code: Not reported

Enforcement Action ID: MI000A0000261630026500026
FRS ID: 110000406285

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

DETROIT STEEL COMPANY (Continued)

1000343542

Action Name: DETROIT STEEL CO TRENTON 261630026500026
Facility Name: DETROIT STEEL CO TRENTON
Facility Address: 1491 W JEFFERSON AVE
TRENTON, MI 48183
Enforcement Action Type: Notice of Violation
Facility County: WAYNE
Program System Acronym: AIR
Enforcement Action Forum Desc: Administrative - Informal
EA Type Code: NOV
Facility SIC Code: Not reported
Federal Facility ID: Not reported
Latitude in Decimal Degrees: 42.158
Longitude in Decimal Degrees: -83.1704
Permit Type Desc: Not reported
Program System Acronym: MI000000000000B2116
Facility NAICS Code: 331110
Tribal Land Code: Not reported

Enforcement Action ID: 05-1998-A039
FRS ID: 110000406285
Action Name: DETROIT STEEL CO TRENTON 261630026500056
Facility Name: DETROIT STEEL CO TRENTON
Facility Address: 1491 W JEFFERSON AVE
TRENTON, MI 48183
Enforcement Action Type: Civil Judicial Action
Facility County: WAYNE
Program System Acronym: AIR
Enforcement Action Forum Desc: Judicial
EA Type Code: CIV
Facility SIC Code: Not reported
Federal Facility ID: Not reported
Latitude in Decimal Degrees: 42.158
Longitude in Decimal Degrees: -83.1704
Permit Type Desc: Not reported
Program System Acronym: MI000000000000B2116
Facility NAICS Code: 331110
Tribal Land Code: Not reported

Enforcement Action ID: 05-1998-A038
FRS ID: 110000406285
Action Name: DETROIT STEEL CO TRENTON 261630026500052
Facility Name: DETROIT STEEL CO TRENTON
Facility Address: 1491 W JEFFERSON AVE
TRENTON, MI 48183
Enforcement Action Type: CAA 113D1 Action For Penalty
Facility County: WAYNE
Program System Acronym: AIR
Enforcement Action Forum Desc: Administrative - Formal
EA Type Code: 113D1
Facility SIC Code: Not reported
Federal Facility ID: Not reported
Latitude in Decimal Degrees: 42.158
Longitude in Decimal Degrees: -83.1704
Permit Type Desc: Not reported
Program System Acronym: MI000000000000B2116
Facility NAICS Code: 331110
Tribal Land Code: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

DETROIT STEEL COMPANY (Continued)

1000343542

Enforcement Action ID: 05-1997-A025
FRS ID: 110000406285
Action Name: DETROIT STEEL CO TRENTON 261630026500050
Facility Name: DETROIT STEEL CO TRENTON
Facility Address: 1491 W JEFFERSON AVE
TRENTON, MI 48183
Enforcement Action Type: CAA 113D1 Action For Penalty
Facility County: WAYNE
Program System Acronym: AIR
Enforcement Action Forum Desc: Administrative - Formal
EA Type Code: 113D1
Facility SIC Code: Not reported
Federal Facility ID: Not reported
Latitude in Decimal Degrees: 42.158
Longitude in Decimal Degrees: -83.1704
Permit Type Desc: Not reported
Program System Acronym: MI00000000000B2116
Facility NAICS Code: 331110
Tribal Land Code: Not reported

Enforcement Action ID: 05-1994-A043
FRS ID: 110000406285
Action Name: DETROIT STEEL CO TRENTON 261630026500049
Facility Name: DETROIT STEEL CO TRENTON
Facility Address: 1491 W JEFFERSON AVE
TRENTON, MI 48183
Enforcement Action Type: CAA 113D1 Action For Penalty
Facility County: WAYNE
Program System Acronym: AIR
Enforcement Action Forum Desc: Administrative - Formal
EA Type Code: 113D1
Facility SIC Code: Not reported
Federal Facility ID: Not reported
Latitude in Decimal Degrees: 42.158
Longitude in Decimal Degrees: -83.1704
Permit Type Desc: Not reported
Program System Acronym: MI00000000000B2116
Facility NAICS Code: 331110
Tribal Land Code: Not reported

Enforcement Action ID: 05-000F000261630026500046
FRS ID: 110000406285
Action Name: DETROIT STEEL CO TRENTON 261630026500046
Facility Name: DETROIT STEEL CO TRENTON
Facility Address: 1491 W JEFFERSON AVE
TRENTON, MI 48183
Enforcement Action Type: Notice of Violation
Facility County: WAYNE
Program System Acronym: AIR
Enforcement Action Forum Desc: Administrative - Informal
EA Type Code: NOV
Facility SIC Code: Not reported
Federal Facility ID: Not reported
Latitude in Decimal Degrees: 42.158
Longitude in Decimal Degrees: -83.1704
Permit Type Desc: Not reported
Program System Acronym: MI00000000000B2116

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

DETROIT STEEL COMPANY (Continued)

1000343542

Facility NAICS Code: 331110
Tribal Land Code: Not reported

Enforcement Action ID: 05-000F000261630026500045
FRS ID: 110000406285
Action Name: DETROIT STEEL CO TRENTON 261630026500045
Facility Name: DETROIT STEEL CO TRENTON
Facility Address: 1491 W JEFFERSON AVE
TRENTON, MI 48183

Enforcement Action Type: Notice of Violation
Facility County: WAYNE
Program System Acronym: AIR
Enforcement Action Forum Desc: Administrative - Informal
EA Type Code: NOV
Facility SIC Code: Not reported
Federal Facility ID: Not reported
Latitude in Decimal Degrees: 42.158
Longitude in Decimal Degrees: -83.1704
Permit Type Desc: Not reported
Program System Acronym: MI000000000000B2116
Facility NAICS Code: 331110
Tribal Land Code: Not reported

Enforcement Action ID: 05-000F000261630026500041
FRS ID: 110000406285
Action Name: DETROIT STEEL CO TRENTON 261630026500041
Facility Name: DETROIT STEEL CO TRENTON
Facility Address: 1491 W JEFFERSON AVE
TRENTON, MI 48183

Enforcement Action Type: Notice of Violation
Facility County: WAYNE
Program System Acronym: AIR
Enforcement Action Forum Desc: Administrative - Informal
EA Type Code: NOV
Facility SIC Code: Not reported
Federal Facility ID: Not reported
Latitude in Decimal Degrees: 42.158
Longitude in Decimal Degrees: -83.1704
Permit Type Desc: Not reported
Program System Acronym: MI000000000000B2116
Facility NAICS Code: 331110
Tribal Land Code: Not reported

US AIRS (AFS):
Envid: 1000343542
Region Code: 05
County Code: MI163
Programmatic ID: AIR MI000000000000B2116
Facility Registry ID: 110000406285
D and B Number: Not reported
Facility Site Name: DETROIT STEEL CO TRENTON
Primary SIC Code: Not reported
NAICS Code: 331110
Default Air Classification Code: MAJ
Facility Type of Ownership Code: Not reported
Air CMS Category Code: TVM

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

DETROIT STEEL COMPANY (Continued)

1000343542

HPV Status: Not reported

US AIRS (AFS):

Region Code: 05
Programmatic ID: AIR MI000000000000B2116
Facility Registry ID: 110000406285
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: MACT Standards (40 CFR Part 63)
Activity Date: Not reported
Activity Status Date: 2014-10-19 00:00:00
Activity Group: Case File
Activity Type: Case File
Activity Status: Case File Data Entered

Region Code: 05
Programmatic ID: AIR MI000000000000B2116
Facility Registry ID: 110000406285
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: MACT Standards (40 CFR Part 63)
Activity Date: 2016-07-14 00:00:00
Activity Status Date: 2016-09-08 14:59:29
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Active

Region Code: 05
Programmatic ID: AIR MI000000000000B2116
Facility Registry ID: 110000406285
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: MACT Standards (40 CFR Part 63)
Activity Date: 2014-06-24 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 MI000000000000B2116
Facility Registry ID: 110000406285
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: National Emission Standards for Hazardous Air Pollutants (40 CFR Part 61)
Activity Date: Not reported
Activity Status Date: 2014-10-19 00:00:00
Activity Group: Case File
Activity Type: Case File
Activity Status: Case File Data Entered

Region Code: 05
Programmatic ID: AIR MI000000000000B2116
Facility Registry ID: 110000406285
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: National Emission Standards for Hazardous Air Pollutants (40 CFR Part 61)
Activity Date: 2016-07-14 00:00:00

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

DETROIT STEEL COMPANY (Continued)

1000343542

Activity Status Date: 2016-09-08 14:59:29
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Active

Region Code: 05
Programmatic ID: AIR MI000000000000B2116
Facility Registry ID: 110000406285
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: National Emission Standards for Hazardous Air Pollutants (40 CFR Part 61)
Activity Date: 2012-08-23 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 MI000000000000B2116
Facility Registry ID: 110000406285
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: National Emission Standards for Hazardous Air Pollutants (40 CFR Part 61)
Activity Date: 2012-09-26 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 MI000000000000B2116
Facility Registry ID: 110000406285
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: National Emission Standards for Hazardous Air Pollutants (40 CFR Part 61)
Activity Date: 2014-06-24 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 MI000000000000B2116
Facility Registry ID: 110000406285
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: National Emission Standards for Hazardous Air Pollutants (40 CFR Part 61)
Activity Date: 2011-04-28 00:00:00
Activity Status Date: 2011-04-28 00:00:00
Activity Group: Enforcement Action
Activity Type: Administrative - Informal
Activity Status: Achieved

Region Code: 05
Programmatic ID: AIR MI000000000000B2116
Facility Registry ID: 110000406285
Air Operating Status Code: OPR

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

DETROIT STEEL COMPANY (Continued)

1000343542

Default Air Classification Code: MAJ
Air Program: New Source Review Permit Requirements
Activity Date: Not reported
Activity Status Date: 2014-10-19 00:00:00
Activity Group: Case File
Activity Type: Case File
Activity Status: Case File Data Entered

Region Code: 05
Programmatic ID: AIR MI000000000000B2116
Facility Registry ID: 110000406285
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: Not reported
Activity Status Date: 2014-10-19 00:00:00
Activity Group: Case File
Activity Type: Case File
Activity Status: Case File Data Entered

Region Code: 05
Programmatic ID: AIR MI000000000000B2116
Facility Registry ID: 110000406285
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: Not reported
Activity Status Date: 1998-12-15 00:00:00
Activity Group: Case File
Activity Type: Case File
Activity Status: Resolved

Region Code: 05
Programmatic ID: AIR MI000000000000B2116
Facility Registry ID: 110000406285
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2016-07-14 00:00:00
Activity Status Date: 2016-09-08 14:59:29
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Active

Region Code: 05
Programmatic ID: AIR MI000000000000B2116
Facility Registry ID: 110000406285
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 1984-02-03 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 05

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

DETROIT STEEL COMPANY (Continued)

1000343542

Programmatic ID: AIR MI000000000000B2116
Facility Registry ID: 110000406285
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 1984-02-07 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 MI000000000000B2116
Facility Registry ID: 110000406285
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 1984-04-05 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 MI000000000000B2116
Facility Registry ID: 110000406285
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 1984-04-26 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 MI000000000000B2116
Facility Registry ID: 110000406285
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 1984-08-14 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 MI000000000000B2116
Facility Registry ID: 110000406285
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 1984-10-04 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

DETROIT STEEL COMPANY (Continued)

1000343542

Activity Status: Not reported

Region Code: 05
Programmatic ID: AIR MI000000000000B2116
Facility Registry ID: 110000406285
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 1984-12-18 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 MI000000000000B2116
Facility Registry ID: 110000406285
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 1985-03-19 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 MI000000000000B2116
Facility Registry ID: 110000406285
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 1985-06-24 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 MI000000000000B2116
Facility Registry ID: 110000406285
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 1985-08-30 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 MI000000000000B2116
Facility Registry ID: 110000406285
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 1985-09-17 00:00:00

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

DETROIT STEEL COMPANY (Continued)

1000343542

Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 05
Programmatic ID: AIR MI000000000000B2116
Facility Registry ID: 110000406285
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 1985-10-01 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 MI000000000000B2116
Facility Registry ID: 110000406285
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 1985-11-19 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 MI000000000000B2116
Facility Registry ID: 110000406285
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 1986-04-28 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 MI000000000000B2116
Facility Registry ID: 110000406285
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 1986-07-10 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 MI000000000000B2116
Facility Registry ID: 110000406285
Air Operating Status Code: OPR

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

DETROIT STEEL COMPANY (Continued)

1000343542

Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 1986-10-07 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 MI000000000000B2116
Facility Registry ID: 110000406285
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 1987-09-21 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 MI000000000000B2116
Facility Registry ID: 110000406285
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 1988-08-10 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 MI000000000000B2116
Facility Registry ID: 110000406285
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 1989-09-21 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 MI000000000000B2116
Facility Registry ID: 110000406285
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 1990-07-10 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 05

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

DETROIT STEEL COMPANY (Continued)

1000343542

Programmatic ID: AIR MI000000000000B2116
Facility Registry ID: 110000406285
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 1991-01-31 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 MI000000000000B2116
Facility Registry ID: 110000406285
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 1991-08-23 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 MI000000000000B2116
Facility Registry ID: 110000406285
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 1992-08-31 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 MI000000000000B2116
Facility Registry ID: 110000406285
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 1993-07-24 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 MI000000000000B2116
Facility Registry ID: 110000406285
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 1994-03-14 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

DETROIT STEEL COMPANY (Continued)

1000343542

Activity Status:	Not reported
Region Code:	05
Programmatic ID:	AIR MI000000000000B2116
Facility Registry ID:	110000406285
Air Operating Status Code:	OPR
Default Air Classification Code:	MAJ
Air Program:	State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date:	1995-09-12 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 MI000000000000B2116
Facility Registry ID:	110000406285
Air Operating Status Code:	OPR
Default Air Classification Code:	MAJ
Air Program:	State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date:	1996-06-06 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 MI000000000000B2116
Facility Registry ID:	110000406285
Air Operating Status Code:	OPR
Default Air Classification Code:	MAJ
Air Program:	State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date:	1997-04-18 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 MI000000000000B2116
Facility Registry ID:	110000406285
Air Operating Status Code:	OPR
Default Air Classification Code:	MAJ
Air Program:	State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date:	1998-06-25 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 MI000000000000B2116
Facility Registry ID:	110000406285
Air Operating Status Code:	OPR
Default Air Classification Code:	MAJ
Air Program:	State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date:	1999-03-11 00:00:00

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

DETROIT STEEL COMPANY (Continued)

1000343542

Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 05
Programmatic ID: AIR MI000000000000B2116
Facility Registry ID: 110000406285
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2000-08-24 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 MI000000000000B2116
Facility Registry ID: 110000406285
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2001-08-29 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 MI000000000000B2116
Facility Registry ID: 110000406285
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2002-09-13 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 MI000000000000B2116
Facility Registry ID: 110000406285
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2003-07-28 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 MI000000000000B2116
Facility Registry ID: 110000406285
Air Operating Status Code: OPR

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

DETROIT STEEL COMPANY (Continued)

1000343542

Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2008-03-03 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 MI000000000000B2116
Facility Registry ID: 110000406285
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2009-08-24 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 MI000000000000B2116
Facility Registry ID: 110000406285
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2009-09-30 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 MI000000000000B2116
Facility Registry ID: 110000406285
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2012-08-23 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 MI000000000000B2116
Facility Registry ID: 110000406285
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2012-09-26 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 05

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

DETROIT STEEL COMPANY (Continued)

1000343542

Programmatic ID: AIR MI000000000000B2116
Facility Registry ID: 110000406285
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2014-06-24 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 MI000000000000B2116
Facility Registry ID: 110000406285
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 1994-06-17 00:00:00
Activity Status Date: 1994-06-17 00:00:00
Activity Group: Enforcement Action
Activity Type: Administrative - Formal
Activity Status: Final Order Issued

Region Code: 05
Programmatic ID: AIR MI000000000000B2116
Facility Registry ID: 110000406285
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 1997-01-21 00:00:00
Activity Status Date: 1997-01-21 00:00:00
Activity Group: Enforcement Action
Activity Type: Administrative - Formal
Activity Status: Final Order Issued

Region Code: 05
Programmatic ID: AIR MI000000000000B2116
Facility Registry ID: 110000406285
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 1998-04-06 00:00:00
Activity Status Date: 1998-04-06 00:00:00
Activity Group: Enforcement Action
Activity Type: Administrative - Formal
Activity Status: Final Order Issued

Region Code: 05
Programmatic ID: AIR MI000000000000B2116
Facility Registry ID: 110000406285
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 1986-10-29 00:00:00
Activity Status Date: 1986-10-29 00:00:00
Activity Group: Enforcement Action
Activity Type: Administrative - Informal

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

DETROIT STEEL COMPANY (Continued)

1000343542

Activity Status:	Achieved
Region Code:	05
Programmatic ID:	AIR MI000000000000B2116
Facility Registry ID:	110000406285
Air Operating Status Code:	OPR
Default Air Classification Code:	MAJ
Air Program:	State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date:	1987-01-14 00:00:00
Activity Status Date:	1987-01-14 00:00:00
Activity Group:	Enforcement Action
Activity Type:	Administrative - Informal
Activity Status:	Achieved
Region Code:	05
Programmatic ID:	AIR MI000000000000B2116
Facility Registry ID:	110000406285
Air Operating Status Code:	OPR
Default Air Classification Code:	MAJ
Air Program:	State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date:	1987-06-02 00:00:00
Activity Status Date:	1987-06-02 00:00:00
Activity Group:	Enforcement Action
Activity Type:	Administrative - Informal
Activity Status:	Achieved
Region Code:	05
Programmatic ID:	AIR MI000000000000B2116
Facility Registry ID:	110000406285
Air Operating Status Code:	OPR
Default Air Classification Code:	MAJ
Air Program:	State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date:	1987-09-11 00:00:00
Activity Status Date:	1987-09-11 00:00:00
Activity Group:	Enforcement Action
Activity Type:	Administrative - Informal
Activity Status:	Achieved
Region Code:	05
Programmatic ID:	AIR MI000000000000B2116
Facility Registry ID:	110000406285
Air Operating Status Code:	OPR
Default Air Classification Code:	MAJ
Air Program:	State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date:	1990-09-26 00:00:00
Activity Status Date:	1990-09-26 00:00:00
Activity Group:	Enforcement Action
Activity Type:	Administrative - Informal
Activity Status:	Achieved
Region Code:	05
Programmatic ID:	AIR MI000000000000B2116
Facility Registry ID:	110000406285
Air Operating Status Code:	OPR
Default Air Classification Code:	MAJ
Air Program:	State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date:	1993-09-15 00:00:00

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

DETROIT STEEL COMPANY (Continued)

1000343542

Activity Status Date:	1993-09-15 00:00:00
Activity Group:	Enforcement Action
Activity Type:	Administrative - Informal
Activity Status:	Achieved
Region Code:	05
Programmatic ID:	AIR MI000000000000B2116
Facility Registry ID:	110000406285
Air Operating Status Code:	OPR
Default Air Classification Code:	MAJ
Air Program:	State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date:	1994-08-08 00:00:00
Activity Status Date:	1994-08-08 00:00:00
Activity Group:	Enforcement Action
Activity Type:	Administrative - Informal
Activity Status:	Achieved
Region Code:	05
Programmatic ID:	AIR MI000000000000B2116
Facility Registry ID:	110000406285
Air Operating Status Code:	OPR
Default Air Classification Code:	MAJ
Air Program:	State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date:	1995-06-13 00:00:00
Activity Status Date:	1995-06-13 00:00:00
Activity Group:	Enforcement Action
Activity Type:	Administrative - Informal
Activity Status:	Achieved
Region Code:	05
Programmatic ID:	AIR MI000000000000B2116
Facility Registry ID:	110000406285
Air Operating Status Code:	OPR
Default Air Classification Code:	MAJ
Air Program:	State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date:	2007-09-27 00:00:00
Activity Status Date:	2007-09-27 00:00:00
Activity Group:	Enforcement Action
Activity Type:	Administrative - Informal
Activity Status:	Achieved
Region Code:	05
Programmatic ID:	AIR MI000000000000B2116
Facility Registry ID:	110000406285
Air Operating Status Code:	OPR
Default Air Classification Code:	MAJ
Air Program:	State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date:	2010-03-23 00:00:00
Activity Status Date:	2010-03-23 00:00:00
Activity Group:	Enforcement Action
Activity Type:	Administrative - Informal
Activity Status:	Achieved
Region Code:	05
Programmatic ID:	AIR MI000000000000B2116
Facility Registry ID:	110000406285
Air Operating Status Code:	OPR

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

DETROIT STEEL COMPANY (Continued)

1000343542

Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2011-07-12 00:00:00
Activity Status Date: 2011-07-12 00:00:00
Activity Group: Enforcement Action
Activity Type: Administrative - Informal
Activity Status: Achieved

Region Code: 05
Programmatic ID: AIR MI000000000000B2116
Facility Registry ID: 110000406285
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 1998-04-27 00:00:00
Activity Status Date: 1998-04-27 00:00:00
Activity Group: Enforcement Action
Activity Type: Judicial
Activity Status: Closed

Region Code: 05
Programmatic ID: AIR MI000000000000B2116
Facility Registry ID: 110000406285
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: Not reported
Activity Status Date: 2014-10-19 00:00:00
Activity Group: Case File
Activity Type: Case File
Activity Status: Case File Data Entered

Region Code: 05
Programmatic ID: AIR MI000000000000B2116
Facility Registry ID: 110000406285
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2015-02-06 00:00:00
Activity Status Date: 2015-09-15 13:00:30
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Active

Region Code: 05
Programmatic ID: AIR MI000000000000B2116
Facility Registry ID: 110000406285
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2015-02-17 00:00:00
Activity Status Date: 2015-09-15 13:00:30
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Active

Region Code: 05

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

DETROIT STEEL COMPANY (Continued)

1000343542

Programmatic ID: AIR MI000000000000B2116
Facility Registry ID: 110000406285
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2016-05-09 00:00:00
Activity Status Date: 2016-09-08 14:59:33
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Active

Region Code: 05
Programmatic ID: AIR MI000000000000B2116
Facility Registry ID: 110000406285
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2016-07-14 00:00:00
Activity Status Date: 2016-09-08 14:59:29
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Active

Region Code: 05
Programmatic ID: AIR MI000000000000B2116
Facility Registry ID: 110000406285
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2003-07-28 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 MI000000000000B2116
Facility Registry ID: 110000406285
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2005-08-12 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 MI000000000000B2116
Facility Registry ID: 110000406285
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2007-08-30 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

DETROIT STEEL COMPANY (Continued)

1000343542

Activity Status: Not reported

Region Code: 05
Programmatic ID: AIR MI000000000000B2116
Facility Registry ID: 110000406285
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2008-03-03 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 MI000000000000B2116
Facility Registry ID: 110000406285
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2008-03-19 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 MI000000000000B2116
Facility Registry ID: 110000406285
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2009-03-11 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 MI000000000000B2116
Facility Registry ID: 110000406285
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2009-03-31 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 MI000000000000B2116
Facility Registry ID: 110000406285
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2009-08-24 00:00:00

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

DETROIT STEEL COMPANY (Continued)

1000343542

Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 05
Programmatic ID: AIR MI000000000000B2116
Facility Registry ID: 110000406285
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2009-09-30 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 MI000000000000B2116
Facility Registry ID: 110000406285
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2010-02-23 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 MI000000000000B2116
Facility Registry ID: 110000406285
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2010-03-07 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 MI000000000000B2116
Facility Registry ID: 110000406285
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2011-02-10 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 MI000000000000B2116
Facility Registry ID: 110000406285
Air Operating Status Code: OPR

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

DETROIT STEEL COMPANY (Continued)

1000343542

Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2011-04-13 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 MI000000000000B2116
Facility Registry ID: 110000406285
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2012-02-08 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 MI000000000000B2116
Facility Registry ID: 110000406285
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2012-04-09 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 MI000000000000B2116
Facility Registry ID: 110000406285
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2012-08-23 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 MI000000000000B2116
Facility Registry ID: 110000406285
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2012-09-26 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 05

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

DETROIT STEEL COMPANY (Continued)

1000343542

Programmatic ID: AIR MI000000000000B2116
Facility Registry ID: 110000406285
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2013-03-11 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 MI000000000000B2116
Facility Registry ID: 110000406285
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2014-02-13 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 MI000000000000B2116
Facility Registry ID: 110000406285
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2014-03-30 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 MI000000000000B2116
Facility Registry ID: 110000406285
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2014-06-24 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 MI000000000000B2116
Facility Registry ID: 110000406285
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2010-03-23 00:00:00
Activity Status Date: 2010-03-23 00:00:00
Activity Group: Enforcement Action
Activity Type: Administrative - Informal

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

DETROIT STEEL COMPANY (Continued)

1000343542

Activity Status: Achieved

AIRS:

State Registration Number:	B2116	
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-4180	
Date Received:	Not reported	
Application Reason:	Not reported	
Record Type:	Not reported	
State County FIPS:	Not reported	
Facility Category:	Not reported	
SIC Primary:	Not reported	
Tribal Code:	Not reported	
Facility Status:	Not reported	
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	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

EDR ID Number
EPA ID Number

A38
Target
Property

1491 WEST JEFFERSON AVE
TRENTON, MI 48183

ERNS 93163899
N/A

Site 38 of 40 in cluster A

Actual:
584 ft.

[Click this hyperlink](#) while viewing on your computer to access
additional ERNS detail in the EDR Site Report.

A39
Target
Property

1491 JEFFERSON AVE.
TRENTON, MI

ERNS 2003641622
N/A

Site 39 of 40 in cluster A

Actual:
584 ft.

[Click this hyperlink](#) while viewing on your computer to access
additional ERNS detail in the EDR Site Report.

A40
Target
Property

1491 WEST JEFFERSON AVE
TRENTON, MI 48183

ERNS 93155022
N/A

Site 40 of 40 in cluster A

Actual:
584 ft.

[Click this hyperlink](#) while viewing on your computer to access
additional ERNS detail in the EDR Site Report.

B41
< 1/8
1 ft.

EDWARD C LEVY CO
55 KING RD
TRENTON, MI 48183

RCRA-CESQG 1000439960
ICIS MID981959067
US AIRS

Site 1 of 5 in cluster B

Relative:
Higher

RCRA-CESQG:

Date form received by agency: 08/25/2002

Facility name: EDWARD C LEVY CO

Facility address: 55 KING RD
TRENTON, MI 48183

EPA ID: MID981959067

Mailing address: 8800 DIX ST
DETROIT, MI 48209

Contact: JIM WEBER

Contact address: 55 KING RD
TRENTON, MI 48183

Contact country: US

Contact telephone: (313) 429-2215

Contact email: Not reported

EPA Region: 05

Classification: Conditionally Exempt Small Quantity Generator

Description: Handler: generates 100 kg or less of hazardous waste per calendar month, and accumulates 1000 kg or less of hazardous waste at any time; or generates 1 kg or less of acutely hazardous waste per calendar month, and accumulates at any time: 1 kg or less of acutely hazardous waste; or 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste; or generates 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

EDWARD C LEVY CO (Continued)

1000439960

hazardous waste during any calendar month, and accumulates at any time: 1 kg or less of acutely hazardous waste; or 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste

Owner/Operator Summary:

Owner/operator name: LEVY EDW C CO
Owner/operator address: Not reported
Not reported
Owner/operator country: Not reported
Owner/operator telephone: Not reported
Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: 01/01/1970
Owner/Op end date: Not reported

Owner/operator name: LEVY EDW C CO
Owner/operator address: Not reported
Not reported
Owner/operator country: Not reported
Owner/operator telephone: Not reported
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: 01/01/1970
Owner/Op end date: Not reported

Handler Activities Summary:

U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
Used oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

. Waste code: D001
. Waste name: IGNITABLE WASTE

Historical Generators:

Date form received by agency: 06/22/1987
Site name: EDWARD C LEVY CO
Classification: Small Quantity Generator

. Waste code: D001
. Waste name: IGNITABLE WASTE

Violation Status: No violations found

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

EDWARD C LEVY CO (Continued)

1000439960

ICIS:

Enforcement Action ID: 05-1986-0488
FRS ID: 110001680770
Action Name: LEVY, EDWARD C. CO. #5
Facility Name: EDW C LEVY COMPANY PLANTS 4 & 5
Facility Address: 55 KING RD
TRENTON, MI 48183
Enforcement Action Type: RCRA 3008A AO For Comp And/Or Penalty
Facility County: WAYNE
Program System Acronym: ICIS
Enforcement Action Forum Desc: Administrative - Formal
EA Type Code: 3008A
Facility SIC Code: Not reported
Federal Facility ID: Not reported
Latitude in Decimal Degrees: 42.156098
Longitude in Decimal Degrees: -83.173344
Permit Type Desc: Not reported
Program System Acronym: 23694
Facility NAICS Code: Not reported
Tribal Land Code: Not reported

Facility Name: EDW C LEVY COMPANY PLANTS 4 & 5
Address: 55 KING RD
Tribal Indicator: N
Fed Facility: No
NAIC Code: Not reported
SIC Code: Not reported

Facility Name: EDW C LEVY COMPANY PLANTS 4 & 5
Address: 55 KING RD
Tribal Indicator: N
Fed Facility: No
NAIC Code: Not reported
SIC Code: Not reported

US AIRS MINOR:

Envid: 1000439960
Region Code: 05
Programmatic ID: AIR MI000000000000B2152
Facility Registry ID: 110001680770
D and B Number: Not reported
Primary SIC Code: 3295
NAICS Code: 327992
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

EDR ID Number
EPA ID Number

B42
< 1/8
1 ft.

EDW C LEVY CO PLANTS 4 & 5
55 KING RD
TRENTON, MI 48183

FINDS
ECHO **1016182143**
 N/A

Site 2 of 5 in cluster B

Relative:
Higher

FINDS:

Actual:
587 ft.

Registry ID:

110001680770

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). AFS 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 it 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:

1016182143

Registry ID:

110001680770

DFR URL:

<http://echo.epa.gov/detailed-facility-report?fid=110001680770>

Map ID
Direction
Distance
Elevation

MAP FINDINGS

EDR ID Number
EPA ID Number

B43 **EDW LEVY SITE** **FINDS** **1016443529**
83 KING RD **N/A**
< 1/8 **TRENTON, MI 48183**

1 ft.

Site 3 of 5 in cluster B

Relative:
Higher

FINDS:

Registry ID: 110056112601

Actual:
588 ft.

Environmental Interest/Information System
SUPERFUND (NON-NPL)

[Click this hyperlink](#) while viewing on your computer to access
additional FINDS: detail in the EDR Site Report.

B44 **EDW LEVY SITE** **SEMS** **1016170655**
83 KING RD **MIN000510944**
< 1/8 **TRENTON, MI 48183**

1 ft.

Site 4 of 5 in cluster B

Relative:
Higher

SEMS:

Site ID: 510944

EPA ID: MIN000510944

Federal Facility: N

NPL: Not on the NPL

Non NPL Status: Removal Only Site (No Site Assessment Work Needed)

Actual:
588 ft.

Following information was gathered from the prior CERCLIS update completed in 10/2013:

Site ID: 0510944

EPA ID: MIN000510944

Facility County: WAYNE

Short Name: EDW LEVY SITE

Congressional District: 12

IFMS ID: Not reported

SMSA Number: Not reported

USGC Hydro Unit: Not reported

Federal Facility: Not a Federal Facility

DMNSN Number: 0.00000

Site Orphan Flag: Not reported

RCRA ID: Not reported

USGS Quadrangle: Not reported

Site Init By Prog: R

NFRAP Flag: Not reported

Parent ID: Not reported

RST Code: Not reported

EPA Region: 05

Classification: Not reported

Site Settings Code: Not reported

NPL Status: Not on the NPL

DMNSN Unit Code: Not reported

RBRAC Code: Not reported

RResp Fed Agency Code: Not reported

Non NPL Status: Removal Only Site (No Site Assessment Work Needed)

Non NPL Status Date: 04/24/13

Site Fips Code: 26163

CC Concurrence Date: / /

CC Concurrence FY: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

EDW LEVY SITE (Continued)

1016170655

Alias EPA ID: Not reported
Site FUDS Flag: Not reported

CERCLIS Site Contact Name(s):

Contact ID: 5270366.00000
Contact Name: PARTAP LALL
Contact Tel: (734) 692-7685
Contact Title: On-Scene Coordinator (OSC)
Contact Email: Not reported

Alias Comments: Not reported
Site Description: Not reported

CERCLIS Assessment History:

Action Code: 001
Action: POTENTIALLY RESPONSIBLE PARTY EMERGENCY REMOVAL
Date Started: 04/24/13
Date Completed: 04/26/13
Priority Level: Stabilized
Operable Unit: SITEWIDE
Primary Responsibility: Responsible Party
Planning Status: Approved
Urgency Indicator: Emergency
Action Anomaly: Not reported

C45

**DTE ENERGY SITE
WEST JEFFERSON AVE AT SIBBLEY ROAD
TRENTON, MI 48192**

**US BROWNFIELDS 1012127277
N/A**

**< 1/8
1 ft.**

Site 1 of 3 in cluster C

**Relative:
Lower**

US BROWNFIELDS:

Recipient name: Downriver Community Conference
Grant type: Assessment
Property name: DTE ENERGY SITE
Property #: 54-001-99-0007-701
Parcel size: 1.54
Property Description: Sewer right-of-way, pump house, and storage yard. Solvay Process Co., North Trenton Pump House, Dept of Public Works, McLouth Steel, DSC, and DTE Energy
Latitude: 42.170410
Longitude: -83.16917
HCM label: Address Matching-House Number
Map scale: Not reported
Point of reference: Entrance Point of a Facility or Station
Datum: World Geodetic System of 1984
ACRES property ID: 84901
Start date: Not reported
Completed date: Not reported
Acres cleaned up: Not reported
Cleanup funding: Not reported
Cleanup funding source: Not reported
Assessment funding: 2200
Assessment funding source: US EPA - Brownfields Assessment Cooperative Agreement
Redevelopment funding: Not reported
Redev. funding source: Not reported

**Actual:
580 ft.**

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

DTE ENERGY SITE (Continued)

1012127277

Redev. funding entity name:	Not reported
Redevelopment start date:	Not reported
Assessment funding entity:	EPA
Cleanup funding entity:	Not reported
Grant type:	N/A
Accomplishment type:	Phase I Environmental Assessment
Accomplishment count:	1
Cooperative agreement #:	96598401
Ownership entity:	Private
Current owner:	DTE Energy
Did owner change:	N
Cleanup required:	Yes
Video available:	No
Photo available:	Yes
Institutional controls required:	N
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
Air contaminated:	Not reported
Air cleaned:	Not reported
Asbestos found:	Not reported
Asbestos cleaned:	Not reported
Controlled substance found:	Not reported
Controlled substance cleaned:	Not reported
Drinking water affected:	Not reported
Drinking water cleaned:	Not reported
Groundwater affected:	Y
Groundwater cleaned:	Not reported
Lead contaminant found:	Not reported
Lead cleaned up:	Not reported
No media affected:	Not reported
Unknown media affected:	Not reported
Other cleaned up:	Not reported
Other metals found:	Y
Other metals cleaned:	Not reported
Other contaminants found:	Not reported
Other contams found description:	Not reported
PAHs found:	Not reported
PAHs cleaned up:	Not reported
PCBs found:	Not reported
PCBs cleaned up:	Not reported
Petro products found:	Not reported
Petro products cleaned:	Not reported
Sediments found:	Not reported
Sediments cleaned:	Not reported
Soil affected:	Y
Soil cleaned up:	Not reported
Surface water cleaned:	Not reported
VOCs found:	Not reported
VOCs cleaned:	Not reported
Cleanup other description:	Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

DTE ENERGY SITE (Continued)

1012127277

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: Not reported
Future use greenspace acreage: Not reported
Future use residential acreage: Not reported
Future use commercial acreage: Not reported
Future use industrial acreage: Not reported
Greenspace acreage and type: Not reported
Superfund Fed. landowner flag: Not reported
Arsenic cleaned up: Not reported
Cadmium cleaned up: Not reported
Chromium cleaned up: Not reported
Copper cleaned up: Not reported
Iron cleaned up: Not reported
mercury cleaned up: Not reported
nickel cleaned up: Not reported
No clean up: Not reported
Pesticides cleaned up: Not reported
Selenium cleaned up: Not reported
SVOCs cleaned up: Not reported
Unknown clean up: Not reported
Arsenic contaminant found: Not reported
Cadmium contaminant found: Not reported
Chromium contaminant found: Not reported
Copper contaminant found: Not reported
Iron contaminant found: Not reported
Mercury contaminant found: Not reported
Nickel contaminant found: Not reported
No contaminant found: Not reported
Pesticides contaminant found: Not reported
Selenium contaminant found: Not reported
SVOCs contaminant found: Not reported
Unknown contaminant found: Not reported
Future Use: Multistory Not reported
Media affected Bluiding Material: Not reported
Media affected indoor air: Not reported
Building material media cleaned up: Not reported
Indoor air media cleaned up: Not reported
Unknown media cleaned up: Not reported
Past Use: Multistory Not reported
Highlights: Not reported
IC Data Address: Not reported
Redev Completion Date: Not reported
Below Poverty: 194
% Below Poverty: 3.6%
Low Income: 334
% Low Income: 2.1%
Meidan Income: 4089
Unemployed: 96
% Unemployed: 7.3%
Vacant Housing: 74
% Vacant Housing: 9.5%

Recipient name: Downriver Community Conference
Grant type: Assessment

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

DTE ENERGY SITE (Continued)

1012127277

Property name:	DTE ENERGY SITE
Property #:	54-001-99-0007-701
Parcel size:	1.54
Property Description:	Sewer right-of-way, pump house, and storage yard. Solvay Process Co., North Trenton Pump House, Dept of Public Works, McLouth Steel, DSC, and DTE Energy
Latitude:	42.170410
Longitude:	-83.16917
HCM label:	Address Matching-House Number
Map scale:	Not reported
Point of reference:	Entrance Point of a Facility or Station
Datum:	World Geodetic System of 1984
ACRES property ID:	84901
Start date:	Not reported
Completed date:	Not reported
Acres cleaned up:	Not reported
Cleanup funding:	Not reported
Cleanup funding source:	Not reported
Assessment funding:	15397
Assessment funding source:	US EPA - Brownfields Assessment Cooperative Agreement
Redevelopment funding:	Not reported
Redev. funding source:	Not reported
Redev. funding entity name:	Not reported
Redevelopment start date:	Not reported
Assessment funding entity:	EPA
Cleanup funding entity:	Not reported
Grant type:	N/A
Accomplishment type:	Phase II Environmental Assessment
Accomplishment count:	0
Cooperative agreement #:	96598401
Ownership entity:	Private
Current owner:	DTE Energy
Did owner change:	N
Cleanup required:	Yes
Video available:	No
Photo available:	Yes
Institutional controls required:	N
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
Air contaminated:	Not reported
Air cleaned:	Not reported
Asbestos found:	Not reported
Asbestos cleaned:	Not reported
Controlled substance found:	Not reported
Controlled substance cleaned:	Not reported
Drinking water affected:	Not reported
Drinking water cleaned:	Not reported
Groundwater affected:	Y
Groundwater cleaned:	Not reported
Lead contaminant found:	Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

DTE ENERGY SITE (Continued)

1012127277

Lead cleaned up:	Not reported
No media affected:	Not reported
Unknown media affected:	Not reported
Other cleaned up:	Not reported
Other metals found:	Y
Other metals cleaned:	Not reported
Other contaminants found:	Not reported
Other contams found description:	Not reported
PAHs found:	Not reported
PAHs cleaned up:	Not reported
PCBs found:	Not reported
PCBs cleaned up:	Not reported
Petro products found:	Not reported
Petro products cleaned:	Not reported
Sediments found:	Not reported
Sediments cleaned:	Not reported
Soil affected:	Y
Soil cleaned up:	Not reported
Surface water cleaned:	Not reported
VOCs found:	Not reported
VOCs cleaned:	Not reported
Cleanup other description:	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:	Not reported
Future use greenspace acreage:	Not reported
Future use residential acreage:	Not reported
Future use commercial acreage:	Not reported
Future use industrial acreage:	Not reported
Greenspace acreage and type:	Not reported
Superfund Fed. landowner flag:	Not reported
Arsenic cleaned up:	Not reported
Cadmium cleaned up:	Not reported
Chromium cleaned up:	Not reported
Copper cleaned up:	Not reported
Iron cleaned up:	Not reported
mercury cleaned up:	Not reported
nickel cleaned up:	Not reported
No clean up:	Not reported
Pesticides cleaned up:	Not reported
Selenium cleaned up:	Not reported
SVOCs cleaned up:	Not reported
Unknown clean up:	Not reported
Arsenic contaminant found:	Not reported
Cadmium contaminant found:	Not reported
Chromium contaminant found:	Not reported
Copper contaminant found:	Not reported
Iron contaminant found:	Not reported
Mercury contaminant found:	Not reported
Nickel contaminant found:	Not reported
No contaminant found:	Not reported
Pesticides contaminant found:	Not reported
Selenium contaminant found:	Not reported
SVOCs contaminant found:	Not reported
Unknown contaminant found:	Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

DTE ENERGY SITE (Continued)

1012127277

Future Use: Multistory Not reported
Media affected Bluiding Material: Not reported
Media affected indoor air: Not reported
Building material media cleaned up: Not reported
Indoor air media cleaned up: Not reported
Unknown media cleaned up: Not reported
Past Use: Multistory Not reported
Highlights: Not reported
IC Data Address: Not reported
Redev Completion Date: Not reported
Below Poverty: 194
% Below Poverty: 3.6%
Low Income: 334
% Low Income: 2.1%
Meidan Income: 4089
Unemployed: 96
% Unemployed: 7.3%
Vacant Housing: 74
% Vacant Housing: 9.5%

C46

**DTE ENERGY SITE
WEST JEFFERSON AVE AT SIBBLEY ROAD
WYANDOTTE, MI 48192**

**FINDS 1011974793
N/A**

**< 1/8
1 ft.**

Site 2 of 3 in cluster C

**Relative:
Lower**

FINDS:

Registry ID: 110038737187

**Actual:
580 ft.**

Environmental Interest/Information System

US EPA Assessment, Cleanup and Redevelopment Exchange System (ACRES)
is an federal online database for Brownfields Grantees to
electronically submit data directly to EPA.

[Click this hyperlink](#) while viewing on your computer to access
additional FINDS: detail in the EDR Site Report.

B47

**EDWARD C LEVY CO
55 KING RD
TRENTON, MI 48183**

**MI WDS S111937037
N/A**

**< 1/8
1 ft.**

Site 5 of 5 in cluster B

**Relative:
Higher**

WDS:

Site Id: MID981959067
WMD Id: 400620
Site Specific Name: EDWARD C LEVY CO PLANT 4
Mailing Address: 8800 DIX ST
Mailing City/State/Zip: 48209
Mailing County: WAYNE

**Actual:
587 ft.**

Map ID
Direction
Distance
Elevation

MAP FINDINGS

EDR ID Number
EPA ID Number

	Site	Database(s)	
C48	ANTEAU PROPERTY	MI RGA LUST	S115665216
< 1/8	34891 W JEFFERSON		N/A
1 ft.	BROWNSTOWN TWP, MI		
	Site 3 of 3 in cluster C		
Relative:	RGA LUST:		
Higher	1997 ANTEAU PROPERTY 34891 W JEFFERSON		
Actual:			
585 ft.			

49	TRENTON RIVERFRONT	US BROWNFIELDS	1016351168
North	WEST JEFFERSON AVENUE	FINDS	N/A
< 1/8	TRENTON, MI 48183		
0.007 mi.			
38 ft.			

Relative:	US BROWNFIELDS:	
Higher	Recipient name:	Downriver Community Conference
	Grant type:	Assessment
Actual:	Property name:	TRENTON RIVERFRONT
585 ft.	Property #:	Not reported
	Parcel size:	16.75
	Property Description:	Not reported
	Latitude:	42.165015
	Longitude:	-83.172333
	HCM label:	Not reported
	Map scale:	Not reported
	Point of reference:	Not reported
	Datum:	Not reported
	ACRES property ID:	13711
	Start 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:	N/A
	Accomplishment type:	Phase I Environmental Assessment
	Accomplishment count:	0
	Cooperative agreement #:	98538901
	Ownership entity:	Not reported
	Current owner:	Not reported
	Did owner change:	Not reported
	Cleanup required:	Not reported
	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

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

TRENTON RIVERFRONT (Continued)

1016351168

IC in place:	Unknown
State/tribal program date:	Not reported
State/tribal program ID:	Not reported
State/tribal NFA date:	Not reported
Air contaminated:	Not reported
Air cleaned:	Not reported
Asbestos found:	Not reported
Asbestos cleaned:	Not reported
Controlled substance found:	Not reported
Controlled substance cleaned:	Not reported
Drinking water affected:	Not reported
Drinking water cleaned:	Not reported
Groundwater affected:	Not reported
Groundwater cleaned:	Not reported
Lead contaminant found:	Not reported
Lead cleaned up:	Not reported
No media affected:	Not reported
Unknown media affected:	Not reported
Other cleaned up:	Not reported
Other metals found:	Not reported
Other metals cleaned:	Not reported
Other contaminants found:	Not reported
Other contaminants found description:	Not reported
PAHs found:	Not reported
PAHs cleaned up:	Not reported
PCBs found:	Not reported
PCBs cleaned up:	Not reported
Petro products found:	Not reported
Petro products cleaned:	Not reported
Sediments found:	Not reported
Sediments cleaned:	Not reported
Soil affected:	Not reported
Soil cleaned up:	Not reported
Surface water cleaned:	Not reported
VOCs found:	Not reported
VOCs cleaned:	Not reported
Cleanup other description:	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:	Not reported
Future use greenspace acreage:	Not reported
Future use residential acreage:	Not reported
Future use commercial acreage:	Not reported
Future use industrial acreage:	Not reported
Greenspace acreage and type:	Not reported
Superfund Fed. landowner flag:	Not reported
Arsenic cleaned up:	Not reported
Cadmium cleaned up:	Not reported
Chromium cleaned up:	Not reported
Copper cleaned up:	Not reported
Iron cleaned up:	Not reported
mercury cleaned up:	Not reported
nickel cleaned up:	Not reported
No clean up:	Not reported
Pesticides cleaned up:	Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

TRENTON RIVERFRONT (Continued)

1016351168

Selenium cleaned up:	Not reported
SVOCs cleaned up:	Not reported
Unknown clean up:	Not reported
Arsenic contaminant found:	Not reported
Cadmium contaminant found:	Not reported
Chromium contaminant found:	Not reported
Copper contaminant found:	Not reported
Iron contaminant found:	Not reported
Mercury contaminant found:	Not reported
Nickel contaminant found:	Not reported
No contaminant found:	Not reported
Pesticides contaminant found:	Not reported
Selenium contaminant found:	Not reported
SVOCs contaminant found:	Not reported
Unknown contaminant found:	Not reported
Future Use: Multistory	Not reported
Media affected Bluiding Material:	Not reported
Media affected indoor air:	Not reported
Building material media cleaned up:	Not reported
Indoor air media cleaned up:	Not reported
Unknown media cleaned up:	Not reported
Past Use: Multistory	Not reported
Highlights:	Not reported
IC Data Address:	Not reported
Redev Completion Date:	Not reported
# Below Poverty:	160
% Below Poverty:	3.0%
# Low Income:	229
% Low Income:	2.1%
Meidan Income:	2752
# Unemployed:	79
% Unemployed:	6.1%
# Vacant Housing:	55
% Vacant Housing:	8.7%

FINDS:

Registry ID: 110039532681

Environmental Interest/Information System

US EPA Assessment, Cleanup and Redevelopment Exchange System (ACRES)
is an federal online database for Brownfields Grantees to
electronically submit data directly to EPA.

[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

EDR ID Number
EPA ID Number

D50
North
< 1/8
0.021 mi.
113 ft.

STRUCTURAL PRESERVATION SYSTEMS
280 W JEFFERSON AVE
TRENTON, MI 48183

RCRA NonGen / NLR

1007100485
MIK839823689

Site 1 of 3 in cluster D

Relative:
Higher

RCRA NonGen / NLR:

Date form received by agency: 05/23/2001

Facility name: STRUCTURAL PRESERVATION SYSTEMS

Facility address: 280 W JEFFERSON AVE

TRENTON, MI 48183

EPA ID: MIK839823689

Contact: MIKE DAVIS

Contact address: 280 W JEFFERSON AVE

TRENTON, MI 48183

Contact country: US

Contact telephone: (734) 282-7760

Contact email: Not reported

EPA Region: 05

Classification: Non-Generator

Description: Handler: Non-Generators do not presently generate hazardous waste

Owner/Operator Summary:

Owner/operator name: STRUCTURAL PRESERVATION SYSTEMS

Owner/operator address: Not reported

Not reported

Owner/operator country: Not reported

Owner/operator telephone: Not reported

Legal status: Private

Owner/Operator Type: Operator

Owner/Op start date: 05/23/2001

Owner/Op end date: Not reported

Owner/operator name: STRUCTURAL PRESERVATION SYSTEMS

Owner/operator address: Not reported

Not reported

Owner/operator country: Not reported

Owner/operator telephone: Not reported

Legal status: Private

Owner/Operator Type: Owner

Owner/Op start date: 05/23/2001

Owner/Op end date: Not reported

Handler Activities Summary:

U.S. importer of hazardous waste: No

Mixed waste (haz. and radioactive): No

Recycler of hazardous waste: No

Transporter of hazardous waste: No

Treater, storer or disposer of HW: No

Underground injection activity: No

On-site burner exemption: No

Furnace exemption: No

Used oil fuel burner: No

Used oil processor: No

User oil refiner: No

Used oil fuel marketer to burner: No

Used oil Specification marketer: No

Used oil transfer facility: No

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

STRUCTURAL PRESERVATION SYSTEMS (Continued)

1007100485

Used oil transporter: No
Waste code: D001
Waste name: IGNITABLE WASTE
Violation Status: No violations found

E51
North
< 1/8
0.022 mi.
118 ft.

PINEFRESH AUTO WASH INC
200 W JEFFERSON AVE
TRENTON, MI 48183

RCRA NonGen / NLR

1007098704
MIK559148762

Site 1 of 8 in cluster E

Relative:
Higher

RCRA NonGen / NLR:

Actual:
589 ft.

Date form received by agency: 05/10/2002
Facility name: PINEFRESH AUTO WASH INC
Facility address: 200 W JEFFERSON AVE
TRENTON, MI 48183
EPA ID: MIK559148762
Mailing address: 266 W JEFFERSON AVE
TRENTON, MI 48183
Contact: MATT DIPONIO
Contact address: 200 W JEFFERSON AVE
TRENTON, MI 48183
Contact country: US
Contact telephone: (734) 246-9400
Contact email: Not reported
EPA Region: 05
Classification: Non-Generator
Description: Handler: Non-Generators do not presently generate hazardous waste

Owner/Operator Summary:

Owner/operator name: PINEFRESH AUTO WASH LLC
Owner/operator address: Not reported
Not reported
Owner/operator country: Not reported
Owner/operator telephone: Not reported
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: 11/01/1999
Owner/Op end date: Not reported

Owner/operator name: PINEFRESH AUTO WASH LLC
Owner/operator address: Not reported
Not reported
Owner/operator country: Not reported
Owner/operator telephone: Not reported
Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: 11/01/1999
Owner/Op end date: Not reported

Handler Activities Summary:

U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

PINEFRESH AUTO WASH INC (Continued)

1007098704

Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
Used oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Waste code: D001
Waste name: IGNITABLE WASTE

Violation Status: No violations found

52
SW
< 1/8
0.024 mi.
127 ft.

ECKLES AUTOMOTIVE CO
1240 W JEFFERSON AVE
TRENTON, MI 48183

EDR Hist Auto **1020665827**
N/A

Relative:
Higher

EDR Hist Auto

Actual:
584 ft.

Year: Name:
2012 ECKLES AUTOMOTIVE CO
2013 ECKLES AUTOMOTIVE CO

Type:
General Automotive Repair Shops
General Automotive Repair Shops

F53
SSW
< 1/8
0.024 mi.
128 ft.

U-STOW-N-LOCK
1260 W. JEFFERSON AVENUE
TRENTON, MI 48183

MI BEA **S105542131**
N/A

Site 1 of 3 in cluster F

Relative:
Higher

BEA:

Secondary Address: Not reported
BEA Number: 1685
District: Southeast MI
Date Received: 05/09/2002
Submitter Name: American Tower Corporation
Petition Determination: Affirmed
Petition Disclosure: 1
Category: No Hazardous Substance(s)
Determination 20107A: No Request
Reviewer: cartera2
Division Assigned: Environmental Response Division

Actual:
584 ft.

Map ID
Direction
Distance
Elevation

MAP FINDINGS

EDR ID Number
EPA ID Number

F54
SSW
< 1/8
0.024 mi.
128 ft.

1260 W. JEFFERSON
1260 WEST JEFFERSON
TRENTON, MI 48183

Site 2 of 3 in cluster F

MI INVENTORY **S114031097**
N/A

Relative: **INVENTORY:**
Higher Bea Number: Not reported
Township: Trenton
Actual: District: Southeast MI
584 ft. Data Source: Part 201
Latitude: 42.15715
Longitude: -83.17544

F55
SSW
< 1/8
0.024 mi.
128 ft.

U-STOW-N-LOCK
1260 W. JEFFERSON AVENUE
WAYNE (County), MI 48183

Site 3 of 3 in cluster F

MI INVENTORY **S114031098**
N/A

Relative: **INVENTORY:**
Higher Bea Number: 200201685LV
Township: Trenton
Actual: District: Southeast MI
584 ft. Data Source: BEA
Latitude: 42.15715
Longitude: -83.17544

D56
North
< 1/8
0.025 mi.
133 ft.

JIMS GARAGE
344 W JEFFERSON
TRENTON, MI 48183

Site 2 of 3 in cluster D

EDR Hist Auto **1020407803**
N/A

Relative: **EDR Hist Auto**
Higher

Actual:	Year:	Name:	Type:
589 ft.	1986	JIMS GARAGE	General Automotive Repair Shops
	1987	JIMS GARAGE	General Automotive Repair Shops
	1988	JIMS GARAGE	General Automotive Repair Shops
	1989	JIMS GARAGE	General Automotive Repair Shops
	1990	JIMS GARAGE	General Automotive Repair Shops
	1991	JIMS GARAGE	General Automotive Repair Shops
	1992	JIMS GARAGE	General Automotive Repair Shops
	1993	JIMS GARAGE	General Automotive Repair Shops
	1994	JIMS GARAGE	General Automotive Repair Shops
	1995	JIMS GARAGE	General Automotive Repair Shops
	1996	JIMS GARAGE	General Automotive Repair Shops
	1997	JIMS GARAGE	General Automotive Repair Shops
	1998	JIMS GARAGE	General Automotive Repair Shops
	1999	JIMS GARAGE	General Automotive Repair Shops
	2000	JIMS GARAGE	General Automotive Repair Shops
	2001	JIMS GARAGE INC	General Automotive Repair Shops
	2002	JIMS GARAGE INC	General Automotive Repair Shops
	2003	JIMS GARAGE INC	General Automotive Repair Shops
	2004	JIMS GARAGE INC	General Automotive Repair Shops
	2005	JIMS GARAGE INC	General Automotive Repair Shops
	2006	JIMS GARAGE INC	General Automotive Repair Shops

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

JIMS GARAGE (Continued)

1020407803

2007	JIMS GARAGE INC	General Automotive Repair Shops
2008	JIMS GARAGE INC	General Automotive Repair Shops
2009	JIMS GARAGE INC	General Automotive Repair Shops
2010	JIMS GARAGE INC	General Automotive Repair Shops
2011	JIMS GARAGE INC	General Automotive Repair Shops
2012	JIMS GARAGE INC	General Automotive Repair Shops
2013	JIMS GARAGE INC	General Automotive Repair Shops
2014	JIMS GARAGE INC	General Automotive Repair Shops

D57
North
< 1/8
0.047 mi.
247 ft.

D&K MANAGING CONSULTANTS LLC DBA MOTOR CTY PLT SVC
230 W JEFFERSON AVE
TRENTON, MI 48183

Site 3 of 3 in cluster D

RCRA-CESQG

1014392925
MIK879276384

Relative:
Higher

RCRA-CESQG:

Actual:
591 ft.

Date form received by agency: 05/26/2010
Facility name: D&K MANAGING CONSULTANTS LLC DBA MOTOR CTY PLT SVCS
Facility address: 230 W JEFFERSON AVE
TRENTON, MI 48183

EPA ID: MIK879276384
Contact: KEITH KOSKELA
Contact address: 230 W JEFFERSON AVE
TRENTON, MI 48183

Contact country: US
Contact telephone: (734) 915-8028
Contact email: Not reported
EPA Region: 05
Classification: Conditionally Exempt Small Quantity Generator
Description: Handler: generates 100 kg or less of hazardous waste per calendar month, and accumulates 1000 kg or less of hazardous waste at any time; or generates 1 kg or less of acutely hazardous waste per calendar month, and accumulates at any time: 1 kg or less of acutely hazardous waste; or 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste; or generates 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste during any calendar month, and accumulates at any time: 1 kg or less of acutely hazardous waste; or 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste

Owner/Operator Summary:

Owner/operator name: D & K MANAGING CONSULTANTS LLC
Owner/operator address: Not reported
Not reported
Owner/operator country: Not reported
Owner/operator telephone: Not reported
Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: 05/15/2010
Owner/Op end date: Not reported

Owner/operator name: D & K MANAGING CONSULTANTS LLC
Owner/operator address: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

D&K MANAGING CONSULTANTS LLC DBA MOTOR CTY PLT SVCS (Continued)

1014392925

Owner/operator country: Not reported
Owner/operator telephone: Not reported
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: 05/15/2010
Owner/Op end date: Not reported

Handler Activities Summary:

U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: Yes

Universal Waste Summary:

Waste type: Batteries
Accumulated waste on-site: Yes
Generated waste on-site: Yes

Waste type: Lamps
Accumulated waste on-site: Yes
Generated waste on-site: Yes

Waste code: D001
Waste name: IGNITABLE WASTE

Violation Status: No violations found

E58
North
< 1/8
0.050 mi.
262 ft.

1 WEST JEFFERSON, LLC
1 AND 110 WEST JEFFERSON AVENUE
WAYNE (County), MI 48183

MI INVENTORY S119009102
N/A

Site 2 of 8 in cluster E

Relative:
Higher

INVENTORY:

Bea Number: 201607104LV
Township: Trenton
District: Southeast MI
Data Source: BEA
Latitude: Not reported
Longitude: Not reported

Actual:
591 ft.

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

E59
North
< 1/8
0.050 mi.
262 ft.
MICHIGAN FUELS
1 AND 110 WEST JEFFERSON AVENUE
WAYNE (County), MI 48183
Site 3 of 8 in cluster E

MI INVENTORY **S119009636**
N/A

Relative: INVENTORY:
Higher Bea Number: 201607106LV
Township: Trenton
District: Southeast MI
Actual: Data Source: BEA
591 ft. Latitude: Not reported
Longitude: Not reported

E60
North
< 1/8
0.050 mi.
262 ft.
MICHIGAN FOUNDATION CONCRETE
110 W JEFFERSON AVE
TRENTON, MI 48183
Site 4 of 8 in cluster E

RCRA NonGen / NLR **1007099541**
MIK684576945

Relative: RCRA NonGen / NLR:
Higher Date form received by agency: 06/18/2001
Facility name: MICHIGAN FOUNDATION CONCRETE
Facility address: 110 W JEFFERSON AVE
TRENTON, MI 48183
EPA ID: MIK684576945
Contact: PAT DENISON
Contact address: 110 W JEFFERSON AVE
TRENTON, MI 48183
Contact country: US
Contact telephone: (734) 282-9104
Contact email: Not reported
EPA Region: 05
Classification: Non-Generator
Description: Handler: Non-Generators do not presently generate hazardous waste

Owner/Operator Summary:
Owner/operator name: MICHIGAN FOUNDATION CONCRETE
Owner/operator address: Not reported
Not reported
Owner/operator country: Not reported
Owner/operator telephone: Not reported
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: 06/18/2001
Owner/Op end date: Not reported

Owner/operator name: MICHIGAN FOUNDATION CONCRETE
Owner/operator address: Not reported
Not reported
Owner/operator country: Not reported
Owner/operator telephone: Not reported
Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: 06/18/2001
Owner/Op end date: Not reported

Handler Activities Summary:
U.S. importer of hazardous waste: No

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

MICHIGAN FOUNDATION CONCRETE (Continued)

1007099541

Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

. Waste code: D001
. Waste name: IGNITABLE WASTE

Violation Status: No violations found

E61
North
< 1/8
0.050 mi.
262 ft.

MICHIGAN FOUNDATION CO INC
110 W JEFFERSON
TRENTON, MI 48183

RCRA-CESQG
FINDS
ECHO

1000241439
MID004912028

Site 5 of 8 in cluster E

Relative:
Higher

RCRA-CESQG:

Actual:
591 ft.

Date form received by agency: 04/19/2004
Facility name: MICHIGAN FOUNDATION CO INC
Facility address: 110 W JEFFERSON
TRENTON, MI 48183
EPA ID: MID004912028
Mailing address: 110 W JEFFERSON AVE
TRENTON, MI 48183
Contact: EDWARD SKROBOT
Contact address: 110 W JEFFERSON
TRENTON, MI 48183
Contact country: US
Contact telephone: (734) 282-9104
Contact email: Not reported
EPA Region: 05
Classification: Conditionally Exempt Small Quantity Generator
Description: Handler: generates 100 kg or less of hazardous waste per calendar month, and accumulates 1000 kg or less of hazardous waste at any time; or generates 1 kg or less of acutely hazardous waste per calendar month, and accumulates at any time: 1 kg or less of acutely hazardous waste; or 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste; or generates 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste during any calendar month, and accumulates at any time: 1 kg or less of acutely hazardous waste; or 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste

Owner/Operator Summary:

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

MICHIGAN FOUNDATION CO INC (Continued)

1000241439

Owner/operator name: MICHIGAN FOUNDATION CO INC
Owner/operator address: Not reported
Not reported
Owner/operator country: Not reported
Owner/operator telephone: Not reported
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: 03/12/1924
Owner/Op end date: Not reported

Owner/operator name: MICHIGAN FOUNDATION CO INC
Owner/operator address: Not reported
Not reported
Owner/operator country: Not reported
Owner/operator telephone: Not reported
Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: 03/12/1924
Owner/Op end date: Not reported

Handler Activities Summary:

U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

. Waste code: D001
. Waste name: IGNITABLE WASTE

Historical Generators:

Date form received by agency: 08/28/2002
Site name: MICHIGAN FOUNDATION CO INC
Classification: Small Quantity Generator

. Waste code: D001
. Waste name: IGNITABLE WASTE

Date form received by agency: 12/11/1996
Site name: MICHIGAN FOUNDATION CO INC
Classification: Small Quantity Generator

. Waste code: D001
. Waste name: IGNITABLE WASTE

Violation Status: No violations found

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

MICHIGAN FOUNDATION CO INC (Continued)

1000241439

FINDS:

Registry ID: 110003578076

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.

[Click this hyperlink](#) while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

ECHO:

Envid: 1000241439
Registry ID: 110003578076
DFR URL: <http://echo.epa.gov/detailed-facility-report?fid=110003578076>

E62
North
< 1/8
0.050 mi.
262 ft.

MICH FOUNDATION CO / ED SKROBOT
110 W JEFFERSON AVE
TRENTON, MI 48183
Site 6 of 8 in cluster E

MI LUST **U003319380**
MI UST **N/A**
MI AIRS
MI WDS

Relative:
Higher

LUST:

Actual:
591 ft.

Facility ID: 00000831
Source: STATE OF MICHIGAN
Owner Name: Michigan Foundation Co Inc
Owner Address: PO Box 6349
Owner City,St,Zip: Plymouth, MI 48170
Owner Contact: Not reported
Owner Phone: (734) 357-2126
Country: USA
District: Region 1 - SE Michigan District Office
Site Name: Mich Foundation Co / Ed Skrobot
Latitude: 42.16935
Longitude: -83.17069
Date of Collection: 10/05/2004
Method of Collection: Address Matching-House Number
Accuracy: 100
Accuracy Value Unit: FEET
Horizontal Data: NAD83

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

MICH FOUNDATION CO / ED SKROBOT (Continued)

U003319380

Point Line Area: POINT
Desc Category: Plant Entrance (Freight)

Leak Number: C-0058-97
Release Date: 02/06/1997
Substance Released: Gasoline
Release Status: Closed
Release Closed Date: 10/18/2000

UST:

Facility ID: 00000831
Facility Type: CLOSED
Owner Name: MICHIGAN FOUNDATION CO INC
Owner Address: PO BOX 6349
Owner City,St,Zip: PLYMOUTH, MI 48170
Owner Country: USA
Owner Contact: Not reported
Owner Phone: (734) 357-2126
Contact: Not reported
Contact Phone: () -
Date of Collection: 10/05/2004
Accuracy: 100
Accuracy Value Unit: FEET
Horizontal Datum: NAD83
Source: STATE OF MICHIGAN
Point Line Area: POINT
Desc Category: Plant Entrance (Freight)
Method of Collection: Address Matching-House Number
Latitude: 42.16935
Longitude: -83.17069

Tank ID: 1
Tank Status: Removed from Ground
Capacity: 1000
Product: Gasoline
Install Date: 10/10/1959
Remove Date: 01/24/1997
Tank Release Detection: Not reported
Pipe Release Detection: Not reported
Piping Material: Galvanized Steel
Piping Type: Suction: No Valve At Tank
Construction Material: Asphalt Coated or Bare Steel
Impressed Device: No

AIRS:

State Registration Number: M1058
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-11402
Date Received: Not reported
Application Reason: Not reported
Record Type: Not reported
State County FIPS: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

MICH FOUNDATION CO / ED SKROBOT (Continued)

U003319380

Facility Category:	Not reported	
SIC Primary:	Not reported	
Tribal Code:	Not reported	
Facility Status:	Not reported	
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	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	

WDS:

Site Id:	MID004912028
WMD Id:	392961
Site Specific Name:	MICHIGAN FOUNDATION CO INC
Mailing Address:	110 W JEFFERSON AVE
Mailing City/State/Zip:	48183
Mailing County:	WAYNE
Site Id:	MIK684576945
WMD Id:	463796
Site Specific Name:	MICHIGAN FOUNDATION CONCRETE
Mailing Address:	110 W JEFFERSON AVE
Mailing City/State/Zip:	48183
Mailing County:	WAYNE

E63
North
< 1/8
0.050 mi.
262 ft.

FUELS TRANSPORTATION
1 AND 110 WEST JEFFERSON AVENUE
WAYNE (County), MI 48183

Site 7 of 8 in cluster E

MI INVENTORY **S119009599**
N/A

Relative: **INVENTORY:**
Higher Bea Number: 201607105LV
Township: Trenton
Actual: District: Southeast MI
591 ft.

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

FUELS TRANSPORTATION (Continued)

S119009599

Data Source: BEA
Latitude: Not reported
Longitude: Not reported

E64
North
< 1/8
0.050 mi.
262 ft.
MICHIGAN FOUNDATION CO
110 W JEFFERSON AVE
TRENTON, MI 48183
Site 8 of 8 in cluster E

MI AST **A100171841**
N/A

Relative:
Higher

AST:

Actual:
591 ft.

Facility ID: 91082065
Facility Phone: (734) 282-9100
Owner Name: MICHIGAN FOUNDATION CO
Owner Address: 110 W JEFFERSON AVE
Owner City,St,Zip: TRENTON, MI 48170
Owner County: USA
Owner Contact: Not reported
Owner Telephone: (734) 357-2126
District: Region 1 - SE Michigan District Office
Contact: Ed Skrobot
List Status: CLOSED
Date of Collection: 12/10/2007
Accuracy: 15 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: 42.1688366
Longitude: -83.171546

Tank Id: 1
Tank Status: Removed from Premises
Capacity (in gallons): 25000
Installation Date: Not reported
Substance Stored: FL
Removed/Closed Date: 09/08/2010

G65
SSW
< 1/8
0.072 mi.
380 ft.
TRENTON 1601 AND 1621 WEST JEFFERSON
1601/1621 WEST JEFFERSON AVENUE
TRENTON, MI 48183
Site 1 of 2 in cluster G

US BROWNFIELDS **1016351147**
FINDS **N/A**

Relative:
Lower

US BROWNFIELDS:

Actual:
581 ft.

Recipient name: Downriver Community Conference
Grant type: Assessment
Property name: TRENTON 1601 AND 1621 WEST JEFFERSON
Property #: Not reported
Parcel size: 22.72
Property Description: Not reported
Latitude: 42.154625
Longitude: -83.175034
HCM label: Not reported
Map scale: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

TRENTON 1601 AND 1621 WEST JEFFERSON (Continued)

1016351147

Point of reference:	Not reported
Datum:	Not reported
ACRES property ID:	13696
Start 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:	N/A
Accomplishment type:	Phase I Environmental Assessment
Accomplishment count:	0
Cooperative agreement #:	98538901
Ownership entity:	Not reported
Current owner:	Not reported
Did owner change:	Not reported
Cleanup required:	Not reported
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:	Unknown
State/tribal program date:	Not reported
State/tribal program ID:	Not reported
State/tribal NFA date:	Not reported
Air contaminated:	Not reported
Air cleaned:	Not reported
Asbestos found:	Not reported
Asbestos cleaned:	Not reported
Controlled substance found:	Not reported
Controlled substance cleaned:	Not reported
Drinking water affected:	Not reported
Drinking water cleaned:	Not reported
Groundwater affected:	Not reported
Groundwater cleaned:	Not reported
Lead contaminant found:	Not reported
Lead cleaned up:	Not reported
No media affected:	Not reported
Unknown media affected:	Not reported
Other cleaned up:	Not reported
Other metals found:	Not reported
Other metals cleaned:	Not reported
Other contaminants found:	Not reported
Other contams found description:	Not reported
PAHs found:	Not reported
PAHs cleaned up:	Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

TRENTON 1601 AND 1621 WEST JEFFERSON (Continued)

1016351147

PCBs found:	Not reported
PCBs cleaned up:	Not reported
Petro products found:	Not reported
Petro products cleaned:	Not reported
Sediments found:	Not reported
Sediments cleaned:	Not reported
Soil affected:	Not reported
Soil cleaned up:	Not reported
Surface water cleaned:	Not reported
VOCs found:	Not reported
VOCs cleaned:	Not reported
Cleanup other description:	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:	Not reported
Future use greenspace acreage:	Not reported
Future use residential acreage:	Not reported
Future use commercial acreage:	Not reported
Future use industrial acreage:	Not reported
Greenspace acreage and type:	Not reported
Superfund Fed. landowner flag:	Not reported
Arsenic cleaned up:	Not reported
Cadmium cleaned up:	Not reported
Chromium cleaned up:	Not reported
Copper cleaned up:	Not reported
Iron cleaned up:	Not reported
mercury cleaned up:	Not reported
nickel cleaned up:	Not reported
No clean up:	Not reported
Pesticides cleaned up:	Not reported
Selenium cleaned up:	Not reported
SVOCs cleaned up:	Not reported
Unknown clean up:	Not reported
Arsenic contaminant found:	Not reported
Cadmium contaminant found:	Not reported
Chromium contaminant found:	Not reported
Copper contaminant found:	Not reported
Iron contaminant found:	Not reported
Mercury contaminant found:	Not reported
Nickel contaminant found:	Not reported
No contaminant found:	Not reported
Pesticides contaminant found:	Not reported
Selenium contaminant found:	Not reported
SVOCs contaminant found:	Not reported
Unknown contaminant found:	Not reported
Future Use: Multistory	Not reported
Media affected Bluiding Material:	Not reported
Media affected indoor air:	Not reported
Building material media cleaned up:	Not reported
Indoor air media cleaned up:	Not reported
Unknown media cleaned up:	Not reported
Past Use: Multistory	Not reported
Highlights:	Not reported
IC Data Address:	Not reported
Redev Completion Date:	Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

TRENTON 1601 AND 1621 WEST JEFFERSON (Continued)

1016351147

Below Poverty: 65
% Below Poverty: 8.4%
Low Income: 137
% Low Income: 4.0%
Median Income: 3081
Unemployed: 52
% Unemployed: 10.5%
Vacant Housing: 1
% Vacant Housing: 546.0%

FINDS:

Registry ID: 110039532379

Environmental Interest/Information System

US EPA Assessment, Cleanup and Redevelopment Exchange System (ACRES)
is an federal online database for Brownfields Grantees to
electronically submit data directly to EPA.

[Click this hyperlink](#) while viewing on your computer to access
additional FINDS: detail in the EDR Site Report.

**G66
SSW
< 1/8
0.072 mi.
380 ft.**

**EDWARD C LEVY CO
1601 W JEFFERSON AVE
TRENTON, MI 48183
Site 2 of 2 in cluster G**

**CORRACTS 1000439956
RCRA-TSDF MID000721753
RCRA NonGen / NLR
RAATS**

**Relative:
Lower**

CORRACTS:

**Actual:
581 ft.**

EPA ID: MID000721753
EPA Region: 5
Area Name: ENTIRE FACILITY
Actual Date: 20090501
Action: CA070NO - RFA Determination Of Need For An RFI, RFI is Not Necessary
NAICS Code(s): 44419
Other Building Material Dealers
Original schedule date: Not reported
Schedule end date: Not reported

EPA ID: MID000721753
EPA Region: 5
Area Name: ENTIRE FACILITY
Actual Date: 19920331
Action: CA075LO - CA Prioritization, Facility or area was assigned a low
corrective action priority
NAICS Code(s): 44419
Other Building Material Dealers
Original schedule date: Not reported
Schedule end date: Not reported

RCRA-TSDF:

Date form received by agency: 01/01/1995
Facility name: EDWARD C LEVY CO
Facility address: 1601 W JEFFERSON AVE

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

EDWARD C LEVY CO (Continued)

1000439956

TRENTON, MI 48183
EPA ID: MID000721753
Mailing address: 8800 DIX ST
DETROIT, MI 48209
Contact: TRICIA EDWARDS
Contact address: 1601 W JEFFERSON AVE
TRENTON, MI 48183
Contact country: US
Contact telephone: (313) 843-7200
Contact email: Not reported
EPA Region: 05
Land type: Other land type
Classification: TSDF
Description: Handler is engaged in the treatment, storage or disposal of hazardous waste
Classification: Non-Generator
Description: Handler: Non-Generators do not presently generate hazardous waste

Owner/Operator Summary:

Owner/operator name: NO ACTIVE O/OP AS NOT GENERATING WASTE
Owner/operator address: Not reported
Not reported
Owner/operator country: Not reported
Owner/operator telephone: Not reported
Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: 01/02/1995
Owner/Op end date: Not reported

Owner/operator name: NO ACTIVE O/OP AS NOT GENERATING WASTE
Owner/operator address: Not reported
Not reported
Owner/operator country: Not reported
Owner/operator telephone: Not reported
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: 01/02/1995
Owner/Op end date: Not reported

Handler Activities Summary:

U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

EDWARD C LEVY CO (Continued)

1000439956

. Waste code: D001
. Waste name: IGNITABLE WASTE

Historical Generators:

Date form received by agency: 11/19/1980
Site name: EDWARD C LEVY CO
Classification: Not a generator, verified

. Waste code: D001
. Waste name: IGNITABLE WASTE

Date form received by agency: 08/18/1980
Site name: EDWARD C LEVY CO
Classification: Not a generator, verified

. Waste code: D001
. Waste name: IGNITABLE WASTE

Corrective Action Summary:

Event date: 03/31/1992
Event: CA Prioritization, Facility or area was assigned a low corrective action priority.

Event date: 05/01/2009
Event: RFA Determination Of Need For An RFI, RFI is Not Necessary;

Facility Has Received Notices of Violations:

Regulation violated: Not reported
Area of violation: State Statute or Regulation
Date violation determined: 12/18/2001
Date achieved compliance: Not reported
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 12/18/2001
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: TSD - Financial Requirements
Date violation determined: 03/22/1990
Date achieved compliance: 06/04/1990
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 03/22/1990
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

EDWARD C LEVY CO (Continued)

1000439956

Area of violation: TSD - Financial Requirements
Date violation determined: 09/25/1989
Date achieved compliance: 06/04/1990
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 09/25/1989
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: TSD - Financial Requirements
Date violation determined: 08/09/1988
Date achieved compliance: 06/04/1990
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 03/31/1989
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: TSD - Closure/Post-Closure
Date violation determined: 06/24/1986
Date achieved compliance: 08/06/1987
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 07/10/1986
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: TSD - General
Date violation determined: 06/24/1986
Date achieved compliance: 08/06/1987
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 07/10/1986
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: TSD IS-Ground-Water Monitoring

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

EDWARD C LEVY CO (Continued)

1000439956

Date violation determined: 06/24/1986
Date achieved compliance: 08/06/1987
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 07/10/1986
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: TSD IS-Ground-Water Monitoring
Date violation determined: 06/24/1986
Date achieved compliance: 08/06/1987
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 09/23/1986
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: TSD - Closure/Post-Closure
Date violation determined: 06/24/1986
Date achieved compliance: 08/06/1987
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 09/23/1986
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: TSD - General
Date violation determined: 06/24/1986
Date achieved compliance: 08/06/1987
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 09/23/1986
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: TSD - General
Date violation determined: 08/16/1985

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

EDWARD C LEVY CO (Continued)

1000439956

Date achieved compliance: 11/07/1985
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 08/27/1985
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: TSD - General
Date violation determined: 08/16/1985
Date achieved compliance: 11/07/1985
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 10/03/1985
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: TSD IS-Ground-Water Monitoring
Date violation determined: 04/03/1984
Date achieved compliance: 06/17/1985
Violation lead agency: State
Enforcement action: FINAL 3008(A) COMPLIANCE ORDER
Enforcement action date: 07/13/1987
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: EPA
Proposed penalty amount: 16300
Final penalty amount: 11410
Paid penalty amount: 11410

Regulation violated: Not reported
Area of violation: TSD IS-Ground-Water Monitoring
Date violation determined: 04/03/1984
Date achieved compliance: 06/17/1985
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 04/13/1984
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: EPA
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: TSD IS-Ground-Water Monitoring
Date violation determined: 04/03/1984
Date achieved compliance: 06/17/1985

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

EDWARD C LEVY CO (Continued)

1000439956

Violation lead agency: State
Enforcement action: INITIAL 3008(A) COMPLIANCE
Enforcement action date: 10/24/1986
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: EPA
Proposed penalty amount: 16300
Final penalty amount: 11410
Paid penalty amount: 11410

Evaluation Action Summary:

Evaluation date: 12/18/2001
Evaluation: NON-FINANCIAL RECORD REVIEW
Area of violation: State Statute or Regulation
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 03/22/1990
Evaluation: FINANCIAL RECORD REVIEW
Area of violation: TSD - Financial Requirements
Date achieved compliance: 06/04/1990
Evaluation lead agency: State

Evaluation date: 03/20/1990
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 10/10/1989
Evaluation: GROUNDWATER MONITORING EVALUATION
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 09/25/1989
Evaluation: FINANCIAL RECORD REVIEW
Area of violation: TSD - Financial Requirements
Date achieved compliance: 06/04/1990
Evaluation lead agency: State

Evaluation date: 07/11/1989
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 08/09/1988
Evaluation: FINANCIAL RECORD REVIEW
Area of violation: TSD - Financial Requirements
Date achieved compliance: 06/04/1990
Evaluation lead agency: State

Evaluation date: 08/09/1988
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

EDWARD C LEVY CO (Continued)

1000439956

Evaluation lead agency: State

Evaluation date: 02/03/1988
Evaluation: NON-FINANCIAL RECORD REVIEW
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 11/06/1987
Evaluation: NON-FINANCIAL RECORD REVIEW
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 09/29/1987
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 08/06/1987
Evaluation: GROUNDWATER MONITORING EVALUATION
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 06/24/1986
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: TSD - General
Date achieved compliance: 08/06/1987
Evaluation lead agency: State

Evaluation date: 06/24/1986
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: TSD - Closure/Post-Closure
Date achieved compliance: 08/06/1987
Evaluation lead agency: State

Evaluation date: 06/24/1986
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: TSD IS-Ground-Water Monitoring
Date achieved compliance: 08/06/1987
Evaluation lead agency: State

Evaluation date: 03/17/1986
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: EPA Contractor/Grantee

Evaluation date: 08/16/1985
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: TSD - General
Date achieved compliance: 11/07/1985
Evaluation lead agency: State

Evaluation date: 04/03/1984

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

EDWARD C LEVY CO (Continued)

1000439956

Evaluation: FINANCIAL RECORD REVIEW
Area of violation: TSD IS-Ground-Water Monitoring
Date achieved compliance: 06/17/1985
Evaluation lead agency: State

H67
SSW
1/8-1/4
0.134 mi.
710 ft.

FRITZ ENTERPRISES INC
1650 W JEFFERSON
TRENTON, MI 48183
Site 1 of 4 in cluster H

RCRA NonGen / NLR

1016958411
MIK789395311

Relative:
Lower

RCRA NonGen / NLR:

Date form received by agency: 08/27/2014

Facility name: FRITZ ENTERPRISES INC

Facility address: 1650 W JEFFERSON

TRENTON, MI 48183

EPA ID: MIK789395311

Contact: RICK K MIAL

Contact address: Not reported

Not reported

Contact country: Not reported

Contact telephone: (734) 362-3200

Telephone ext.: 3228

Contact email: RICK@FRITZINC.COM

EPA Region: 05

Classification: Non-Generator

Description: Handler: Non-Generators do not presently generate hazardous waste

Owner/Operator Summary:

Owner/operator name: FRITZ ENTERPRISES INC

Owner/operator address: Not reported

Not reported

Owner/operator country: Not reported

Owner/operator telephone: Not reported

Legal status: Private

Owner/Operator Type: Owner

Owner/Op start date: 04/01/2000

Owner/Op end date: Not reported

Owner/operator name: FRITZ ENTERPRISES INC

Owner/operator address: Not reported

Not reported

Owner/operator country: Not reported

Owner/operator telephone: Not reported

Legal status: Private

Owner/Operator Type: Operator

Owner/Op start date: 04/01/2000

Owner/Op end date: Not reported

Handler Activities Summary:

U.S. importer of hazardous waste: No

Mixed waste (haz. and radioactive): No

Recycler of hazardous waste: No

Transporter of hazardous waste: No

Treater, storer or disposer of HW: No

Underground injection activity: No

On-site burner exemption: No

Furnace exemption: No

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

FRITZ ENTERPRISES INC (Continued)

1016958411

Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

. Waste code: D001
. Waste name: IGNITABLE WASTE

Violation Status: No violations found

H68
SSW
1/8-1/4
0.134 mi.
710 ft.

FRITZ ENTERPRISES, INC.
1650 WEST JEFFERSON
TRENTON, MI 48183

MI SWRCY S116602746
N/A

Site 2 of 4 in cluster H

Relative:
Lower

SWRCY:
SR No: 47
Contact Phone1: 734-362-3200
Location Description: 526 miles away
Materials Accepted: Aluminum, Stainless Steel, White Goods
Services: Not reported
Collection: Not reported
Service Area: Not reported

Actual:
582 ft.

SWRCY:
SR No 2: 47
Material: Metals - Aluminum
Service: Collector
Drop Off/Pick Up: Drop-off
Minimum Quantity: None
Unit: None
Service Area: DICKINSON

SR No 2: 47
Material: Metals - Aluminum Cans
Service: Collector
Drop Off/Pick Up: Drop-off
Minimum Quantity: None
Unit: None
Service Area: DICKINSON

SR No 2: 47
Material: Metals - Brass
Service: Collector
Drop Off/Pick Up: Drop-off
Minimum Quantity: None
Unit: None
Service Area: DICKINSON

SR No 2: 47
Material: Metals - Copper
Service: Collector
Drop Off/Pick Up: Drop-off
Minimum Quantity: None
Unit: None

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

FRITZ ENTERPRISES, INC. (Continued)

S116602746

Service Area: DICKINSON

SR No 2: 47
Material: Metals - Iron
Service: Collector
Drop Off/Pick Up: Drop-off
Minimum Quantity: None
Unit: None
Service Area: DICKINSON

SR No 2: 47
Material: Metals - White Goods
Service: Collector
Drop Off/Pick Up: Drop-off
Minimum Quantity: None
Unit: None
Service Area: DICKINSON

H69
SSW
1/8-1/4
0.134 mi.
710 ft.

MCLOUTH STEEL TRENTON (FORMER) - PARCEL C
1650 WEST JEFFERSON AVENUE
TRENTON, MI 48183

MI AUL S118491612
N/A

Site 3 of 4 in cluster H

Relative:
Lower

AUL:

Actual:
582 ft.

Status: Rescinded
Site Name: McLouth Steel Trenton (Former)
Property: On-Site
Land Use Restriction Type: RC
Program Type: Part 201
Program Support Assigned User: Nicholas Ekel
Program Support Assigned Date: 01/14/2016
Legal Description Of Property: Site Address
Based On The Deq Ref #: 11520189001
MDEQ Reference Number: RC-SF-201-89-001
Property Or Description Restricted Area: Not reported
Lead Division: SF
File Name Of Hyperlinked Legal Doc: U:\KERMITE\11520189001.PDF
Mapped Polygons Area In Acres: 340.16770000000002
Mapped Polygons Area In Square Miles: 0.5314999999999997
Date Data Entry Started: 01/15/2016
Date Data Entry Finished: 01/15/2016
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: 12/06/1989
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: 0
Recreational Land Use Restriction: 0
Multiple Land-Use Restrictions: 0
Site Specific Restrictions: 1
Groundwater Consumption Restrictions: 0
Groundwater Contact Restrictions: 0
Special Well Construction Requirements: 0

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

MCLOUTH STEEL TRENTON (FORMER) - PARCEL C (Continued)

S118491612

Special Building Restrictions: 0
Excavation And Soil Movement Restrictions: 1
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
Map Comments: 20160114 - LRUR is NOT mapped in KERMIT - Nick Ekel 20160114 - LRUR status has been updated to show the recission - Nick Ekel 20160115 - LRUR is mapped in KERMIT - Nick Ekel
Comment: 20160114 - Restriction was submitted by Cindy Fairbanks of RRD-Superfund - Nick Ekel

70
NW
1/8-1/4
0.156 mi.
823 ft.

**DETROIT EDISON COMPANY
502 QUARRY ROAD
TRENTON, MI 48183**

**SEMS-ARCHIVE 1000366941
RCRA-CESQG MID000722462**

**Relative:
Higher**

SEMS-ARCHIVE:
Site ID: 502195
EPA ID: MID000722462
Federal Facility: N
NPL: Not on the NPL
Non NPL Status: NFRAP-Site does not qualify for the NPL based on existing information

**Actual:
608 ft.**

Following information was gathered from the prior CERCLIS update completed in 10/2013:

Site ID: 0502195
Federal Facility: Not a Federal Facility
NPL Status: Not on the NPL
Non NPL Status: NFRAP-Site does not qualify for the NPL based on existing information

CERCLIS-NFRAP Site Alias Name(s):

Alias Name: SIBLEY QUARRY
Alias Address: FORT ST & SIBLEY RD
RIVERVIEW, MI 48192

Alias Name: DETROIT EDISON CO
Alias Address: 2000 SECOND AVE
WAYNE, MI 48226

Alias Name: DETROIT EDISON CO
Alias Address: 502 QUARRY RD
TRENTON, MI 48183

Program Priority:
Description: Great Lakes

CERCLIS-NFRAP Assessment History:

Action: DISCOVERY
Date Started: / /
Date Completed: 04/01/79
Priority Level: Not reported

Action: ARCHIVE SITE

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

DETROIT EDISON COMPANY (Continued)

1000366941

Date Started: / /
Date Completed: 12/16/87
Priority Level: Not reported

Action: PRELIMINARY ASSESSMENT
Date Started: / /
Date Completed: 12/16/87
Priority Level: NFRAP-Site does not qualify for the NPL based on existing information

RCRA-CESQG:

Date form received by agency: 09/30/2002
Facility name: DETROIT EDISON CO
Facility address: 803 FORT ST
TRENTON, MI 48183

EPA ID: MID000722462
Mailing address: 1 ENERGY PLZ
DETROIT, MI 48226

Contact: PATRICK TIERNEY
Contact address: 803 FORT ST
TRENTON, MI 48183

Contact country: US
Contact telephone: (313) 235-5573
Contact email: Not reported
EPA Region: 05
Classification: Conditionally Exempt Small Quantity Generator
Description: Handler: generates 100 kg or less of hazardous waste per calendar month, and accumulates 1000 kg or less of hazardous waste at any time; or generates 1 kg or less of acutely hazardous waste per calendar month, and accumulates at any time: 1 kg or less of acutely hazardous waste; or 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste; or generates 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste during any calendar month, and accumulates at any time: 1 kg or less of acutely hazardous waste; or 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste

Owner/Operator Summary:

Owner/operator name: DETROIT EDISON COMPANY
Owner/operator address: Not reported
Not reported
Owner/operator country: Not reported
Owner/operator telephone: Not reported
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: 01/01/1997
Owner/Op end date: Not reported

Owner/operator name: DETROIT EDISON COMPANY
Owner/operator address: Not reported
Not reported
Owner/operator country: Not reported
Owner/operator telephone: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

DETROIT EDISON COMPANY (Continued)

1000366941

Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: 01/01/1997
Owner/Op end date: Not reported

Handler Activities Summary:

U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Universal Waste Summary:

Waste type: Batteries
Accumulated waste on-site: Yes
Generated waste on-site: Yes

Waste type: Lamps
Accumulated waste on-site: Yes
Generated waste on-site: Yes

. Waste code: D001
. Waste name: IGNITABLE WASTE

Historical Generators:

Date form received by agency: 09/24/2002
Site name: DETROIT EDISON CO
Classification: Small Quantity Generator

. Waste code: D001
. Waste name: IGNITABLE WASTE

Date form received by agency: 09/16/2002
Site name: DETROIT EDISON CO
Classification: Small Quantity Generator

. Waste code: D001
. Waste name: IGNITABLE WASTE

Date form received by agency: 04/29/2002
Site name: DETROIT EDISON CO
Classification: Small Quantity Generator

. Waste code: D001
. Waste name: IGNITABLE WASTE

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

DETROIT EDISON COMPANY (Continued)

1000366941

Date form received by agency: 04/05/2001
Site name: DETROIT EDISON CO
Classification: Not a generator, verified

. Waste code: D001
. Waste name: IGNITABLE WASTE

Date form received by agency: 09/17/1998
Site name: DETROIT EDISON CO
Classification: Not a generator, verified

. Waste code: D001
. Waste name: IGNITABLE WASTE

Date form received by agency: 08/18/1980
Site name: DETROIT EDISON CO
Classification: Small Quantity Generator

. Waste code: D001
. Waste name: IGNITABLE WASTE

Violation Status: No violations found

H71
SSW
1/8-1/4
0.159 mi.
842 ft.

TRENTON RIVERSIDE SITE
1737-1769 W. JEFFERSON AVENUE
TRENTON, MI
Site 4 of 4 in cluster H

MI BROWNFIELDS
MI PART 201
MI INVENTORY

S107135862
N/A

Relative:
Lower

BROWNFIELDS:
Facility ID: Not reported
Region: 1
Status: Not reported
Property Use: Not reported
BEA: No
Ernie Id Number: 82001674

Actual:
583 ft.

PART 201:
Facility ID: 82001674
Facility Status: **Interim Response conducted - No further activities anticipated**
Source: Refuse Systems
SAM Score: 18
SAM Score Date: 03/05/2004
Township: Not reported
Range: Not reported
Section: Not reported
Quarter: Not reported
Quarter/Quarter: Not reported
Pollutants: Not reported

INVENTORY:
Bea Number: Not reported
Township: Trenton
District: Southeast MI
Data Source: Part 201
Latitude: 42.14376
Longitude: -83.17761

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

72
North
1/8-1/4
0.238 mi.
1258 ft.

PANCHO'S MEXICAN RESTAURANT
3848-3902 BIDDLE ST
WYANDOTTE, MI 48101

MI LUST
MI UST

U003868303
N/A

Relative:
Higher

LUST:

Facility ID: 00041140
Source: STATE OF MICHIGAN
Owner Name: Jose Longoria
Owner Address: 3935 Wall
Owner City,St,Zip: Allen Park, MI 48101
Owner Contact: Jose Longoria
Owner Phone: 313-928-8157
Country: USA
District: Region 1 - SE Michigan District Office
Site Name: Pancho's Mexican Restaurant
Latitude: 42.17428
Longitude: -83.16871
Date of Collection: 10/05/2004
Method of Collection: Address Matching-House Number
Accuracy: 100
Accuracy Value Unit: FEET
Horizontal Data: NAD83
Point Line Area: POINT
Desc Category: Plant Entrance (Freight)

Leak Number: C-0273-02
Release Date: 05/30/2002
Substance Released: Gasoline
Release Status: Closed
Release Closed Date: 06/19/2003

UST:

Facility ID: 00041140
Facility Type: CLOSED
Owner Name: JOSE LONGORIA
Owner Address: 3935 WALL
Owner City,St,Zip: ALLEN PARK, MI 48101
Owner Country: USA
Owner Contact: Jose Longoria
Owner Phone: 313-928-8157
Contact: Jeff Stump
Contact Phone: 810-757-7340
Date of Collection: 10/05/2004
Accuracy: 100
Accuracy Value Unit: FEET
Horizontal Datum: NAD83
Source: STATE OF MICHIGAN
Point Line Area: POINT
Desc Category: Plant Entrance (Freight)
Method of Collection: Address Matching-House Number
Latitude: 42.17428
Longitude: -83.16871

Tank ID: 1
Tank Status: **Removed from Ground**
Capacity: 4000
Product: Gasoline
Install Date: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

PANCHO'S MEXICAN RESTAURANT (Continued)

U003868303

Remove Date: 05/14/2002
Tank Release Detection: Not reported
Pipe Realease Detection: Not reported
Piping Material: Not reported
Piping Type: Not reported
Construction Material: Not reported
Impressed Device: No

Tank ID: 2
Tank Status: Removed from Ground
Capacity: 4000
Product: Gasoline
Install Date: Not reported
Remove Date: 05/14/2002
Tank Release Detection: Not reported
Pipe Realease Detection: Not reported
Piping Material: Not reported
Piping Type: Not reported
Construction Material: Not reported
Impressed Device: No

Tank ID: 3
Tank Status: Removed from Ground
Capacity: 4000
Product: Gasoline
Install Date: Not reported
Remove Date: 05/14/2002
Tank Release Detection: Not reported
Pipe Realease Detection: Not reported
Piping Material: Not reported
Piping Type: Not reported
Construction Material: Not reported
Impressed Device: No

Tank ID: 4
Tank Status: Removed from Ground
Capacity: 125
Product: Used Oil
Install Date: Not reported
Remove Date: 05/14/2002
Tank Release Detection: Not reported
Pipe Realease Detection: Not reported
Piping Material: Not reported
Piping Type: Not reported
Construction Material: Not reported
Impressed Device: No

Map ID
Direction
Distance
Elevation

MAP FINDINGS

EDR ID Number
EPA ID Number

I73
North
1/8-1/4
0.241 mi.
1273 ft.

ANDYS CUSTOM BODY
18759 KRAUSE ST
RIVERVIEW, MI 48193

RCRA NonGen / NLR
FINDS
ECHO

1000451686
MID985584747

Site 1 of 3 in cluster I

Relative:
Higher

RCRA NonGen / NLR:

Date form received by agency: 09/17/1998

Facility name: ANDYS CUSTOM BODY

Facility address: 18759 KRAUSE ST
RIVERVIEW, MI 48193

EPA ID: MID985584747

Contact: ANDY GLOSKAY

Contact address: 18759 KRAUSE ST
RIVERVIEW, MI 48193

Contact country: US

Contact telephone: (313) 283-2985

Contact email: Not reported

EPA Region: 05

Land type: Private

Classification: Non-Generator

Description: Handler: Non-Generators do not presently generate hazardous waste

Owner/Operator Summary:

Owner/operator name: GLOSKAY ANDY

Owner/operator address: Not reported

Not reported

Owner/operator country: Not reported

Owner/operator telephone: Not reported

Legal status: Private

Owner/Operator Type: Owner

Owner/Op start date: 01/01/1970

Owner/Op end date: Not reported

Owner/operator name: GLOSKAY ANDY

Owner/operator address: Not reported

Not reported

Owner/operator country: Not reported

Owner/operator telephone: Not reported

Legal status: Private

Owner/Operator Type: Operator

Owner/Op start date: 01/01/1970

Owner/Op end date: Not reported

Handler Activities Summary:

U.S. importer of hazardous waste: No

Mixed waste (haz. and radioactive): No

Recycler of hazardous waste: No

Transporter of hazardous waste: No

Treater, storer or disposer of HW: No

Underground injection activity: No

On-site burner exemption: No

Furnace exemption: No

Used oil fuel burner: No

Used oil processor: No

User oil refiner: No

Used oil fuel marketer to burner: No

Used oil Specification marketer: No

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

ANDYS CUSTOM BODY (Continued)

1000451686

Used oil transfer facility: No
Used oil transporter: No

. Waste code: D001
. Waste name: IGNITABLE WASTE

Historical Generators:

Date form received by agency: 08/14/1990
Site name: ANDYS CUSTOM BODY
Classification: Small Quantity Generator

. Waste code: D001
. Waste name: IGNITABLE WASTE

Facility Has Received Notices of Violations:

Regulation violated: Not reported
Area of violation: Used Oil - Generators
Date violation determined: 04/25/2013
Date achieved compliance: 04/11/2014
Violation lead agency: State
Enforcement action: Not reported
Enforcement action date: 04/11/2014
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: State Statute or Regulation
Date violation determined: 04/25/2013
Date achieved compliance: 04/11/2014
Violation lead agency: State
Enforcement action: Not reported
Enforcement action date: 04/11/2014
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: State Statute or Regulation
Date violation determined: 04/25/2013
Date achieved compliance: 04/11/2014
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 05/08/2013
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

ANDYS CUSTOM BODY (Continued)

1000451686

Regulation violated: Not reported
Area of violation: Used Oil - Generators
Date violation determined: 04/25/2013
Date achieved compliance: 04/11/2014
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 05/08/2013
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Evaluation Action Summary:

Evaluation date: 04/25/2013
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Used Oil - Generators
Date achieved compliance: 04/11/2014
Evaluation lead agency: State

Evaluation date: 04/25/2013
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: State Statute or Regulation
Date achieved compliance: 04/11/2014
Evaluation lead agency: State

FINDS:

Registry ID: 110003643807

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: 1000451686
Registry ID: 110003643807
DFR URL: <http://echo.epa.gov/detailed-facility-report?fid=110003643807>

Map ID
Direction
Distance
Elevation

MAP FINDINGS

EDR ID Number
EPA ID Number

I74
North
1/8-1/4
0.241 mi.
1273 ft.

ASH-STEVENS, INC
18655 KRAUSE ST.
RIVERVIEW, MI 48193

Site 2 of 3 in cluster I

RCRA-LQG
FINDS
ECHO

1000465122
MID985597368

Relative:
Higher

RCRA-LQG:

Date form received by agency: 05/10/2016

Facility name: ASH STEVENS INC

Facility address: 18655 KRAUSE ST
RIVERVIEW, MI 48193

EPA ID: MID985597368

Contact: JAMES MOORE

Contact address: Not reported

Contact address: Not reported

Contact country: Not reported

Contact telephone: (734) 282-5430

Telephone ext.: 1178

Contact email: JMOORE@ASHSTEVENS.COM

EPA Region: 05

Land type: Private

Classification: Large Quantity Generator

Description: Handler: generates 1,000 kg or more of hazardous waste during any calendar month; or generates more than 1 kg of acutely hazardous waste during any calendar month; or generates more than 100 kg of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste during any calendar month; or generates 1 kg or less of acutely hazardous waste during any calendar month, and accumulates more than 1 kg of acutely hazardous waste at any time; or generates 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste during any calendar month, and accumulates more than 100 kg of that material at any time

Owner/Operator Summary:

Owner/operator name: ASH STEVENS INC

Owner/operator address: Not reported

Owner/operator address: Not reported

Owner/operator country: Not reported

Owner/operator telephone: Not reported

Legal status: Private

Owner/Operator Type: Operator

Owner/Op start date: 10/15/1990

Owner/Op end date: Not reported

Owner/operator name: ASH STEVENS INC

Owner/operator address: Not reported

Owner/operator address: Not reported

Owner/operator country: Not reported

Owner/operator telephone: Not reported

Legal status: Private

Owner/Operator Type: Owner

Owner/Op start date: 10/15/1990

Owner/Op end date: Not reported

Handler Activities Summary:

U.S. importer of hazardous waste: No

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

ASH-STEVENS, INC (Continued)

1000465122

Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

. Waste code: D001
. Waste name: IGNITABLE WASTE

Historical Generators:

Date form received by agency: 02/11/2016
Site name: ASH STEVENS INC
Classification: Large Quantity Generator

. Waste code: D001
. Waste name: IGNITABLE WASTE

. Waste code: D002
. Waste name: CORROSIVE WASTE

. Waste code: D003
. Waste name: REACTIVE WASTE

. Waste code: D004
. Waste name: ARSENIC

. Waste code: D028
. Waste name: 1,2-DICHLOROETHANE

. Waste code: F001
. Waste name: THE FOLLOWING SPENT HALOGENATED SOLVENTS USED IN DEGREASING: TETRACHLOROETHYLENE, TRICHLOROETHYLENE, METHYLENE CHLORIDE, 1,1,1-TRICHLOROETHANE, CARBON TETRACHLORIDE AND CHLORINATED FLUOROCARBONS; ALL SPENT SOLVENT MIXTURES/BLENDS USED IN DEGREASING CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE HALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F002, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

. Waste code: F002
. Waste name: THE FOLLOWING SPENT HALOGENATED SOLVENTS: TETRACHLOROETHYLENE, METHYLENE CHLORIDE, TRICHLOROETHYLENE, 1,1,1-TRICHLOROETHANE, CHLOROBENZENE, 1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE, ORTHO-DICHLOROBENZENE, TRICHLOROFLUOROMETHANE, AND 1,1,2, TRICHLOROETHANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE HALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

ASH-STEVENS, INC (Continued)

1000465122

SPENT SOLVENT MIXTURES.

. Waste code: F003
. Waste name: THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: XYLENE, ACETONE, ETHYL ACETATE, ETHYL BENZENE, ETHYL ETHER, METHYL ISOBUTYL KETONE, N-BUTYL ALCOHOL, CYCLOHEXANONE, AND METHANOL; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONLY THE ABOVE SPENT NONHALOGENATED SOLVENTS; AND ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS, AND A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THOSE SOLVENTS LISTED IN F001, F002, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

. Waste code: F005
. Waste name: THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: TOLUENE, METHYL ETHYL KETONE, CARBON DISULFIDE, ISOBUTANOL, PYRIDINE, BENZENE, 2-ETHOXYETHANOL, AND 2-NITROPROPANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F002, OR F004; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

. Waste code: U006
. Waste name: ACETYL CHLORIDE (C,R,T)

. Waste code: U070
. Waste name: BENZENE, 1,2-DICHLORO- (OR) O-DICHLOROBENZENE

. Waste code: U122
. Waste name: FORMALDEHYDE

. Waste code: U134
. Waste name: HYDROFLUORIC ACID (C,T) (OR) HYDROGEN FLUORIDE (C,T)

. Waste code: U213
. Waste name: FURAN, TETRAHYDRO-(I) (OR) TETRAHYDROFURAN (I)

Date form received by agency: 06/03/2015
Site name: ASH STEVENS INC
Classification: Large Quantity Generator

. Waste code: D001
. Waste name: IGNITABLE WASTE

Date form received by agency: 07/16/2014
Site name: ASH STEVENS INC
Classification: Large Quantity Generator

. Waste code: D001
. Waste name: IGNITABLE WASTE

Date form received by agency: 02/28/2014
Site name: ASH STEVENS INC
Classification: Large Quantity Generator

. Waste code: D001

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

ASH-STEVENS, INC (Continued)

1000465122

- . Waste name: IGNITABLE WASTE
- . Waste code: D002
- . Waste name: CORROSIVE WASTE
- . Waste code: D003
- . Waste name: REACTIVE WASTE
- . Waste code: D004
- . Waste name: ARSENIC
- . Waste code: D005
- . Waste name: BARIUM
- . Waste code: D007
- . Waste name: CHROMIUM
- . Waste code: D009
- . Waste name: MERCURY
- . Waste code: D026
- . Waste name: CRESOL
- . Waste code: D028
- . Waste name: 1,2-DICHLOROETHANE
- . Waste code: F002
- . Waste name: THE FOLLOWING SPENT HALOGENATED SOLVENTS: TETRACHLOROETHYLENE, METHYLENE CHLORIDE, TRICHLOROETHYLENE, 1,1,1-TRICHLOROETHANE, CHLOROBENZENE, 1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE, ORTHO-DICHLOROBENZENE, TRICHLOROFLUOROMETHANE, AND 1,1,2, TRICHLOROETHANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE HALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.
- . Waste code: F003
- . Waste name: THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: XYLENE, ACETONE, ETHYL ACETATE, ETHYL BENZENE, ETHYL ETHER, METHYL ISOBUTYL KETONE, N-BUTYL ALCOHOL, CYCLOHEXANONE, AND METHANOL; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONLY THE ABOVE SPENT NONHALOGENATED SOLVENTS; AND ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS, AND A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THOSE SOLVENTS LISTED IN F001, F002, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.
- . Waste code: F005
- . Waste name: THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: TOLUENE, METHYL ETHYL KETONE, CARBON DISULFIDE, ISOBUTANOL, PYRIDINE, BENZENE, 2-ETHOXYETHANOL, AND 2-NITROPROPANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F002, OR F004; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

ASH-STEVENS, INC (Continued)

1000465122

. Waste code: F006
. Waste name: WASTEWATER TREATMENT SLUDGES FROM ELECTROPLATING OPERATIONS, EXCEPT FROM THE FOLLOWING PROCESSES: (1) SULFURIC ACID ANODIZING OF ALUMINUM; (2) TIN PLATING ON CARBON STEEL; (3) ZINC PLATING (SEGREGATED BASIS) ON CARBON STEEL; (4) ALUMINUM OR ZINC-ALUMINUM PLATING ON CARBON STEEL; (5) CLEANING/STRIPPING ASSOCIATED WITH TIN, ZINC, AND ALUMINUM PLATING ON CARBON STEEL; AND (6) CHEMICAL ETCHING AND MILLING OF ALUMINUM.

. Waste code: P002
. Waste name: 1-ACETYL-2-THIOUREA (OR) ACETAMIDE, N-(AMINOTHIOXOMETHYL)-

. Waste code: U191
. Waste name: 2-PICOLINE (OR) PYRIDINE, 2-METHYL-

Date form received by agency: 09/18/2013
Site name: ASH STEVENS INC
Classification: Large Quantity Generator

. Waste code: D001
. Waste name: IGNITABLE WASTE

Date form received by agency: 10/01/2012
Site name: ASH STEVENS INC
Classification: Large Quantity Generator

. Waste code: D001
. Waste name: IGNITABLE WASTE

Date form received by agency: 02/28/2012
Site name: ASH STEVENS INC
Classification: Large Quantity Generator

. Waste code: D001
. Waste name: IGNITABLE WASTE

. Waste code: D002
. Waste name: CORROSIVE WASTE

. Waste code: D026
. Waste name: CRESOL

. Waste code: D028
. Waste name: 1,2-DICHLOROETHANE

. Waste code: F002
. Waste name: THE FOLLOWING SPENT HALOGENATED SOLVENTS: TETRACHLOROETHYLENE, METHYLENE CHLORIDE, TRICHLOROETHYLENE, 1,1,1-TRICHLOROETHANE, CHLOROBENZENE, 1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE, ORTHO-DICHLOROBENZENE, TRICHLOROFLUOROMETHANE, AND 1,1,2, TRICHLOROETHANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE HALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

. Waste code: F003

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

ASH-STEVENS, INC (Continued)

1000465122

- . Waste name: THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: XYLENE, ACETONE, ETHYL ACETATE, ETHYL BENZENE, ETHYL ETHER, METHYL ISOBUTYL KETONE, N-BUTYL ALCOHOL, CYCLOHEXANONE, AND METHANOL; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONLY THE ABOVE SPENT NONHALOGENATED SOLVENTS; AND ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS, AND A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THOSE SOLVENTS LISTED IN F001, F002, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.
- . Waste code: F005
- . Waste name: THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: TOLUENE, METHYL ETHYL KETONE, CARBON DISULFIDE, ISOBUTANOL, PYRIDINE, BENZENE, 2-ETHOXYETHANOL, AND 2-NITROPROPANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F002, OR F004; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.
- . Waste code: F006
- . Waste name: WASTEWATER TREATMENT SLUDGES FROM ELECTROPLATING OPERATIONS, EXCEPT FROM THE FOLLOWING PROCESSES: (1) SULFURIC ACID ANODIZING OF ALUMINUM; (2) TIN PLATING ON CARBON STEEL; (3) ZINC PLATING (SEGREGATED BASIS) ON CARBON STEEL; (4) ALUMINUM OR ZINC-ALUMINUM PLATING ON CARBON STEEL; (5) CLEANING/STRIPPING ASSOCIATED WITH TIN, ZINC, AND ALUMINUM PLATING ON CARBON STEEL; AND (6) CHEMICAL ETCHING AND MILLING OF ALUMINUM.
- . Waste code: P002
- . Waste name: 1-ACETYL-2-THIOUREA (OR) ACETAMIDE, N-(AMINOTHIOXOMETHYL)-
- Date form received by agency: 04/04/2011
- Site name: ASH STEVENS INC
- Classification: Large Quantity Generator
- . Waste code: D001
- . Waste name: IGNITABLE WASTE
- Date form received by agency: 01/28/2010
- Site name: ASH STEVENS INC
- Classification: Large Quantity Generator
- . Waste code: D001
- . Waste name: IGNITABLE WASTE
- . Waste code: D002
- . Waste name: CORROSIVE WASTE
- . Waste code: D003
- . Waste name: REACTIVE WASTE
- . Waste code: D004
- . Waste name: ARSENIC
- . Waste code: D011
- . Waste name: SILVER

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

ASH-STEVEENS, INC (Continued)

1000465122

- . Waste code: D028
- . Waste name: 1,2-DICHLOROETHANE

- . Waste code: D035
- . Waste name: METHYL ETHYL KETONE

- . Waste code: F002
- . Waste name: THE FOLLOWING SPENT HALOGENATED SOLVENTS: TETRACHLOROETHYLENE, METHYLENE CHLORIDE, TRICHLOROETHYLENE, 1,1,1-TRICHLOROETHANE, CHLOROBENZENE, 1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE, ORTHO-DICHLOROBENZENE, TRICHLOROFLUOROMETHANE, AND 1,1,2, TRICHLOROETHANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE HALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

- . Waste code: F003
- . Waste name: THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: XYLENE, ACETONE, ETHYL ACETATE, ETHYL BENZENE, ETHYL ETHER, METHYL ISOBUTYL KETONE, N-BUTYL ALCOHOL, CYCLOHEXANONE, AND METHANOL; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONLY THE ABOVE SPENT NONHALOGENATED SOLVENTS; AND ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS, AND A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THOSE SOLVENTS LISTED IN F001, F002, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

- . Waste code: F005
- . Waste name: THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: TOLUENE, METHYL ETHYL KETONE, CARBON DISULFIDE, ISOBUTANOL, PYRIDINE, BENZENE, 2-ETHOXYETHANOL, AND 2-NITROPROPANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F002, OR F004; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

- . Waste code: U079
- . Waste name: 1,2-DICHLOROETHYLENE (OR) ETHENE, 1,2-DICHLORO-(E)-

- . Waste code: U159
- . Waste name: 2-BUTANONE (I,T) (OR) METHYL ETHYL KETONE (MEK) (I,T)

- . Waste code: U404
- . Waste name: ETHANAMINE, N,N-DIETHYL- (OR) TRIETHYLAMINE

Date form received by agency: 03/23/2009

Site name: ASH STEVEENS INC

Classification: Large Quantity Generator

- . Waste code: D001
- . Waste name: IGNITABLE WASTE

Date form received by agency: 03/01/2008

Site name: ASH STEVEENS INC

Classification: Large Quantity Generator

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

ASH-STEVENS, INC (Continued)

1000465122

Date form received by agency: 02/15/2008

Site name: ASH STEVENS INC

Classification: Large Quantity Generator

. Waste code: D001

. Waste name: IGNITABLE WASTE

Date form received by agency: 03/01/2006

Site name: ASH STEVENS INC

Classification: Large Quantity Generator

Date form received by agency: 02/23/2006

Site name: ASH STEVENS INC

Classification: Large Quantity Generator

. Waste code: D001

. Waste name: IGNITABLE WASTE

Date form received by agency: 02/14/2005

Site name: ASH STEVENS INC

Classification: Large Quantity Generator

. Waste code: D001

. Waste name: IGNITABLE WASTE

Date form received by agency: 03/01/2004

Site name: ASH STEVENS INC

Classification: Large Quantity Generator

Date form received by agency: 02/20/2004

Site name: ASH STEVENS INC

Classification: Large Quantity Generator

. Waste code: D001

. Waste name: IGNITABLE WASTE

Date form received by agency: 03/01/2002

Site name: ASH STEVENS INC PILOT PLT

Classification: Large Quantity Generator

Date form received by agency: 02/08/2002

Site name: ASH STEVENS INC

Classification: Large Quantity Generator

. Waste code: D001

. Waste name: IGNITABLE WASTE

Date form received by agency: 02/07/2000

Site name: ASH STEVENS INC PILOT PLT

Classification: Large Quantity Generator

Date form received by agency: 02/25/1998

Site name: ASH STEVENS INC/RIVERVIEW PILOT

Classification: Large Quantity Generator

Date form received by agency: 02/29/1996

Site name: ASH STEVENS INC/RIVERVIEW PILOT PL

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

ASH-STEVENS, INC (Continued)

1000465122

Classification: Large Quantity Generator

Date form received by agency: 03/28/1994

Site name: ASH STEVENS INC

Classification: Large Quantity Generator

Waste code: D001

Waste name: IGNITABLE WASTE

Date form received by agency: 02/28/1994

Site name: ASH STEVENS INC, RIVERVIEW PILOT PLANT

Classification: Large Quantity Generator

Date form received by agency: 10/15/1990

Site name: ASH STEVENS INC

Classification: Large Quantity Generator

Waste code: D001

Waste name: IGNITABLE WASTE

Biennial Reports:

Last Biennial Reporting Year: 2013

Annual Waste Handled:

Waste code: D001

Waste name: IGNITABLE HAZARDOUS WASTES ARE THOSE WASTES WHICH HAVE A FLASHPOINT OF LESS THAN 140 DEGREES FAHRENHEIT AS DETERMINED BY A PENSLEY-MARTENS CLOSED CUP FLASH POINT TESTER. ANOTHER METHOD OF DETERMINING THE FLASH POINT OF A WASTE IS TO REVIEW THE MATERIAL SAFETY DATA SHEET, WHICH CAN BE OBTAINED FROM THE MANUFACTURER OR DISTRIBUTOR OF THE MATERIAL. LACQUER THINNER IS AN EXAMPLE OF A COMMONLY USED SOLVENT WHICH WOULD BE CONSIDERED AS IGNITABLE HAZARDOUS WASTE.

Amount (Lbs): 132223.5

Waste code: D002

Waste name: A WASTE WHICH HAS A PH OF LESS THAN 2 OR GREATER THAN 12.5 IS CONSIDERED TO BE A CORROSIVE HAZARDOUS WASTE. SODIUM HYDROXIDE, A CAUSTIC SOLUTION WITH A HIGH PH, IS OFTEN USED BY INDUSTRIES TO CLEAN OR DEGREASE PARTS. HYDROCHLORIC ACID, A SOLUTION WITH A LOW PH, IS USED BY MANY INDUSTRIES TO CLEAN METAL PARTS PRIOR TO PAINTING. WHEN THESE CAUSTIC OR ACID SOLUTIONS BECOME CONTAMINATED AND MUST BE DISPOSED, THE WASTE WOULD BE A CORROSIVE HAZARDOUS WASTE.

Amount (Lbs): 22203.3

Waste code: D026

Waste name: CRESOL

Amount (Lbs): 9586.8

Waste code: D028

Waste name: 1,2-DICHLOROETHANE

Amount (Lbs): 129235.4

Waste code: F002

Waste name: THE FOLLOWING SPENT HALOGENATED SOLVENTS: TETRACHLOROETHYLENE, METHYLENE CHLORIDE, TRICHLOROETHYLENE, 1,1,1-TRICHLOROETHANE, CHLOROBENZENE, 1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE, ORTHO-DICHLOROBENZENE, TRICHLOROFLUOROMETHANE, AND

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

ASH-STEVENS, INC (Continued)

1000465122

1,1,2-TRICHLOROETHANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE HALOGENATED SOLVENTS OR THOSE LISTED IN F001, F004, OR F005, AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

Amount (Lbs): 146126.5

Waste code: F003

Waste name: THE FOLLOWING SPENT NON-HALOGENATED SOLVENTS: XYLENE, ACETONE, ETHYL ACETATE, ETHYL BENZENE, ETHYL ETHER, METHYL ISOBUTYL KETONE, N-BUTYL ALCOHOL, CYCLOHEXANONE, AND METHANOL; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONLY THE ABOVE SPENT NON-HALOGENATED SOLVENTS; AND ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONE OR MORE OF THE ABOVE NON-HALOGENATED SOLVENTS, AND, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THOSE SOLVENTS LISTED IN F001, F002, F004, AND F005, AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

Amount (Lbs): 134353.5

Waste code: F005

Waste name: THE FOLLOWING SPENT NON-HALOGENATED SOLVENTS: TOLUENE, METHYL ETHYL KETONE, CARBON DISULFIDE, ISOBUTANOL, PYRIDINE, BENZENE, 2-ETHOXYETHANOL, AND 2-NITROPROPANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE NON-HALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F002, OR F004; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

Amount (Lbs): 131680.4

Waste code: F006

Waste name: WASTEWATER TREATMENT SLUDGES FROM ELECTROPLATING OPERATIONS EXCEPT FROM THE FOLLOWING PROCESSES: (1) SULFURIC ACID ANODIZING OF ALUMINUM; (2) TIN PLATING ON CARBON STEEL; (3) ZINC PLATING (SEGREGATED BASIS) ON CARBON STEEL; (4) ALUMINUM OR ZINC-ALUMINUM PLATING ON CARBON STEEL; (5) CLEANING/STRIPPING ASSOCIATED WITH TIN, ZINC AND ALUMINUM PLATING ON CARBON STEEL; AND (6) CHEMICAL ETCHING AND MILLING OF ALUMINUM.

Amount (Lbs): 1926.1

Waste code: P002

Waste name: ACETAMIDE, N-(AMINOTHIOXOMETHYL)-

Amount (Lbs): 3195.6

Facility Has Received Notices of Violations:

Regulation violated: Not reported
Area of violation: Generators - Pre-transport
Date violation determined: 07/15/2013
Date achieved compliance: 07/30/2013
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 07/23/2013
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

ASH-STEVENS, INC (Continued)

1000465122

Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: Generators - Pre-transport
Date violation determined: 04/02/2009
Date achieved compliance: 05/26/2009
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 04/13/2009
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: State Statute or Regulation
Date violation determined: 06/04/2003
Date achieved compliance: 08/28/2003
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 06/23/2003
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: Generators - Pre-transport
Date violation determined: 06/04/2003
Date achieved compliance: 08/28/2003
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 06/23/2003
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: Generators - General
Date violation determined: 02/23/1994
Date achieved compliance: 04/07/1994
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 02/23/1994
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

ASH-STEVENS, INC (Continued)

1000465122

Paid penalty amount: Not reported

Evaluation Action Summary:

Evaluation date: 07/15/2013
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Generators - Pre-transport
Date achieved compliance: 07/30/2013
Evaluation lead agency: State

Evaluation date: 04/02/2009
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Generators - Pre-transport
Date achieved compliance: 05/26/2009
Evaluation lead agency: State

Evaluation date: 06/04/2003
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Generators - Pre-transport
Date achieved compliance: 08/28/2003
Evaluation lead agency: State

Evaluation date: 06/04/2003
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: State Statute or Regulation
Date achieved compliance: 08/28/2003
Evaluation lead agency: State

Evaluation date: 06/04/2003
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: EPA

Evaluation date: 02/15/1994
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Generators - General
Date achieved compliance: 04/07/1994
Evaluation lead agency: State

FINDS:

Registry ID: 110000406445

Environmental Interest/Information System
AIR SYNTHETIC MINOR

AIR EMISSIONS CLASSIFICATION UNKNOWN

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

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

ASH-STEVENS, INC (Continued)

1000465122

program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

HAZARDOUS WASTE BIENNIAL REPORTER

[Click this hyperlink](#) while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

ECHO:

Envid: 1000465122
Registry ID: 110000406445
DFR URL: <http://echo.epa.gov/detailed-facility-report?fid=110000406445>

J75
North
1/4-1/2
0.269 mi.
1421 ft.

**ASH STEVENS, INC.
18601 KRAUSE STREET
WAYNE (County), MI 48193**

**MI INVENTORY S114032631
N/A**

Site 1 of 3 in cluster J

**Relative:
Higher**

INVENTORY:

Bea Number: 201104723LV
Township: Riverview
District: Southeast MI
Data Source: BEA
Latitude: Not reported
Longitude: Not reported

**Actual:
595 ft.**

J76
North
1/4-1/2
0.269 mi.
1421 ft.

**CONTROL MANUFACTURING CORP
18601 KRAUSE AVE
RIVERVIEW, MI 48193**

**MI BEA S107791504
MI NPDES N/A
MI WDS**

Site 2 of 3 in cluster J

**Relative:
Higher**

BEA:

Secondary Address: Not reported
BEA Number: 4723
District: Southeast MI
Date Received: 02/24/2011
Submitter Name: Ash Stevens, Inc.
Petition Determination: No Request
Petition Disclosure: 0
Category: Not reported
Determination 20107A: No Request
Reviewer: vensb
Division Assigned: RRD

**Actual:
595 ft.**

MI NPDES:

Permit Number: MIS310040
Permittee PO Box: Y
Permittee Email: kfielder@controlmfg.net
Issue Date: 04/30/2013
Effective Date: 04/30/2013
Expiration Date: 04/01/2018
Permittee Name: Control Manufacturing

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CONTROL MANUFACTURING CORP (Continued)

S107791504

Permittee Address: 18601 Krause
Permittee Addr2: PO Box 2008
Permittee City,St,Zip: Riverview, MI 48192
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: Control Manufacturing
Latitude: 42.175
Lat Direction: N
Lat Type Code: LAT
Longitude: -83.175
Lon Direction: W
Lon Type Code: LON
Hydrologic Unit Code: 4090004
Permit Status: In Effect
COC Permit Category: SW-Industrial CY3
DEQ District Email: Southeast Michigan
DEQ Permit Compliance Manager: Ryan Schwarb
DEQ Permit Compliance Manager Email: schwarbr@michigan.gov

WDS:

Site Id: MIK478347644
WMD Id: 482132
Site Specific Name: CONTROL MANUFACTURING CORP
Mailing Address: PO BOX 2008
Mailing City/State/Zip: 48193
Mailing County: WAYNE

J77
North
1/4-1/2
0.269 mi.
1421 ft.

18601 KRAUSE STREET
18601 KRAUSE STREET
RIVERVIEW, MI 48193
Site 3 of 3 in cluster J

US BROWNFIELDS **1014476540**
N/A

Relative:
Higher

US BROWNFIELDS:

Actual:
595 ft.

Recipient name: Downriver Community Conference
Grant type: Assessment
Property name: 18601 KRAUSE STREET
Property #: 82-51-013-02-0002-002
Parcel size: 6.24
Property Description: The site is currently occupied by a 21,198 square foot industrial building and two attached warehouse buildings 12,960 square foot with associated parking and storage areas southern portion, and vacant land northern portion. The site was vacant land and/or unimproved farm land from at least 1937 to 1977, and has been occupied by Control Manufacturing Corporation CMC since 1978 the former owner and current tenant.
Latitude: 42.1730469
Longitude: -83.17296
HCM label: Not reported
Map scale: Not reported
Point of reference: Not reported
Datum: Not reported
ACRES property ID: 129343
Start date: Not reported
Completed date: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

18601 KRAUSE STREET (Continued)

1014476540

Acres cleaned up:	Not reported
Cleanup funding:	Not reported
Cleanup funding source:	Not reported
Assessment funding:	2250
Assessment funding source:	US EPA - Brownfields Assessment Cooperative Agreement
Redevelopment funding:	Not reported
Redev. funding source:	Not reported
Redev. funding entity name:	Not reported
Redevelopment start date:	Not reported
Assessment funding entity:	EPA
Cleanup funding entity:	Not reported
Grant type:	Hazardous
Accomplishment type:	Phase I Environmental Assessment
Accomplishment count:	1
Cooperative agreement #:	00E91601
Ownership entity:	Private
Current owner:	Ash Stevens, Inc.
Did owner change:	Y
Cleanup required:	Unknown
Video available:	No
Photo available:	Yes
Institutional controls required:	N
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:	No
State/tribal program date:	Not reported
State/tribal program ID:	Not reported
State/tribal NFA date:	Not reported
Air contaminated:	Not reported
Air cleaned:	Not reported
Asbestos found:	Y
Asbestos cleaned:	Not reported
Controlled substance found:	Not reported
Controlled substance cleaned:	Not reported
Drinking water affected:	Not reported
Drinking water cleaned:	Not reported
Groundwater affected:	Not reported
Groundwater cleaned:	Not reported
Lead contaminant found:	Y
Lead cleaned up:	Not reported
No media affected:	Not reported
Unknown media affected:	Not reported
Other cleaned up:	Not reported
Other metals found:	Y
Other metals cleaned:	Not reported
Other contaminants found:	Not reported
Other contaminants found description:	Not reported
PAHs found:	Not reported
PAHs cleaned up:	Not reported
PCBs found:	Not reported
PCBs cleaned up:	Not reported
Petro products found:	Not reported
Petro products cleaned:	Not reported
Sediments found:	Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

18601 KRAUSE STREET (Continued)

1014476540

Sediments cleaned:	Not reported
Soil affected:	Y
Soil cleaned up:	Not reported
Surface water cleaned:	Not reported
VOCs found:	Not reported
VOCs cleaned:	Not reported
Cleanup other description:	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:	Not reported
Future use greenspace acreage:	Not reported
Future use residential acreage:	Not reported
Future use commercial acreage:	Not reported
Future use industrial acreage:	Not reported
Greenspace acreage and type:	Not reported
Superfund Fed. landowner flag:	Y
Arsenic cleaned up:	Not reported
Cadmium cleaned up:	Not reported
Chromium cleaned up:	Not reported
Copper cleaned up:	Not reported
Iron cleaned up:	Not reported
mercury cleaned up:	Not reported
nickel cleaned up:	Not reported
No clean up:	Not reported
Pesticides cleaned up:	Not reported
Selenium cleaned up:	Not reported
SVOCs cleaned up:	Not reported
Unknown clean up:	Not reported
Arsenic contaminant found:	Not reported
Cadmium contaminant found:	Not reported
Chromium contaminant found:	Not reported
Copper contaminant found:	Not reported
Iron contaminant found:	Not reported
Mercury contaminant found:	Not reported
Nickel contaminant found:	Not reported
No contaminant found:	Not reported
Pesticides contaminant found:	Not reported
Selenium contaminant found:	Not reported
SVOCs contaminant found:	Not reported
Unknown contaminant found:	Not reported
Future Use: Multistory	Not reported
Media affected Bluiding Material:	Not reported
Media affected indoor air:	Not reported
Building material media cleaned up:	Not reported
Indoor air media cleaned up:	Not reported
Unknown media cleaned up:	Not reported
Past Use: Multistory	Not reported
Highlights:	Not reported
IC Data Address:	Not reported
Redev Completition Date:	Not reported
# Below Poverty:	308
% Below Poverty:	4.8%
# Low Income:	702
% Low Income:	2.1%
Meidan Income:	13204

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

18601 KRAUSE STREET (Continued)

1014476540

# Unemployed:	151
% Unemployed:	9.8%
# Vacant Housing:	142
% Vacant Housing:	10.5%
Recipient name:	Downriver Community Conference
Grant type:	Assessment
Property name:	18601 KRAUSE STREET
Property #:	82-51-013-02-0002-002
Parcel size:	6.24
Property Description:	The site is currently occupied by a 21,198 square foot industrial building and two attached warehouse buildings 12,960 square foot with associated parking and storage areas southern portion, and vacant land northern portion. The site was vacant land and/or unimproved farm land from at least 1937 to 1977, and has been occupied by Control Manufacturing Corporation CMC since 1978 the former owner and current tenant.
Latitude:	42.1730469
Longitude:	-83.17296
HCM label:	Not reported
Map scale:	Not reported
Point of reference:	Not reported
Datum:	Not reported
ACRES property ID:	129343
Start date:	Not reported
Completed date:	Not reported
Acres cleaned up:	Not reported
Cleanup funding:	Not reported
Cleanup funding source:	Not reported
Assessment funding:	5000
Assessment funding source:	US EPA - Brownfields Assessment Cooperative Agreement
Redevelopment funding:	Not reported
Redev. funding source:	Not reported
Redev. funding entity name:	Not reported
Redevelopment start date:	Not reported
Assessment funding entity:	EPA
Cleanup funding entity:	Not reported
Grant type:	Hazardous
Accomplishment type:	Supplemental Assessment
Accomplishment count:	0
Cooperative agreement #:	00E91601
Ownership entity:	Private
Current owner:	Ash Stevens, Inc.
Did owner change:	Y
Cleanup required:	Unknown
Video available:	No
Photo available:	Yes
Institutional controls required:	N
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:	No
State/tribal program date:	Not reported
State/tribal program ID:	Not reported
State/tribal NFA date:	Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

18601 KRAUSE STREET (Continued)

1014476540

Air contaminated:	Not reported
Air cleaned:	Not reported
Asbestos found:	Y
Asbestos cleaned:	Not reported
Controlled substance found:	Not reported
Controlled substance cleaned:	Not reported
Drinking water affected:	Not reported
Drinking water cleaned:	Not reported
Groundwater affected:	Not reported
Groundwater cleaned:	Not reported
Lead contaminant found:	Y
Lead cleaned up:	Not reported
No media affected:	Not reported
Unknown media affected:	Not reported
Other cleaned up:	Not reported
Other metals found:	Y
Other metals cleaned:	Not reported
Other contaminants found:	Not reported
Other contaminants found description:	Not reported
PAHs found:	Not reported
PAHs cleaned up:	Not reported
PCBs found:	Not reported
PCBs cleaned up:	Not reported
Petro products found:	Not reported
Petro products cleaned:	Not reported
Sediments found:	Not reported
Sediments cleaned:	Not reported
Soil affected:	Y
Soil cleaned up:	Not reported
Surface water cleaned:	Not reported
VOCs found:	Not reported
VOCs cleaned:	Not reported
Cleanup other description:	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:	Not reported
Future use greenspace acreage:	Not reported
Future use residential acreage:	Not reported
Future use commercial acreage:	Not reported
Future use industrial acreage:	Not reported
Greenspace acreage and type:	Not reported
Superfund Fed. landowner flag:	Y
Arsenic cleaned up:	Not reported
Cadmium cleaned up:	Not reported
Chromium cleaned up:	Not reported
Copper cleaned up:	Not reported
Iron cleaned up:	Not reported
mercury cleaned up:	Not reported
nickel cleaned up:	Not reported
No clean up:	Not reported
Pesticides cleaned up:	Not reported
Selenium cleaned up:	Not reported
SVOCs cleaned up:	Not reported
Unknown clean up:	Not reported
Arsenic contaminant found:	Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

18601 KRAUSE STREET (Continued)

1014476540

Cadmium contaminant found: Not reported
Chromium contaminant found: Not reported
Copper contaminant found: Not reported
Iron contaminant found: Not reported
Mercury contaminant found: Not reported
Nickel contaminant found: Not reported
No contaminant found: Not reported
Pesticides contaminant found: Not reported
Selenium contaminant found: Not reported
SVOCs contaminant found: Not reported
Unknown contaminant found: Not reported
Future Use: Multistory Not reported
Media affected Bluiding Material: Not reported
Media affected indoor air: Not reported
Building material media cleaned up: Not reported
Indoor air media cleaned up: Not reported
Unknown media cleaned up: Not reported
Past Use: Multistory Not reported
Highlights: Not reported
IC Data Address: Not reported
Redev Completion Date: Not reported
Below Poverty: 308
% Below Poverty: 4.8%
Low Income: 702
% Low Income: 2.1%
Meidan Income: 13204
Unemployed: 151
% Unemployed: 9.8%
Vacant Housing: 142
% Vacant Housing: 10.5%

Recipient name: Downriver Community Conference
Grant type: Assessment
Property name: 18601 KRAUSE STREET
Property #: 82-51-013-02-0002-002
Parcel size: 6.24
Property Description: The site is currently occupied by a 21,198 square foot industrial building and two attached warehouse buildings 12,960 square foot with associated parking and storage areas southern portion, and vacant land northern portion. The site was vacant land and/or unimproved farm land from at least 1937 to 1977, and has been occupied by Control Manufacturing Corporation CMC since 1978 the former owner and current tenant.

Latitude: 42.1730469
Longitude: -83.17296
HCM label: Not reported
Map scale: Not reported
Point of reference: Not reported
Datum: Not reported
ACRES property ID: 129343
Start date: Not reported
Completed date: Not reported
Acres cleaned up: Not reported
Cleanup funding: Not reported
Cleanup funding source: Not reported
Assessment funding: 3000
Assessment funding source: US EPA - Brownfields Assessment Cooperative Agreement

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

18601 KRAUSE STREET (Continued)

1014476540

Redevelopment funding:	Not reported
Redev. funding source:	Not reported
Redev. funding entity name:	Not reported
Redevelopment start date:	Not reported
Assessment funding entity:	EPA
Cleanup funding entity:	Not reported
Grant type:	Hazardous
Accomplishment type:	Supplemental Assessment
Accomplishment count:	0
Cooperative agreement #:	00E91601
Ownership entity:	Private
Current owner:	Ash Stevens, Inc.
Did owner change:	Y
Cleanup required:	Unknown
Video available:	No
Photo available:	Yes
Institutional controls required:	N
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:	No
State/tribal program date:	Not reported
State/tribal program ID:	Not reported
State/tribal NFA date:	Not reported
Air contaminated:	Not reported
Air cleaned:	Not reported
Asbestos found:	Y
Asbestos cleaned:	Not reported
Controlled substance found:	Not reported
Controlled substance cleaned:	Not reported
Drinking water affected:	Not reported
Drinking water cleaned:	Not reported
Groundwater affected:	Not reported
Groundwater cleaned:	Not reported
Lead contaminant found:	Y
Lead cleaned up:	Not reported
No media affected:	Not reported
Unknown media affected:	Not reported
Other cleaned up:	Not reported
Other metals found:	Y
Other metals cleaned:	Not reported
Other contaminants found:	Not reported
Other contams found description:	Not reported
PAHs found:	Not reported
PAHs cleaned up:	Not reported
PCBs found:	Not reported
PCBs cleaned up:	Not reported
Petro products found:	Not reported
Petro products cleaned:	Not reported
Sediments found:	Not reported
Sediments cleaned:	Not reported
Soil affected:	Y
Soil cleaned up:	Not reported
Surface water cleaned:	Not reported
VOCs found:	Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

18601 KRAUSE STREET (Continued)

1014476540

VOCs cleaned:	Not reported
Cleanup other description:	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:	Not reported
Future use greenspace acreage:	Not reported
Future use residential acreage:	Not reported
Future use commercial acreage:	Not reported
Future use industrial acreage:	Not reported
Greenspace acreage and type:	Not reported
Superfund Fed. landowner flag:	Y
Arsenic cleaned up:	Not reported
Cadmium cleaned up:	Not reported
Chromium cleaned up:	Not reported
Copper cleaned up:	Not reported
Iron cleaned up:	Not reported
mercury cleaned up:	Not reported
nickel cleaned up:	Not reported
No clean up:	Not reported
Pesticides cleaned up:	Not reported
Selenium cleaned up:	Not reported
SVOCs cleaned up:	Not reported
Unknown clean up:	Not reported
Arsenic contaminant found:	Not reported
Cadmium contaminant found:	Not reported
Chromium contaminant found:	Not reported
Copper contaminant found:	Not reported
Iron contaminant found:	Not reported
Mercury contaminant found:	Not reported
Nickel contaminant found:	Not reported
No contaminant found:	Not reported
Pesticides contaminant found:	Not reported
Selenium contaminant found:	Not reported
SVOCs contaminant found:	Not reported
Unknown contaminant found:	Not reported
Future Use: Multistory	Not reported
Media affected Bluiding Material:	Not reported
Media affected indoor air:	Not reported
Building material media cleaned up:	Not reported
Indoor air media cleaned up:	Not reported
Unknown media cleaned up:	Not reported
Past Use: Multistory	Not reported
Highlights:	Not reported
IC Data Address:	Not reported
Redev Completion Date:	Not reported
# Below Poverty:	308
% Below Poverty:	4.8%
# Low Income:	702
% Low Income:	2.1%
Meidan Income:	13204
# Unemployed:	151
% Unemployed:	9.8%
# Vacant Housing:	142
% Vacant Housing:	10.5%

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

18601 KRAUSE STREET (Continued)

1014476540

Recipient name: Downriver Community Conference
Grant type: Assessment
Property name: 18601 KRAUSE STREET
Property #: 82-51-013-02-0002-002
Parcel size: 6.24
Property Description: The site is currently occupied by a 21,198 square foot industrial building and two attached warehouse buildings 12,960 square foot with associated parking and storage areas southern portion, and vacant land northern portion. The site was vacant land and/or unimproved farm land from at least 1937 to 1977, and has been occupied by Control Manufacturing Corporation CMC since 1978 the former owner and current tenant.
Latitude: 42.1730469
Longitude: -83.17296
HCM label: Not reported
Map scale: Not reported
Point of reference: Not reported
Datum: Not reported
ACRES property ID: 129343
Start date: Not reported
Completed date: Not reported
Acres cleaned up: Not reported
Cleanup funding: Not reported
Cleanup funding source: Not reported
Assessment funding: 14600
Assessment funding source: US EPA - Brownfields Assessment Cooperative Agreement
Redevelopment funding: Not reported
Redev. funding source: Not reported
Redev. funding entity name: Not reported
Redevelopment start date: Not reported
Assessment funding entity: EPA
Cleanup funding entity: Not reported
Grant type: Hazardous
Accomplishment type: Phase II Environmental Assessment
Accomplishment count: 0
Cooperative agreement #: 00E91601
Ownership entity: Private
Current owner: Ash Stevens, Inc.
Did owner change: Y
Cleanup required: Unknown
Video available: No
Photo available: Yes
Institutional controls required: N
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: No
State/tribal program date: Not reported
State/tribal program ID: Not reported
State/tribal NFA date: Not reported
Air contaminated: Not reported
Air cleaned: Not reported
Asbestos found: Y
Asbestos cleaned: Not reported
Controlled substance found: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

18601 KRAUSE STREET (Continued)

1014476540

Controlled substance cleaned:	Not reported
Drinking water affected:	Not reported
Drinking water cleaned:	Not reported
Groundwater affected:	Not reported
Groundwater cleaned:	Not reported
Lead contaminant found:	Y
Lead cleaned up:	Not reported
No media affected:	Not reported
Unknown media affected:	Not reported
Other cleaned up:	Not reported
Other metals found:	Y
Other metals cleaned:	Not reported
Other contaminants found:	Not reported
Other contaminants found description:	Not reported
PAHs found:	Not reported
PAHs cleaned up:	Not reported
PCBs found:	Not reported
PCBs cleaned up:	Not reported
Petro products found:	Not reported
Petro products cleaned:	Not reported
Sediments found:	Not reported
Sediments cleaned:	Not reported
Soil affected:	Y
Soil cleaned up:	Not reported
Surface water cleaned:	Not reported
VOCs found:	Not reported
VOCs cleaned:	Not reported
Cleanup other description:	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:	Not reported
Future use greenspace acreage:	Not reported
Future use residential acreage:	Not reported
Future use commercial acreage:	Not reported
Future use industrial acreage:	Not reported
Greenspace acreage and type:	Not reported
Superfund Fed. landowner flag:	Y
Arsenic cleaned up:	Not reported
Cadmium cleaned up:	Not reported
Chromium cleaned up:	Not reported
Copper cleaned up:	Not reported
Iron cleaned up:	Not reported
mercury cleaned up:	Not reported
nickel cleaned up:	Not reported
No clean up:	Not reported
Pesticides cleaned up:	Not reported
Selenium cleaned up:	Not reported
SVOCs cleaned up:	Not reported
Unknown clean up:	Not reported
Arsenic contaminant found:	Not reported
Cadmium contaminant found:	Not reported
Chromium contaminant found:	Not reported
Copper contaminant found:	Not reported
Iron contaminant found:	Not reported
Mercury contaminant found:	Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

18601 KRAUSE STREET (Continued)

1014476540

Nickel contaminant found: Not reported
No contaminant found: Not reported
Pesticides contaminant found: Not reported
Selenium contaminant found: Not reported
SVOCs contaminant found: Not reported
Unknown contaminant found: Not reported
Future Use: Multistory Not reported
Media affected Bluiding Material: Not reported
Media affected indoor air: Not reported
Building material media cleaned up: Not reported
Indoor air media cleaned up: Not reported
Unknown media cleaned up: Not reported
Past Use: Multistory Not reported
Highlights: Not reported
IC Data Address: Not reported
Redev Completion Date: Not reported
Below Poverty: 308
% Below Poverty: 4.8%
Low Income: 702
% Low Income: 2.1%
Meidan Income: 13204
Unemployed: 151
% Unemployed: 9.8%
Vacant Housing: 142
% Vacant Housing: 10.5%

I78
North
1/4-1/2
0.279 mi.
1475 ft.

INDUSTRIAL WASTE MANAGEMENT, INC.
18600 KRAUSE
OUT-OF-STATE (County), GA
Site 3 of 3 in cluster I

GA SWF/LF **S113245451**
N/A

Relative:
Higher

SWF/LF:
Status: Not reported
Facility Type Description: Collection Operation
Facility Mgr Name: Not reported
Facility Mgr Addr: Not reported
Facility Mgr City/State/Zip: RIVERVIEW, MI 48192
Facility Mgr Telephone: 313 285-5353
Incoming Waste Stream Type: Not reported
Permit Number: PBR-160-08COL
Operating Status: Not reported
Dominion: Not reported
Type: Not reported
Owner Name: CHARLES BANAS
Owner Address: Not reported
Owner City: Not reported
Owner State: Not reported
Owner Zip: Not reported
Owner Phone: 283-5520
Mailing Address: Not reported
Mailing City: Not reported
Mailing State: Not reported
Mailing Zip: Not reported
Date Ceased Accepting Waste: Not reported
EDR Link ID: PBR-160-08COL
Date Closed: Not reported
Post Closure Period: Not reported

Actual:
596 ft.

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

79
North
1/4-1/2
0.307 mi.
1621 ft.

RIVERVIEW TRENTON RAILROAD COMPANY
18251 WEST JEFFERSON
RIVERVIEW, MI

MI INVENTORY **S114031685**
N/A

Relative:
Lower

INVENTORY:

Bea Number: Not reported
Township: Riverview
District: Southeast MI
Data Source: Part 201
Latitude: 42.17534
Longitude: -83.16818

Actual:
579 ft.

80
North
1/4-1/2
0.322 mi.
1700 ft.

CITY OF RIVERVIEW DEPARTMENT OF PUBLIC WORKS
18550 KRAUSE ST
RIVERVIEW, MI 48193

MI LUST **1000979886**
MI UST **MI0000971689**
RCRA NonGen / NLR
FINDS
ECHO
MI Financial Assurance
MI WDS

Relative:
Higher

LUST:

Actual:
595 ft.

Facility ID: 00004183
Source: STATE OF MICHIGAN
Owner Name: City of Riverview
Owner Address: 14100 Civic Park Dr
Owner City,St,Zip: Riverview, MI 48193
Owner Contact: Not reported
Owner Phone: (734) 281-4270
Country: USA
District: Region 1 - SE Michigan District Office
Site Name: City Of Riverview, Dpw
Latitude: 42.17385
Longitude: -83.17524
Date of Collection: 07/03/2008
Method of Collection: GPS Code Meas. Standard Positioning Service SA Off
Accuracy: 40
Accuracy Value Unit: FEET
Horizontal Data: NAD83
Point Line Area: POINT
Desc Category: Plant Entrance (Freight)

Leak Number: C-0921-94
Release Date: 08/23/1994
Substance Released: Gasoline
Release Status: Closed
Release Closed Date: 11/07/1995

Leak Number: C-1206-95
Release Date: 11/07/1995
Substance Released: Used Oil
Release Status: Closed
Release Closed Date: 11/07/1995

UST:

Facility ID: 00004183
Facility Type: ACTIVE
Owner Name: CITY OF RIVERVIEW
Owner Address: 14100 CIVIC PARK DR

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CITY OF RIVERVIEW DEPARTMENT OF PUBLIC WORKS (Continued)

1000979886

Owner City,St,Zip: RIVERVIEW, MI 48193
Owner Country: USA
Owner Contact: Not reported
Owner Phone: (734) 281-4270
Contact: Jeff Webb
Contact Phone: (734) 281-4270
Date of Collection: 07/03/2008
Accuracy: 40
Accuracy Value Unit: FEET
Horizontal Datum: NAD83
Source: STATE OF MICHIGAN
Point Line Area: POINT
Desc Category: Plant Entrance (Freight)
Method of Collection: GPS Code Meas. Standard Positioning Service SA Off
Latitude: 42.17385
Longitude: -83.17524

Tank ID: 1
Tank Status: Removed from Ground
Capacity: 10000
Product: Diesel
Install Date: 04/30/1976
Remove Date: 08/24/1994
Tank Release Detection: Inventory Control,Tank Tightness Testing
Pipe Realease Detection: Not reported
Piping Material: Galvanized Steel
Piping Type: Suction: Valve at Tank
Construction Material: Asphalt Coated or Bare Steel,Cathodically Protected Steel
Impressed Device: No

Tank ID: 2
Tank Status: Removed from Ground
Capacity: 10000
Product: Gasoline
Install Date: 04/30/1976
Remove Date: 08/24/1994
Tank Release Detection: Inventory Control,Tank Tightness Testing
Pipe Realease Detection: Not reported
Piping Material: Galvanized Steel
Piping Type: Suction: Valve at Tank
Construction Material: Asphalt Coated or Bare Steel,Cathodically Protected Steel
Impressed Device: No

Tank ID: 3
Tank Status: Removed from Ground
Capacity: 10000
Product: Gasoline
Install Date: 04/30/1976
Remove Date: 08/23/1994
Tank Release Detection: Inventory Control,Tank Tightness Testing
Pipe Realease Detection: Not reported
Piping Material: Galvanized Steel
Piping Type: Suction: Valve at Tank
Construction Material: Asphalt Coated or Bare Steel,Cathodically Protected Steel
Impressed Device: No

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CITY OF RIVERVIEW DEPARTMENT OF PUBLIC WORKS (Continued)

1000979886

Tank ID: 4
Tank Status: Removed from Ground
Capacity: 1000
Product: Diesel
Install Date: 01/01/1974
Remove Date: 08/24/1994
Tank Release Detection: Inventory Control,Tank Tightness Testing
Pipe Realease Detection: Not reported
Piping Material: Galvanized Steel
Piping Type: Suction: Valve at Tank
Construction Material: Asphalt Coated or Bare Steel,Cathodically Protected Steel
Impressed Device: No

Tank ID: 5
Tank Status: Removed from Ground
Capacity: 1000
Product: Used Oil
Install Date: 01/01/1974
Remove Date: 02/16/1994
Tank Release Detection: Inventory Control,Tank Tightness Testing
Pipe Realease Detection: Not reported
Piping Material: Galvanized Steel
Piping Type: Gravity Fed?,Suction: Valve at Tank
Construction Material: Asphalt Coated or Bare Steel
Impressed Device: No

Tank ID: 6
Tank Status: Currently In Use
Capacity: 12000
Product: Gasoline
Install Date: 12/01/1994
Remove Date: Not reported
Tank Release Detection: Automatic Tank Gauging, Interstitial Monitoring Double Walled Tank
Pipe Realease Detection: Automatic Line Leak Detectors, Interstitial Monitoring/Second
Containment
Piping Material: Double Walled
Piping Type: Pressure
Construction Material: Fiberglass Reinforced Plastic, Double Walled
Impressed Device: No

Tank ID: 7
Tank Status: Currently In Use
Capacity: 12000
Product: Diesel
Install Date: 12/01/1994
Remove Date: Not reported
Tank Release Detection: Automatic Tank Gauging, Interstitial Monitoring Double Walled Tank
Pipe Realease Detection: Automatic Line Leak Detectors, Interstitial Monitoring Double Walled
Piping
Piping Material: Double Walled
Piping Type: Pressure
Construction Material: Fiberglass Reinforced Plastic, Double Walled
Impressed Device: No

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CITY OF RIVERVIEW DEPARTMENT OF PUBLIC WORKS (Continued)

1000979886

RCRA NonGen / NLR:

Date form received by agency: 04/15/1999
Facility name: CITY OF RIVERVIEW DEPARTMENT OF PUBLIC WORKS
Facility address: 18550 KRAUSE ST
RIVERVIEW, MI 48193
EPA ID: MI0000971689
Mailing address: 14100 CIVIC PARK DR
RIVERVIEW, MI 48193
Contact: JUDITH CORNS
Contact address: 18550 KRAUSE ST
RIVERVIEW, MI 48193
Contact country: US
Contact telephone: (734) 281-4270
Contact email: Not reported
EPA Region: 05
Classification: Non-Generator
Description: Handler: Non-Generators do not presently generate hazardous waste

Owner/Operator Summary:

Owner/operator name: CITY OF RIVERVIEW
Owner/operator address: Not reported
Not reported
Owner/operator country: Not reported
Owner/operator telephone: Not reported
Legal status: Municipal
Owner/Operator Type: Owner
Owner/Op start date: 03/16/2001
Owner/Op end date: Not reported

Owner/operator name: CITY OF RIVERVIEW
Owner/operator address: Not reported
Not reported
Owner/operator country: Not reported
Owner/operator telephone: Not reported
Legal status: Municipal
Owner/Operator Type: Operator
Owner/Op start date: 03/16/2001
Owner/Op end date: Not reported

Handler Activities Summary:

U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
Used oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CITY OF RIVERVIEW DEPARTMENT OF PUBLIC WORKS (Continued)

1000979886

. Waste code: D001
. Waste name: IGNITABLE WASTE

Historical Generators:

Date form received by agency: 12/12/1994
Site name: CITY OF RIVERVIEW DEPARTMENT OF PUBLIC WORKS
Classification: Not a generator, verified

. Waste code: D001
. Waste name: IGNITABLE WASTE

Violation Status: No violations found

FINDS:

Registry ID: 110003570243

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: 1000979886
Registry ID: 110003570243
DFR URL: <http://echo.epa.gov/detailed-facility-report?fid=110003570243>

WDS:

Site Id: MI0000971689
WMD Id: 391663
Site Specific Name: RIVERVIEW DPW CITY OF
Mailing Address: 14100 CIVIC PARK DR
Mailing City/State/Zip: 48193
Mailing County: WAYNE

K81 **MONGUAGON CREEK**
NNE **JCT. JEFFERSON/GROSSE ISLE BRIDGE**
1/4-1/2 **RIVERVIEW, MI 48192**
0.364 mi.
1920 ft. **Site 1 of 2 in cluster K**

MI INVENTORY **S103594592**
MI PART 201 **N/A**

Relative:
Lower

INVENTORY:

Bea Number: Not reported
Township: Riverview
District: Southeast MI
Data Source: Part 201
Latitude: 42.17603
Longitude: -83.16735

Actual:
574 ft.

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

MONGUAGON CREEK (Continued)

S103594592

PART 201:

Facility ID: 82000216
Facility Status: **Interim Response conducted - No further activities anticipated**
Source: Nonclassifiable Establishments
SAM Score: 29
SAM Score Date: 03/24/2004
Township: 04S
Range: 11E
Section: 5
Quarter: SW
Quarter/Quarter: NW
Pollutants: As; Pb; PCB's

82
NW
1/4-1/2
0.370 mi.
1955 ft.

PROACTIVE LOGISTIC SOLUTIONS, LLC
2540 PARK AVENUE
WAYNE (County), MI 48183

MI INVENTORY S116386123
N/A

Relative:
Higher

INVENTORY:

Bea Number: 201405904LV
Township: Detroit
District: Southeast MI
Data Source: BEA
Latitude: Not reported
Longitude: Not reported

Actual:
607 ft.

K83
North
1/4-1/2
0.370 mi.
1956 ft.

JEFFERSON AVE. CAUSTIC SPILL
SE CORNER OF JEFFERSON & FORD
RIVERVIEW, MI 48192

SEMS 1003862166
ECHO MIN000508173

Site 2 of 2 in cluster K

Relative:
Lower

SEMS:

Site ID: 508173
EPA ID: MIN000508173
Federal Facility: N
NPL: Not on the NPL
Non NPL Status: Removal Only Site (No Site Assessment Work Needed)

Actual:
576 ft.

Following information was gathered from the prior CERCLIS update completed in 10/2013:

Site ID: 0508173
EPA ID: MIN000508173
Facility County: WAYNE
Short Name: JEFFERSON AVE. CAUSTIC SP
Congressional District: 16
IFMS ID: B5Y6
SMSA Number: Not reported
USGC Hydro Unit: Not reported
Federal Facility: Not a Federal Facility
DMNSN Number: 0.00000
Site Orphan Flag: Not reported
RCRA ID: Not reported
USGS Quadrangle: Not reported
Site Init By Prog: O
NFRAP Flag: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

JEFFERSON AVE. CAUSTIC SPILL (Continued)

1003862166

Parent ID: Not reported
RST Code: Not reported
EPA Region: 05
Classification: Not reported
Site Settings Code: Not reported
NPL Status: Not on the NPL
DMNSN Unit Code: Not reported
RBRAC Code: Not reported
RResp Fed Agency Code: Not reported
Non NPL Status: Removal Only Site (No Site Assessment Work Needed)
Non NPL Status Date: 06/05/01
Site Fips Code: 26163
CC Concurrence Date: / /
CC Concurrence FY: Not reported
Alias EPA ID: Not reported
Site FUDS Flag: Not reported

CERCLIS Site Contact Name(s):

Contact ID: 5270183.00000
Contact Name: MICHELLE L. JASTER
Contact Tel: (734) 692-7683
Contact Title: On-Scene Coordinator (OSC)
Contact Email: Not reported

Alias Comments: Not reported

Site Description: MDEQ called EPA to report discolored soils + PH liquid of 12-13 in a ditch on the side of the road. Cause unknown.

CERCLIS Assessment History:

Action Code: 001
Action: REMOVAL
Date Started: 05/09/01
Date Completed: 06/06/01
Priority Level: Cleaned up
Operable Unit: SITEWIDE
Primary Responsibility: EPA Fund-Financed
Planning Status: Primary
Urgency Indicator: Emergency
Action Anomaly: Not reported

Action Code: 001
Action: NON-NATIONAL PRIORITIES LIST POTENTIALLY RESPONSIBLE PARTY SEARCH
Date Started: / /
Date Completed: 02/02/05
Priority Level: Not reported
Operable Unit: SITEWIDE
Primary Responsibility: Federal Enforcement
Planning Status: Not reported
Urgency Indicator: Not reported
Action Anomaly: Not reported

ECHO:

Envid: 1003862166
Registry ID: 110013801537
DFR URL: <http://echo.epa.gov/detailed-facility-report?fid=110013801537>

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

84
NNW
1/4-1/2
0.380 mi.
2007 ft.

CENTURY CEMENT CO INC
12600 SIBLEY RD
RIVERVIEW, MI 48192

MI LUST
MI UST
MI INVENTORY
MI Financial Assurance
MI WDS

U000266871
N/A

Relative:
Higher

LUST:

Facility ID: 00019000
Source: STATE OF MICHIGAN
Owner Name: Century Cement Co Inc
Owner Address: 12600 Sibley Rd
Owner City,St,Zip: Riverview, MI 48192-4530
Owner Contact: Not reported
Owner Phone: (734) 284-8770
Country: USA
District: Region 1 - SE Michigan District Office
Site Name: Century Cement Co Inc
Latitude: 42.17097
Longitude: -83.17699
Date of Collection: 02/15/2008
Method of Collection: GPS Code Meas. Standard Positioning Service SA Off
Accuracy: 40
Accuracy Value Unit: FEET
Horizontal Data: NAD83
Point Line Area: POINT
Desc Category: Plant Entrance (Freight)

Leak Number: C-0088-08
Release Date: 05/01/2008
Substance Released: Gasoline
Release Status: Closed
Release Closed Date: 08/04/2008

Leak Number: C-0524-96
Release Date: 07/26/1996
Substance Released: Unknown
Release Status: Closed
Release Closed Date: 11/04/1996

UST:

Facility ID: 00019000
Facility Type: CLOSED
Owner Name: CENTURY CEMENT CO INC
Owner Address: 12600 SIBLEY RD
Owner City,St,Zip: RIVERVIEW, MI 48192-4530
Owner Country: USA
Owner Contact: Not reported
Owner Phone: (734) 284-8770
Contact: Lana Buchuar
Contact Phone: (734) 284-8770
Date of Collection: 02/15/2008
Accuracy: 40
Accuracy Value Unit: FEET
Horizontal Datum: NAD83
Source: STATE OF MICHIGAN
Point Line Area: POINT
Desc Category: Plant Entrance (Freight)
Method of Collection: GPS Code Meas. Standard Positioning Service SA Off
Latitude: 42.17097
Longitude: -83.17699

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CENTURY CEMENT CO INC (Continued)

U000266871

Tank ID: 1
Tank Status: **Closed in Ground**
Capacity: 5000
Product: Diesel
Install Date: 03/17/1978
Remove Date: 07/26/1996
Tank Release Detection: Inter Monitoring Double Walled Tank, Inventory Control
Pipe Realease Detection: Automatic Line Leak Detectors
Piping Material: Unknown
Piping Type: Not reported
Construction Material: Fiberglass Reinforced plastic
Impressed Device: No

Tank ID: 2
Tank Status: **Closed in Ground**
Capacity: 5000
Product: Gasoline, Water
Install Date: 03/17/1978
Remove Date: 07/26/1996
Tank Release Detection: Inter Monitoring Double Walled Tank, Inventory Control
Pipe Realease Detection: Automatic Line Leak Detectors
Piping Material: Unknown
Piping Type: Not reported
Construction Material: Fiberglass Reinforced plastic
Impressed Device: No

Tank ID: 3
Tank Status: **Removed from Ground**
Capacity: 5000
Product: Diesel
Install Date: 03/17/1978
Remove Date: 04/30/2008
Tank Release Detection: Inventory Control, Automatic Tank Gauging
Pipe Realease Detection: Not reported
Piping Material: Fiberglass Reinforced Plastic
Piping Type: Suction: No Valve At Tank
Construction Material: Cathodically Protected Steel, Epoxy Coated Steel
Impressed Device: No

Tank ID: 4
Tank Status: **Removed from Ground**
Capacity: 5000
Product: Gasoline, WATER
Install Date: 03/17/1978
Remove Date: 04/30/2008
Tank Release Detection: Inventory Control, Automatic Tank Gauging
Pipe Realease Detection: Not reported
Piping Material: Fiberglass Reinforced Plastic
Piping Type: Suction: No Valve At Tank
Construction Material: Cathodically Protected Steel, Epoxy Coated Steel
Impressed Device: No

INVENTORY:

Bea Number: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CENTURY CEMENT CO INC (Continued)

U000266871

Township: Not reported
District: Southeast MI
Data Source: Part 213
Latitude: 42.17097
Longitude: -83.17699

WDS:

Site Id: MIG000053072
WMD Id: 437290
Site Specific Name: CENTURY CEMENT
Mailing Address: 12600 SIBLEY RD
Mailing City/State/Zip: 48193
Mailing County: WAYNE

L85
NNE
1/4-1/2
0.413 mi.
2182 ft.

MONQUAQON CREEK
JEFFERSON AW BRIDGE @ MONQUAQON CREEK
RIVERVIEW, MI 48192

SEMS 1000482308
MID985613454

Site 1 of 2 in cluster L

Relative:
Lower

SEMS:

Site ID: 506521
EPA ID: MID985613454
Federal Facility: N
NPL: Not on the NPL
Non NPL Status: Removal Only Site (No Site Assessment Work Needed)

Actual:
574 ft.

Following information was gathered from the prior CERCLIS update completed in 10/2013:

Site ID: 0506521
EPA ID: MID985613454
Facility County: WAYNE
Short Name: MONQUAQON CREEK
Congressional District: 16
IFMS ID: 05MR
SMSA Number: 2160
USGC Hydro Unit: Not reported
Federal Facility: Not a Federal Facility
DMNSN Number: 0.00000
Site Orphan Flag: N
RCRA ID: Not reported
USGS Quadrangle: Not reported
Site Init By Prog: Not reported
NFRAP Flag: Not reported
Parent ID: Not reported
RST Code: Not reported
EPA Region: 05
Classification: Not reported
Site Settings Code: Not reported
NPL Status: Not on the NPL
DMNSN Unit Code: Not reported
RBRAC Code: Not reported
RResp Fed Agency Code: Not reported
Non NPL Status: Removal Only Site (No Site Assessment Work Needed)
Non NPL Status Date: 12/21/99
Site Fips Code: 26163
CC Concurrence Date: / /
CC Concurrence FY: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

MONQUAQON CREEK (Continued)

1000482308

Alias EPA ID: Not reported
Site FUDS Flag: Not reported

Alias Comments: Not reported
Site Description: Not reported

L86
NNE
1/4-1/2
0.443 mi.
2340 ft.

BASF CORP
18099 WEST JEFFERSON AVE
RIVERVIEW, MI 48192

Site 2 of 2 in cluster L

MI AUL
MI PART 201
MI AIRS
MI WDS

S107704242
N/A

Relative:
Lower

AUL:

Actual:
574 ft.

Status: Recorded
Site Name: BASF Riverview (Fed.Marine Terminal)
Property: on-site
Land Use Restriction Type: RC
Program Type: Part 201
Program Support Assigned User: Nicholas Ekel
Program Support Assigned Date: 11/27/2013
Legal Description Of Property: Site Address
Based On The Deq Ref #: 11120113029
MDEQ Reference Number: RC-RRD-201-13-029
Property Or Description Restricted Area: Not reported
Lead Division: RD
File Name Of Hyperlinked Legal Doc: U:\KERMIT\11120113029.PDF
Mapped Polygons Area In Acres: 29.780100000000001
Mapped Polygons Area In Square Miles: 0.0465
Date Data Entry Started: 11/27/2013
Date Data Entry Finished: 11/27/2013
Individual Or Staff Assoc With The Mapping: Nicholas Ekel
Program Used To Map Restricted Features: ArcGIS 10.1
Date Legal Paperwork Stamped/Filed/Register Of Deeds: 09/13/2013
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: 1
Soil Movement Requirements: 0
There Is A Restriction On All Construction: 1
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: 1
Map Comments: 20131127 - LRUR is NOT mapped in KERMIT - Nick Ekel 20131127 - LRUR is mapped in KERMIT - Nick Ekel
Comment: August 9, 2013 owner representative requested DEQ reference #.

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

BASF CORP (Continued)

S107704242

PART 201:

Facility ID: 82000016
Facility Status: Interim Response in progress
Source: Refuse Systems
SAM Score: 38
SAM Score Date: 04/23/2004
Township: 04S
Range: 11E
Section: 5
Quarter: SW
Quarter/Quarter: NE
Pollutants: Anthracene; As; Phenol; Hg

AIRS:

State Registration Number: N7196
Naics Code: Not reported
Contact Email: Not reported
Contact Name: J D PURVIS
Contact Phone: 7343246161
Contact Address: 1609 BIDDLE AVENUE
Contact City,St,Zip: WYANDOTTE, MI 48192
Permit Number: 143-06B
Date Received: 09/30/2008
Application Reason: GROUNDWATER TREATMENT SYSTEM
Record Type: Not reported
State County FIPS: Not reported
Facility Category: Not reported
SIC Primary: Not reported
Tribal Code: Not reported
Facility Status: Not reported
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

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

BASF CORP (Continued)

S107704242

Date Record Was Created: Not reported

WDS:

Site Id: MID980504765

WMD Id: 399032

Site Specific Name: BASF CORP

Mailing Address: 1609 BIDDLE AVE

Mailing City/State/Zip: 48192

Mailing County: WAYNE

Site Id: Not reported

WMD Id: 474594

Site Specific Name: BASF CORP - RIVERVIEW PROPERTY

Mailing Address: 3000 CONTINENTAL DR NORTH

Mailing City/State/Zip: 7828

Mailing County: Not reported

87
North
1/4-1/2
0.446 mi.
2354 ft.

**GENERAL ELECTRIC DETROIT APPARATUS SERVI
18075 KRAUSE AVENUE
RIVERVIEW, MI 48192**

**SEMS-ARCHIVE
CORRACTS
RCRA-TSDF
RCRA-CESQG
MI AUL
MI INVENTORY
MI PART 201
NY MANIFEST
MI WDS**

**1000213238
MID050616622**

**Relative:
Higher**

**Actual:
593 ft.**

SEMS-ARCHIVE:

Site ID: 506435

EPA ID: MID050616622

Federal Facility: N

NPL: Not on the NPL

Non NPL Status: Deferred to RCRA

Following information was gathered from the prior CERCLIS update completed in 10/2013:

Site ID: 0506435

Federal Facility: Not a Federal Facility

NPL Status: Not on the NPL

Non NPL Status: Deferred to RCRA

Program Priority:

Description: Great Lakes

CERCLIS-NFRAP Assessment History:

Action: PRELIMINARY ASSESSMENT

Date Started: / /

Date Completed: 10/04/91

Priority Level: Deferred to RCRA (Subtitle C)

Action: DISCOVERY

Date Started: / /

Date Completed: 01/11/91

Priority Level: Not reported

Action: ARCHIVE SITE

Date Started: / /

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

GENERAL ELECTRIC DETROIT APPARATUS SERVI (Continued)

1000213238

Date Completed: 12/18/95
Priority Level: Not reported

CORRACTS:

EPA ID: MID050616622
EPA Region: 5
Area Name: ENTIRE FACILITY
Actual Date: 20090501
Action: CA070NO - RFA Determination Of Need For An RFI, RFI is Not Necessary
NAICS Code(s): 339999
All Other Miscellaneous Manufacturing
Original schedule date: Not reported
Schedule end date: Not reported

EPA ID: MID050616622
EPA Region: 5
Area Name: ENTIRE FACILITY
Actual Date: 20150901
Action: CA001
NAICS Code(s): 339999
All Other Miscellaneous Manufacturing
Original schedule date: Not reported
Schedule end date: Not reported

EPA ID: MID050616622
EPA Region: 5
Area Name: ENTIRE FACILITY
Actual Date: 20031203
Action: CA077
NAICS Code(s): 339999
All Other Miscellaneous Manufacturing
Original schedule date: Not reported
Schedule end date: Not reported

EPA ID: MID050616622
EPA Region: 5
Area Name: ENTIRE FACILITY
Actual Date: 20150205
Action: CA001
NAICS Code(s): 339999
All Other Miscellaneous Manufacturing
Original schedule date: Not reported
Schedule end date: Not reported

EPA ID: MID050616622
EPA Region: 5
Area Name: ENTIRE FACILITY
Actual Date: 20040610
Action: CA155 - RFI Supplemental Information Requested By Agency
NAICS Code(s): 339999
All Other Miscellaneous Manufacturing
Original schedule date: Not reported
Schedule end date: Not reported

EPA ID: MID050616622

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

GENERAL ELECTRIC DETROIT APPARATUS SERVI (Continued)

1000213238

EPA Region: 5
Area Name: ENTIRE FACILITY
Actual Date: 20150911
Action: CA001
NAICS Code(s): 339999
All Other Miscellaneous Manufacturing
Original schedule date: Not reported
Schedule end date: Not reported

EPA ID: MID050616622
EPA Region: 5
Area Name: ENTIRE FACILITY
Actual Date: 20150911
Action: CA497
NAICS Code(s): 339999
All Other Miscellaneous Manufacturing
Original schedule date: Not reported
Schedule end date: Not reported

EPA ID: MID050616622
EPA Region: 5
Area Name: ENTIRE FACILITY
Actual Date: 20160216
Action: CA001
NAICS Code(s): 339999
All Other Miscellaneous Manufacturing
Original schedule date: Not reported
Schedule end date: Not reported

EPA ID: MID050616622
EPA Region: 5
Area Name: ENTIRE FACILITY
Actual Date: 20141117
Action: CA160 - RFI Supplemental Information Received
NAICS Code(s): 339999
All Other Miscellaneous Manufacturing
Original schedule date: Not reported
Schedule end date: Not reported

EPA ID: MID050616622
EPA Region: 5
Area Name: ENTIRE FACILITY
Actual Date: 20141118
Action: CA001
NAICS Code(s): 339999
All Other Miscellaneous Manufacturing
Original schedule date: Not reported
Schedule end date: Not reported

EPA ID: MID050616622
EPA Region: 5
Area Name: ENTIRE FACILITY
Actual Date: 20130419
Action: CA110 - RFI Workplan Received
NAICS Code(s): 339999
All Other Miscellaneous Manufacturing
Original schedule date: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

GENERAL ELECTRIC DETROIT APPARATUS SERVI (Continued)

1000213238

Schedule end date: Not reported

EPA ID: MID050616622
EPA Region: 5
Area Name: ENTIRE FACILITY
Actual Date: 20130919
Action: CA110 - RFI Workplan Received
NAICS Code(s): 339999
All Other Miscellaneous Manufacturing
Original schedule date: Not reported
Schedule end date: Not reported

EPA ID: MID050616622
EPA Region: 5
Area Name: ENTIRE FACILITY
Actual Date: 20131025
Action: CA150 - RFI Workplan Approved
NAICS Code(s): 339999
All Other Miscellaneous Manufacturing
Original schedule date: Not reported
Schedule end date: Not reported

EPA ID: MID050616622
EPA Region: 5
Area Name: ENTIRE FACILITY
Actual Date: 20130426
Action: CA110 - RFI Workplan Received
NAICS Code(s): 339999
All Other Miscellaneous Manufacturing
Original schedule date: Not reported
Schedule end date: Not reported

EPA ID: MID050616622
EPA Region: 5
Area Name: ENTIRE FACILITY
Actual Date: 20040330
Action: CA146
NAICS Code(s): 339999
All Other Miscellaneous Manufacturing
Original schedule date: Not reported
Schedule end date: Not reported

EPA ID: MID050616622
EPA Region: 5
Area Name: ENTIRE FACILITY
Actual Date: 19940331
Action: CA075LO - CA Prioritization, Facility or area was assigned a low corrective action priority
NAICS Code(s): 339999
All Other Miscellaneous Manufacturing
Original schedule date: Not reported
Schedule end date: Not reported

EPA ID: MID050616622
EPA Region: 5
Area Name: ENTIRE FACILITY
Actual Date: 20130531

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

GENERAL ELECTRIC DETROIT APPARATUS SERVI (Continued)

1000213238

Action: CA120 - RFI Workplan Modification Requested By Agency
NAICS Code(s): 339999
All Other Miscellaneous Manufacturing
Original schedule date: Not reported
Schedule end date: Not reported

EPA ID: MID050616622
EPA Region: 5
Area Name: ENTIRE FACILITY
Actual Date: 20130531
Action: CA140 - RFI Workplan Notice Of Deficiency Issued
NAICS Code(s): 339999
All Other Miscellaneous Manufacturing
Original schedule date: Not reported
Schedule end date: Not reported

RCRA-TSDF:

Date form received by agency: 02/29/2016
Facility name: GENERAL ELECTRIC CO/RIVERVIEW APPARATUS SERVICE SHOP
Facility address: 18075 KRAUSE ST
RIVERVIEW, MI 481934245

EPA ID: MID050616622
Mailing address: N WAYNE AVE
CHICAGO, MI 60613

Contact: JAMES VAN NORTWICK
Contact address: N WAYNE AVE
CHICAGO, IL 60613

Contact country: Not reported
Contact telephone: (312) 513-4588
Contact email: JAMES.VANNORTWICK@GE.COM
EPA Region: 05
Land type: Private
Classification: TSDF
Description: Handler is engaged in the treatment, storage or disposal of hazardous waste

Classification: Conditionally Exempt Small Quantity Generator
Description: Handler: generates 100 kg or less of hazardous waste per calendar month, and accumulates 1000 kg or less of hazardous waste at any time; or generates 1 kg or less of acutely hazardous waste per calendar month, and accumulates at any time: 1 kg or less of acutely hazardous waste; or 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste; or generates 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste during any calendar month, and accumulates at any time: 1 kg or less of acutely hazardous waste; or 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste

Owner/Operator Summary:

Owner/operator name: NO ACTIVE O/OP AS NOT GENERATING WASTE
Owner/operator address: Not reported
Not reported
Owner/operator country: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

GENERAL ELECTRIC DETROIT APPARATUS SERVI (Continued)

1000213238

Owner/operator telephone: Not reported
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: 05/10/2006
Owner/Op end date: Not reported

Owner/operator name: GENERAL ELECTRIC COMPANY
Owner/operator address: N WAYNE AVE
CHICAGO, IL 60613

Owner/operator country: Not reported
Owner/operator telephone: (312) 513-4588
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: 01/02/1969
Owner/Op end date: Not reported

Owner/operator name: GENERAL ELECTRIC COMPANY
Owner/operator address: Not reported
Not reported
Owner/operator country: US
Owner/operator telephone: Not reported
Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: 01/01/1970
Owner/Op end date: Not reported

Owner/operator name: GENERAL ELECTRIC COMPANY
Owner/operator address: Not reported
Not reported
Owner/operator country: US
Owner/operator telephone: Not reported
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: 01/01/1970
Owner/Op end date: Not reported

Owner/operator name: GENERAL ELECTRIC COMPANY
Owner/operator address: Not reported
Not reported
Owner/operator country: Not reported
Owner/operator telephone: Not reported
Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: 01/02/1969
Owner/Op end date: Not reported

Owner/operator name: NO ACTIVE O/OP AS NOT GENERATING WASTE
Owner/operator address: Not reported
Not reported
Owner/operator country: Not reported
Owner/operator telephone: Not reported
Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: 05/10/2006
Owner/Op end date: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

GENERAL ELECTRIC DETROIT APPARATUS SERVI (Continued)

1000213238

Handler Activities Summary:

U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

. Waste code: F003
. Waste name: THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: XYLENE, ACETONE, ETHYL ACETATE, ETHYL BENZENE, ETHYL ETHER, METHYL ISOBUTYL KETONE, N-BUTYL ALCOHOL, CYCLOHEXANONE, AND METHANOL; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONLY THE ABOVE SPENT NONHALOGENATED SOLVENTS; AND ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS, AND A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THOSE SOLVENTS LISTED IN F001, F002, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

Historical Generators:

Date form received by agency: 03/16/2015
Site name: GENERAL ELECTRIC CO
Classification: Conditionally Exempt Small Quantity Generator

. Waste code: D001
. Waste name: IGNITABLE WASTE

Date form received by agency: 12/05/2014
Site name: GENERAL ELECTRIC CO
Classification: Large Quantity Generator

. Waste code: D001
. Waste name: IGNITABLE WASTE

Date form received by agency: 03/13/2013
Site name: GENERAL ELECTRIC CO
Classification: Small Quantity Generator

. Waste code: D001
. Waste name: IGNITABLE WASTE

Date form received by agency: 03/01/2006
Site name: GENERAL ELECTRIC CO
Classification: Not a generator, verified

Date form received by agency: 12/31/2001

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

GENERAL ELECTRIC DETROIT APPARATUS SERVI (Continued)

1000213238

Site name: GENERAL ELECTRIC CO
Classification: Conditionally Exempt Small Quantity Generator

. Waste code: D001
. Waste name: IGNITABLE WASTE

Date form received by agency: 09/10/2001
Site name: GENERAL ELECTRIC CO
Classification: Not a generator, verified

. Waste code: D001
. Waste name: IGNITABLE WASTE

Date form received by agency: 03/26/2001
Site name: GENERAL ELECTRIC CO
Classification: Small Quantity Generator

. Waste code: D001
. Waste name: IGNITABLE WASTE

Date form received by agency: 12/27/1999
Site name: GENERAL ELECTRIC CO
Classification: Small Quantity Generator

. Waste code: D001
. Waste name: IGNITABLE WASTE

Date form received by agency: 11/18/1980
Site name: GENERAL ELECTRIC CO
Classification: Not a generator, verified

. Waste code: D001
. Waste name: IGNITABLE WASTE

Date form received by agency: 08/18/1980
Site name: GENERAL ELECTRIC CO
Classification: Not a generator, verified

. Waste code: D001
. Waste name: IGNITABLE WASTE

Corrective Action Summary:

Event date: 03/31/1994
Event: CA Prioritization, Facility or area was assigned a low corrective action priority.

Event date: 12/03/2003
Event: CA077

Event date: 03/30/2004
Event: CA146

Event date: 06/10/2004
Event: RFI Supplemental Information Requested By Agency

Event date: 05/01/2009
Event: RFA Determination Of Need For An RFI, RFI is Not Necessary;

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

GENERAL ELECTRIC DETROIT APPARATUS SERVI (Continued)

1000213238

Event date:	04/19/2013
Event:	RFI Workplan Received
Event date:	04/26/2013
Event:	RFI Workplan Received
Event date:	05/31/2013
Event:	RFI Workplan Notice Of Deficiency Issued
Event date:	05/31/2013
Event:	RFI Workplan Modification Requested By Agency
Event date:	09/19/2013
Event:	RFI Workplan Received
Event date:	10/25/2013
Event:	RFI Workplan Approved
Event date:	11/17/2014
Event:	RFI Supplemental Information Received
Event date:	11/18/2014
Event:	CA001
Event date:	02/05/2015
Event:	CA001
Event date:	09/01/2015
Event:	CA001
Event date:	09/11/2015
Event:	CA001
Event date:	09/11/2015
Event:	CA497
Event date:	02/16/2016
Event:	CA001

Facility Has Received Notices of Violations:

Regulation violated:	Not reported
Area of violation:	TSD - General Facility Standards
Date violation determined:	02/07/2002
Date achieved compliance:	04/02/2002
Violation lead agency:	State
Enforcement action:	WRITTEN INFORMAL
Enforcement action date:	02/13/2002
Enf. disposition status:	Not reported
Enf. disp. status date:	Not reported
Enforcement lead agency:	State
Proposed penalty amount:	Not reported
Final penalty amount:	Not reported
Paid penalty amount:	Not reported

Regulation violated:	Not reported
Area of violation:	Permits - Conditions
Date violation determined:	12/18/2001

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

GENERAL ELECTRIC DETROIT APPARATUS SERVI (Continued)

1000213238

Date achieved compliance: 07/29/2002
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 12/18/2001
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: TSD - Financial Requirements
Date violation determined: 10/06/1995
Date achieved compliance: 06/04/1996
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 10/06/1995
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: TSD - Financial Requirements
Date violation determined: 03/31/1993
Date achieved compliance: 06/04/1996
Violation lead agency: State
Enforcement action: Not reported
Enforcement action date: 01/03/1994
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: TSD - Financial Requirements
Date violation determined: 03/31/1993
Date achieved compliance: 06/04/1996
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 03/31/1993
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: TSD - Financial Requirements
Date violation determined: 01/24/1990
Date achieved compliance: 11/15/1990

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

GENERAL ELECTRIC DETROIT APPARATUS SERVI (Continued)

1000213238

Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 01/24/1990
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: TSD - Closure/Post-Closure
Date violation determined: 08/22/1989
Date achieved compliance: 01/09/1990
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 08/23/1989
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Evaluation Action Summary:
Evaluation date: 03/27/2009
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 03/05/2007
Evaluation: FINANCIAL RECORD REVIEW
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 08/29/2006
Evaluation: FOLLOW-UP INSPECTION
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 08/21/2006
Evaluation: FINANCIAL RECORD REVIEW
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 07/21/2006
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 12/03/2004
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

GENERAL ELECTRIC DETROIT APPARATUS SERVI (Continued)

1000213238

Area of violation:	Not reported
Date achieved compliance:	Not reported
Evaluation lead agency:	State
Evaluation date:	12/03/2003
Evaluation:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation:	Not reported
Date achieved compliance:	Not reported
Evaluation lead agency:	State
Evaluation date:	09/20/2002
Evaluation:	FINANCIAL RECORD REVIEW
Area of violation:	Not reported
Date achieved compliance:	Not reported
Evaluation lead agency:	State
Evaluation date:	02/07/2002
Evaluation:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation:	TSD - General Facility Standards
Date achieved compliance:	04/02/2002
Evaluation lead agency:	State
Evaluation date:	12/18/2001
Evaluation:	NON-FINANCIAL RECORD REVIEW
Area of violation:	Permits - Conditions
Date achieved compliance:	07/29/2002
Evaluation lead agency:	State
Evaluation date:	08/21/2001
Evaluation:	FINANCIAL RECORD REVIEW
Area of violation:	Not reported
Date achieved compliance:	Not reported
Evaluation lead agency:	State
Evaluation date:	03/26/2001
Evaluation:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation:	Not reported
Date achieved compliance:	Not reported
Evaluation lead agency:	State
Evaluation date:	08/15/2000
Evaluation:	FINANCIAL RECORD REVIEW
Area of violation:	Not reported
Date achieved compliance:	Not reported
Evaluation lead agency:	State
Evaluation date:	12/10/1999
Evaluation:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation:	Not reported
Date achieved compliance:	Not reported
Evaluation lead agency:	State
Evaluation date:	08/23/1999
Evaluation:	FINANCIAL RECORD REVIEW
Area of violation:	Not reported
Date achieved compliance:	Not reported
Evaluation lead agency:	State

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

GENERAL ELECTRIC DETROIT APPARATUS SERVI (Continued)

1000213238

Evaluation date:	04/16/1998
Evaluation:	FINANCIAL RECORD REVIEW
Area of violation:	Not reported
Date achieved compliance:	Not reported
Evaluation lead agency:	State
Evaluation date:	02/17/1998
Evaluation:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation:	Not reported
Date achieved compliance:	Not reported
Evaluation lead agency:	State
Evaluation date:	10/30/1997
Evaluation:	NON-FINANCIAL RECORD REVIEW
Area of violation:	Not reported
Date achieved compliance:	Not reported
Evaluation lead agency:	State
Evaluation date:	07/22/1997
Evaluation:	FOCUSED COMPLIANCE INSPECTION
Area of violation:	Not reported
Date achieved compliance:	Not reported
Evaluation lead agency:	State
Evaluation date:	07/16/1997
Evaluation:	FINANCIAL RECORD REVIEW
Area of violation:	Not reported
Date achieved compliance:	Not reported
Evaluation lead agency:	State
Evaluation date:	04/09/1997
Evaluation:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation:	Not reported
Date achieved compliance:	Not reported
Evaluation lead agency:	State
Evaluation date:	09/26/1995
Evaluation:	FINANCIAL RECORD REVIEW
Area of violation:	TSD - Financial Requirements
Date achieved compliance:	06/04/1996
Evaluation lead agency:	State
Evaluation date:	12/13/1994
Evaluation:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation:	Not reported
Date achieved compliance:	Not reported
Evaluation lead agency:	State
Evaluation date:	03/22/1993
Evaluation:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation:	Not reported
Date achieved compliance:	Not reported
Evaluation lead agency:	State
Evaluation date:	03/17/1993
Evaluation:	FINANCIAL RECORD REVIEW
Area of violation:	TSD - Financial Requirements

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

GENERAL ELECTRIC DETROIT APPARATUS SERVI (Continued)

1000213238

Date achieved compliance: 06/04/1996
Evaluation lead agency: State

Evaluation date: 03/27/1991
Evaluation: FINANCIAL RECORD REVIEW
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 03/20/1991
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 01/24/1990
Evaluation: FINANCIAL RECORD REVIEW
Area of violation: TSD - Financial Requirements
Date achieved compliance: 11/15/1990
Evaluation lead agency: State

Evaluation date: 01/09/1990
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 08/22/1989
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: TSD - Closure/Post-Closure
Date achieved compliance: 01/09/1990
Evaluation lead agency: State

Evaluation date: 07/07/1989
Evaluation: FINANCIAL RECORD REVIEW
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

AUL:

Status: Pending
Site Name: Not reported
Property: on-site
Land Use Restriction Type: RC
Program Type: Part 111
Program Support Assigned User: Not reported
Program Support Assigned Date: Not reported
Legal Description Of Property: Not reported
Based On The Deq Ref #: 11411115012
MDEQ Reference Number: RC-OWMRP-111-15-012
Property Or Description Restricted Area: Not reported
Lead Division: OWMRP
File Name Of Hyperlinked Legal Doc: Not reported
Mapped Polygons Area In Acres: Not reported
Mapped Polygons Area In Square Miles: Not reported
Date Data Entry Started: Not reported
Date Data Entry Finished: Not reported
Individual Or Staff Assoc With The Mapping: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

GENERAL ELECTRIC DETROIT APPARATUS SERVI (Continued)

1000213238

Program Used To Map Restricted Features: Not reported
Date Legal Paperwork Stamped/Filed/Register Of Deeds: Not reported
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: 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
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
Map Comments: Not reported
Comment: Not reported

INVENTORY:

Bea Number: Not reported
Township: Riverview
District: Southeast MI
Data Source: Part 201
Latitude: 42.17757
Longitude: -83.17475

PART 201:

Facility ID: 82000174
Facility Status: **Inactive - no actions taken to address contamination**
Source: Transformers
SAM Score: 35
SAM Score Date: 08/17/1990
Township: 04S
Range: 11E
Section: 6
Quarter: SW
Quarter/Quarter: NW
Pollutants: PCB's; PCE; TCE

NY MANIFEST:

Country: USA
EPA ID: MID050616622
Facility Status: Not reported
Location Address 1: 18075 KRAUSE ST
Code: BP
Location Address 2: Not reported
Total Tanks: Not reported
Location City: RIVERVIEW
Location State: MI

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

GENERAL ELECTRIC DETROIT APPARATUS SERVI (Continued)

1000213238

Location Zip: 48192
Location Zip 4: Not reported

NY MANIFEST:

EPAID: MID050616622
Mailing Name: GE COMPANY
Mailing Contact: N/S
Mailing Address 1: 1 RIVER RD BLDG 43 R237
Mailing Address 2: Not reported
Mailing City: SCHENECTADY
Mailing State: NY
Mailing Zip: 12345
Mailing Zip 4: Not reported
Mailing Country: USA
Mailing Phone: 5183857979

NY MANIFEST:

Document ID: NYG3407652
Manifest Status: Not reported
seq: 01
Year: 2002
Trans1 State ID: AC25363NY
Trans2 State ID: Not reported
Generator Ship Date: 09/13/2002
Trans1 Recv Date: 09/13/2002
Trans2 Recv Date: Not reported
TSD Site Recv Date: 09/18/2002
Part A Recv Date: Not reported
Part B Recv Date: Not reported
Generator EPA ID: MID050616622
Trans1 EPA ID: NYD097644801
Trans2 EPA ID: Not reported
TSDF ID 1: NYD049836679
TSDF ID 2: Not reported
Manifest Tracking Number: Not reported
Import Indicator: Not reported
Export Indicator: Not reported
Discr Quantity Indicator: Not reported
Discr Type Indicator: Not reported
Discr Residue Indicator: Not reported
Discr Partial Reject Indicator: Not reported
Discr Full Reject Indicator: Not reported
Manifest Ref Number: Not reported
Alt Facility RCRA ID: Not reported
Alt Facility Sign Date: Not reported
MGMT Method Type Code: Not reported
Waste Code: B007 - OTHER MISCELLANEOUS PCB WASTES
Waste Code: Not reported
Waste Code: Not reported
Waste Code: Not reported
Waste Code: Not reported
Waste Code: Not reported
Quantity: 10877
Units: K - Kilograms (2.2 pounds)
Number of Containers: 001
Container Type: CM - Metal boxes, cases, roll-offs
Handling Method: L Landfill.

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

GENERAL ELECTRIC DETROIT APPARATUS SERVI (Continued)

1000213238

Specific Gravity: 01.00

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

WDS:

Site Id: MID050616622
WMD Id: 395942
Site Specific Name: RIVERVIEW APPARATUS SERVICE SHOP
Mailing Address: 3726 N WAYNE AVE
Mailing City/State/Zip: 60613
Mailing County: Not reported

M88 **BASF RIVERVIEW (FED.MARINE TERMINAL)**
NNE **18099 W. JEFFERSON**
1/4-1/2 **RIVERVIEW, MI 48193**
0.480 mi.
2537 ft. **Site 1 of 2 in cluster M**

MI INVENTORY **S118188542**
N/A

Relative:
Lower

INVENTORY:

Bea Number: Not reported
Township: Riverview
District: Southeast MI
Data Source: Part 201
Latitude: 42.17842
Longitude: -83.16579

Actual:
574 ft.

M89 **FEDERAL MARINE TERM**
NNE **18099 W JEFFERSON**
1/4-1/2 **RIVERVIEW, MI 48192**
0.480 mi.
2537 ft. **Site 2 of 2 in cluster M**

SEMS **1000213204**
RCRA NonGen / NLR **MID980504765**
FINDS
ECHO

Relative:
Lower

SEMS:

Site ID: 502797
EPA ID: MID980504765
Federal Facility: N
NPL: Not on the NPL
Non NPL Status: Other Cleanup Activity: State-Lead Cleanup

Actual:
574 ft.

Following information was gathered from the prior CERCLIS update completed in 10/2013:

Site ID: 0502797
EPA ID: MID980504765
Facility County: WAYNE
Short Name: FEDERAL MARINE TERM
Congressional District: 16
IFMS ID: 0524
SMSA Number: 2160
USGC Hydro Unit: 04090004
Federal Facility: Not a Federal Facility
DMNSN Number: 0.00000
Site Orphan Flag: N
RCRA ID: Not reported
USGS Quadrangle: Not reported
Site Init By Prog: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

FEDERAL MARINE TERM (Continued)

1000213204

NFRAP Flag: Not reported
Parent ID: Not reported
RST Code: Not reported
EPA Region: 05
Classification: Not reported
Site Settings Code: Not reported
NPL Status: Not on the NPL
DMNSN Unit Code: Not reported
RBRAC Code: Not reported
RResp Fed Agency Code: Not reported
Non NPL Status: Other Cleanup Activity: State-Lead Cleanup
Non NPL Status Date: 07/06/01
Site Fips Code: 26163
CC Concurrence Date: / /
CC Concurrence FY: Not reported
Alias EPA ID: Not reported
Site FUDS Flag: Not reported

CERCLIS Site Contact Name(s):

Contact ID: 5000226.00000
Contact Name: DAVID SEELY
Contact Tel: (312) 886-7058
Contact Title: Remedial Project Manager (RPM)
Contact Email: seely.david@epa.gov

Contact ID: 5271036.00000
Contact Name: CHERYL ALLEN
Contact Tel: (312) 353-6196
Contact Title: Community Involvement Coordinator
Contact Email: Not reported

CERCLIS Site Alias Name(s):

Alias ID: 101
Alias Name: FEDERAL MARINE TERM FIRESTONE SITE
Alias Address: Not reported
MI
Alias ID: 201
Alias Name: BASF WYANDOTTE CORP RIVERVIEW SITE
Alias Address: Not reported
MI
Alias ID: 301
Alias Name: FEDERAL MARINE TERM
Alias Address: Not reported
WAYNE, MI
Alias Comments: Not reported
Site Description: Not reported

CERCLIS Assessment History:

Action Code: 001
Action: DISCOVERY
Date Started: / /
Date Completed: 11/01/79
Priority Level: Not reported
Operable Unit: SITEWIDE
Primary Responsibility: EPA Fund-Financed
Planning Status: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

FEDERAL MARINE TERM (Continued)

1000213204

Urgency Indicator: Not reported
Action Anomaly: Not reported

Action Code: 001
Action: PRELIMINARY ASSESSMENT
Date Started: / /
Date Completed: 10/28/86
Priority Level: NFRAP-Site does not qualify for the NPL based on existing information
Operable Unit: SITEWIDE
Primary Responsibility: State, Fund Financed
Planning Status: Not reported
Urgency Indicator: Not reported
Action Anomaly: Not reported

Action Code: 002
Action: PRELIMINARY ASSESSMENT
Date Started: / /
Date Completed: 12/22/87
Priority Level: Higher priority for further assessment
Operable Unit: SITEWIDE
Primary Responsibility: State, Fund Financed
Planning Status: Not reported
Urgency Indicator: Not reported
Action Anomaly: Not reported

RCRA NonGen / NLR:

Date form received by agency: 09/20/1999
Facility name: BASF CORP
Facility address: 18099 W JEFFERSON
RIVERVIEW, MI 48193
EPA ID: MID980504765
Mailing address: 1609 BIDDLE AVE
WYANDOTTE, MI 48192
Contact: DAVID SHEAVES
Contact address: 18099 W JEFFERSON
RIVERVIEW, MI 48193
Contact country: US
Contact telephone: (734) 324-6836
Contact email: Not reported
EPA Region: 05
Classification: Non-Generator
Description: Handler: Non-Generators do not presently generate hazardous waste

Owner/Operator Summary:

Owner/operator name: NAME NOT REPORTED
Owner/operator address: Not reported
Not reported
Owner/operator country: Not reported
Owner/operator telephone: Not reported
Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: 01/01/1970
Owner/Op end date: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

FEDERAL MARINE TERM (Continued)

1000213204

Owner/operator name: BASF CORP
Owner/operator address: Not reported
Owner/operator country: Not reported
Owner/operator telephone: Not reported
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: 01/01/1970
Owner/Op end date: Not reported

Handler Activities Summary:

U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

. Waste code: D001
. Waste name: IGNITABLE WASTE

Historical Generators:

Date form received by agency: 07/16/1984
Site name: BASF CORP
Classification: Large Quantity Generator

. Waste code: D001
. Waste name: IGNITABLE WASTE

Violation Status: No violations found

FINDS:

Registry ID: 110003616114

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.

SUPERFUND (NON-NPL)

[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

FEDERAL MARINE TERM (Continued)

1000213204

ECHO:

Envid: 1000213204
Registry ID: 110003616114
DFR URL: <http://echo.epa.gov/detailed-facility-report?fid=110003616114>

90
SSW
1/4-1/2
0.486 mi.
2565 ft.

RIVERSIDE OSTEOPATHIC HOSPITAL
150 TRUAX ST
TRENTON, MI 48183

Relative:
Higher

Actual:
591 ft.

MI LUST
MI UST
MI INVENTORY
RCRA NonGen / NLR
FINDS
ECHO
MI BEA
MI Financial Assurance
MI WDS

1000218202
MID076358100

LUST:

Facility ID: 00034739
Source: STATE OF MICHIGAN
Owner Name: Zara Management LLC
Owner Address: 5500 Fort St
Owner City,St,Zip: Trenton, MI 48183
Owner Contact: Not reported
Owner Phone: Not reported
Country: USA
District: Region 1 - SE Michigan District Office
Site Name: Riverside Osteopathic Hospital
Latitude: 42.14959
Longitude: -83.17432
Date of Collection: 01/17/2007
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)

Leak Number: C-0781-98
Release Date: 08/25/1998
Substance Released: Diesel
Release Status: Closed
Release Closed Date: 11/20/1998

UST:

Facility ID: 00034739
Facility Type: ACTIVE
Owner Name: ZARA MANAGEMENT LLC
Owner Address: 5500 FORT ST
Owner City,St,Zip: TRENTON, MI 48183
Owner Country: USA
Owner Contact: Not reported
Owner Phone: Not reported
Contact: Mal Colm Youngs
Contact Phone: (734) 676-4200
Date of Collection: 01/17/2007
Accuracy: 100
Accuracy Value Unit: FEET
Horizontal Datum: NAD83
Source: STATE OF MICHIGAN

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

RIVERSIDE OSTEOPATHIC HOSPITAL (Continued)

1000218202

Point Line Area: POINT
Desc Category: Plant Entrance (Freight)
Method of Collection: GPS Code Meas. Standard Positioning Service SA Off
Latitude: 42.14959
Longitude: -83.17432

Tank ID: 1
Tank Status: Currently In Use
Capacity: 15000
Product: BOILER FUEL #2
Install Date: 01/01/1971
Remove Date: Not reported
Tank Release Detection: Not reported
Pipe Release Detection: Not reported
Piping Material: Unknown
Piping Type: Suction: No Valve At Tank
Construction Material: Unknown
Impressed Device: No

Tank ID: 2
Tank Status: Currently In Use
Capacity: 15000
Product: Diesel
Install Date: 07/01/1998
Remove Date: Not reported
Tank Release Detection: Automatic Tank Gauging, Inter Monitoring Double Walled Tank, Inventory Control
Pipe Release Detection: Interstitial Monitoring Double Walled Piping
Piping Material: Cathodically Protected, Double Walled, ENVIRON
Piping Type: Suction: Valve at Tank
Construction Material: Double Walled, Fiberglass Reinforced plastic
Impressed Device: No

INVENTORY:

Bea Number: 201004625LV
Township: Trenton
District: Southeast MI
Data Source: BEA
Latitude: Not reported
Longitude: Not reported

Bea Number: 200904272LV
Township: Trenton
District: Southeast MI
Data Source: BEA
Latitude: Not reported
Longitude: Not reported

RCRA NonGen / NLR:

Date form received by agency: 01/31/2003
Facility name: RIVERSIDE OSTEOPATHIC HOSPITAL
Facility address: 150 TRUAX ST
TRENTON, MI 48183
EPA ID: MID076358100
Contact: DAVID SMITH

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

RIVERSIDE OSTEOPATHIC HOSPITAL (Continued)

1000218202

Contact address: 150 TRUAX ST
TRENTON, MI 48183
Contact country: US
Contact telephone: (734) 676-4200
Contact email: Not reported
EPA Region: 05
Land type: Other land type
Classification: Non-Generator
Description: Handler: Non-Generators do not presently generate hazardous waste

Owner/Operator Summary:

Owner/operator name: NO ACTIVE O/OP AS NOT GENERATING WASTE
Owner/operator address: Not reported
Not reported
Owner/operator country: Not reported
Owner/operator telephone: Not reported
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: 02/01/2003
Owner/Op end date: Not reported

Owner/operator name: NO ACTIVE O/OP AS NOT GENERATING WASTE
Owner/operator address: Not reported
Not reported
Owner/operator country: Not reported
Owner/operator telephone: Not reported
Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: 02/01/2003
Owner/Op end date: Not reported

Handler Activities Summary:

U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
Used oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

. Waste code: D001
. Waste name: IGNITABLE WASTE

Historical Generators:

Date form received by agency: 07/29/1996
Site name: RIVERSIDE OSTEOPATHIC HOSPITAL
Classification: Small Quantity Generator

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

RIVERSIDE OSTEOPATHIC HOSPITAL (Continued)

1000218202

. Waste code: D001
. Waste name: IGNITABLE WASTE

Date form received by agency: 07/28/1996
Site name: RIVERSIDE OSTEOPATHIC HOSPITAL
Classification: Conditionally Exempt Small Quantity Generator

. Waste code: D001
. Waste name: IGNITABLE WASTE

Facility Has Received Notices of Violations:

Regulation violated: Not reported
Area of violation: Generators - General
Date violation determined: 07/23/1996
Date achieved compliance: 04/09/1997
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 07/23/1996
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Evaluation Action Summary:

Evaluation date: 07/16/1996
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Generators - General
Date achieved compliance: 04/09/1997
Evaluation lead agency: State

FINDS:

Registry ID: 110003604234

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: 1000218202
Registry ID: 110003604234
DFR URL: <http://echo.epa.gov/detailed-facility-report?fid=110003604234>

BEA:

Secondary Address: Not reported
BEA Number: 4625

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

RIVERSIDE OSTEOPATHIC HOSPITAL (Continued)

1000218202

District: Southeast MI
Date Received: 11/08/2010
Submitter Name: Naba Mangement, L.L.C.
Petition Determination: No Request
Petition Disclosure: 0
Category: No Hazardous Substance(s)
Determination 20107A: No Request
Reviewer: vensb
Division Assigned: RRD

Secondary Address: Not reported
BEA Number: 4272
District: Southeast MI
Date Received: 10/15/2009
Submitter Name: 150 Truax, LLC
Petition Determination: No Request
Petition Disclosure: 0
Category: No Hazardous Substance(s)
Determination 20107A: No Request
Reviewer: vensb
Division Assigned: RRD

WDS:
Site Id: MID076358100
WMD Id: 397227
Site Specific Name: RIVERSIDE OSTEOPATHIC HOSPITAL
Mailing Address: 150 TRUAX ST
Mailing City/State/Zip: 48183
Mailing County: WAYNE

91
North
1/4-1/2
0.492 mi.
2597 ft.

BMI INC
18035 KRAUSE ST
RIVERVIEW, MI 48192

MI LUST **U000267429**
MI UST **N/A**
MI WDS

Relative:
Higher

LUST:
Facility ID: 00018998
Source: STATE OF MICHIGAN
Owner Name: BMI Inc
Owner Address: 18035 Krause St
Owner City,St,Zip: Riverview, MI 48192-4245
Owner Contact: Not reported
Owner Phone: (734) 284-7700
Country: USA
District: Region 1 - SE Michigan District Office
Site Name: Bmi, Inc.
Latitude: 42.17672
Longitude: -83.17416
Date of Collection: 01/11/2001
Method of Collection: Address Matching-House Number
Accuracy: 100
Accuracy Value Unit: FEET
Horizontal Data: NAD83
Point Line Area: POINT
Desc Category: Plant Entrance (Freight)

Actual:
593 ft.

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

BMI INC (Continued)

U000267429

Leak Number: C-0143-94
Release Date: 02/21/1994
Substance Released: Gasoline,Diesel
Release Status: Closed
Release Closed Date: 12/12/1994

UST:

Facility ID: 00018998
Facility Type: CLOSED
Owner Name: BMI INC
Owner Address: 18035 KRAUSE ST
Owner City,St,Zip: RIVERVIEW, MI 48192-4245
Owner Country: USA
Owner Contact: Not reported
Owner Phone: (734) 284-7700
Contact: JACK BASINGER
Contact Phone: (734) 284-7700
Date of Collection: 01/11/2001
Accuracy: 100
Accuracy Value Unit: FEET
Horizontal Datum: NAD83
Source: STATE OF MICHIGAN
Point Line Area: POINT
Desc Category: Plant Entrance (Freight)
Method of Collection: Address Matching-House Number
Latitude: 42.17672
Longitude: -83.17416

Tank ID: 1
Tank Status: **Removed from Ground**
Capacity: 2000
Product: Gasoline
Install Date: 03/12/1976
Remove Date: 02/21/1994
Tank Release Detection: Not reported
Pipe Release Detection: Not reported
Piping Material: Unknown
Piping Type: Not reported
Construction Material: Asphalt Coated or Bare Steel
Impressed Device: No

Tank ID: 2
Tank Status: **Removed from Ground**
Capacity: 2000
Product: Diesel
Install Date: 03/12/1976
Remove Date: 02/21/1994
Tank Release Detection: Not reported
Pipe Release Detection: Not reported
Piping Material: Unknown
Piping Type: Not reported
Construction Material: Asphalt Coated or Bare Steel
Impressed Device: No

WDS:

Site Id: MIG000053803

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

BMI INC (Continued)

U000267429

WMD Id: 436940
Site Specific Name: BMI FRANCE
Mailing Address: 18035 KRAUSE ST
Mailing City/State/Zip: 48193
Mailing County: WAYNE

92
North
1/4-1/2
0.497 mi.
2623 ft.

DETROIT APARATUS
11861 LONGSDORF ST
RIVERVIEW, MI 48192

MI LUST
MI UST
MI INVENTORY
MI WDS

U003320236
N/A

Relative:
Higher

LUST:

Facility ID: 00004186
Source: STATE OF MICHIGAN
Owner Name: Tabro'S Glass Inc
Owner Address: 18085 Fort St
Owner City,St,Zip: Riverview, MI 48192-7432
Owner Contact: Not reported
Owner Phone: (734) 284-9199
Country: USA
District: Region 1 - SE Michigan District Office
Site Name: Detroit Apparatus
Latitude: 42.17741
Longitude: -83.17260
Date of Collection: 01/11/2001
Method of Collection: Address Matching-House Number
Accuracy: 100
Accuracy Value Unit: FEET
Horizontal Data: NAD83
Point Line Area: POINT
Desc Category: Plant Entrance (Freight)

Actual:
592 ft.

Leak Number: C-0217-01
Release Date: 11/22/2000
Substance Released: Gasoline
Release Status: Closed
Release Closed Date: 01/04/2016

UST:

Facility ID: 00004186
Facility Type: CLOSED
Owner Name: TABRO'S GLASS INC
Owner Address: 18085 FORT ST
Owner City,St,Zip: RIVERVIEW, MI 48192-7432
Owner Country: USA
Owner Contact: Not reported
Owner Phone: (734) 284-9199
Contact: CARI
Contact Phone: (734) 282-3311
Date of Collection: 01/11/2001
Accuracy: 100
Accuracy Value Unit: FEET
Horizontal Datum: NAD83
Source: STATE OF MICHIGAN
Point Line Area: POINT
Desc Category: Plant Entrance (Freight)
Method of Collection: Address Matching-House Number

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

DETROIT APARATUS (Continued)

U003320236

Latitude: 42.17741
Longitude: -83.17260

Tank ID: 1
Tank Status: Removed from Ground
Capacity: 10000
Product: Gasoline
Install Date: 03/14/1985
Remove Date: 10/26/2000
Tank Release Detection: Not reported
Pipe Realease Detection: Not reported
Piping Material: Fiberglass reinforced plastic
Piping Type: Not reported
Construction Material: Fiberglass Reinforced plastic,Lined Interior
Impressed Device: No

INVENTORY:

Bea Number: Not reported
Township: Riverview
District: Southeast MI
Data Source: Part 201
Latitude: Not reported
Longitude: Not reported

Bea Number: Not reported
Township: Not reported
District: Southeast MI
Data Source: Part 213
Latitude: 42.17741
Longitude: -83.1726

WDS:

Site Id: MIK952861937
WMD Id: 442195
Site Specific Name: ELECTRIC POWER SYSTEMS
Mailing Address: 11861 LONGSDORF ST
Mailing City/State/Zip: 48193
Mailing County: WAYNE

93
WSW
1/2-1
0.603 mi.
3184 ft.

Relative:
Higher

Actual:
599 ft.

VALLEY-VULCAN MOLD CO
1251 FORT ST
TRENTON, MI 48183

LUST:

Facility ID: 00001738
Source: STATE OF MICHIGAN
Owner Name: Danon Enterprises
Owner Address: 1251 Fort St
Owner City,St,Zip: Trenton, MI 48183-1101
Owner Contact: Not reported
Owner Phone: (834) 479-2345

MI LUST 1000167786
MI UST N/A
MI AUL
MI BROWNFIELDS
MI INVENTORY
MI PART 201
FINDS
ECHO
MI WDS

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

VALLEY-VULCAN MOLD CO (Continued)

1000167786

Country: USA
District: Region 1 - SE Michigan District Office
Site Name: Vulcan Mold & Iron
Latitude: 42.16007
Longitude: -83.18804
Date of Collection: 10/05/2004
Method of Collection: Address Matching-House Number
Accuracy: 100
Accuracy Value Unit: FEET
Horizontal Data: NAD83
Point Line Area: POINT
Desc Category: Plant Entrance (Freight)

Leak Number: C-0145-01
Release Date: 12/22/2001
Substance Released: Gasoline,Heating Oil
Release Status: Open
Release Closed Date: Not reported

UST:

Facility ID: 00001738
Facility Type: CLOSED
Owner Name: DANON ENTERPRISES
Owner Address: 1251 FORT ST
Owner City,St,Zip: TRENTON, MI 48183-1101
Owner Country: USA
Owner Contact: Not reported
Owner Phone: (834) 479-2345
Contact: SAM DANOU
Contact Phone: (734) 479-2345
Date of Collection: 10/05/2004
Accuracy: 100
Accuracy Value Unit: FEET
Horizontal Datum: NAD83
Source: STATE OF MICHIGAN
Point Line Area: POINT
Desc Category: Plant Entrance (Freight)
Method of Collection: Address Matching-House Number
Latitude: 42.16007
Longitude: -83.18804

Tank ID: 1
Tank Status: Removed from Ground
Capacity: 12000
Product: #2 FUEL OIL
Install Date: 03/26/1977
Remove Date: 11/01/1989
Tank Release Detection: Not reported
Pipe Release Detection: Not reported
Piping Material: Galvanized Steel
Piping Type: Not reported
Construction Material: Asphalt Coated or Bare Steel
Impressed Device: No

Tank ID: 2
Tank Status: Removed from Ground
Capacity: 12000

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

VALLEY-VULCAN MOLD CO (Continued)

1000167786

Product: #2 FUEL OIL
Install Date: 03/26/1977
Remove Date: 11/01/1989
Tank Release Detection: Not reported
Pipe Realease Detection: Not reported
Piping Material: Galvanized Steel
Piping Type: Not reported
Construction Material: Asphalt Coated or Bare Steel
Impressed Device: No

Tank ID: 3
Tank Status: Removed from Ground
Capacity: 4000
Product: Gasoline
Install Date: 03/27/1979
Remove Date: 10/21/2000
Tank Release Detection: Not reported
Pipe Realease Detection: Not reported
Piping Material: Galvanized Steel
Piping Type: Not reported
Construction Material: Asphalt Coated or Bare Steel
Impressed Device: No

Tank ID: 4
Tank Status: Removed from Ground
Capacity: 6000
Product: Diesel
Install Date: 03/27/1979
Remove Date: 10/21/2000
Tank Release Detection: Not reported
Pipe Realease Detection: Not reported
Piping Material: Galvanized Steel
Piping Type: Not reported
Construction Material: Asphalt Coated or Bare Steel
Impressed Device: No

AUL:

Status: Pending
Site Name: Vulcan Mold and Iron Co LF
Property: off-site
Land Use Restriction Type: RC
Program Type: Part 201
Program Support Assigned User: Not reported
Program Support Assigned Date: Not reported
Legal Description Of Property: Site Address
Based On The Deq Ref #: 11120115021
MDEQ Reference Number: RC-RRD-201-15-021
Property Or Description Restricted Area: Not reported
Lead Division: RRD
File Name Of Hyperlinked Legal Doc: Not reported
Mapped Polygons Area In Acres: Not reported
Mapped Polygons Area In Square Miles: Not reported
Date Data Entry Started: Not reported
Date Data Entry Finished: Not reported
Individual Or Staff Assoc With The Mapping: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

VALLEY-VULCAN MOLD CO (Continued)

1000167786

Program Used To Map Restricted Features: Not reported
Date Legal Paperwork Stamped/Filed/Register Of Deeds: Not reported
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: 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
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
Map Comments: Not reported
Comment: test on 3-18-15

BROWNFIELDS:

Facility ID: Not reported
Region: 1
Status: Not reported
Property Use: Not reported
BEA: No
Ernie Id Number: 82001631

Facility ID: Not reported
Region: 1
Status: Not reported
Property Use: Not reported
BEA: No
Ernie Id Number: 82000056

INVENTORY:

Bea Number: Not reported
Township: Not reported
District: Southeast MI
Data Source: Part 213
Latitude: 42.16008
Longitude: -83.18804

Bea Number: Not reported
Township: Trenton
District: Southeast MI
Data Source: Part 201
Latitude: 42.15694
Longitude: -83.18253

Bea Number: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

VALLEY-VULCAN MOLD CO (Continued)

1000167786

Township: Trenton
District: Southeast MI
Data Source: Part 201
Latitude: 42.1588
Longitude: -83.18557

PART 201:

Facility ID: 82000056
Facility Status: **Interim Response in progress**
Source: Refuse Systems
SAM Score: 29
SAM Score Date: 05/14/2004
Township: 04S
Range: 11E
Section: 7
Quarter: SW
Quarter/Quarter: SW
Pollutants: Benzene

Facility ID: 82001631
Facility Status: **Interim Response in progress**
Source: Primary Metal Industries
SAM Score: 24
SAM Score Date: 04/14/2004
Township: 04S
Range: 11E
Section: 7
Quarter: SW
Quarter/Quarter: SW
Pollutants: As; Mn

FINDS:

Registry ID: 110001680789

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.

US EPA Assessment, Cleanup and Redevelopment Exchange System (ACRES) is an federal online database for Brownfields Grantees to electronically submit data directly to EPA.

AIR EMISSIONS CLASSIFICATION UNKNOWN

US EPA TRIS (Toxics Release Inventory System) contains information from facilities on the amounts of over 300 listed toxic chemicals that

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

VALLEY-VULCAN MOLD CO (Continued)

1000167786

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: 1000167786
Registry ID: 110001680789
DFR URL: <http://echo.epa.gov/detailed-facility-report?fid=110001680789>

WDS:

Site Id: MID005392832
WMD Id: 393721
Site Specific Name: VULCAN INC
Mailing Address: 1251 FORT ST
Mailing City/State/Zip: 48183
Mailing County: WAYNE

94
NNE
1/2-1
0.629 mi.
3322 ft.

FIRESTONE PROPERTY, RIVERVIEW
17423 JEFFERSON
RIVERVIEW, MI 48193

MI INVENTORY **S103095060**
MI PART 201 **N/A**

Relative:
Lower

INVENTORY:

Bea Number: Not reported
Township: Riverview
District: Southeast MI
Data Source: Part 201
Latitude: 42.17969
Longitude: -83.16519

Actual:
574 ft.

PART 201:

Facility ID: 82000019
Facility Status: **Inactive - no actions taken to address contamination**
Source: Refuse Systems
SAM Score: 30
SAM Score Date: 04/07/2004
Township: 04S
Range: 11E
Section: 5
Quarter: NW
Quarter/Quarter: Not reported
Pollutants: Phenol; PCB's

Count: 1 records.

ORPHAN SUMMARY

City	EDR ID	Site Name	Site Address	Zip	Database(s)
GROSSE ILE	1003871318	FERROTECH	INDUSTRIAL PARK	48138	SEMS-ARCHIVE

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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

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

STANDARD ENVIRONMENTAL RECORDS

Federal NPL site list

NPL: National Priority List

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

Date of Government Version: 04/05/2017	Source: EPA
Date Data Arrived at EDR: 04/21/2017	Telephone: N/A
Date Made Active in Reports: 05/12/2017	Last EDR Contact: 06/08/2017
Number of Days to Update: 21	Next Scheduled EDR Contact: 07/17/2017
	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: 04/05/2017	Source: EPA
Date Data Arrived at EDR: 04/21/2017	Telephone: N/A
Date Made Active in Reports: 05/12/2017	Last EDR Contact: 06/09/2017
Number of Days to Update: 21	Next Scheduled EDR Contact: 07/17/2017
	Data Release Frequency: Quarterly

NPL LIENS: Federal Superfund Liens

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

Date of Government Version: 10/15/1991	Source: EPA
Date Data Arrived at EDR: 02/02/1994	Telephone: 202-564-4267
Date Made Active in Reports: 03/30/1994	Last EDR Contact: 08/15/2011
Number of Days to Update: 56	Next Scheduled EDR Contact: 11/28/2011
	Data Release Frequency: No Update Planned

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Federal Delisted NPL site list

Delisted NPL: National Priority List Deletions

The National Oil and Hazardous Substances Pollution Contingency Plan (NCP) establishes the criteria that the EPA uses to delete sites from the NPL. In accordance with 40 CFR 300.425(e), sites may be deleted from the NPL where no further response is appropriate.

Date of Government Version: 04/05/2017	Source: EPA
Date Data Arrived at EDR: 04/21/2017	Telephone: N/A
Date Made Active in Reports: 05/12/2017	Last EDR Contact: 06/09/2017
Number of Days to Update: 21	Next Scheduled EDR Contact: 07/17/2017
	Data Release Frequency: Quarterly

Federal CERCLIS list

FEDERAL FACILITY: Federal Facility Site Information listing

A listing of National Priority List (NPL) and Base Realignment and Closure (BRAC) sites found in the Comprehensive Environmental Response, Compensation and Liability Information System (CERCLIS) Database where EPA Federal Facilities Restoration and Reuse Office is involved in cleanup activities.

Date of Government Version: 11/07/2016	Source: Environmental Protection Agency
Date Data Arrived at EDR: 01/05/2017	Telephone: 703-603-8704
Date Made Active in Reports: 04/07/2017	Last EDR Contact: 04/07/2017
Number of Days to Update: 92	Next Scheduled EDR Contact: 07/17/2017
	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: 02/07/2017	Source: EPA
Date Data Arrived at EDR: 04/19/2017	Telephone: 800-424-9346
Date Made Active in Reports: 05/05/2017	Last EDR Contact: 06/08/2017
Number of Days to Update: 16	Next Scheduled EDR Contact: 07/31/2017
	Data Release Frequency: Quarterly

Federal CERCLIS NFRAP site list

SEMS-ARCHIVE: Superfund Enterprise Management System Archive

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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

Date of Government Version: 02/07/2017	Source: EPA
Date Data Arrived at EDR: 04/19/2017	Telephone: 800-424-9346
Date Made Active in Reports: 05/05/2017	Last EDR Contact: 06/08/2017
Number of Days to Update: 16	Next Scheduled EDR Contact: 07/31/2017
	Data Release Frequency: Quarterly

Federal RCRA CORRACTS facilities list

CORRACTS: Corrective Action Report

CORRACTS identifies hazardous waste handlers with RCRA corrective action activity.

Date of Government Version: 12/12/2016	Source: EPA
Date Data Arrived at EDR: 12/28/2016	Telephone: 800-424-9346
Date Made Active in Reports: 02/10/2017	Last EDR Contact: 06/29/2017
Number of Days to Update: 44	Next Scheduled EDR Contact: 10/09/2017
	Data Release Frequency: Quarterly

Federal RCRA non-CORRACTS TSD facilities list

RCRA-TSDF: RCRA - Treatment, Storage and Disposal

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

Date of Government Version: 12/12/2016	Source: Environmental Protection Agency
Date Data Arrived at EDR: 12/28/2016	Telephone: 312-886-6186
Date Made Active in Reports: 02/10/2017	Last EDR Contact: 06/29/2017
Number of Days to Update: 44	Next Scheduled EDR Contact: 10/09/2017
	Data Release Frequency: Quarterly

Federal RCRA generators list

RCRA-LQG: RCRA - Large Quantity Generators

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

Date of Government Version: 12/12/2016	Source: Environmental Protection Agency
Date Data Arrived at EDR: 12/28/2016	Telephone: 312-886-6186
Date Made Active in Reports: 02/10/2017	Last EDR Contact: 06/29/2017
Number of Days to Update: 44	Next Scheduled EDR Contact: 10/09/2017
	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: 12/12/2016	Source: Environmental Protection Agency
Date Data Arrived at EDR: 12/28/2016	Telephone: 312-886-6186
Date Made Active in Reports: 02/10/2017	Last EDR Contact: 06/29/2017
Number of Days to Update: 44	Next Scheduled EDR Contact: 10/09/2017
	Data Release Frequency: Quarterly

RCRA-CESQG: RCRA - Conditionally Exempt Small Quantity Generators

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

Date of Government Version: 12/12/2016	Source: Environmental Protection Agency
Date Data Arrived at EDR: 12/28/2016	Telephone: 312-886-6186
Date Made Active in Reports: 02/10/2017	Last EDR Contact: 06/29/2017
Number of Days to Update: 44	Next Scheduled EDR Contact: 10/09/2017
	Data Release Frequency: Varies

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: 12/28/2016	Source: Department of the Navy
Date Data Arrived at EDR: 01/04/2017	Telephone: 843-820-7326
Date Made Active in Reports: 04/07/2017	Last EDR Contact: 05/15/2017
Number of Days to Update: 93	Next Scheduled EDR Contact: 08/28/2017
	Data Release Frequency: Varies

US ENG CONTROLS: Engineering Controls Sites List

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

Date of Government Version: 02/13/2017	Source: Environmental Protection Agency
Date Data Arrived at EDR: 02/28/2017	Telephone: 703-603-0695
Date Made Active in Reports: 06/09/2017	Last EDR Contact: 05/31/2017
Number of Days to Update: 101	Next Scheduled EDR Contact: 09/11/2017
	Data Release Frequency: Varies

US INST CONTROL: Sites with Institutional Controls

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

Date of Government Version: 02/13/2017	Source: Environmental Protection Agency
Date Data Arrived at EDR: 02/28/2017	Telephone: 703-603-0695
Date Made Active in Reports: 06/09/2017	Last EDR Contact: 05/31/2017
Number of Days to Update: 101	Next Scheduled EDR Contact: 09/11/2017
	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: 09/26/2016

Date Data Arrived at EDR: 09/29/2016

Date Made Active in Reports: 11/11/2016

Number of Days to Update: 43

Source: National Response Center, United States Coast Guard

Telephone: 202-267-2180

Last EDR Contact: 06/28/2017

Next Scheduled EDR Contact: 10/09/2017

Data Release Frequency: Annually

State- and tribal - equivalent CERCLIS

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: Dept of Environmental Quality

Telephone: 517-284-5103

Last EDR Contact: 04/21/2017

Next Scheduled EDR Contact: 08/07/2017

Data Release Frequency: No Update Planned

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

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: 12/28/2016

Date Data Arrived at EDR: 12/28/2016

Date Made Active in Reports: 01/30/2017

Number of Days to Update: 33

Source: Dept of Environmental Quality

Telephone: 517-335-4035

Last EDR Contact: 06/29/2017

Next Scheduled EDR Contact: 10/09/2017

Data Release Frequency: Semi-Annually

State and tribal leaking storage tank lists

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: 01/05/2017

Date Data Arrived at EDR: 02/16/2017

Date Made Active in Reports: 04/21/2017

Number of Days to Update: 64

Source: Dept of Environmental Quality

Telephone: 517-373-9837

Last EDR Contact: 05/19/2017

Next Scheduled EDR Contact: 08/28/2017

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: 10/06/2016

Date Data Arrived at EDR: 01/26/2017

Date Made Active in Reports: 05/05/2017

Number of Days to Update: 99

Source: Environmental Protection Agency

Telephone: 415-972-3372

Last EDR Contact: 04/28/2017

Next Scheduled EDR Contact: 08/07/2017

Data Release Frequency: Quarterly

INDIAN LUST R10: Leaking Underground Storage Tanks on Indian Land

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

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 10/07/2016
Date Data Arrived at EDR: 01/26/2017
Date Made Active in Reports: 05/05/2017
Number of Days to Update: 99

Source: EPA Region 10
Telephone: 206-553-2857
Last EDR Contact: 04/28/2017
Next Scheduled EDR Contact: 08/07/2017
Data Release Frequency: Quarterly

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

Date of Government Version: 10/01/2016
Date Data Arrived at EDR: 01/26/2017
Date Made Active in Reports: 05/05/2017
Number of Days to Update: 99

Source: EPA Region 6
Telephone: 214-665-6597
Last EDR Contact: 04/28/2017
Next Scheduled EDR Contact: 08/07/2017
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: 09/01/2016
Date Data Arrived at EDR: 01/26/2017
Date Made Active in Reports: 05/05/2017
Number of Days to Update: 99

Source: EPA Region 7
Telephone: 913-551-7003
Last EDR Contact: 04/28/2017
Next Scheduled EDR Contact: 08/07/2017
Data Release Frequency: Varies

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

Date of Government Version: 10/17/2016
Date Data Arrived at EDR: 01/26/2017
Date Made Active in Reports: 05/05/2017
Number of Days to Update: 99

Source: EPA Region 8
Telephone: 303-312-6271
Last EDR Contact: 04/28/2017
Next Scheduled EDR Contact: 08/07/2017
Data Release Frequency: Quarterly

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: 11/14/2016
Date Data Arrived at EDR: 01/26/2017
Date Made Active in Reports: 05/05/2017
Number of Days to Update: 99

Source: EPA, Region 5
Telephone: 312-886-7439
Last EDR Contact: 04/28/2017
Next Scheduled EDR Contact: 08/07/2017
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: 11/14/2016
Date Data Arrived at EDR: 01/26/2017
Date Made Active in Reports: 05/05/2017
Number of Days to Update: 99

Source: EPA Region 1
Telephone: 617-918-1313
Last EDR Contact: 04/28/2017
Next Scheduled EDR Contact: 08/07/2017
Data Release Frequency: Varies

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

Date of Government Version: 10/14/2016
Date Data Arrived at EDR: 01/27/2017
Date Made Active in Reports: 05/05/2017
Number of Days to Update: 98

Source: EPA Region 4
Telephone: 404-562-8677
Last EDR Contact: 04/28/2017
Next Scheduled EDR Contact: 08/07/2017
Data Release Frequency: Semi-Annually

State and tribal registered storage tank lists

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: 01/01/2010
Date Data Arrived at EDR: 02/16/2010
Date Made Active in Reports: 04/12/2010
Number of Days to Update: 55

Source: FEMA
Telephone: 202-646-5797
Last EDR Contact: 04/11/2017
Next Scheduled EDR Contact: 07/24/2017
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: 10/21/2016
Date Data Arrived at EDR: 02/16/2017
Date Made Active in Reports: 05/03/2017
Number of Days to Update: 76

Source: Department of Licensing & Regulatory Affairs
Telephone: 517-373-1820
Last EDR Contact: 06/16/2017
Next Scheduled EDR Contact: 08/28/2017
Data Release Frequency: Annually

UST 2: Underground Storage Tank Listing

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

Date of Government Version: 10/18/2016
Date Data Arrived at EDR: 10/21/2016
Date Made Active in Reports: 01/30/2017
Number of Days to Update: 101

Source: Department of Licensing & Regulatory Affairs
Telephone: 517-373-1820
Last EDR Contact: 04/17/2017
Next Scheduled EDR Contact: 07/31/2017
Data Release Frequency: Annually

AST: Aboveground Tanks

Registered Aboveground Storage Tanks.

Date of Government Version: 11/02/2016
Date Data Arrived at EDR: 11/18/2016
Date Made Active in Reports: 01/26/2017
Number of Days to Update: 69

Source: Department of Licensing & Regulatory Affairs
Telephone: 517-373-1820
Last EDR Contact: 05/15/2017
Next Scheduled EDR Contact: 08/28/2017
Data Release Frequency: No Update Planned

INDIAN UST R1: Underground Storage Tanks on Indian Land

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

Date of Government Version: 11/14/2016
Date Data Arrived at EDR: 01/26/2017
Date Made Active in Reports: 05/05/2017
Number of Days to Update: 99

Source: EPA, Region 1
Telephone: 617-918-1313
Last EDR Contact: 04/28/2017
Next Scheduled EDR Contact: 08/07/2017
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: 10/14/2016
Date Data Arrived at EDR: 01/27/2017
Date Made Active in Reports: 05/05/2017
Number of Days to Update: 98

Source: EPA Region 4
Telephone: 404-562-9424
Last EDR Contact: 04/28/2017
Next Scheduled EDR Contact: 08/07/2017
Data Release Frequency: Semi-Annually

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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: 01/14/2017	Source: EPA Region 5
Date Data Arrived at EDR: 01/26/2017	Telephone: 312-886-6136
Date Made Active in Reports: 05/05/2017	Last EDR Contact: 04/28/2017
Number of Days to Update: 99	Next Scheduled EDR Contact: 08/07/2017
	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: 10/01/2016	Source: EPA Region 6
Date Data Arrived at EDR: 01/26/2017	Telephone: 214-665-7591
Date Made Active in Reports: 05/05/2017	Last EDR Contact: 04/28/2017
Number of Days to Update: 99	Next Scheduled EDR Contact: 08/07/2017
	Data Release Frequency: Semi-Annually

INDIAN UST R7: Underground Storage Tanks on Indian Land

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

Date of Government Version: 09/01/2016	Source: EPA Region 7
Date Data Arrived at EDR: 01/26/2017	Telephone: 913-551-7003
Date Made Active in Reports: 05/05/2017	Last EDR Contact: 04/28/2017
Number of Days to Update: 99	Next Scheduled EDR Contact: 08/07/2017
	Data Release Frequency: Varies

INDIAN UST R8: Underground Storage Tanks on Indian Land

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

Date of Government Version: 10/17/2016	Source: EPA Region 8
Date Data Arrived at EDR: 01/26/2017	Telephone: 303-312-6137
Date Made Active in Reports: 05/05/2017	Last EDR Contact: 04/28/2017
Number of Days to Update: 99	Next Scheduled EDR Contact: 08/07/2017
	Data Release Frequency: Quarterly

INDIAN UST R9: Underground Storage Tanks on Indian Land

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

Date of Government Version: 10/06/2016	Source: EPA Region 9
Date Data Arrived at EDR: 01/26/2017	Telephone: 415-972-3368
Date Made Active in Reports: 05/05/2017	Last EDR Contact: 04/28/2017
Number of Days to Update: 99	Next Scheduled EDR Contact: 08/07/2017
	Data Release Frequency: Quarterly

INDIAN UST R10: Underground Storage Tanks on Indian Land

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

Date of Government Version: 10/07/2016	Source: EPA Region 10
Date Data Arrived at EDR: 01/26/2017	Telephone: 206-553-2857
Date Made Active in Reports: 05/05/2017	Last EDR Contact: 04/28/2017
Number of Days to Update: 99	Next Scheduled EDR Contact: 08/07/2017
	Data Release Frequency: Quarterly

State and tribal institutional control / engineering control registries

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

AUL: Engineering and Institutional Controls

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

Date of Government Version: 02/28/2017

Date Data Arrived at EDR: 03/01/2017

Date Made Active in Reports: 04/18/2017

Number of Days to Update: 48

Source: Dept of Environmental Quality

Telephone: 517-373-4828

Last EDR Contact: 05/26/2017

Next Scheduled EDR Contact: 09/11/2017

Data Release Frequency: Varies

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: 06/27/2017

Next Scheduled EDR Contact: 10/09/2017

Data Release Frequency: Varies

INDIAN VCP R7: Voluntary Cleanup Priority Listing

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

Date of Government Version: 03/20/2008

Date Data Arrived at EDR: 04/22/2008

Date Made Active in Reports: 05/19/2008

Number of Days to Update: 27

Source: EPA, Region 7

Telephone: 913-551-7365

Last EDR Contact: 04/20/2009

Next Scheduled EDR Contact: 07/20/2009

Data Release Frequency: Varies

State and tribal Brownfields 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: 01/15/2016

Date Data Arrived at EDR: 02/02/2016

Date Made Active in Reports: 04/04/2016

Number of Days to Update: 62

Source: Dept of Environmental Quality

Telephone: 517-373-4805

Last EDR Contact: 04/24/2017

Next Scheduled EDR Contact: 08/07/2017

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: 04/09/2007

Date Data Arrived at EDR: 04/10/2007

Date Made Active in Reports: 05/01/2007

Number of Days to Update: 21

Source: Economic Development Corporation

Telephone: 888-522-0103

Last EDR Contact: 06/12/2017

Next Scheduled EDR Contact: 09/11/2017

Data Release Frequency: Varies

ADDITIONAL ENVIRONMENTAL RECORDS

Local Brownfield lists

US BROWNFIELDS: A Listing of Brownfields Sites

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

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 03/02/2017
Date Data Arrived at EDR: 03/02/2017
Date Made Active in Reports: 04/07/2017
Number of Days to Update: 36

Source: Environmental Protection Agency
Telephone: 202-566-2777
Last EDR Contact: 06/20/2017
Next Scheduled EDR Contact: 10/02/2017
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: 11/28/2016
Date Data Arrived at EDR: 11/29/2016
Date Made Active in Reports: 01/30/2017
Number of Days to Update: 62

Source: Dept of Environmental Quality
Telephone: 517-241-5719
Last EDR Contact: 06/23/2017
Next Scheduled EDR Contact: 10/09/2017
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
Date Data Arrived at EDR: 02/28/2003
Date Made Active in Reports: 03/06/2003
Number of Days to Update: 6

Source: Dept of Environmental Quality
Telephone: 517-335-4034
Last EDR Contact: 02/28/2003
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
Date Data Arrived at EDR: 12/03/2007
Date Made Active in Reports: 01/24/2008
Number of Days to Update: 52

Source: Environmental Protection Agency
Telephone: 703-308-8245
Last EDR Contact: 05/01/2017
Next Scheduled EDR Contact: 08/14/2017
Data Release Frequency: Varies

ODI: Open Dump Inventory

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

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

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

DEBRIS REGION 9: Torres Martinez Reservation Illegal Dump Site Locations

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

Date of Government Version: 01/12/2009
Date Data Arrived at EDR: 05/07/2009
Date Made Active in Reports: 09/21/2009
Number of Days to Update: 137

Source: EPA, Region 9
Telephone: 415-947-4219
Last EDR Contact: 04/24/2017
Next Scheduled EDR Contact: 08/07/2017
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: 05/05/2017
Next Scheduled EDR Contact: 08/14/2017
Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Local Lists of Hazardous waste / Contaminated Sites

US HIST CDL: National Clandestine Laboratory Register

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

Date of Government Version: 02/09/2017
Date Data Arrived at EDR: 03/08/2017
Date Made Active in Reports: 06/09/2017
Number of Days to Update: 93

Source: Drug Enforcement Administration
Telephone: 202-307-1000
Last EDR Contact: 02/28/2017
Next Scheduled EDR Contact: 06/12/2017
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: 01/24/2017
Date Data Arrived at EDR: 01/25/2017
Date Made Active in Reports: 04/20/2017
Number of Days to Update: 85

Source: Department of Environmental Quality
Telephone: 517-284-5136
Last EDR Contact: 04/26/2017
Next Scheduled EDR Contact: 08/07/2017
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.

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 Environmental Quality
Telephone: 517-284-5103
Last EDR Contact: 04/21/2017
Next Scheduled EDR Contact: 08/07/2017
Data Release Frequency: No Update Planned

CDL: Clandestine Drug Lab Listing

A listing of clandestine drug lab locations.

Date of Government Version: 12/31/2016
Date Data Arrived at EDR: 02/17/2017
Date Made Active in Reports: 04/18/2017
Number of Days to Update: 60

Source: Department of Community Health
Telephone: 517-373-3740
Last EDR Contact: 04/24/2017
Next Scheduled EDR Contact: 08/07/2017
Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

DEL PART 201: Delisted List of Contaminated Sites

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

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

Date of Government Version: 08/01/2013	Source: Dept of Environmental Quality
Date Data Arrived at EDR: 08/01/2013	Telephone: 517-373-9541
Date Made Active in Reports: 09/11/2013	Last EDR Contact: 04/21/2017
Number of Days to Update: 41	Next Scheduled EDR Contact: 08/07/2017
	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: 02/09/2017	Source: Drug Enforcement Administration
Date Data Arrived at EDR: 03/08/2017	Telephone: 202-307-1000
Date Made Active in Reports: 06/09/2017	Last EDR Contact: 05/31/2017
Number of Days to Update: 93	Next Scheduled EDR Contact: 09/11/2017
	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: 09/24/2015	Source: Dept of Environmental Quality
Date Data Arrived at EDR: 10/26/2016	Telephone: 517-241-7603
Date Made Active in Reports: 01/30/2017	Last EDR Contact: 04/21/2017
Number of Days to Update: 96	Next Scheduled EDR Contact: 07/31/2017
	Data Release Frequency: Varies

LIENS 2: CERCLA Lien Information

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

Date of Government Version: 02/18/2014	Source: Environmental Protection Agency
Date Data Arrived at EDR: 03/18/2014	Telephone: 202-564-6023
Date Made Active in Reports: 04/24/2014	Last EDR Contact: 06/09/2017
Number of Days to Update: 37	Next Scheduled EDR Contact: 08/07/2017
	Data Release Frequency: Varies

Records of Emergency Release Reports

HMIRS: Hazardous Materials Information Reporting System

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

Date of Government Version: 12/28/2016	Source: U.S. Department of Transportation
Date Data Arrived at EDR: 12/28/2016	Telephone: 202-366-4555
Date Made Active in Reports: 02/03/2017	Last EDR Contact: 06/28/2017
Number of Days to Update: 37	Next Scheduled EDR Contact: 10/09/2017
	Data Release Frequency: Annually

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

PEAS: Pollution Emergency Alerting System

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

Date of Government Version: 02/23/2017

Date Data Arrived at EDR: 02/24/2017

Date Made Active in Reports: 04/20/2017

Number of Days to Update: 55

Source: Dept of Environmental Quality

Telephone: 517-373-8427

Last EDR Contact: 04/24/2017

Next Scheduled EDR Contact: 08/07/2017

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: 12/12/2016

Date Data Arrived at EDR: 12/28/2016

Date Made Active in Reports: 02/10/2017

Number of Days to Update: 44

Source: Environmental Protection Agency

Telephone: 312-886-6186

Last EDR Contact: 06/29/2017

Next Scheduled EDR Contact: 10/09/2017

Data Release Frequency: Varies

FUDS: Formerly Used Defense Sites

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

Date of Government Version: 01/31/2015

Date Data Arrived at EDR: 07/08/2015

Date Made Active in Reports: 10/13/2015

Number of Days to Update: 97

Source: U.S. Army Corps of Engineers

Telephone: 202-528-4285

Last EDR Contact: 02/24/2017

Next Scheduled EDR Contact: 06/05/2017

Data Release Frequency: Varies

DOD: Department of Defense Sites

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

Date of Government Version: 12/31/2005

Date Data Arrived at EDR: 11/10/2006

Date Made Active in Reports: 01/11/2007

Number of Days to Update: 62

Source: USGS

Telephone: 888-275-8747

Last EDR Contact: 04/14/2017

Next Scheduled EDR Contact: 07/24/2017

Data Release Frequency: Semi-Annually

FEDLAND: Federal and Indian Lands

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

Date of Government Version: 12/31/2005

Date Data Arrived at EDR: 02/06/2006

Date Made Active in Reports: 01/11/2007

Number of Days to Update: 339

Source: U.S. Geological Survey

Telephone: 888-275-8747

Last EDR Contact: 04/14/2017

Next Scheduled EDR Contact: 07/24/2017

Data Release Frequency: N/A

SCRD DRYCLEANERS: State Coalition for Remediation of Drycleaners Listing

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

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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

Source: Environmental Protection Agency
Telephone: 615-532-8599
Last EDR Contact: 05/19/2017
Next Scheduled EDR Contact: 08/28/2017
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: 02/13/2017
Date Data Arrived at EDR: 02/15/2017
Date Made Active in Reports: 05/12/2017
Number of Days to Update: 86

Source: Environmental Protection Agency
Telephone: 202-566-1917
Last EDR Contact: 05/17/2017
Next Scheduled EDR Contact: 08/28/2017
Data Release Frequency: Quarterly

EPA WATCH LIST: EPA WATCH LIST

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

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

Source: Environmental Protection Agency
Telephone: 617-520-3000
Last EDR Contact: 05/08/2017
Next Scheduled EDR Contact: 08/21/2017
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: 04/22/2013
Date Data Arrived at EDR: 03/03/2015
Date Made Active in Reports: 03/09/2015
Number of Days to Update: 6

Source: Environmental Protection Agency
Telephone: 703-308-4044
Last EDR Contact: 05/05/2017
Next Scheduled EDR Contact: 08/21/2017
Data Release Frequency: Varies

TSCA: Toxic Substances Control Act

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

Date of Government Version: 12/31/2012
Date Data Arrived at EDR: 01/15/2015
Date Made Active in Reports: 01/29/2015
Number of Days to Update: 14

Source: EPA
Telephone: 202-260-5521
Last EDR Contact: 06/21/2017
Next Scheduled EDR Contact: 10/02/2017
Data Release Frequency: Every 4 Years

TRIS: Toxic Chemical Release Inventory System

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

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 12/31/2014
Date Data Arrived at EDR: 11/24/2015
Date Made Active in Reports: 04/05/2016
Number of Days to Update: 133

Source: EPA
Telephone: 202-566-0250
Last EDR Contact: 05/26/2017
Next Scheduled EDR Contact: 09/04/2017
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: 12/31/2009
Date Data Arrived at EDR: 12/10/2010
Date Made Active in Reports: 02/25/2011
Number of Days to Update: 77

Source: EPA
Telephone: 202-564-4203
Last EDR Contact: 04/26/2017
Next Scheduled EDR Contact: 08/07/2017
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: 11/25/2013
Date Data Arrived at EDR: 12/12/2013
Date Made Active in Reports: 02/24/2014
Number of Days to Update: 74

Source: EPA
Telephone: 703-416-0223
Last EDR Contact: 06/09/2017
Next Scheduled EDR Contact: 09/18/2017
Data Release Frequency: Annually

RMP: Risk Management Plans

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

Date of Government Version: 02/01/2017
Date Data Arrived at EDR: 02/09/2017
Date Made Active in Reports: 04/07/2017
Number of Days to Update: 57

Source: Environmental Protection Agency
Telephone: 202-564-8600
Last EDR Contact: 04/21/2017
Next Scheduled EDR Contact: 08/07/2017
Data Release Frequency: Varies

RAATS: RCRA Administrative Action Tracking System

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

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

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

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

PRP: Potentially Responsible Parties

A listing of verified Potentially Responsible Parties

Date of Government Version: 10/25/2013	Source: EPA
Date Data Arrived at EDR: 10/17/2014	Telephone: 202-564-6023
Date Made Active in Reports: 10/20/2014	Last EDR Contact: 06/06/2017
Number of Days to Update: 3	Next Scheduled EDR Contact: 08/21/2017
	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: 01/20/2016	Source: EPA
Date Data Arrived at EDR: 04/28/2016	Telephone: 202-566-0500
Date Made Active in Reports: 09/02/2016	Last EDR Contact: 04/10/2017
Number of Days to Update: 127	Next Scheduled EDR Contact: 07/24/2017
	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: 04/10/2017
Number of Days to Update: 79	Next Scheduled EDR Contact: 07/24/2017
	Data Release Frequency: Quarterly

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

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

Date of Government Version: 04/09/2009	Source: EPA/Office of Prevention, Pesticides and Toxic Substances
Date Data Arrived at EDR: 04/16/2009	Telephone: 202-566-1667
Date Made Active in Reports: 05/11/2009	Last EDR Contact: 05/19/2017
Number of Days to Update: 25	Next Scheduled EDR Contact: 09/04/2017
	Data Release Frequency: Quarterly

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

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

Date of Government Version: 04/09/2009	Source: EPA
Date Data Arrived at EDR: 04/16/2009	Telephone: 202-566-1667
Date Made Active in Reports: 05/11/2009	Last EDR Contact: 05/19/2017
Number of Days to Update: 25	Next Scheduled EDR Contact: 09/04/2017
	Data Release Frequency: Quarterly

MLTS: Material Licensing Tracking System

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

Date of Government Version: 08/30/2016	Source: Nuclear Regulatory Commission
Date Data Arrived at EDR: 09/08/2016	Telephone: 301-415-7169
Date Made Active in Reports: 10/21/2016	Last EDR Contact: 05/08/2017
Number of Days to Update: 43	Next Scheduled EDR Contact: 08/21/2017
	Data Release Frequency: Quarterly

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

COAL ASH DOE: Steam-Electric Plant Operation Data

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

Date of Government Version: 12/31/2005	Source: Department of Energy
Date Data Arrived at EDR: 08/07/2009	Telephone: 202-586-8719
Date Made Active in Reports: 10/22/2009	Last EDR Contact: 06/05/2017
Number of Days to Update: 76	Next Scheduled EDR Contact: 09/18/2017
	Data Release Frequency: Varies

COAL ASH EPA: Coal Combustion Residues Surface Impoundments List

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

Date of Government Version: 07/01/2014	Source: Environmental Protection Agency
Date Data Arrived at EDR: 09/10/2014	Telephone: N/A
Date Made Active in Reports: 10/20/2014	Last EDR Contact: 06/05/2017
Number of Days to Update: 40	Next Scheduled EDR Contact: 09/18/2017
	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: 02/01/2011	Source: Environmental Protection Agency
Date Data Arrived at EDR: 10/19/2011	Telephone: 202-566-0517
Date Made Active in Reports: 01/10/2012	Last EDR Contact: 04/28/2017
Number of Days to Update: 83	Next Scheduled EDR Contact: 08/07/2017
	Data Release Frequency: Varies

RADINFO: Radiation Information Database

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

Date of Government Version: 01/04/2017	Source: Environmental Protection Agency
Date Data Arrived at EDR: 01/06/2017	Telephone: 202-343-9775
Date Made Active in Reports: 02/10/2017	Last EDR Contact: 04/06/2017
Number of Days to Update: 35	Next Scheduled EDR Contact: 07/17/2017
	Data Release Frequency: Quarterly

HIST FTTS: FIFRA/TSCA Tracking System Administrative Case Listing

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

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

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

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

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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

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

DOT OPS: Incident and Accident Data

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

Date of Government Version: 07/31/2012
Date Data Arrived at EDR: 08/07/2012
Date Made Active in Reports: 09/18/2012
Number of Days to Update: 42

Source: Department of Transportation, Office of Pipeline Safety
Telephone: 202-366-4595
Last EDR Contact: 05/02/2017
Next Scheduled EDR Contact: 08/14/2017
Data Release Frequency: Varies

CONSENT: Superfund (CERCLA) Consent Decrees

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

Date of Government Version: 09/30/2016
Date Data Arrived at EDR: 11/18/2016
Date Made Active in Reports: 02/03/2017
Number of Days to Update: 77

Source: Department of Justice, Consent Decree Library
Telephone: Varies
Last EDR Contact: 06/21/2017
Next Scheduled EDR Contact: 10/09/2017
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: 12/31/2013
Date Data Arrived at EDR: 02/24/2015
Date Made Active in Reports: 09/30/2015
Number of Days to Update: 218

Source: EPA/NTIS
Telephone: 800-424-9346
Last EDR Contact: 05/26/2017
Next Scheduled EDR Contact: 09/04/2017
Data Release Frequency: Biennially

INDIAN RESERV: Indian Reservations

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

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

Source: USGS
Telephone: 202-208-3710
Last EDR Contact: 04/14/2017
Next Scheduled EDR Contact: 07/24/2017
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: 12/23/2016
Date Data Arrived at EDR: 12/27/2016
Date Made Active in Reports: 02/17/2017
Number of Days to Update: 52

Source: Department of Energy
Telephone: 202-586-3559
Last EDR Contact: 05/05/2017
Next Scheduled EDR Contact: 08/21/2017
Data Release Frequency: Varies

UMTRA: Uranium Mill Tailings Sites

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

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 09/14/2010
Date Data Arrived at EDR: 10/07/2011
Date Made Active in Reports: 03/01/2012
Number of Days to Update: 146

Source: Department of Energy
Telephone: 505-845-0011
Last EDR Contact: 05/22/2017
Next Scheduled EDR Contact: 09/04/2017
Data Release Frequency: Varies

LEAD SMELTER 1: Lead Smelter Sites

A listing of former lead smelter site locations.

Date of Government Version: 12/05/2016
Date Data Arrived at EDR: 01/05/2017
Date Made Active in Reports: 02/10/2017
Number of Days to Update: 36

Source: Environmental Protection Agency
Telephone: 703-603-8787
Last EDR Contact: 06/09/2017
Next Scheduled EDR Contact: 07/17/2017
Data Release Frequency: Varies

LEAD SMELTER 2: Lead Smelter Sites

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

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

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

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

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

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

Source: EPA
Telephone: 202-564-2496
Last EDR Contact: 06/21/2017
Next Scheduled EDR Contact: 10/09/2017
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: 06/21/2017
Next Scheduled EDR Contact: 10/09/2017
Data Release Frequency: Annually

US MINES: Mines Master Index File

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

Date of Government Version: 02/08/2017
Date Data Arrived at EDR: 02/28/2017
Date Made Active in Reports: 04/07/2017
Number of Days to Update: 38

Source: Department of Labor, Mine Safety and Health Administration
Telephone: 303-231-5959
Last EDR Contact: 05/31/2017
Next Scheduled EDR Contact: 09/11/2017
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.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 12/05/2005
Date Data Arrived at EDR: 02/29/2008
Date Made Active in Reports: 04/18/2008
Number of Days to Update: 49

Source: USGS
Telephone: 703-648-7709
Last EDR Contact: 05/31/2017
Next Scheduled EDR Contact: 09/11/2017
Data Release Frequency: Varies

US MINES 3: Active Mines & Mineral Plants Database Listing

Active Mines and Mineral Processing Plant operations for commodities monitored by the Minerals Information Team of the USGS.

Date of Government Version: 04/14/2011
Date Data Arrived at EDR: 06/08/2011
Date Made Active in Reports: 09/13/2011
Number of Days to Update: 97

Source: USGS
Telephone: 703-648-7709
Last EDR Contact: 06/02/2017
Next Scheduled EDR Contact: 09/11/2017
Data Release Frequency: Varies

ABANDONED MINES: Abandoned Mines

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

Date of Government Version: 03/14/2017
Date Data Arrived at EDR: 03/17/2017
Date Made Active in Reports: 04/07/2017
Number of Days to Update: 21

Source: Department of Interior
Telephone: 202-208-2609
Last EDR Contact: 06/09/2017
Next Scheduled EDR Contact: 09/25/2017
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: 04/04/2017
Date Data Arrived at EDR: 04/07/2017
Date Made Active in Reports: 05/12/2017
Number of Days to Update: 35

Source: EPA
Telephone: (312) 353-2000
Last EDR Contact: 06/07/2017
Next Scheduled EDR Contact: 09/18/2017
Data Release Frequency: Quarterly

UXO: Unexploded Ordnance Sites

A listing of unexploded ordnance site locations

Date of Government Version: 10/25/2015
Date Data Arrived at EDR: 01/29/2016
Date Made Active in Reports: 04/05/2016
Number of Days to Update: 67

Source: Department of Defense
Telephone: 571-373-0407
Last EDR Contact: 05/22/2017
Next Scheduled EDR Contact: 07/31/2017
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: 03/19/2017
Date Data Arrived at EDR: 03/21/2017
Date Made Active in Reports: 05/12/2017
Number of Days to Update: 52

Source: Environmental Protection Agency
Telephone: 202-564-2280
Last EDR Contact: 06/07/2017
Next Scheduled EDR Contact: 09/18/2017
Data Release Frequency: Quarterly

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

DOCKET HWC: Hazardous Waste Compliance Docket Listing

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

Date of Government Version: 06/02/2016	Source: Environmental Protection Agency
Date Data Arrived at EDR: 06/03/2016	Telephone: 202-564-0527
Date Made Active in Reports: 09/02/2016	Last EDR Contact: 05/24/2017
Number of Days to Update: 91	Next Scheduled EDR Contact: 09/11/2017
	Data Release Frequency: Varies

FUELS PROGRAM: EPA Fuels Program Registered Listing

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

Date of Government Version: 02/22/2017	Source: EPA
Date Data Arrived at EDR: 02/22/2017	Telephone: 800-385-6164
Date Made Active in Reports: 05/12/2017	Last EDR Contact: 05/24/2017
Number of Days to Update: 79	Next Scheduled EDR Contact: 09/04/2017
	Data Release Frequency: Quarterly

AIRS: Permit and Emissions Inventory Data

Permit and emissions inventory data.

Date of Government Version: 03/21/2017	Source: Dept of Environmental Quality
Date Data Arrived at EDR: 03/29/2017	Telephone: 517-373-7074
Date Made Active in Reports: 04/18/2017	Last EDR Contact: 06/19/2017
Number of Days to Update: 20	Next Scheduled EDR Contact: 10/02/2017
	Data Release Frequency: Varies

BEA: Baseline Environmental Assessment Database

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

Date of Government Version: 08/21/2013	Source: Dept of Environmental Quality
Date Data Arrived at EDR: 08/23/2013	Telephone: 517-373-9541
Date Made Active in Reports: 09/12/2013	Last EDR Contact: 05/15/2017
Number of Days to Update: 20	Next Scheduled EDR Contact: 08/28/2017
	Data Release Frequency: No Update Planned

COAL ASH: Coal Ash Disposal Sites

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

Date of Government Version: 10/20/2016	Source: Dept of Environmental Quality
Date Data Arrived at EDR: 02/02/2017	Telephone: 586-753-3754
Date Made Active in Reports: 04/20/2017	Last EDR Contact: 04/03/2017
Number of Days to Update: 77	Next Scheduled EDR Contact: 07/17/2017
	Data Release Frequency: Varies

DRYCLEANERS: Drycleaning Establishments

A listing of drycleaning facilities in Michigan.

Date of Government Version: 01/20/2017	Source: Dept of Environmental Quality
Date Data Arrived at EDR: 01/24/2017	Telephone: 517-335-4586
Date Made Active in Reports: 04/20/2017	Last EDR Contact: 06/29/2017
Number of Days to Update: 86	Next Scheduled EDR Contact: 10/16/2017
	Data Release Frequency: Annually

Financial Assurance 1: Financial Assurance Information Listing

Financial assurance information.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 04/07/2017
Date Data Arrived at EDR: 04/11/2017
Date Made Active in Reports: 04/20/2017
Number of Days to Update: 9

Source: Dept of Environmental Quality
Telephone: 517-335-6610
Last EDR Contact: 06/29/2017
Next Scheduled EDR Contact: 10/16/2017
Data Release Frequency: Varies

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: 01/05/2011
Date Data Arrived at EDR: 01/07/2011
Date Made Active in Reports: 02/14/2011
Number of Days to Update: 38

Source: Dept of Environmental Quality
Telephone: 517-335-4034
Last EDR Contact: 06/23/2017
Next Scheduled EDR Contact: 10/09/2017
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: 09/15/2015
Date Data Arrived at EDR: 09/16/2015
Date Made Active in Reports: 09/30/2015
Number of Days to Update: 14

Source: Department of Community Health
Telephone: 517-335-9699
Last EDR Contact: 06/05/2017
Next Scheduled EDR Contact: 09/18/2017
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.

Date of Government Version: 10/27/2016
Date Data Arrived at EDR: 01/06/2017
Date Made Active in Reports: 04/20/2017
Number of Days to Update: 104

Source: Dept of Environmental Quality
Telephone: 517-241-1300
Last EDR Contact: 04/07/2017
Next Scheduled EDR Contact: 07/17/2017
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: 11/07/2016
Date Data Arrived at EDR: 11/08/2016
Date Made Active in Reports: 01/30/2017
Number of Days to Update: 83

Source: Dept of Environmental Quality
Telephone: 517-241-1515
Last EDR Contact: 04/24/2017
Next Scheduled EDR Contact: 08/07/2017
Data Release Frequency: Varies

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: 02/01/2017
Date Data Arrived at EDR: 02/03/2017
Date Made Active in Reports: 04/20/2017
Number of Days to Update: 76

Source: Dept of Environmental Quality
Telephone: 517-284-6562
Last EDR Contact: 05/22/2017
Next Scheduled EDR Contact: 09/04/2017
Data Release Frequency: Quarterly

EDR HIGH RISK HISTORICAL RECORDS

EDR Exclusive Records

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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 Historic Gas Stations

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

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

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

EDR Hist Cleaner: EDR Exclusive Historic Dry Cleaners

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

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

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

EDR RECOVERED GOVERNMENT ARCHIVES

Exclusive Recovered Govt. Archives

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

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

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

Source: Department of Environmental Quality
Telephone: N/A
Last EDR Contact: 06/01/2012
Next Scheduled EDR Contact: N/A
Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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 Environmental Quality

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 Environmental Quality

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: 07/30/2013

Source: Department of Energy & Environmental Protection

Date Data Arrived at EDR: 08/19/2013

Telephone: 860-424-3375

Date Made Active in Reports: 10/03/2013

Last EDR Contact: 05/15/2017

Number of Days to Update: 45

Next Scheduled EDR Contact: 08/28/2017

Data Release Frequency: No Update Planned

NJ MANIFEST: Manifest Information

Hazardous waste manifest information.

Date of Government Version: 12/31/2015

Source: Department of Environmental Protection

Date Data Arrived at EDR: 09/29/2016

Telephone: N/A

Date Made Active in Reports: 01/03/2017

Last EDR Contact: 04/11/2017

Number of Days to Update: 96

Next Scheduled EDR Contact: 07/24/2017

Data Release Frequency: Annually

NY MANIFEST: Facility and Manifest Data

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

Date of Government Version: 01/30/2017

Source: Department of Environmental Conservation

Date Data Arrived at EDR: 02/01/2017

Telephone: 518-402-8651

Date Made Active in Reports: 02/13/2017

Last EDR Contact: 05/03/2017

Number of Days to Update: 12

Next Scheduled EDR Contact: 08/14/2017

Data Release Frequency: Annually

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

PA MANIFEST: Manifest Information

Hazardous waste manifest information.

Date of Government Version: 12/31/2015
Date Data Arrived at EDR: 07/22/2016
Date Made Active in Reports: 11/22/2016
Number of Days to Update: 123

Source: Department of Environmental Protection
Telephone: 717-783-8990
Last EDR Contact: 04/18/2017
Next Scheduled EDR Contact: 07/31/2017
Data Release Frequency: Annually

RI MANIFEST: Manifest information

Hazardous waste manifest information

Date of Government Version: 12/31/2013
Date Data Arrived at EDR: 06/19/2015
Date Made Active in Reports: 07/15/2015
Number of Days to Update: 26

Source: Department of Environmental Management
Telephone: 401-222-2797
Last EDR Contact: 05/22/2017
Next Scheduled EDR Contact: 09/04/2017
Data Release Frequency: Annually

WI MANIFEST: Manifest Information

Hazardous waste manifest information.

Date of Government Version: 12/31/2015
Date Data Arrived at EDR: 04/14/2016
Date Made Active in Reports: 06/03/2016
Number of Days to Update: 50

Source: Department of Natural Resources
Telephone: N/A
Last EDR Contact: 06/12/2017
Next Scheduled EDR Contact: 09/25/2017
Data Release Frequency: Annually

Oil/Gas Pipelines

Source: PennWell Corporation

Petroleum Bundle (Crude Oil, Refined Products, Petrochemicals, Gas Liquids (LPG/NGL), and Specialty Gases (Miscellaneous)) N = Natural Gas Bundle (Natural Gas, Gas Liquids (LPG/NGL), and Specialty Gases (Miscellaneous)). This map includes information copyrighted by PennWell Corporation. This information is provided on a best effort basis and PennWell Corporation does not guarantee its accuracy nor warrant its fitness for any particular purpose. Such information has been reprinted with the permission of PennWell.

Electric Power Transmission Line Data

Source: PennWell Corporation

This map includes information copyrighted by PennWell Corporation. This information is provided on a best effort basis and PennWell Corporation does not guarantee its accuracy nor warrant its fitness for any particular purpose. Such information has been reprinted with the permission of PennWell.

Sensitive Receptors: There are individuals deemed sensitive receptors due to their fragile immune systems and special sensitivity to environmental discharges. These sensitive receptors typically include the elderly, the sick, and children. While the location of all sensitive receptors cannot be determined, EDR indicates those buildings and facilities - schools, daycares, hospitals, medical centers, and nursing homes - where individuals who are sensitive receptors are likely to be located.

AHA Hospitals:

Source: American Hospital Association, Inc.

Telephone: 312-280-5991

The database includes a listing of hospitals based on the American Hospital Association's annual survey of hospitals.

Medical Centers: Provider of Services Listing

Source: Centers for Medicare & Medicaid Services

Telephone: 410-786-3000

A listing of hospitals with Medicare provider number, produced by Centers of Medicare & Medicaid Services, a federal agency within the U.S. Department of Health and Human Services.

Nursing Homes

Source: National Institutes of Health

Telephone: 301-594-6248

Information on Medicare and Medicaid certified nursing homes in the United States.

Public Schools

Source: National Center for Education Statistics

Telephone: 202-502-7300

The National Center for Education Statistics' primary database on elementary and secondary public education in the United States. It is a comprehensive, annual, national statistical database of all public elementary and secondary schools and school districts, which contains data that are comparable across all states.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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 and 2010 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

© 2015 TomTom North America, Inc. All rights reserved. This material is proprietary and the subject of copyright protection and other intellectual property rights owned by or licensed to Tele Atlas North America, Inc. The use of this material is subject to the terms of a license agreement. You will be held liable for any unauthorized copying or disclosure of this material.

Appendix B

EDR Historical Topographical Report



Former Mclouth Steel Company

1491 West Jefferson

Trenton, MI 48183

Inquiry Number: 4796465.4

December 02, 2016

EDR Historical Topo Map Report

with QuadMatch™



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

EDR Historical Topo Map Report

12/02/16

Site Name:

Former Mclouth Steel Compan
1491 West Jefferson
Trenton, MI 48183
EDR Inquiry # 4796465.4

Client Name:

ECT
3399 Veterans Drive
Traverse City, MI 49684
Contact: Ryan Higuchi



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

Search Results:**Coordinates:**

P.O.#	160009-0300	Latitude:	42.162419 42° 9' 45" North
Project:	Former McLouth Steel Phyto	Longitude:	-83.169414 -83° 10' 10" West
		UTM Zone:	Zone 17 North
		UTM X Meters:	320787.59
		UTM Y Meters:	4670087.61
		Elevation:	588.00' above sea level

Maps Provided:

2014
1981
1973
1967
1952
1936
1906

Disclaimer - Copyright and Trademark Notice

This Report contains certain information obtained from a variety of public and other sources reasonably available to Environmental Data Resources, Inc. It cannot be concluded from this Report that coverage information for the target and surrounding properties does not exist from other sources. NO WARRANTY EXPRESSED OR IMPLIED, IS MADE WHATSOEVER IN CONNECTION WITH THIS REPORT. ENVIRONMENTAL DATA RESOURCES, INC. SPECIFICALLY DISCLAIMS THE MAKING OF ANY SUCH WARRANTIES, INCLUDING WITHOUT LIMITATION, MERCHANTABILITY OR FITNESS FOR A PARTICULAR USE OR PURPOSE. ALL RISK IS ASSUMED BY THE USER. IN NO EVENT SHALL ENVIRONMENTAL DATA RESOURCES, INC. BE LIABLE TO ANYONE, WHETHER ARISING OUT OF ERRORS OR OMISSIONS, NEGLIGENCE, ACCIDENT OR ANY OTHER CAUSE, FOR ANY LOSS OF DAMAGE, INCLUDING, WITHOUT LIMITATION, SPECIAL, INCIDENTAL, CONSEQUENTIAL, OR EXEMPLARY DAMAGES. ANY LIABILITY ON THE PART OF ENVIRONMENTAL DATA RESOURCES, INC. IS STRICTLY LIMITED TO A REFUND OF THE AMOUNT PAID FOR THIS REPORT. Purchaser accepts this Report "AS IS". Any analyses, estimates, ratings, environmental risk levels or risk codes provided in this Report are provided for illustrative purposes only, and are not intended to provide, nor should they be interpreted as providing any facts regarding, or prediction or forecast of, any environmental risk for any property. Only a Phase I Environmental Site Assessment performed by an environmental professional can provide information regarding the environmental risk for any property. Additionally, the information provided in this Report is not to be construed as legal advice.

Copyright 2016 by Environmental Data Resources, Inc. All rights reserved. Reproduction in any media or format, in whole or in part, of any report or map of Environmental Data Resources, Inc., or its affiliates, is prohibited without prior written permission.

EDR and its logos (including Sanborn and Sanborn Map) are trademarks of Environmental Data Resources, Inc. or its affiliates. All other trademarks used herein are the property of their respective owners.

Topo Sheet Key

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

2014 Source Sheets



Wyandotte
2014
7.5-minute, 24000

1981 Source Sheets



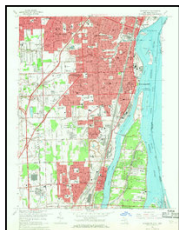
Wyandotte
1981
7.5-minute, 24000
Photo Revised 1981
Aerial Photo Revised 1981

1973 Source Sheets



Wyandotte
1973
7.5-minute, 24000
Photo Revised 1973
Aerial Photo Revised 1973

1967 Source Sheets



Wyandotte
1967
7.5-minute, 24000
Edited 1967

Topo Sheet Key

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

1952 Source Sheets



Wyandotte
1952
7.5-minute, 24000

1936 Source Sheets

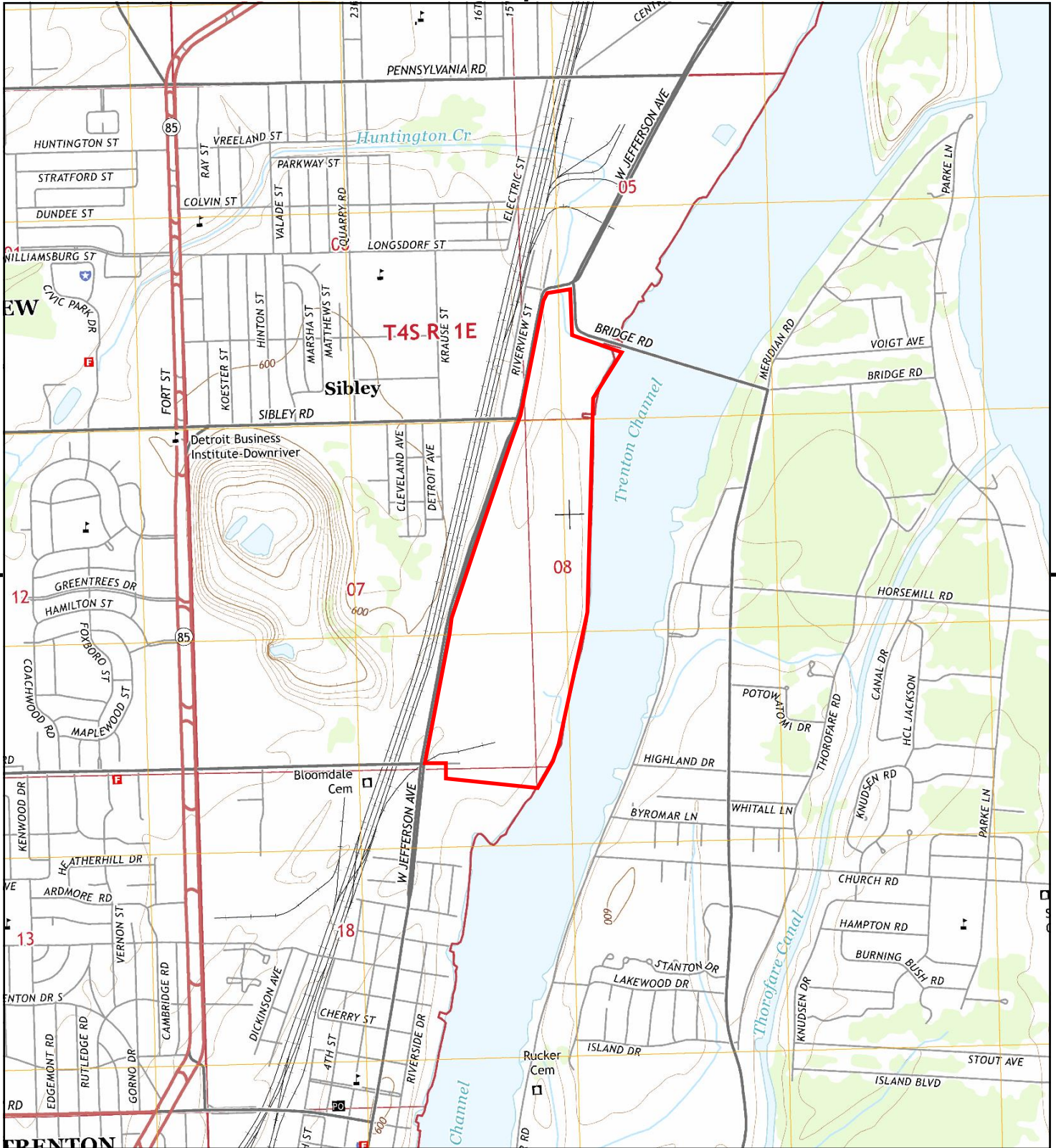


Wyandotte
1936
7.5-minute, 31680

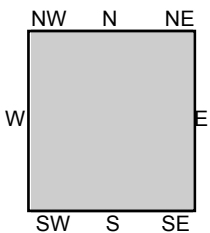
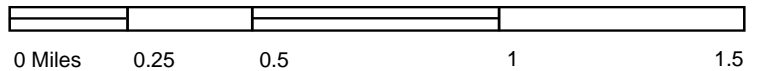
1906 Source Sheets



Wyandotte
1906
15-minute, 62500



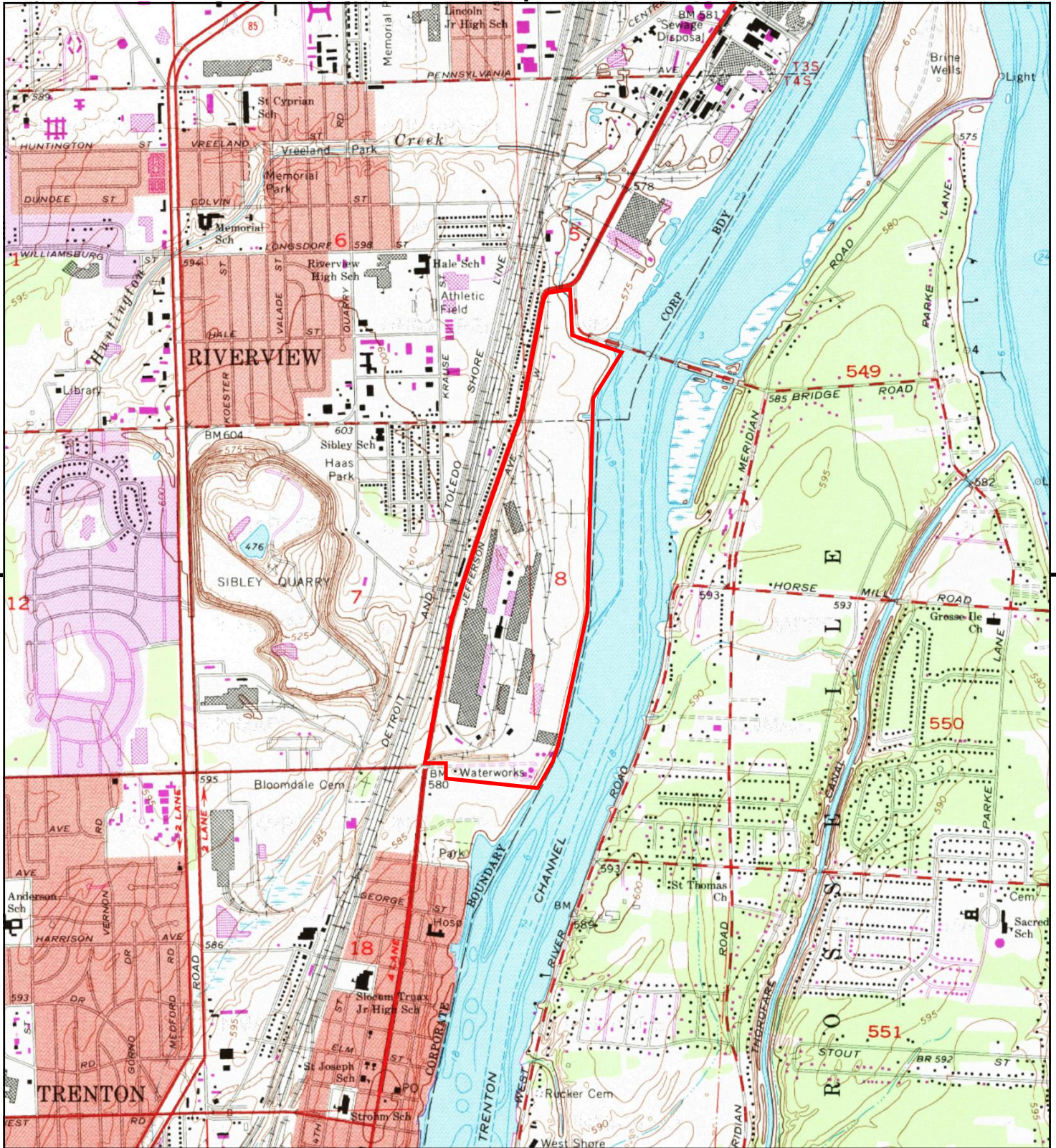
This report includes information from the following map sheet(s).



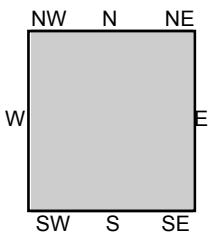
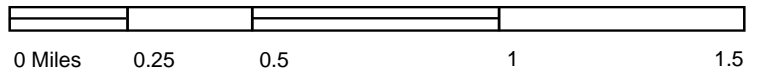
TP, Wyandotte, 2014, 7.5-minute

SITE NAME: Former Mclouth Steel Company
 ADDRESS: 1491 West Jefferson
 Trenton, MI 48183
 CLIENT: ECT





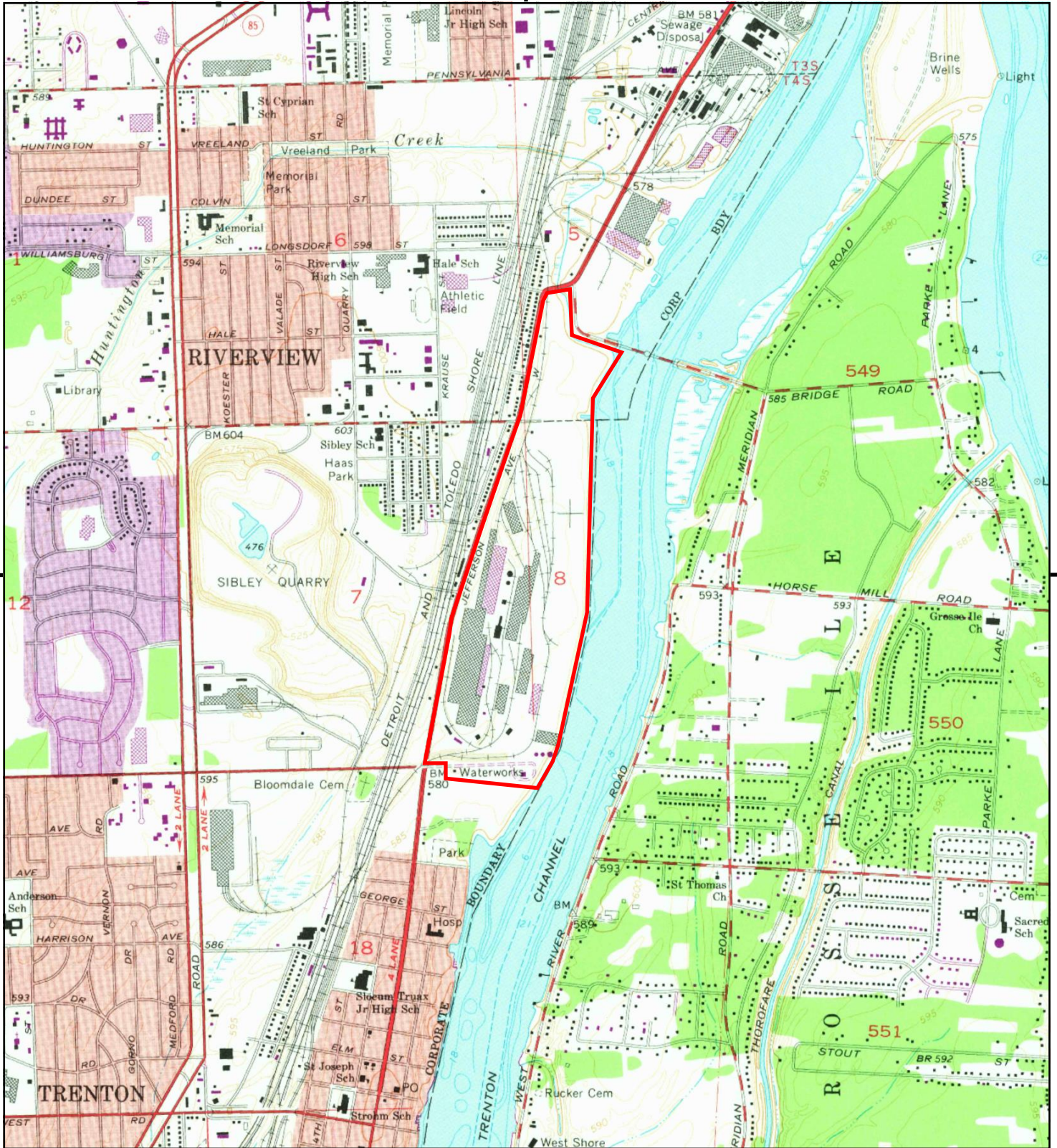
This report includes information from the following map sheet(s).



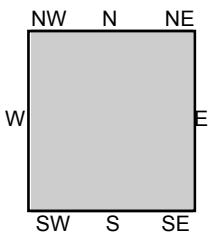
TP, Wyandotte, 1981, 7.5-minute

SITE NAME: Former Mcclouth Steel Company
 ADDRESS: 1491 West Jefferson
 Trenton, MI 48183
 CLIENT: ECT





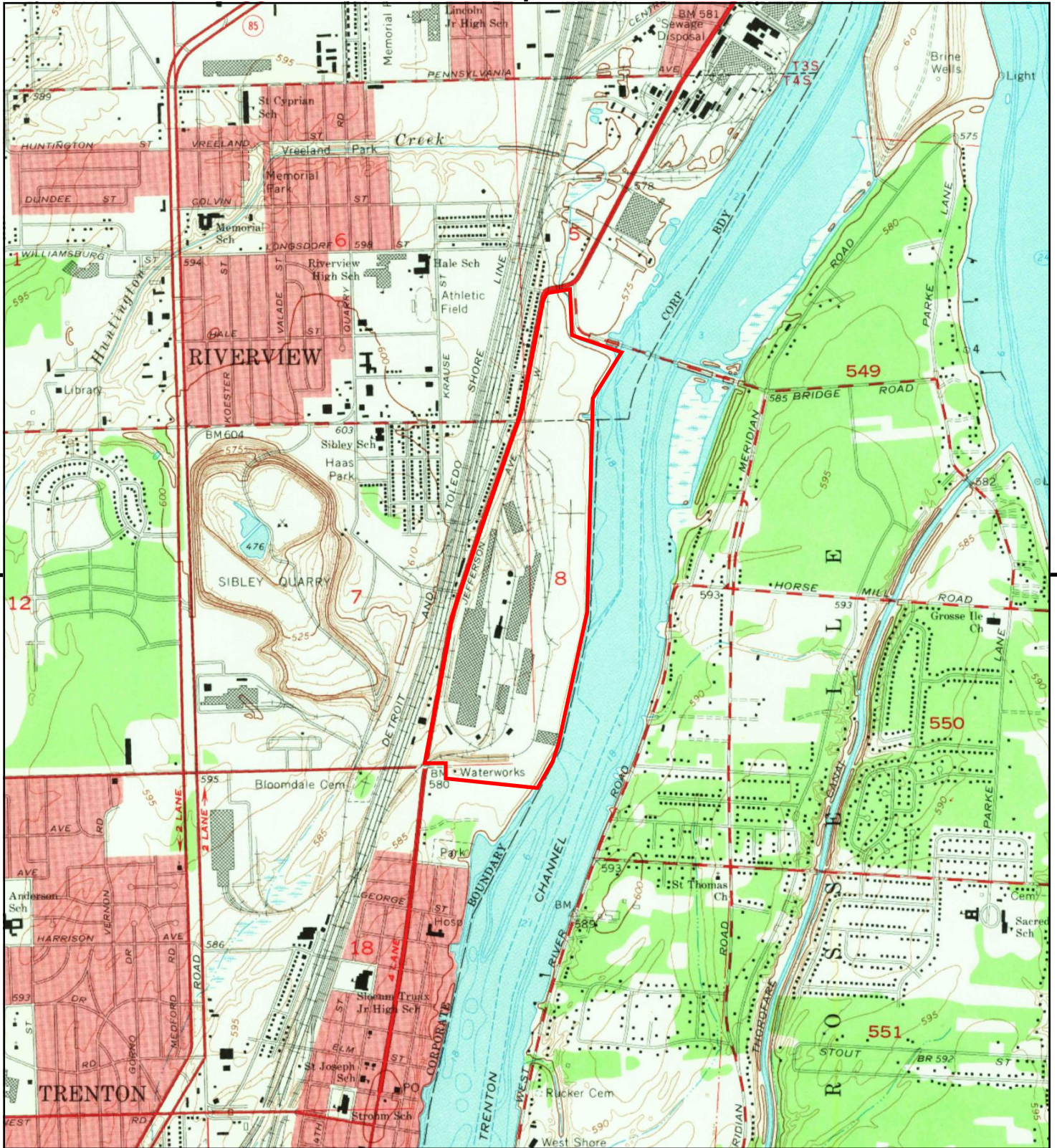
This report includes information from the following map sheet(s).



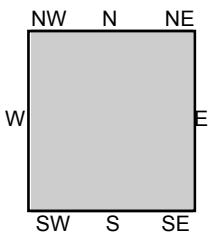
TP, Wyandotte, 1973, 7.5-minute

SITE NAME: Former Mcclouth Steel Company
 ADDRESS: 1491 West Jefferson
 Trenton, MI 48183
 CLIENT: ECT





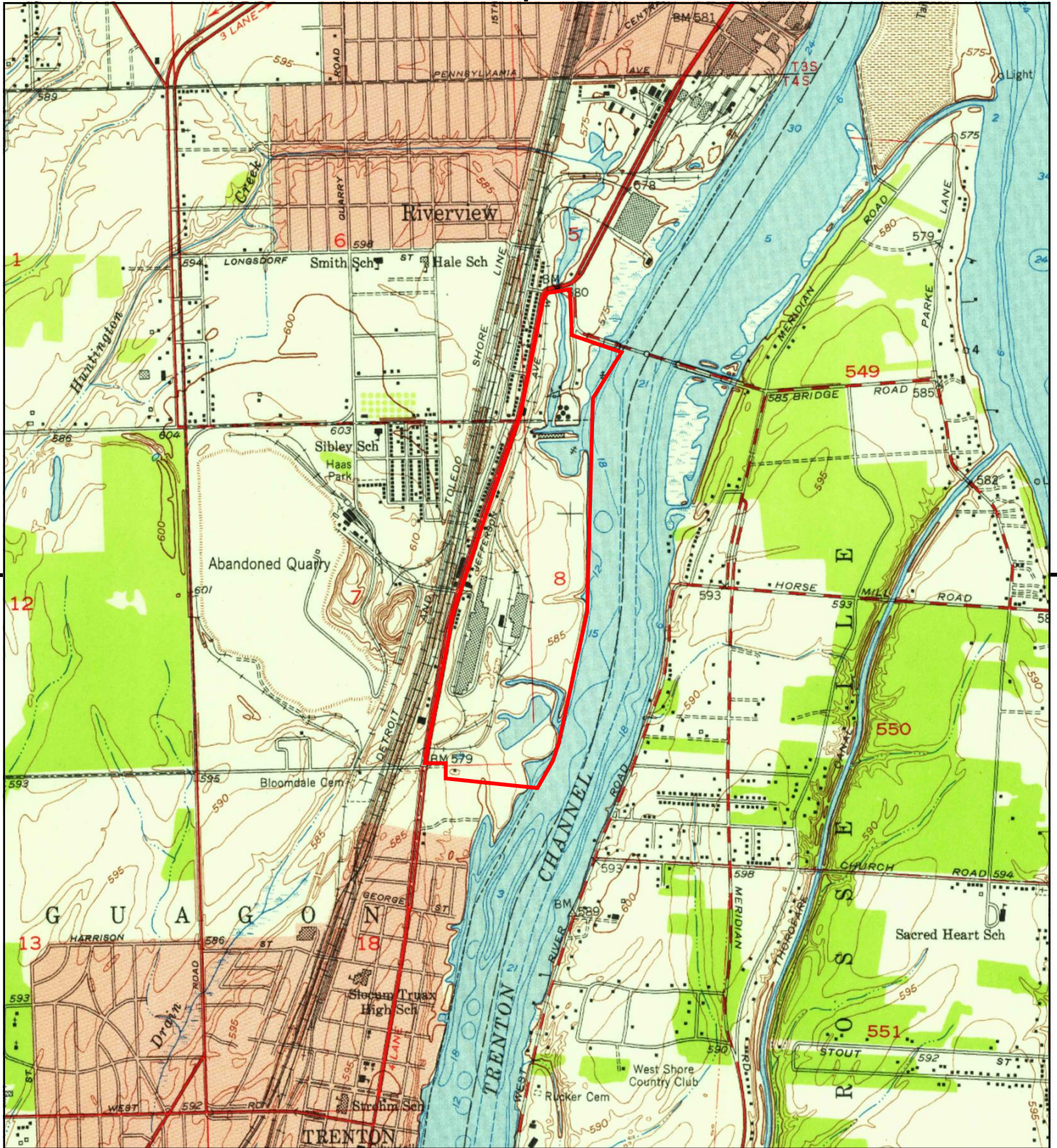
This report includes information from the following map sheet(s).



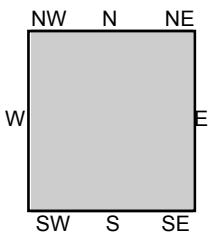
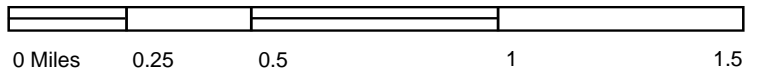
TP, Wyandotte, 1967, 7.5-minute

SITE NAME: Former Mcclouth Steel Company
 ADDRESS: 1491 West Jefferson
 Trenton, MI 48183
 CLIENT: ECT





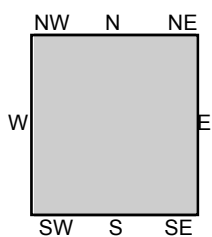
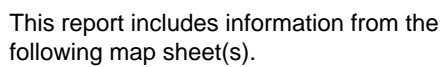
This report includes information from the following map sheet(s).



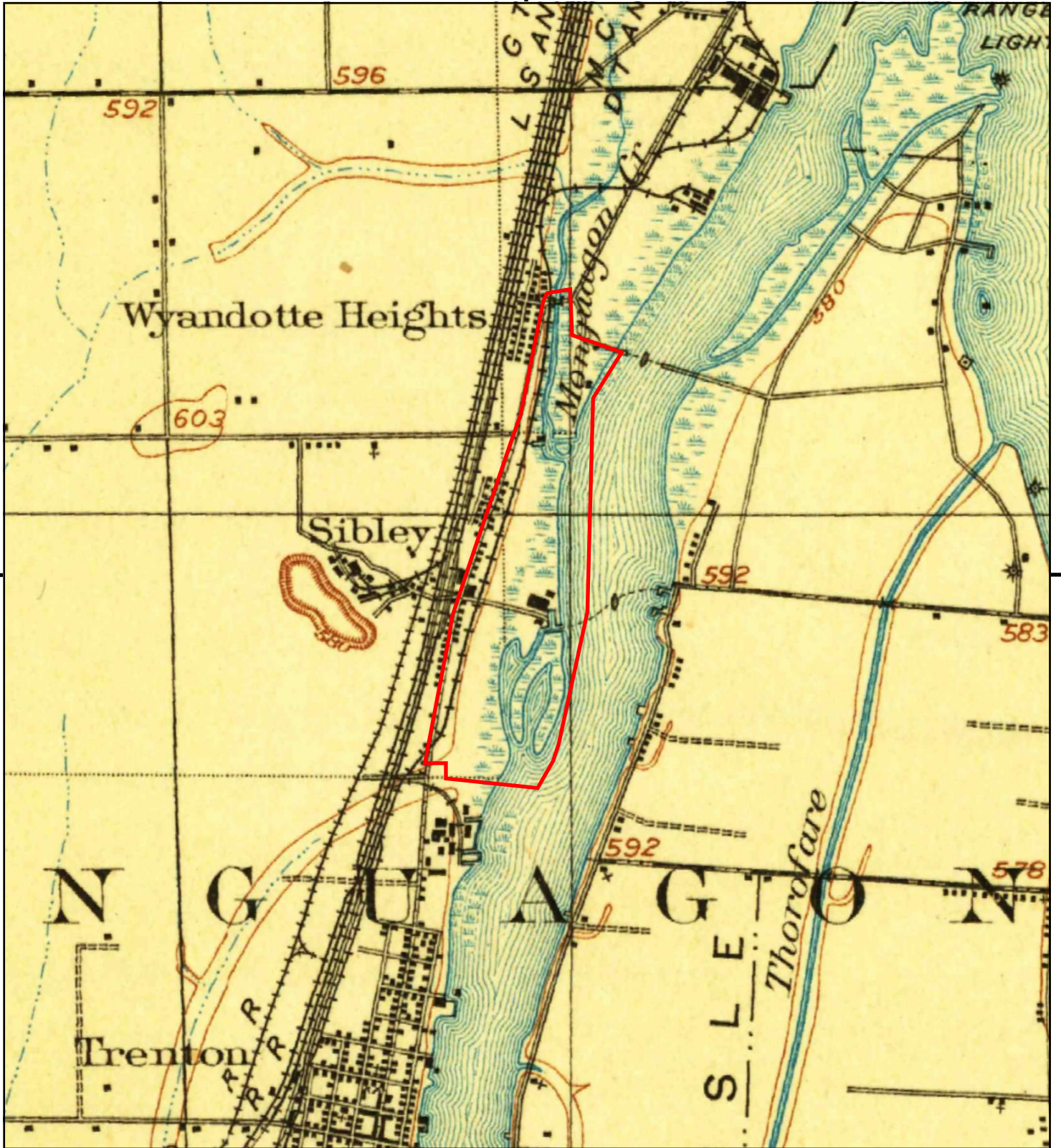
TP, Wyandotte, 1952, 7.5-minute

SITE NAME: Former Mcclouth Steel Company
ADDRESS: 1491 West Jefferson
Trenton, MI 48183
CLIENT: ECT

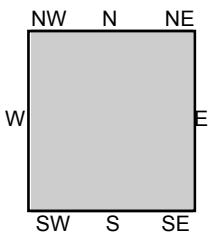




SITE NAME: Former Mclouth Steel Company
ADDRESS: 1491 West Jefferson
Trenton, MI 48183
CLIENT: ECT



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



TP, Wyandotte, 1906, 15-minute

SITE NAME: Former Mclouth Steel Company
 ADDRESS: 1491 West Jefferson
 Trenton, MI 48183
 CLIENT: ECT



Appendix C

EDR Aerial Photo Decade Report



Former Mclouth Steel Company

1491 West Jefferson

Trenton, MI 48183

Inquiry Number: 4796465.9

December 07, 2016

The EDR Aerial Photo Decade Package



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

EDR Aerial Photo Decade Package

12/07/16

Site Name:

Former Mclouth Steel Company
1491 West Jefferson
Trenton, MI 48183
EDR Inquiry # 4796465.9

Client Name:

ECT
3399 Veterans Drive
Traverse City, MI 49684
Contact: Ryan Higuchi



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

Search Results:

<i>Year</i>	<i>Scale</i>	<i>Details</i>	<i>Source</i>
2012	1"=500'	Flight Year: 2012	USDA/NAIP
2010	1"=500'	Flight Year: 2010	USDA/NAIP
2009	1"=500'	Flight Year: 2009	USDA/NAIP
2006	1"=500'	Flight Year: 2006	USDA/NAIP
2005	1"=500'	Flight Year: 2005	USDA/NAIP
1999	1"=500'	Acquisition Date: March 28, 1999	USGS/DOQQ
1993	1"=600'	Flight Date: January 01, 1993	NAPP
1985	1"=500'	Flight Date: January 01, 1985	SEMCOG
1981	1"=600'	Flight Date: January 01, 1981	NHAP
1972	1"=600'	Flight Date: January 01, 1972	ASCS
1964	1"=500'	Flight Date: January 01, 1964	ASCS
1961	1"=500'	Flight Date: January 01, 1961	DTE
1957	1"=500'	Flight Date: January 01, 1957	CSS
1949	1"=500'	Flight Date: January 01, 1949	DTE
1940	1"=500'	Flight Date: January 01, 1940	AAA
1937	1"=500'	Flight Date: January 01, 1937	AAA

When delivered electronically by EDR, the aerial photo images included with this report are for ONE TIME USE ONLY. Further reproduction of these aerial photo images is prohibited without permission from EDR. For more information contact your EDR Account Executive.

Disclaimer - Copyright and Trademark Notice

This Report contains certain information obtained from a variety of public and other sources reasonably available to Environmental Data Resources, Inc. It cannot be concluded from this Report that coverage information for the target and surrounding properties does not exist from other sources. NO WARRANTY EXPRESSED OR IMPLIED, IS MADE WHATSOEVER IN CONNECTION WITH THIS REPORT. ENVIRONMENTAL DATA RESOURCES, INC. SPECIFICALLY DISCLAIMS THE MAKING OF ANY SUCH WARRANTIES, INCLUDING WITHOUT LIMITATION, MERCHANTABILITY OR FITNESS FOR A PARTICULAR USE OR PURPOSE. ALL RISK IS ASSUMED BY THE USER. IN NO EVENT SHALL ENVIRONMENTAL DATA RESOURCES, INC. BE LIABLE TO ANYONE, WHETHER ARISING OUT OF ERRORS OR OMISSIONS, NEGLIGENCE, ACCIDENT OR ANY OTHER CAUSE, FOR ANY LOSS OF DAMAGE, INCLUDING, WITHOUT LIMITATION, SPECIAL, INCIDENTAL, CONSEQUENTIAL, OR EXEMPLARY DAMAGES. ANY LIABILITY ON THE PART OF ENVIRONMENTAL DATA RESOURCES, INC. IS STRICTLY LIMITED TO A REFUND OF THE AMOUNT PAID FOR THIS REPORT. Purchaser accepts this Report "AS IS". Any analyses, estimates, ratings, environmental risk levels or risk codes provided in this Report are provided for illustrative purposes only, and are not intended to provide, nor should they be interpreted as providing any facts regarding, or prediction or forecast of, any environmental risk for any property. Only a Phase I Environmental Site Assessment performed by an environmental professional can provide information regarding the environmental risk for any property. Additionally, the information provided in this Report is not to be construed as legal advice.

Copyright 2016 by Environmental Data Resources, Inc. All rights reserved. Reproduction in any media or format, in whole or in part, of any report or map of Environmental Data Resources, Inc., or its affiliates, is prohibited without prior written permission.

EDR and its logos (including Sanborn and Sanborn Map) are trademarks of Environmental Data Resources, Inc. or its affiliates. All other trademarks used herein are the property of their respective owners.



INQUIRY #: 4796465.9

YEAR: 2012

— = 500'





INQUIRY #: 4796465.9

YEAR: 2012

— = 500'





INQUIRY #: 4796465.9

YEAR: 2010

— = 500'





INQUIRY #: 4796465.9

YEAR: 2010

— = 500'





INQUIRY #: 4796465.9

YEAR: 2009

— = 500'





INQUIRY #: 4796465.9

YEAR: 2009

— = 500'





INQUIRY #: 4796465.9

YEAR: 2006

— = 500'





INQUIRY #: 4796465.9

YEAR: 2006

— = 500'





INQUIRY #: 4796465.9

YEAR: 2005

— = 500'





INQUIRY #: 4796465.9

YEAR: 2005

— = 500'





INQUIRY #: 4796465.9

YEAR: 1999

— = 500'





INQUIRY #: 4796465.9

YEAR: 1999

— = 500'





INQUIRY #: 4796465.9

YEAR: 1993

— = 600'





INQUIRY #: 4796465.9

YEAR: 1985

— = 500'





INQUIRY #: 4796465.9

YEAR: 1981

— = 600'





INQUIRY #: 4796465.9

YEAR: 1972

— = 600'





INQUIRY #: 4796465.9

YEAR: 1964

— = 500'



FM-29-4



INQUIRY #: 4796465.9

YEAR: 1961

1" = 500'





INQUIRY #: 4796465.9

YEAR: 1957

— = 500'



HA-18-16



INQUIRY #: 4796465.9

YEAR: 1949

— = 500'



AAA-1:20000-XU-2A-152



INQUIRY #: 4796465.9

YEAR: 1940

— = 500'



XU-17-1722

CONFIDENTIAL

6

7

Detroit

INQUIRY #: 4796465.9

YEAR: 1937

— = 500'



Appendix D

EDR City Directory Image Report

Former Mclouth Steel Company

1491 West Jefferson
Trenton, MI 48183

Inquiry Number: 4796465.5
December 07, 2016

The EDR-City Directory Image Report

TABLE OF CONTENTS

SECTION

Executive Summary

Findings

City Directory Images

Thank you for your business.

Please contact EDR at 1-800-352-0050
with any questions or comments.

Disclaimer - Copyright and Trademark Notice

This Report contains certain information obtained from a variety of public and other sources reasonably available to Environmental Data Resources, Inc. It cannot be concluded from this Report that coverage information for the target and surrounding properties does not exist from other sources. **NO WARRANTY EXPRESSED OR IMPLIED, IS MADE WHATSOEVER IN CONNECTION WITH THIS REPORT. ENVIRONMENTAL DATA RESOURCES, INC. SPECIFICALLY DISCLAIMS THE MAKING OF ANY SUCH WARRANTIES, INCLUDING WITHOUT LIMITATION, MERCHANTABILITY OR FITNESS FOR A PARTICULAR USE OR PURPOSE. ALL RISK IS ASSUMED BY THE USER. IN NO EVENT SHALL ENVIRONMENTAL DATA RESOURCES, INC. BE LIABLE TO ANYONE, WHETHER ARISING OUT OF ERRORS OR OMISSIONS, NEGLIGENCE, ACCIDENT OR ANY OTHER CAUSE, FOR ANY LOSS OR DAMAGE, INCLUDING, WITHOUT LIMITATION, SPECIAL, INCIDENTAL, CONSEQUENTIAL, OR EXEMPLARY DAMAGES. ANY LIABILITY ON THE PART OF ENVIRONMENTAL DATA RESOURCES, INC. IS STRICTLY LIMITED TO A REFUND OF THE AMOUNT PAID FOR THIS REPORT.** Purchaser accepts this Report "AS IS". Any analyses, estimates, ratings, environmental risk levels or risk codes provided in this Report are provided for illustrative purposes only, and are not intended to provide, nor should they be interpreted as providing any facts regarding, or prediction or forecast of, any environmental risk for any property. Only a Phase I Environmental Site Assessment performed by an environmental professional can provide information regarding the environmental risk for any property. Additionally, the information provided in this Report is not to be construed as legal advice.

Copyright 2016 by Environmental Data Resources, Inc. All rights reserved. Reproduction in any media or format, in whole or in part, of any report or map of Environmental Data Resources, Inc. or its affiliates is prohibited without prior written permission.

EDR and its logos (including Sanborn and Sanborn Map) are trademarks of Environmental Data Resources, Inc. or its affiliates. All other trademarks used herein are the property of their respective owners.

EXECUTIVE SUMMARY

DESCRIPTION

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

RESEARCH SUMMARY

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

<u>Year</u>	<u>Target Street</u>	<u>Cross Street</u>	<u>Source</u>
2013	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Cole Information Services
2008	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Cole Information Services
2003	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Cole Information Services
1999	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Cole Information Services
1995	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Cole Information Services
1992	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Cole Information Services
1987	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Bresser's Cross-Index Directory Company
1982	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Bresser's Cross-Index Directory Company
1977	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Bresser's Cross-Index Directory Company
1973	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Bresser's Cross-Index Directory Company

RECORD SOURCES

EDR is licensed to reproduce certain City Directory works by the copyright holders of those works. The purchaser of this EDR City Directory Report may include it in report(s) delivered to a customer. Reproduction of City Directories without permission of the publisher or licensed vendor may be a violation of copyright.

FINDINGS

TARGET PROPERTY STREET

1491 West Jefferson
Trenton, MI 48183

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

W JEFFERSON AVE

2013	pg A1	Cole Information Services
2008	pg A2	Cole Information Services
2003	pg A3	Cole Information Services
1999	pg A4	Cole Information Services
1995	pg A5	Cole Information Services
1992	pg A6	Cole Information Services
1987	pg A7	Bresser's Cross-Index Directory Company
1982	pg A8	Bresser's Cross-Index Directory Company
1977	pg A9	Bresser's Cross-Index Directory Company
1973	pg A10	Bresser's Cross-Index Directory Company

FINDINGS

CROSS STREETS

No Cross Streets Identified

City Directory Images

W JEFFERSON AVE 2013

280	PULLMAN
	STRUCTURAL PRESERVATION SYSTEMS
344	JIMS GARAGE
348	MYERS TRANSPORTATION SOLUTIONS LLC
	TRENTON RENTAL CENTER
410	KM & M CEMENT COMPANY
462	TRENTON AUTO PARTS
650	SEAWAY MECHANICAL CONTRACTORS INC
880	HIGHLITE PRINTERS CO
916	SIBLEY GARDENS
1650	FRITZ ENTERPRISES
1844	RICHARD KNAF
1898	RICHARD MORUZZI
1900	BRIAN STEIN
1915	JIM BELLMORE
1917	OCCUPANT UNKNOWN
1920	ROBERT SKURAS
1925	L HULL
1936	NORMAN KOZMA
1956	ANNA FERRANTE
2003	CHRISTINA MILLER
2006	JOHN REIDY
2013	WILLIAM DEARMOND
2014	DANIEL HIGDON
2024	CHRISTOPHER POTAS
2036	SHARON HUBERT
2044	RONALD BALL

W JEFFERSON AVE 2008

250	ARKAY PERSONNEL
266	DI PONIO CONSTRUCTION CO INC
280	STRUCTURAL GROUP INC
344	JIMS GARAGE
348	ROWES GREENVIEW LAWN CARE
	TRENTON RENTAL CENTER
414	DANA SKEENS
462	TRENTON AUTO PARTS
650	SEA WAY MECHANICAL CONTRACTORS
880	HIGHLITE PRINTERS INC
916	SIBLEY GARDENS
1491	DETROIT STEEL CO LLC
	DSC LTD
	TRENTON MARINE TERMINAL
1650	FRITZ ACQUISITION CO LLC
	FRITZ ENTERPRISES INC
	HVF RECOVERIES LLC
1844	JAMES KNAF
1898	RICHARD MORUZZI
1900	BRIAN STEIN
1920	CLARE JAGENOW
1925	L HULL
1936	NORMAN KOZMA
1956	TONY FERRANTE
2003	COOK STOP MANOR
	KRISHELLE KOHLER
2006	TIMOTHY REIDY
2013	LISA WOOTEN
2014	JOHN ZELASKO
2024	JENNIFER GAMBLE
2036	SHARON HUBERT
2044	RONALD BALL
2052	GARY GOULD

W JEFFERSON AVE 2003

250	ARC DOWNRIVER DAY PROGRAM
280	STRUCTURAL PRESERVATION SYSTM
344	JIMS GARAGE
410	KM & M CEMENT CO
414	DANA SKEENS
440	BRUCE CHAPIN
	PULSAR ELECTRONICS INC
462	TRENTON AUTO PARTS
650	SEAWAY MECHANICAL CONTRACTORS
830	HAVEN J D & SON
880	BETHANY PUTNICK
916	SIBLEY GARDENS
1491	DSC LIMITED
1650	ERNEST MANDEVILLE
	FRITZ ENTERPRISES INC
	FRITZ PRODUCTS INC
1844	JAMES KNAF
1898	RICHARD MORUZZI
1900	LESLIE STEIN
1915	JAMES BELLMORE
1917	ROBERT BRULEY
1920	GEORGE FULMER
1925	L HULL
1936	NORMAN KOZMA
1956	ANNA FERRANTE
2006	LORRAINE REIDY
2013	DON SUGGS
2014	JACK BASINGER
2024	DEBORAH PAPALIA
2036	SHARON HUBERT
2044	RONALD BALL
2052	VIOLET GOULD

W JEFFERSON AVE 1999

250	A R C DOWNRIVER DAY PROGRAM
274	FIT RITE CANVAS
280	STRUCTURAL PRESERVATION SYSTEMS
344	JIMS GARAGE
348	VANGUARD LABS
350	DI PONIO CONSTRUCTION COMPANY INCORPORATED
410	K M & M CEMENT COMPANY
440	PULSAR ELECTRONICS INCORPORATED
462	TRENTON AUTO PARTS PARTS & SUPPLIES RADIATORS & B
730	SEAWAY MECHANICAL CONTRACTORS INCORPORATED
880	HIGHLITE PRINTERS COMPANY
916	SIBLEY GARDENS
1491	D S C LIMITED
	MCLOUTH STEELPRODUCTS CORPORATION TRENTON PLANT
	NATIONAL INDUSTRIAL MAINTENANCE INCORPORATED
	NEW CENTER STAMPING
	S & M CARTAGE INCORPORATED
1844	ROBERT KNAF
1900	LESLIE STEIN
	RESTONICS COMPANY INCORPORATED
1915	JAMES BELLMORE
1917	ROBERT BRULEY
1920	GEORGE FULMER
1925	L HULL
1936	MARY KOZMA
1956	TONY FERRANTE
2006	JOHN REIDY
2013	NICOLE MONTHEI
2024	BOBBY NEWSOME
	JOHN WARD
	L LYNN
	LORI SIMPSON
	RUSSELL BEHM
2036	SHARON HUBERT
2044	RONALD BALL
2052	CHARLES GOULD

W JEFFERSON AVE 1995

274	FIT RITE CANVAS
280	SCS GROUP
344	JIMS GARAGE INC
348	CAREER PLACEMENT SVC
350	DIPONIO CONSTRUCTION CO
410	K M & M CEMENT CO
	KM&M CEMENT CO
414	BAGAEFF, PAUL
	NEWSOME, BOBBY
440	PULSAR ELECTRONICS INC
	SATELLITE SPECIALTIES INC
462	TRENTON AUTO PARTS
764	SEAWAY MECHANICAL CONTRACTORS
880	HIGHLITE PRINTERS CO
916	SIBLEY GARDENS
1491	K & D INDUSTRIAL SVC
	S & M CARTAGE INC
1650	MC LOUTH STEEL PRODUCTS
1844	KNAF, MARVIN L
1915	BELLMORE, JAMES
1917	BRULEY, ROBERT
1920	FULMER, GEORGE H
1936	KOZMA, MARY
1956	FERRANTE, TONY
2003	MILES, DENNIS
2006	REIDY, JOHN P
2013	CARLSON, CARL H
2014	DITORO, L
2024	KWALTON, NOELLE
	MCGINNIS, MARIE
	WOODS, RANDY W
2036	OCCUPANT UNKNOWNN
2044	BALL, RONALD
2052	GOULD, CHARLES P
2055	DR EUGENE TIMMONS
	OCCUPANT UNKNOWNN

W JEFFERSON AVE 1992

274	FIT-RITE CANVAS
280	AMER INDSTRL SVC
	J G GRAVEL ATY
344	JIMS GARAGE
348	CAREER PLACEMENT
350	DIPONIO CONSTR
410	GYC
	HELPING HANDS QUAL
	KM&M CEMENT CO
414	HEAVEN SENT MAID&J
	PHOENIX INTRNTL BR
	SPEC HLT CARE
440	PULSAR ELECTRONICS
	SATELLITE SPCLTS
462	TRENTON AUTO PARTS
764	SEAWAY MCH CONTRCT
880	HIGHLITE PRINTERS
916	SIBLEY GARDENS
1242	THOMPSON, JOHN
1491	CASEY EQUIPMNT CORP
	K&D INDSTRL SRV
	MCLOUTH STEEL PROD
	NATL INDSTRL MTNC
	S&M CARTAGE INC
	SONGER CNSTRCTN CO
1844	KNAF, MARVIN L
1920	FULMER, GEORGE H
1936	KOZMA, WILLIAM
1956	FERRANTE, TONY
2006	REIDY, JOHN P
2014	DITORO, L
2036	LURA, M
2052	GOULD, CHARLES P
2055	DR EUGENE TIMMONS

W JEFFERSON AVE 1987

JEFFERSON W		48183
•• 1- 2799 T 5940	\$D••G 6	
•• 2800- 5999 T 5944	\$C••H 6	
1*MICH FONDTN CO	2829100	
*MICH FNDTN QUARRY	2829100	
30 124 NP		
138 JOSEPH KUCKO SR	2850576	
158 NP		
164 HELEN E CUDDY	2825764	
178 188 196 200 NP		
204 206 214 NP		
220 CARMEN DALESSANDRO	2853382	
228 236 NP		
242 L DUFFINER	4 2820354	
250 NP		
260 RONI NAAMO	3 2829286	
266 268 274 280 NP		
286 306 314 328 NP		
344*JIMS GARAGE	□2840886	
348*CAREER PLACEMENT	□2810931	
410*FILTER QUEEN PRODT	□2846666	
*K&M CEMENT CO	□2814141	
414*GEORGE ADKINS	□2817830	
*R L BRIGGS&SONS	□2816740	
*MAJESTIC MCHNE COR	□2841415	
*MASTER CLEAN SERVC	□2813636	
*MICH NRTHN RLTY	□2814848	
*QUADRANT CONSTRCTN	-2817830	
422 430 NP		
440*PULSAR ELECTRONICS	2812200	
*SATELLITE SPCLTS	2827272	
462*TRENTON AUTO PARTS	2830303	
650*SEAWAY MECH CNTRCT	2828300	
880*HIGHLITE PRINTERS	2848944	
916*SIBLEY GARDENS	2851707	
1491*HALL ENGINEERING	□2831980	
*M&S INCCORPORATED	□2855114	
*MC LOUTH STEEL CRP	2851200	
*NATIONAL POWER RD	-2822300	
*SERSTEL CORP	□2829867	
*SURFACE COMBUSTION	□2844680	
1650*MC LOUTH STEEL CRP	□6716326	
1737 NP		
1844 MARVIN L KNAF	6764079	
1898 1900 NP		
1915 TROLA COPPOCK	6764256	
1917 J E PELKEY	8 6754236	
1920 GEORGE H FULMER	6769713	
1925 NP		
1936 WILLIAM KOZMA	6760136	
1956 TONY FERRANTE	6762675	
2003 NP		
2006 JOHN PATRICK REIDY4	6763290	
2013 NP		
2014 LIDBEROTO DITORO	6765513	
2024 H O EWING JR	6764661	
MARC MANN	0 6767912	
2036 M LURA	□6765949	
2044 RONALD BALL	-6718487	
2052 CHARLES P GOULD	6750889	
2055*DR C S GUERNSEY	6760020	
*DR CARL NAGY	6760020	
*DR ROBERT B SAUTER	6760020	
*DR HARRY I SIMMONS	6751530	
*DR EUGENE TIMMONS	6750610	
2128*DR DAVID W LAW	□6764040	
2129 2137 2141 2153 NP		
2156*WAUGH EYE CLINIC	6757330	
*DR W W WAUGH	6757330	
2171*VICKI ANTON-ATHENS	□6768484	

W JEFFERSON AVE 1982

JEFFERSON W		48183
...	1- 2799 T	81506 \$D..I 8
...	2800- 5999 T	81501 \$C..J 8
1*	30	NP
110*	MICH FNDTN CO INC	2829100
	*MICH FOUNDATN QRRY	2829100
124		NP
138	JOSEPH KUCKO SR	2850576
158	ANGELO DOLCE	2848617
164	HELEN E CUDDY	2 2825764
178	PEGGY S PERRY	-2836907
188	196 200 204	NP
206		NP
214	P J PERRY	-2846343
220	CARMEN DALESSANDRO	2853382
228	236	NP
242	M SMITH	0 2822605
250		NP
260	ROBERT D CARROLL	7 2829286
266	268 274 280	NP
286	306 314 328	NP
410*	DOWNRIVER BAR SUPP	2823410
414	TIM HOOVER	2820652
	MARY LOU KOCH	2811652
	P SANDS	2821599
422	430	NP
440*	PLASTICS COMMUNCTS	2812200
	*PULSAR ELECTRONICS	-2812200
462*	TRENTON AUTO PARTS	2830303
650*	SEAWAY MECHCL CNTR	2828300
701*		NP
710*	EDWARD KRAEMER&SON	-4792282
730*	LUCIDIS LOUNGE	2846464
830*	SIBLEY INDSTR L SRV	2827860
880*	HIGHLITE PRINTERS	2848944
	*PRINT-FAST	2848944
916*	SIBLEY GARDENS	2851707
1060*		NP
1491*	MC LOUTH STEEL CRP	2851200
1494*		NP
1601*	EDWARD C LEVY CO	6756626
1737		NP
1844	MARVIN L KNAF	6764079
1898	1900	NP
1915	TROLA COPPOCK	6764256
1917	J E PELKEY	8 6754236
1920	GEORGE H FULMER	6769713
1925		NP
1936	WILLIAM KOZMA	6760136
1956	TONY FERRANTE	6762675
2003	2006 2013	NP
2014	LIDBEROTO DITORO	6765513
2024	H O EWING JR	6764661
	MARC MANN	0 6767912
2036		NP
2044	JAMES CROOKS	0 6715769
2052	CHARLES P GOULD	6750889
2055*	DR C S GUERNSEY	6760020
	*DR CARL NAGY	6760020
	*DR DAVID E ROSS	6760020
	*DR ROBERT B SAUTER	6760020
	*DR HARRY I SIMMONS	6751530
	*DR EUGENE TIMMONS	6750610
	*DR GERALD T WHITE	6760020
2100*	LAKEVW CANVAS PRDT	6751760
	*MAR-LES AUTO SERV	6718685
	*SIBLEY TOOLS	-6766570
2128	BEVA B ANDERSON	7 6750055

W JEFFERSON AVE 1977

JEFFERSON W		48183
...	1- 2799 T	81506 \$D..I 8
...	2800- 5999 T	81501 \$C..J 8
1*	NP	
28*	TERRYS SPOKES&SPRS	#2838877
30	ANDREW CAUGHRAN JR3	2839188
110*	JOHN W FOLEY JR	AV29100
	*MICH FNDTN CO INC	AV29100
	*MICH FOUNDATN GRRY	AV29100
124	DAVID BENTLEY	#2837988
138	JOSEPH KUCKO SR	0 2850576
158	ANGELO DOLCE	AV48617
164	HELEN E CUDDY	2 AV25764
	HATTIE A DORRIS	2854495
178	LINDA PERRY	#2835835
188		NP
196	LUCY VIOLA	#2837361
200		NP
204	DANIEL MCCURRY	#2826769
206		NP
214		NP
220	CARMEN DALESSANDRO1	2853382
228		NP
236		NP
242	WILLIAM SMITH	-2833126
250	FRED M ANKNEY	AV22015
260	PETER BRNOVICH	0 2829286
266		NP
268		NP
274	WALTER R HOLLINS	5 2839035
280		NP
286	FRANCES ANKNEY	9 2856921
306	VICKI SHAVKEY	#2822130
314	RICHARD PIERSON	8 2830104
328		NP
410*	LUCIDIS BAR&JNTRL	-2839550
414*	SIBLEY ANCHOR&TOOL	#2838350
422	VINCENT PEDICA	AV49876
430	CALVIN E LONGTON	5 2851260
436*	TRENTON CATERING	AV52033
440		NP
462*	TRENTON AUTO PARTS	2830303
650*	SEAWAY MECHCL CNTR	AV28300
701*		NP
710*		NP
730*	LUCIDIS LOUNGE	#2846464
830*	SIBLEY INDSTRl SRV	AV27860
880*	HIGHLITE PRINTERS	AV48944
	*PRINT-FAST	AV48944
916*	SIBLEY GARDENS	AV51707
1060*		NP
1491*	ANDCO INC	2858942
	*J A FREDMAN	#2853560
	*MC LOUTH STEEL CRP	AV51200
1494*		NP
1601*	EDWARD C LEVY CO	6756626
1737		NP
1844	MARVIN L KNAF	6764079
1898		NP
1900		NP
1915	TROLA COPPOCK	0 6764256
1917	JOSEPH J DEMICK	4 6754881
1920	GEORGE H FULMER	7 6769713
1925		NP
1936	WILLIAM KOZMA	6760136
1956	TONY FERRANTE	0 6762675
2003		NP
2006	WILLIAM C JAISSE	OR60546
2013		NP
2014	LIDBEROTO DITORO	8 6765513
2024	H O EWING JR	OR64661
2036		NP
2044	M A CHAMBERLIN	1 6751449
2052	CHARLES P GOULD	7 6750889
2055*	DR JAS J FRANKLIN	OR60020
	*DR CARL NAGY	OR60020
	*DR ROBERT B SAUTER	OR60020
	*DR HARRY I SIMMONS	6751530
	*DR EUGENE TIMMONS	6750610
	*DR GERALD T WHITE	OR60020
2100*	CYCLE SPECIALTIES	#6751751
	*LAKEVW CANVAS PRDT	6751760
	*SYCLE SPECIALTIES	6751751
2128		NP
2129	WILLIAM H GILBERT	-6769855
	HAROLD A MOORE	1 6755634
	G P SARGENT	#6768552
2137	ANN MCINTYRE	OR61092
2141		NP
2153	JAMES R THOMAS	5 6756478
2156	JOHN W FOLEY JR	6769329
2172	D PERRY	#6756694
2217	HARVEY J LA BEAU	6767741
2218		NP
2220	AUGUST F WESTPHAL	OR69454
2225*	TRENTON PARTY STRE	OR63660
2230		NP
2238	ROLAND C BURBO	6764746
2242*	BUHL AGENCY INC	OR60100
	*A DUFRESNE ATTY	6762611

W JEFFERSON AVE 1973

JEFFERSON W		48183
...	1- 2799 T	81506 \$D..I 8
...	2800- 5999 T	81501 \$C..J 8
1*	NP	
28	RICHARD L HOPE	2858299
	*GEORGES BARGR SHOP	2850466
30	ANDREW CAUGHRAN JR	2825391
110*	JOHN W FOLEY JR	AV29100
	*MICH FNDTN CO INC	AV29100
	*MICH FOUNDATN QRRY	AV29100
124	NP	
138	JOSEPH KUCKO SR	0 2850576
158	ANGELO DOLCE	AV48617
164	HELEN E CUDDY	2 AV25764
	HATTIE A DORRIS	5 2854495
178	NP	
188	NP	
196	DAVID M MAXWELL	-2849530
200	NP	
204	NP	
206	NP	
214	NP	
220	CARMEN DALESSANDRO	1 AV53382
228	NP	
236	NP	
242	FRANK DUFFNER	2831447
250	FRED M ANKNEY	AV22015
260	PETER BRNOVICH	0 2829286
268	B YOUNT	2845246
274	NP	
280	JUDITH A BICKFORD	2836844
286	B M BREWER	7 2847402
	CLARENCE MULKEY	1 2834903
	FRANCES ANKNEY	9 2856921
300*	MCM CERAMICS&ARTS	-2856531
	*XEMPLAR CO	2856622
306	MELVIN GRESHAM	2843206
314	JAMES E BENTLEY	2857636
	RICHARD PIERSON	8 2830104
328	JAMES E WHITCHER	2835614
410*	POTTER FURN&HDWE	2841313
	O L POTTER	2841313
	*O L POTTER PEST CT	2841313
	*O L POTTER SPLY CO	2841313
414	NP	
422	VINCENT PEDICA	6 AV49876
430	EMMETT HICKS	2 2851260
436*	TRENTON CATERING	AV52033
440	NP	
462*	TRENTON AUTO PARTS	2830303
650*	SEAWAY MECHCL CNTR	AV28300
701*	NP	
710*	NP	
830*	SIBLEY INDSTRL SRV	AV27860
880*	PRINT-FAST	AV48944
	*HIGHLITE PRINTERS	AV48944
916*	SIBLEY GARDENS	AV51707
1060*	NP	
1491*	HALL ENGINEERING	2820156
	*MC LOUTH STEEL CRP	AV51200
1494*	NP	
1601*	EDWARD C LEVY CO	6756626
1737	ESTHER FARMHOUSE	6767538
1844	MARVIN L KNAF	6764079
1898	NP	
1900	MARY PIUNTI	6 6762058
1915	TROLA COPPOCK	0 6764256
1917	NP	
1920	GEORGE H FULMER	7 6769713
1925	NP	
1936	WILLIAM KOZMA	OR60136
1956	TONY FERRANTE	0 6762675
2003	NP	
2006	WILLIAM C JAISSE	OR60546
2013	NP	
2014	LIDBEROTO DITORO	8 6765513
2024	H O EWING JR	OR64661
2036	NP	
2044	M A CHAMBERLIN	1 6751449
2052	CHARLES P GOULD	7 6750889
2055*	DR JAS J FRANKLIN	OR60020
	*DR EUGENE TIMMONS	6750610
	*DR HARRY I SIMMONS	6751530
	*DR GERALD T WHITE	OR60020
	*DR M YURKANIN	6752640
	*DR CARL NAGY	OR60020
	*DR ROBERT B SAUTER	OR60020
2100*	GORNO BORTHERS INC	6761350
2128	NP	
2129	J WOODY	-6762545
	GEORGE P SARGENT	-6768415
	THELMA BROWN	7 6762812
	HAROLD A MOORE	1 6755634
2137	ANN MCINTYRE	OR61092
2141	NP	
2153	NP	
2156	JOHN W FOLEY JR	6769329
2172	WAYNE A BENNETT	0 6753678

Appendix E

Sanborn Map Report



Former Mclouth Steel Company

1491 West Jefferson

Trenton, MI 48183

Inquiry Number: 4796465.3

December 04, 2016

Certified Sanborn® Map Report



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

Certified Sanborn® Map Report

12/04/16

Site Name:

Former McLouth Steel Company
1491 West Jefferson
Trenton, MI 48183
EDR Inquiry # 4796465.3

Client Name:

ECT
3399 Veterans Drive
Traverse City, MI 49684
Contact: Ryan Higuchi



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

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

Certified Sanborn Results:

Certification # 7D6B-4C8A-B479
PO # 160009-0300
Project Former McLouth Steel Phyto

UNMAPPED PROPERTY

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



Sanborn® Library search results

Certification #: 7D6B-4C8A-B479

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

- ☒ Library of Congress
- ☒ University Publications of America
- ☒ EDR Private Collection

The Sanborn Library LLC Since 1866™

Limited Permission To Make Copies

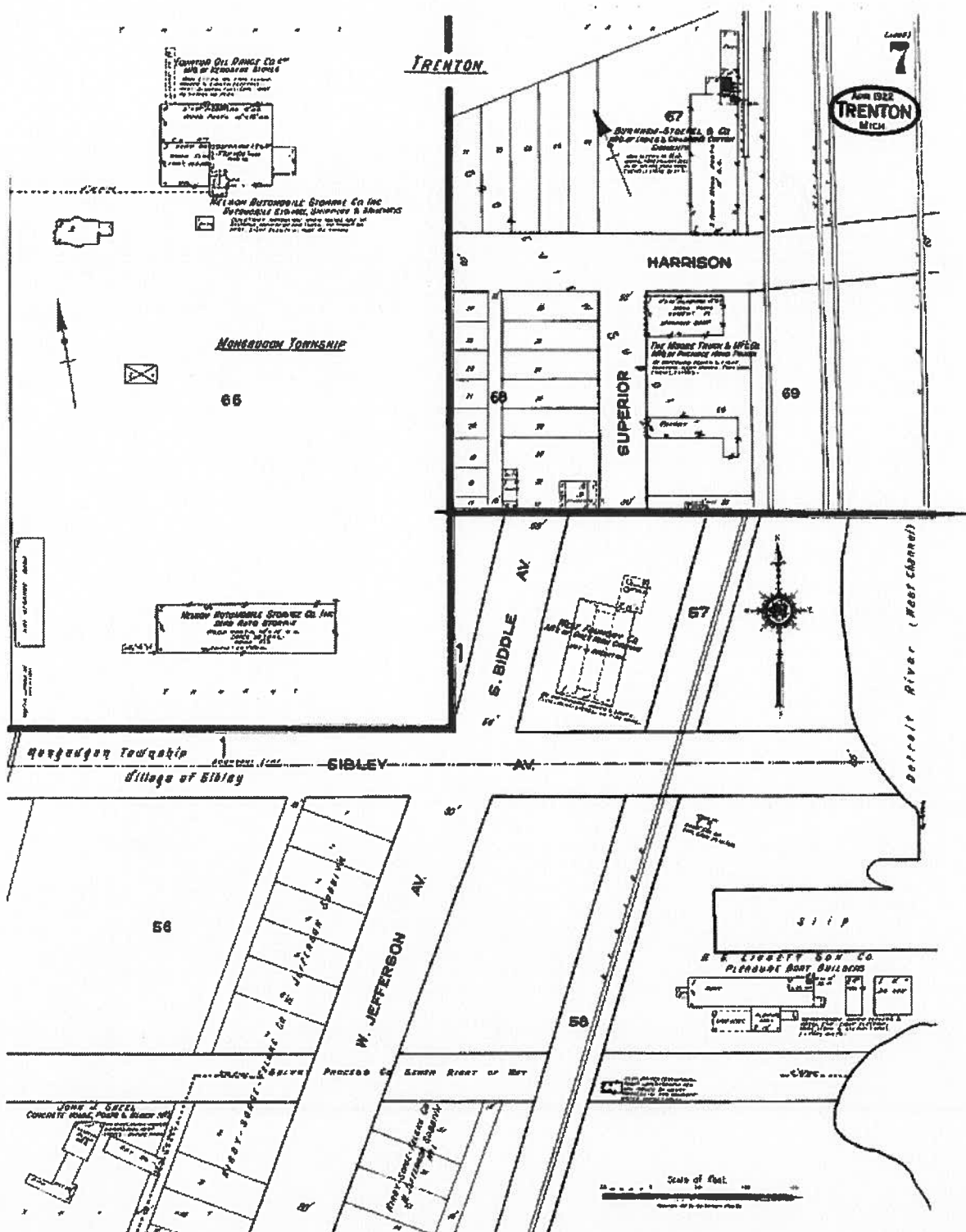
ECT (the client) is permitted to make up to FIVE photocopies of this Sanborn Map transmittal and each fire insurance map accompanying this report solely for the limited use of its customer. No one other than the client is authorized to make copies. Upon request made directly to an EDR Account Executive, the client may be permitted to make a limited number of additional photocopies. This permission is conditioned upon compliance by the client, its customer and their agents with EDR's copyright policy; a copy of which is available upon request.

Disclaimer - Copyright and Trademark Notice

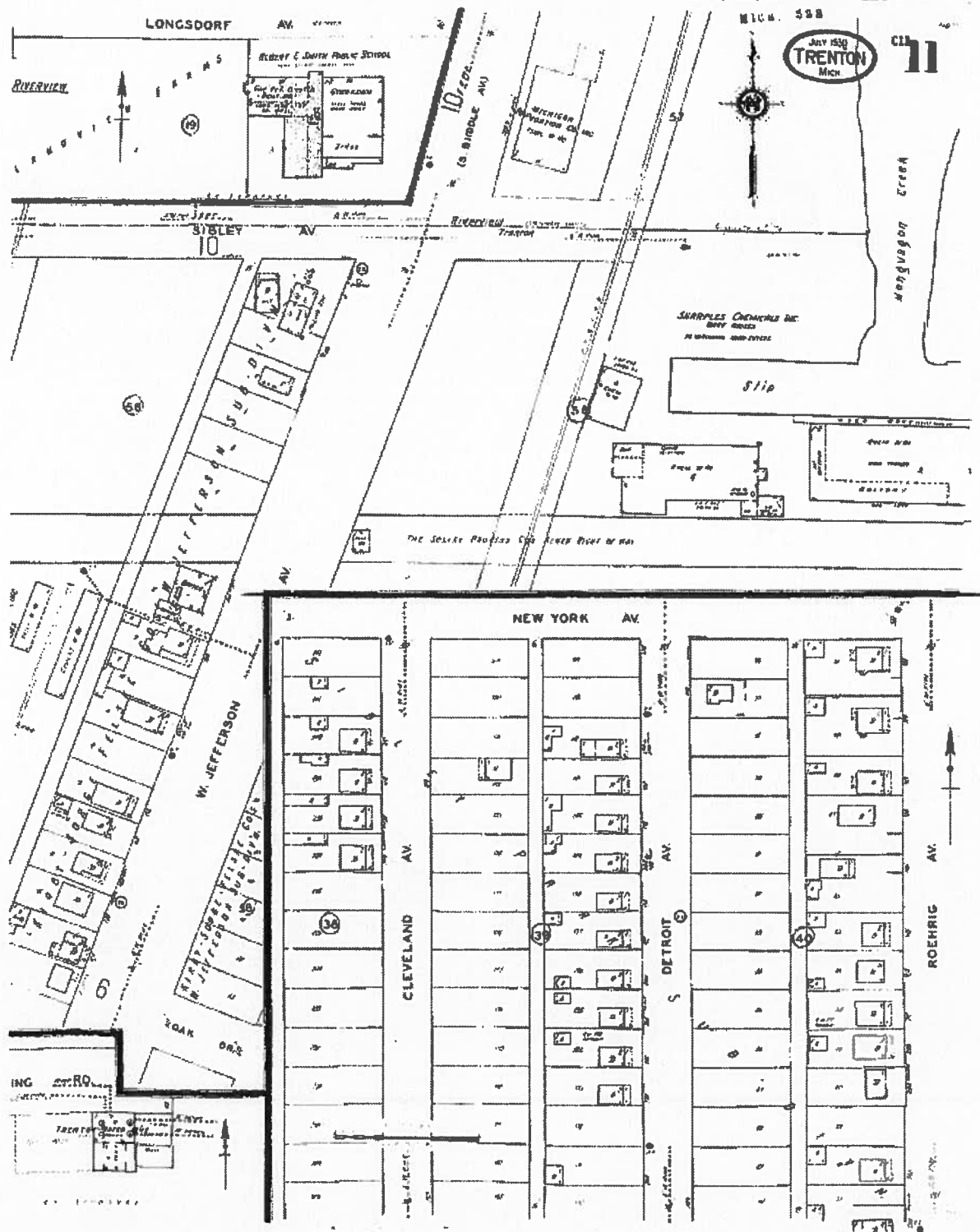
This Report contains certain information obtained from a variety of public and other sources reasonably available to Environmental Data Resources, Inc. It cannot be concluded from this Report that coverage information for the target and surrounding properties does not exist from other sources. NO WARRANTY EXPRESSED OR IMPLIED, IS MADE WHATSOEVER IN CONNECTION WITH THIS REPORT. ENVIRONMENTAL DATA RESOURCES, INC. SPECIFICALLY DISCLAIMS THE MAKING OF ANY SUCH WARRANTIES, INCLUDING WITHOUT LIMITATION, MERCHANTABILITY OR FITNESS FOR A PARTICULAR USE OR PURPOSE. ALL RISK IS ASSUMED BY THE USER. IN NO EVENT SHALL ENVIRONMENTAL DATA RESOURCES, INC. BE LIABLE TO ANYONE, WHETHER ARISING OUT OF ERRORS OR OMISSIONS, NEGLIGENCE, ACCIDENT OR ANY OTHER CAUSE, FOR ANY LOSS OF DAMAGE, INCLUDING, WITHOUT LIMITATION, SPECIAL, INCIDENTAL, CONSEQUENTIAL, OR EXEMPLARY DAMAGES. ANY LIABILITY ON THE PART OF ENVIRONMENTAL DATA RESOURCES, INC. IS STRICTLY LIMITED TO A REFUND OF THE AMOUNT PAID FOR THIS REPORT. Purchaser accepts this Report "AS IS". Any analyses, estimates, ratings, environmental risk levels or risk codes provided in this Report are provided for illustrative purposes only, and are not intended to provide, nor should they be interpreted as providing any facts regarding, or prediction or forecast of, any environmental risk for any property. Only a Phase I Environmental Site Assessment performed by an environmental professional can provide information regarding the environmental risk for any property. Additionally, the information provided in this Report is not to be construed as legal advice.

Copyright 2016 by Environmental Data Resources, Inc. All rights reserved. Reproduction in any media or format, in whole or in part, of any report or map of Environmental Data Resources, Inc., or its affiliates, is prohibited without prior written permission.

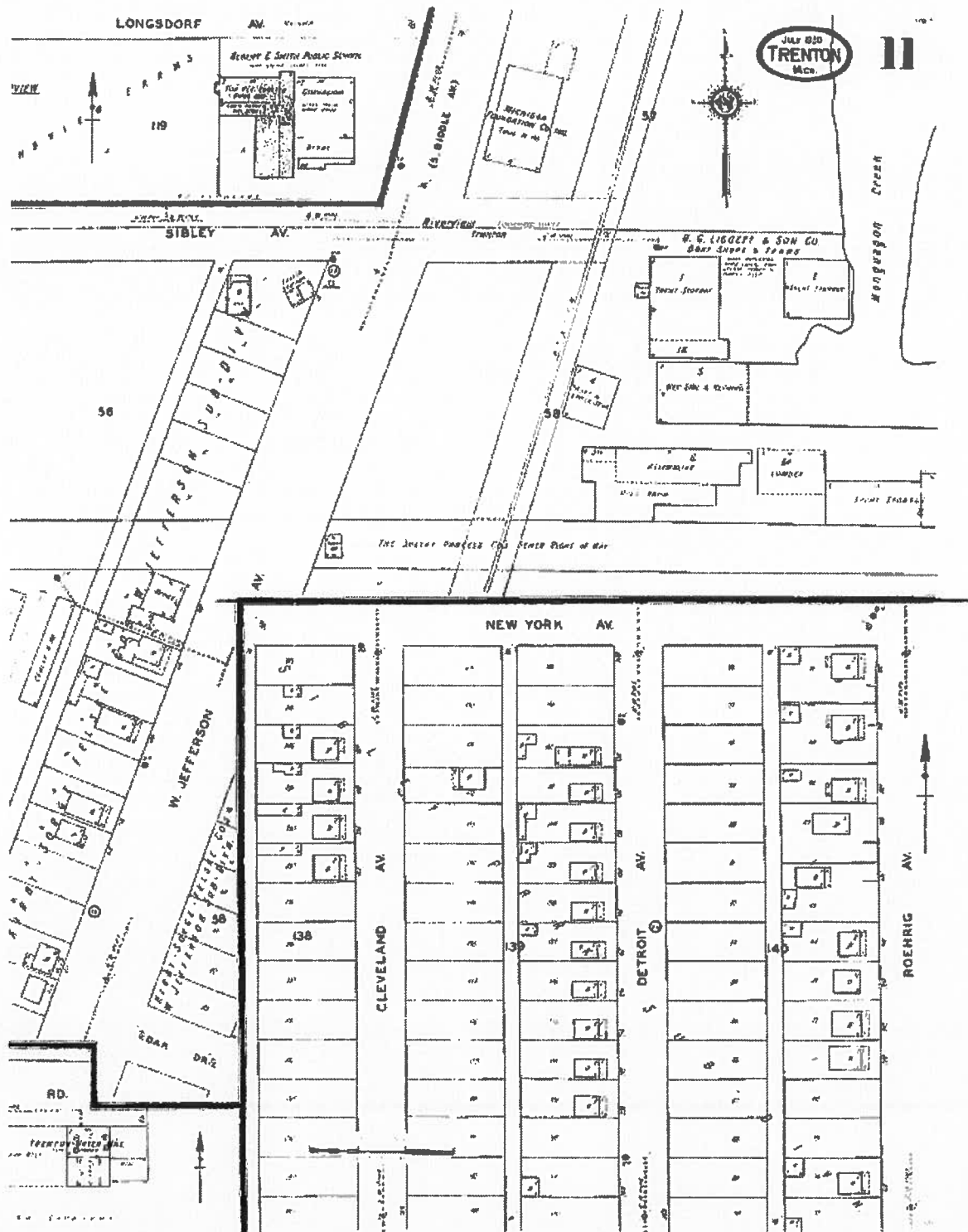
EDR and its logos (including Sanborn and Sanborn Map) are trademarks of Environmental Data Resources, Inc. or its affiliates. All other trademarks used herein are the property of their respective owners.



JULY 1930
FILED UNDER JULY 1930-MAY 1941



JULY 1930



Appendix F

Photo Log


Client Name: City of Trenton		Site Location: 1491 W. Jefferson Avenue, Trenton, MI 48183	Project No. 170443-0100
Photo No. 1	Date: 7/17/17		
Direction Photo Taken: North			
Description: Area 1 6,000-gallon above ground storage tank, liquid bleach south of River Pump House.			

Photo No. 2	Date: 7/17/17	
Direction Photo Taken: East		
Description: Area 1 Empty kerosene can south of the River Pump House.		

Client Name: City of Trenton		Site Location: 1491 W. Jefferson Avenue, Trenton, MI 48183	Project No. 170443-0100
Photo No. 3	Date: 7/17/17		
Direction Photo Taken: West			
Description: Area 1 55-gallon drum inside the River Pump House.			

Photo No. 4	Date: 7/17/17	
Direction Photo Taken: East		
Description: Area 1 A used oil drum, west of the River Pump House.		

Client Name: City of Trenton		Site Location: 1491 W. Jefferson Avenue, Trenton, MI 48183	Project No. 170443-0100
Photo No. 5	Date: 7/17/17		
Direction Photo Taken: East			
Description: Area 1 Inside River Pump House.			

Photo No. 6	Date: 7/17/17	
Direction Photo Taken: West		
Description: Area 1 Unknown ground access.		


Client Name: City of Trenton		Site Location: 1491 W. Jefferson Avenue, Trenton, MI 48183	Project No. 170443-0100
Photo No. 7	Date: 7/17/17		
Direction Photo Taken: N/A			
Description: Area 1 Unknown tank near clarifier at CWWTP.			

Photo No. 8	Date: 7/17/17	
Direction Photo Taken: West		
Description: Area 1 Staining near clarifier.		


Client Name: City of Trenton		Site Location: 1491 W. Jefferson Avenue, Trenton, MI 48183	Project No. 170443-0100
Photo No. 9	Date: 7/17/17		
Direction Photo Taken: West			
Description: Area 1 Unknown tank and acid containers.			

Photo No. 10	Date: 7/17/17	
Direction Photo Taken: West		
Description: Area 1 Clarifier transfer valve pit.		

Client Name: City of Trenton		Site Location: 1491 W. Jefferson Avenue, Trenton, MI 48183	Project No. 170443-0100
Photo No. 11	Date: 7/17/17		
Direction Photo Taken: East			
Description: Area 1 Outside piping extending from small building to north of clarifier.			

Photo No. 12	Date: 7/17/17	
Direction Photo Taken: West		
Description: Area 1 CWWTP office building.		

Client Name: City of Trenton		Site Location: 1491 W. Jefferson Avenue, Trenton, MI 48183	Project No. 170443-0100
Photo No. 13	Date: 7/17/17		
Direction Photo Taken: West			
Description: Area 1 Used oil steel AST			

Photo No. 14	Date: 7/17/17	
Direction Photo Taken: East		
Description: Area 1 Former grit chamber area/building with oily liquid and dead birds.		

Client Name: City of Trenton		Site Location: 1491 W. Jefferson Avenue, Trenton, MI 48183	Project No. 170443-0100
Photo No. 15	Date: 7/17/17		
Direction Photo Taken: North			
Description: Area 1 Unknown tank, north of the grit chamber.			

Photo No. 16	Date: 7/17/17	
Direction Photo Taken: South		
Description: Area 1 Acid tank west of grit chamber.		


Client Name: City of Trenton		Site Location: 1491 W. Jefferson Avenue, Trenton, MI 48183	Project No. 170443-0100
Photo No. 17	Date: 7/17/17		
Direction Photo Taken: West			
Description: Area 1 Former sludge pit with overgrown vegetation.			

Photo No. 18	Date: 7/17/17	
Direction Photo Taken: West		
Description: Area 1 Underground overflow storage vault.		


Client Name: City of Trenton		Site Location: 1491 W. Jefferson Avenue, Trenton, MI 48183	Project No. 170443-0100
Photo No. 19	Date: 7/17/17		
Direction Photo Taken: South			
Description: Area 1 Eastern portion of former Sinter building, with stained concrete.			

Photo No. 20	Date: 7/17/17	
Direction Photo Taken: West		
Description: Area 1 Former Sinter Building interior. EPA Drained transformer.		


Client Name: City of Trenton		Site Location: 1491 W. Jefferson Avenue, Trenton, MI 48183	Project No. 170443-0100
Photo No. 21	Date: 7/17/17		
Direction Photo Taken: South			
Description: Area 1 Former Sinter Building interior and EPA drained capacitor.			

Photo No. 22	Date: 7/17/17	
Direction Photo Taken: South		
Description: Area 1 Slag stockpile northwest of CWWTP area.		

Client Name: City of Trenton		Site Location: 1491 W. Jefferson Avenue, Trenton, MI 48183	Project No. 170443-0100
Photo No. 23	Date: 7/17/17		
Direction Photo Taken: Southwest			
Description: Area 1 Former railroad.			

Photo No. 24	Date: 7/17/17	
Direction Photo Taken: West		
Description: Area 1 Open pipe access.		



Client Name: City of Trenton		Site Location: 1491 W. Jefferson Avenue, Trenton, MI 48183	Project No. 170443-0100
Photo No. 25	Date: 7/17/17		
Direction Photo Taken: East			
Description: Area 1 Former drum storage area in central portion of Area 1.			

Photo No. 26	Date: 7/17/17	
Direction Photo Taken: West		
Description: Area 1 Former substation off of West Jefferson Avenue at west end of Area 1.		

Client Name: City of Trenton		Site Location: 1491 W. Jefferson Avenue, Trenton, MI 48183	Project No. 170443-0100
Photo No. 27	Date: 7/17/17		
Direction Photo Taken: South			
Description: Area 1 Stained concrete in main parking lot area. Several tanks and dumpsters are stored (by lessee).			

Photo No. 28	Date: 7/17/17	
Direction Photo Taken: N/A		
Description: Area 1 Basement in office building utility room, filled with water.		

Client Name: City of Trenton		Site Location: 1491 W. Jefferson Avenue, Trenton, MI 48183	Project No. 170443-0100
Photo No. 29	Date: 7/17/17		
Direction Photo Taken: West			
Description: Area 1 Garage at main office, stained floor.			

Photo No. 30	Date: 7/17/17	
Direction Photo Taken: North		
Description: Area 1 Wash House basement full of water.		

Client Name: City of Trenton		Site Location: 1491 W. Jefferson Avenue, Trenton, MI 48183	Project No. 170443-0100
Photo No. 1	Date: 7/21/17		
Direction Photo Taken: North			
Description: Area 2 1-million-gallon fuel oil tank with recirculation water cooling system to the left.			

Photo No. 2	Date: 7/21/17	
Direction Photo Taken: North		
Description: Area 2 1-million-gallon fuel oil tank.		


Client Name: City of Trenton		Site Location: 1491 W. Jefferson Avenue, Trenton, MI 48183	Project No. 170443-0100
Photo No. 3	Date: 7/21/17		
Direction Photo Taken: East			
Description: Area 2 6,000-gallon sodium hypochlorite AST and other tanks inside 1-million-gallon fuel oil tank secondary containment.			

Photo No. 4	Date: 7/17/17	
Direction Photo Taken: southwest		
Description: Area 2 AST and drum staging area in Slab Handling and Storage Bldg.		


Client Name: City of Trenton		Site Location: 1491 W. Jefferson Avenue, Trenton, MI 48183	Project No. 170443-0100
Photo No. 5	Date: 7/17/17		
Direction Photo Taken: Southwest			
Description: Area 2 AST and drum staging area in Slab Handling and Storage Bldg..			

Photo No. 6	Date: 7/21/17	
Direction Photo Taken: West		
Description: Area 2 30,000-gallon spent hydrochloric acid tank.		

Client Name: City of Trenton		Site Location: 1491 W. Jefferson Avenue, Trenton, MI 48183	Project No. 170443-0100
Photo No. 7	Date: 7/21/17		
Direction Photo Taken: West			
Description: Area 2 Elevated pickling acid tanks.			

Photo No. 8	Date: 7/21/17	
Direction Photo Taken: West		
Description: Area 2 Picking acid tanks above with oil tanks behind.		


Client Name: City of Trenton		Site Location: 1491 W. Jefferson Avenue, Trenton, MI 48183	Project No. 170443-0100
Photo No. 9	Date: 7/21/17		
Direction Photo Taken: Southwest			
Description: Area Cold roll oil tanks in pickling acid AST storage area.			

Photo No. 10	Date: 7/21/17	
Direction Photo Taken: Northwest		
Description: Area 2 Baghouse loading area showing concrete slab and groundwater monitoring well (MW-N148).		


Client Name: City of Trenton		Site Location: 1491 W. Jefferson Avenue, Trenton, MI 48183	Project No. 170443-0100
Photo No. 11	Date: 7/21/17		
Direction Photo Taken: Northwest			
Description: Area 2 Pallets of "Exide" batteries.			

Photo No. 12	Date: 7/21/17	
Direction Photo Taken: West		
Description: Area 2 Interior of water-filled sump/drainage system at Blooming Mill Scale Pits area.		


Client Name: City of Trenton		Site Location: 1491 W. Jefferson Avenue, Trenton, MI 48183	Project No. 170443-0100
Photo No. 13	Date: 7/21/17		
Direction Photo Taken: North			
Description: Area 2 Blooming Mill Scale Pits.			

Photo No. 14	Date: 7/17/17	
Direction Photo Taken: South		
Description: Area 2 Slab handling and Storage Building. Building to left contained non-PCB capacitors.		

Client Name: City of Trenton		Site Location: 1491 W. Jefferson Avenue, Trenton, MI 48183	Project No. 170443-0100
Photo No. 15	Date: 7/17/17		
Direction Photo Taken: Northeast			
Description: Area 2 General interior building view showing potential ACM covered pipes.			

Photo No. 16	Date: 7/17/17	
Direction Photo Taken: Southwest		
Description: Area 2 General interior view - Finishing and Shipping Buildings 1 and 2.		

Client Name: City of Trenton		Site Location: 1491 W. Jefferson Avenue, Trenton, MI 48183	Project No. 170443-0100
Photo No. 17	Date: 7/17/17		
Direction Photo Taken: West			
Description: Area 2 General interior building view from southwest corner of Slab Handling and Storage Building.			

Photo No. 18	Date: 7/17/17	
Direction Photo Taken: South		
Description: Area 2 General building interior of No. 2 Finishing and Shipping Building.		


Client Name: City of Trenton		Site Location: 1491 W. Jefferson Avenue, Trenton, MI 48183	Project No. 170443-0100
Photo No. 19	Date: 7/17/17		
Direction Photo Taken: North			
Description: Area 2 General building interior of No. 1 Finish and Shipping Building.			

Photo No. 20	Date: 7/17/17	
Direction Photo Taken: East		
Description: Area 2 General Building interior – pickling line and roller cradles.		


Client Name: City of Trenton		Site Location: 1491 W. Jefferson Avenue, Trenton, MI 48183	Project No. 170443-0100
Photo No. 21	Date: 7/17/17		
Direction Photo Taken: Southwest			
Description: Area 2 General interior view of ceiling trusses, with potential ACM covered pipes. Stack for "old furnace" visible in background.			

Photo No. 22	Date: 7/17/17	
Direction Photo Taken: West		
Description: Area 2 General building interior near South end of Slab Handling and Storage Building. Transformers visible at center and to the right.		



Client Name: City of Trenton		Site Location: 1491 W. Jefferson Avenue, Trenton, MI 48183	Project No. 170443-0100
Photo No. 23	Date: 7/17/17		
Direction Photo Taken: Northeast			
Description: Area 2 Same area as Photo No. 22 showing transformer banks. Photo taken on 7/17/2017. By 7/21/2017 upper level equipment and steel platform had been removed.			

Photo No. 24	Date: 7/17/17	
Direction Photo Taken: North		
Description: Area 2 From same location as Photo No. 23 toward Slab Heating Building (left) and Slab Handling and Storage Building (right).		


Client Name: City of Trenton		Site Location: 1491 W. Jefferson Avenue, Trenton, MI 48183	Project No. 170443-0100
Photo No. 25	Date: 7/17/17		
Direction Photo Taken: North			
Description: Area 2 General interior view of north end of Soaking Pit Building.			

Photo No. 26	Date: 7/17/17	
Direction Photo Taken: South		
Description: Area 2 Interior view of Slab Handling and Storage Building. AST/Drum staging area visible at center of photo.		



Client Name: City of Trenton		Site Location: 1491 W. Jefferson Avenue, Trenton, MI 48183	Project No. 170443-0100
Photo No. 27	Date: 7/21/17		
Direction Photo Taken: West			
Description: Area 2 Bulk Grease AST near north end of Rolling Mill Building. South stack of former furnace visible in left background.			

Photo No. 28	Date: 7/17/17	
Direction Photo Taken: West		
Description: Area 2 General building exterior of Slab Handling and Storage Building showing potential ACM covered pipes and ducts.		


Client Name: City of Trenton		Site Location: 1491 W. Jefferson Avenue, Trenton, MI 48183	Project No. 170443-0100
Photo No. 29	Date: 7/17/17		
Direction Photo Taken: Southwest			
Description: Area 2 Same as Photo No. 28 from different perspective.			

Photo No. 30	Date: 7/17/17	
Direction Photo Taken: Northwest		
Description: Area 2 Same as Photo No. 28 from different perspective.		

Client Name: City of Trenton		Site Location: 1491 W. Jefferson Avenue, Trenton, MI 48183	Project No. 170443-0100
Photo No. 31	Date: 7/17/17		
Direction Photo Taken: North			
Description: Area 2 Stack and scrubbing equipment for slab reheating furnaces.			

Photo No. 32	Date: 7/17/17	
Direction Photo Taken: Northwest		
Description: Area 2 Long view of Slab Handling and Storage Building exterior.		

Client Name: City of Trenton		Site Location: 1491 W. Jefferson Avenue, Trenton, MI 48183	Project No. 170443-0100
Photo No. 33	Date: 7/21/17		
Direction Photo Taken: Northwest			
Description: Area 2 Close view of south entrance to Slab Handling and Storage Building.			

Photo No. 34	Date: 7/21/17	
Direction Photo Taken: Northeast		
Description: Area 2 Same as Photo No. 31.		


Client Name: City of Trenton		Site Location: 1491 W. Jefferson Avenue, Trenton, MI 48183	Project No. 170443-0100
Photo No. 35	Date: 7/17/17		
Direction Photo Taken: East			
Description: Area 2 Non-PCB capacitors stored in "PCB" placarded building west of AST/drum staging area in Slab Handling and Storage Building.			

Photo No. 36	Date: 7/17/17	
Direction Photo Taken: East		
Description: Coil Transfer Tunnel at north end of No. 1/No. 2 Finishing and Shipping Building.		

Client Name: City of Trenton		Site Location: 1491 W. Jefferson Avenue, Trenton, MI 48183	Project No. 170443-0100
Photo No. 37	Date: 7/21/17		
Direction Photo Taken: West			
Description: Area 2 Same as Photo No. 36, but in opposite direction. Note oily film on water surface.			

Photo No. 38	Date: 7/21/17	
Direction Photo Taken: East		
Description: Area 2 Oil Sludge Basin/Concast Grit Basin. Possible oily residue on water surface.		

Client Name: City of Trenton		Site Location: 1491 W. Jefferson Avenue, Trenton, MI 48183	Project No. 170443-0100
Photo No. 39	Date: 7/21/17		
Direction Photo Taken: North			
Description: Area 2 Same as Photo No. 38.			

Photo No. 40	Date: 7/21/17	
Direction Photo Taken: Northwest		
Description: Area 2 Same as Photo No. 38.		

Client Name: City of Trenton		Site Location: 1491 W. Jefferson Avenue, Trenton, MI 48183	Project No. 170443-0100
Photo No. 41	Date: 7/21/17		
Direction Photo Taken: Southwest			
Description: Area 2 Same as Photo No. 38.			

Photo No. 42	Date: 7/21/17	
Direction Photo Taken: South		
Description: Area 2 Same as Phot No. 38.		

Client Name: City of Trenton		Site Location: 1491 W. Jefferson Avenue, Trenton, MI 48183	Project No. 170443-0100
Photo No. 43	Date: 7/21/17		
Direction Photo Taken: North			
Description: Area 2 Former Recirculating Water System Building immediately north of Oil Sludge/Concast Grit Basin.			

Photo No. 44	Date: 7/17/17	
Direction Photo Taken: East		
Description: Area 2 West end of Continuous Casting Recirculation trenches. This end is just inside the Slab Handling and Storage Building.		

Client Name: City of Trenton		Site Location: 1491 W. Jefferson Avenue, Trenton, MI 48183	Project No. 170443-0100
Photo No. 45	Date: 7/17/17		
Direction Photo Taken: East			
Description: Area 2 Same as Photo No. 44, one of three recirculating water trenches leading to flooded basement of former Continuous Casting Building.			

Photo No. 46	Date: 7/17/17	
Direction Photo Taken: West		
Description: Area 2 Same as Photo No. 45 in opposite direction.		


Client Name: City of Trenton		Site Location: 1491 W. Jefferson Avenue, Trenton, MI 48183	Project No. 170443-0100
Photo No. 47	Date: 7/21/17		
Direction Photo Taken: Northeast			
Description: Area 2 Recirculation basin in lower level of former Continuous Casting Building.			

Photo No. 48	Date: 7/21/17	
Direction Photo Taken: South		
Description: Area 2 Wash House. Bottom level consisted of showers and lockers, and upper level was inaccessible.		


Client Name: City of Trenton		Site Location: 1491 W. Jefferson Avenue, Trenton, MI 48183	Project No. 170443-0100
Photo No. 49	Date: 7/17/17		
Direction Photo Taken: Southwest			
Description: Area 2 Down Coiler Sump area. Oily water and drums and compressed gas cylinders sitting in the water.			

Photo No. 50	Date: 7/17/17	
Direction Photo Taken: Northwest		
Description: Area 2 Same as Photo No. 49 in different direction. Note the compressed gas cylinders in center of photo and top of drum toward the left wall.		


Client Name: City of Trenton		Site Location: 1491 W. Jefferson Avenue, Trenton, MI 48183	Project No. 170443-0100
Photo No. 51	Date: 7/17/17		
Direction Photo Taken: North			
Description: Area 2 Same as Photo No. 49 – Note oil covered water, compressed gas cylinder, drum (at left) and flooded equipment.			

Photo No. 52	Date: 7/17/17	
Direction Photo Taken: East		
Description: Area 2 North end of pickling line, continuation of Coil Transfer Tunnel from Finishing and Shipping Buildings (Photos No. 36- 37). Water with oil on surface.		


Client Name: City of Trenton		Site Location: 1491 W. Jefferson Avenue, Trenton, MI 48183	Project No. 170443-0100
Photo No. 53	Date: 7/21/17		
Direction Photo Taken: North			
Description: Area 2 Down Coiler Sump from floor level - same as Photo No. 49			

Photo No. 54	Date: 7/21/17	
Direction Photo Taken: Northeast		
Description: Area 2 Electric Heaters in Slab Heating Building.		

Client Name: City of Trenton		Site Location: 1491 W. Jefferson Avenue, Trenton, MI 48183	Project No. 170443-0100
Photo No. 55	Date: 7/21/17		
Direction Photo Taken: Southeast			
Description: Area 2 Same as Photo No. 54 – note oily water in some lower levels.			

Photo No. 56	Date: 7/21/17	
Direction Photo Taken: East		
Description: Area 2 Same as Photo No. 54 – note oily water in some lower areas.		

Client Name: City of Trenton		Site Location: 1491 W. Jefferson Avenue, Trenton, MI 48183	Project No. 170443-0100
Photo No. 57	Date: 7/21/17		
Direction Photo Taken: North			
Description: Area 2 Reheat Area Drain Sump in Soaking Pit Building. Possible ACM on piping.			

Photo No. 58	Date: 7/21/17	
Direction Photo Taken: East		
Description: Area 2 Same as Photo No. 57.		

Client Name: City of Trenton		Site Location: 1491 W. Jefferson Avenue, Trenton, MI 48183	Project No. 170443-0100
Photo No. 59	Date: 7/21/17		
Direction Photo Taken: North			
Description: Area 2 Machine Shop Building located east of main building across from Acid /cold roll oil AST's (Photos No. 6-9).			

Photo No. 60	Date: 7/21/17	
Direction Photo Taken: South		
Description: Area 2 Same as Photo No. 59. Note small rectangular tank and drum on pallet. Drum contained liquid that smelled like gasoline or other petroleum distillate.		


Client Name: City of Trenton		Site Location: 1491 W. Jefferson Avenue, Trenton, MI 48183	Project No. 170443-0100
Photo No. 61	Date: 7/21/17		
Direction Photo Taken: North			
Description: Area 2 Same as Photo No. 59. Hoist or lift pit in foreground.			

Photo No. 62	Date: 7/21/17	
Direction Photo Taken: East		
Description: Area 2 Same as Photo No. 59. Dozens of fluorescent light bulbs stored at northeastern portion of building.		

Client Name: City of Trenton		Site Location: 1491 W. Jefferson Avenue, Trenton, MI 48183	Project No. 170443-0100
Photo No. 63	Date: 7/21/17		
Direction Photo Taken: East			
Description: Area 2 Same as Photo No. 59 - Machinery with oil/grease stains on floor at northeastern corner of building.			

Photo No. 64	Date: 7/21/17	
Direction Photo Taken: Northwest		
Description: Area 2 Same as Photo No. 59 – leaky drums on pallet labeled synthetic oil and dented drums containing unknown liquids.		


Client Name: City of Trenton		Site Location: 1491 W. Jefferson Avenue, Trenton, MI 48183	Project No. 170443-0100
Photo No. 65	Date: 7/21/17		
Direction Photo Taken: Northwest			
Description: Area 2 Close up of leaking drums in Photo No. 64.			

Photo No. 66	Date: 7/21/17	
Direction Photo Taken: North		
Description: Area 2 Same as Photo No. 59 - pit/manway filled with water at southeast corner of Machine Shop Building.		


Client Name: City of Trenton		Site Location: 1491 W. Jefferson Avenue, Trenton, MI 48183	Project No. 170443-0100
Photo No. 67	Date: 7/21/17		
Direction Photo Taken: Southeast			
Description: Area 2 Boiler in separate room at north end of Machine Shop Building with possible ACM insulation on pipes and ducts.			

Photo No. 68	Date: 7/21/17	
Direction Photo Taken: Southwest		
Description: Area 2 Two transformers outside northeast corner of Machine Shop Building where it meets with the Wash House.		

Client Name: City of Trenton		Site Location: 1491 W. Jefferson Avenue, Trenton, MI 48183	Project No. 170443-0100
Photo No. 69	Date: 7/17/17		
Direction Photo Taken: South			
Description: Area 2 Mobile Equipment Building located at northwest corner of Soaking Pit Building (not shown on map). Several empty drums and small ASTs present. This drum labeled mineral spirits was tipped over and leaking through bung. Drum was approximately 1/3 full.			

Photo No. 70	Date: 7/17/17	
Direction Photo Taken: North		
Description: Area 2 Same as Photo No. 69 – drum has been righted to mitigate leakage – large area of floor stained by leak.		


Client Name: City of Trenton		Site Location: 1491 W. Jefferson Avenue, Trenton, MI 48183	Project No. 170443-0100
Photo No. 71	Date: 7/17/17		
Direction Photo Taken: East			
Description: Area 2 Mobile Equipment Building – truck lift with dark oil visible under grate at east end of lift trench.			

Photo No. 72	Date: 7/17/17	
Direction Photo Taken: Down		
Description: Area 2 Close up of grate in Photo No. 71 showing dark oil under grate at east end of truck lift.		


Client Name: City of Trenton		Site Location: 1491 W. Jefferson Avenue, Trenton, MI 48183	Project No. 170443-0100
Photo No. 73	Date: 7/21/17		
Direction Photo Taken: South			
Description: Area 2 Outer wall of Mobil Equipment Building (not shown on map). Building protrudes into Soaking Pit Building. Numerous old tires outside wall.			

Photo No. 74	Date: 7/21/17	
Direction Photo Taken: Southwest		
Description: Area 2 North entrance to Mobile Equipment Building with a portable AST, a used gas tank, and tires stacked outside.		


Client Name: City of Trenton		Site Location: 1491 W. Jefferson Avenue, Trenton, MI 48183	Project No. 170443-0100
Photo No. 75	Date: 7/21/17		
Direction Photo Taken: West			
Description: Area 2 Oily AST with oil on floor in No. 2 Finishing and Shipping Building.			

Photo No. 76	Date: 7/21/17	
Direction Photo Taken: West		
Description: Area 2 Same as Photo No. 75 with closer view of oil on floor.		


Client Name: City of Trenton		Site Location: 1491 W. Jefferson Avenue, Trenton, MI 48183	Project No. 170443-0100
Photo No. 77	Date: 7/21/17		
Direction Photo Taken: North			
Description: Area 2 Same as Photo No. 75 from different perspective. Railing for Coil Transfer Tunnel visible in background against far wall.			

Photo No. 78	Date: 7/21/17	
Direction Photo Taken: South		
Description: Area 2 From same location as Photo No. 77. Heavy grease and oil under machinery.		


Client Name: City of Trenton		Site Location: 1491 W. Jefferson Avenue, Trenton, MI 48183	Project No. 170443-0100
Photo No. 79	Date: 7/21/17		
Direction Photo Taken: North			
Description: Area 2 Cans of paint, adhesives, cans, hydraulic cement and other materials on pallets at southwest corner of Slab Conditioning Building.			

Photo No. 80	Date: 7/21/17	
Direction Photo Taken: Northwest		
Description: Area 2 Same as Photo No. 79 from other side of containers.		

Client Name: City of Trenton		Site Location: 1491 W. Jefferson Avenue, Trenton, MI 48183	Project No. 170443-0100
Photo No. 81	Date: 7/17/17		
Direction Photo Taken: Northwest			
Description: Area 2 Pickling Line in Pickling Building.			

Photo No. 82	Date: 7/17/17	
Direction Photo Taken: Northwest		
Description: Area 2 North end of Pickling Line.		

Client Name: City of Trenton		Site Location: 1491 W. Jefferson Avenue, Trenton, MI 48183	Project No. 170443-0100
Photo No. 83	Date: 7/17/17		
Direction Photo Taken: North			
Description: Area 2 Trenches at end of Pickling Line filled with oil and debris.			

Photo No. 84	Date: 7/17/17	
Direction Photo Taken: West		
Description: Area 2 Same as Photo No. 83 - trenches at end of Pickling Line filled with oil and debris.		


Client Name: City of Trenton		Site Location: 1491 W. Jefferson Avenue, Trenton, MI 48183	Project No. 170443-0100
Photo No. 85	Date: 7/17/17		
Direction Photo Taken: South			
Description: Area 2 Same as Photo No. 83 - trenches at end of Pickling Line filled with oil and debris.			

Photo No. 86	Date: 7/17/17	
Direction Photo Taken: South		
Description: Area 2 Same as Photo No. 83 - trenches at end of Pickling Line filled with oil and debris.		

Client Name: City of Trenton		Site Location: 1491 W. Jefferson Avenue, Trenton, MI 48183	Project No. 170443-0100
Photo No. 87	Date: 7/17/17		
Direction Photo Taken: South			
Description: Area 2 Old reheat furnace area – pit at northeast corner.			

Photo No. 88	Date: 7/17/17	
Direction Photo Taken: North		
Description: Area 2 Same as Photo No. 87 close in and from opposite direction.		


Client Name: City of Trenton		Site Location: 1491 W. Jefferson Avenue, Trenton, MI 48183	Project No. 170443-0100
Photo No. 89	Date: 7/21/17		
Direction Photo Taken: South			
Description: Area 2 Top edge of pit/Sump at north end of former reheat furnace with debris behind— stack for exhaust visible in background.			

Photo No. 90	Date: 7/21/17	
Direction Photo Taken: South		
Description: Area 2 View into pit in foreground of Photo No. 89. Thick reddish oil floating on top of water in the pit.		


Client Name: City of Trenton		Site Location: 1491 W. Jefferson Avenue, Trenton, MI 48183	Project No. 170443-0100
Photo No. 91	Date: 7/21/17		
Direction Photo Taken: South			
Description: Area 2 Reheat furnace at south end of Soaking Pit Building. Note burners with possible ACM to left and exhaust at upper right which lead to stack shown in Photos No. 31 and 34.			

Photo No. 92	Date: 7/17/17	
Direction Photo Taken: Southeast		
Description: Area 2 Same as Photo No. 91.		


Client Name: City of Trenton		Site Location: 1491 W. Jefferson Avenue, Trenton, MI 48183	Project No. 170443-0100
Photo No. 93	Date: 7/17/17		
Direction Photo Taken: East			
Description: Area 2 Same as Photo No. 91, showing burners with possible ACM coverings.			

Photo No. 94	Date: 7/21/17	
Direction Photo Taken: West		
Description: Area 2 Same as Photo No. 91, showing burners with exhaust structures on upper wall in background.		


Client Name: City of Trenton		Site Location: 1491 W. Jefferson Avenue, Trenton, MI 48183	Project No. 170443-0100
Photo No. 95	Date: 7/21/17		
Direction Photo Taken: Northwest			
Description: Area 2 Turnstile at Reheat Sump, south of electric re- heaters.			

Photo No. 96	Date: 7/21/17	
Direction Photo Taken:		
Description: Area 2 Same as Photo No. 95 with electric re-heaters in background.		


Client Name: City of Trenton		Site Location: 1491 W. Jefferson Avenue, Trenton, MI 48183	Project No. 170443-0100
Photo No. 97	Date: 7/21/17		
Direction Photo Taken: North			
Description: Area 2 Roll Shop located at southwest corner of Coil and Storage Area/Rolling Mill Building.			

Photo No. 98	Date: 7/21/17	
Direction Photo Taken: South		
Description: Area 2 Same as Photo No. 97 from opposite direction. Deep pit located in far-right (southwest) corner of room, with heavy machinery to the left.		


Client Name: City of Trenton		Site Location: 1491 W. Jefferson Avenue, Trenton, MI 48183	Project No. 170443-0100
Photo No. 99	Date: 7/21/17		
Direction Photo Taken: Down			
Description: Area 2 Water in bottom of deep pit at southwest corner of Roll Shop.			

Photo No. 100	Date: 7/21/17	
Direction Photo Taken: West		
Description: Area 2 22,000-gallon oil AST at south end of Sedimentation Basin.		


Client Name: City of Trenton		Site Location: 1491 W. Jefferson Avenue, Trenton, MI 48183	Project No. 170443-0100
Photo No. 101	Date: 7/21/17		
Direction Photo Taken: South			
Description: Area 2 Sedimentation Basin with pump house to the left and No. 3 Finishing and Shipping Building to the right.			

Photo No. 102	Date: 7/21/17	
Direction Photo Taken: Southwest		
Description: Area 2 Sedimentation Basin, note oil film on water surface.		


Client Name: City of Trenton		Site Location: 1491 W. Jefferson Avenue, Trenton, MI 48183	Project No. 170443-0100
Photo No. 103	Date: 7/21/17		
Direction Photo Taken: South			
Description: Area 2 Sedimentation Basin pump house.			

Photo No. 104	Date: 7/21/17	
Direction Photo Taken: South		
Description: Area 2 Sedimentation Basin pump house interior – note significant oil on floor.		


Client Name: City of Trenton		Site Location: 1491 W. Jefferson Avenue, Trenton, MI 48183	Project No. 170443-0100
Photo No. 105	Date: 7/21/17		
Direction Photo Taken: North			
Description: Area 2 Sugar bulk storage in No. 3 Finishing and Shipping building.			

Photo No. 106	Date: 7/17/17	
Direction Photo Taken: South		
Description: Area 2 Same as Photo No. 105, from opposite direction.		


Client Name: City of Trenton		Site Location: 1491 W. Jefferson Avenue, Trenton, MI 48183	Project No. 170443-0100
Photo No. 107	Date: 7/21/17		
Direction Photo Taken: Northeast			
Description: Area 2 Same as Photo No. 105 from the west.			

Photo No. 108	Date: 7/21/17	
Direction Photo Taken: Northeast		
Description: Area 2 Same as Photo No. 105 from the west.		

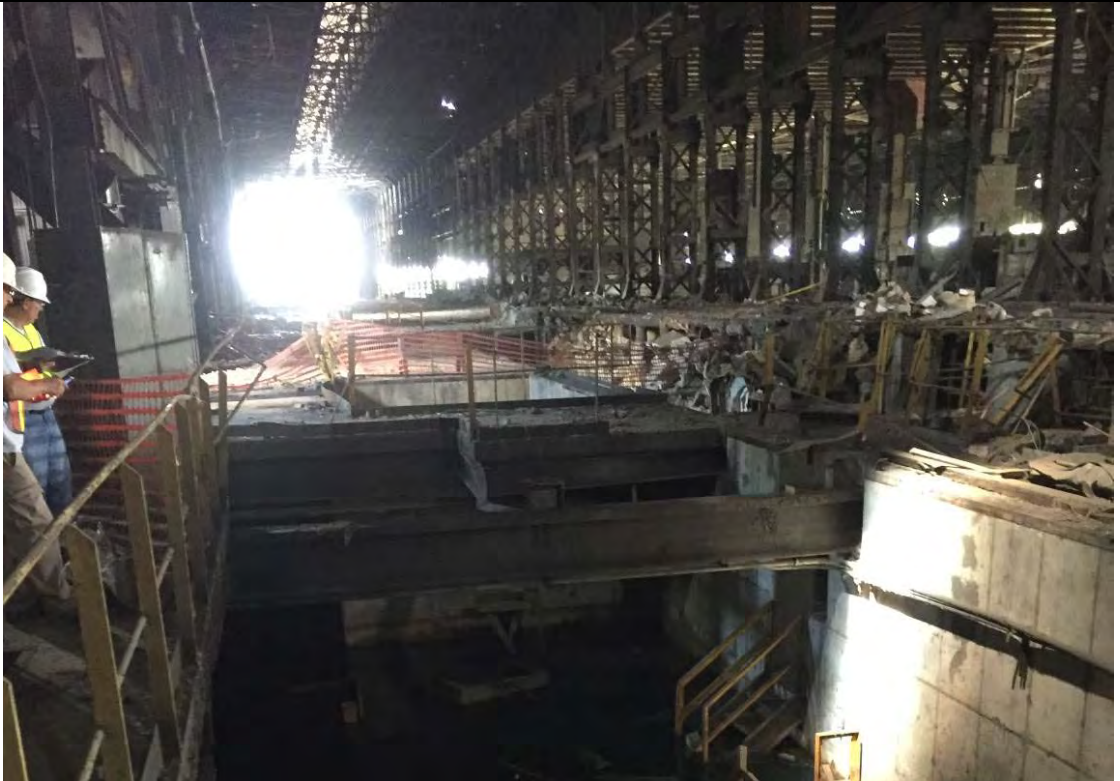
Client Name: City of Trenton		Site Location: 1491 W. Jefferson Avenue, Trenton, MI 48183	Project No. 170443-0100
Photo No. 109	Date: 7/17/17		
Direction Photo Taken: North			
Description: Area 2 Pits and flooded basements in and around Switch Gear Room, just south of the re-heat furnace. Area at south end of Soaking Pit Building.			

Photo No. 110	Date: 7/17/17	
Direction Photo Taken: Southeast		
Description: Area 2 Pits and flooded basements in and around Switch Gear Room at south end of Soaking Pit Building. Note drums floating on water surface.		


Client Name: City of Trenton		Site Location: 1491 W. Jefferson Avenue, Trenton, MI 48183	Project No. 170443-0100
Photo No. 111	Date: 7/17/17		
Direction Photo Taken: North			
Description: Area 2 Flooded basement with equipment near Switch Gear Room.			

Photo No. 112	Date: 7/17/17	
Direction Photo Taken: Southeast		
Description: Area 2 View from stairs into basement near Switch Gear Room showing flooded basement and machinery.		



Client Name: City of Trenton		Site Location: 1491 W. Jefferson Avenue, Trenton, MI 48183	Project No. 170443-0100
Photo No. 113	Date: 7/17/17		
Direction Photo Taken: Northwest			
Description: Area 2 One of many transformers. Near south end of Slab Handling and Storage (same group visible in Photo No. 22).			

Photo No. 114	Date: 7/21/17	
Direction Photo Taken: Northwest		
Description: Area 2 Same area as Photo No. 113 from farther away. Note the upper level equipment and the support platform has been removed between July 17 and July 21.		


Client Name: City of Trenton		Site Location: 1491 W. Jefferson Avenue, Trenton, MI 48183	Project No. 170443-0100
Photo No. 115	Date: 7/17/17		
Direction Photo Taken: North			
Description: Area 2 Transformers in No. 2 Finishing and Shipping.			

Photo No. 116	Date: 7/17/17	
Direction Photo Taken: West		
Description: Area 2 Large transformer on west wall of Soaking Pit Building.		



Client Name: City of Trenton		Site Location: 1491 W. Jefferson Avenue, Trenton, MI 48183	Project No. 170443-0100
Photo No. 117	Date: 7/17/17		
Direction Photo Taken: South			
Description: Area 2 Transformer at south end of Slab Handling and Storage.			

Photo No. 118	Date: 7/17/17	
Direction Photo Taken: Southeast		
Description: Area 2 No. 2 Finish and Shipping Building - 3 transformers labeled EPA drained July 2009.		

Client Name: City of Trenton		Site Location: 1491 W. Jefferson Avenue, Trenton, MI 48183	Project No. 170443-0100
Photo No. 119	Date: 7/17/17		
Direction Photo Taken: Northeast			
Description: Area 2 No. 2 Finish and Shipping Building – transformer with those shown in Photo No. 118 in background.			

Photo No. 120	Date: 7/17/17	
Direction Photo Taken: South		
Description: Area 2 No. 2 Finish and Shipping Building – several transformers along columns.		


Client Name: City of Trenton		Site Location: 1491 W. Jefferson Avenue, Trenton, MI 48183	Project No. 170443-0100
Photo No. 121	Date: 7/17/17		
Direction Photo Taken: Southwest			
Description: Area 2 Slab Storage Building – transformers located south of AST/drum staging area.			

Photo No. 122	Date: 7/17/17	
Direction Photo Taken: West		
Description: Area 2 Two transformers in No. 2 Finishing and Shipping Motor Room.		



Client Name: City of Trenton		Site Location: 1491 W. Jefferson Avenue, Trenton, MI 48183	Project No. 170443-0100
Photo No. 123	Date: 7/17/17		
Direction Photo Taken: Northwest			
Description: Area 2 Soaking Pit Building - north end transformer staging area with a number of transformers. Some were labeled drained, while others were not. Some had evidence of leaks onto plastic sheeting.			

Photo No. 124	Date: 7/17/17	
Direction Photo Taken: Southwest		
Description: Area 2 Same as Photo No. 123 from different perspective.		

Client Name: City of Trenton		Site Location: 1491 W. Jefferson Avenue, Trenton, MI 48183	Project No. 170443-0100
Photo No. 125	Date: 7/17/17		
Direction Photo Taken: West			
Description: Area 2 Same as Photo No. 123 from different perspective.			

Photo No. 126	Date: 7/21/17	
Direction Photo Taken: Northwest		
Description: Area 2 Transformer at southeast corner of AST/drum staging area in Slab Handling and Storage Building.		



Client Name: City of Trenton		Site Location: 1491 W. Jefferson Avenue, Trenton, MI 48183	Project No. 170443-0100
Photo No. 127	Date: 7/21/17		
Direction Photo Taken: Northeast			
Description: Area 2 No. 1 Finishing and Shipping Building – relocated transformer.			

Photo No. 128	Date: 7/17/17	
Direction Photo Taken: North		
Description: Area 2 Slab Conditioning Building - unknown contents in broken pails and various castings.		

Client Name: City of Trenton		Site Location: 1491 W. Jefferson Avenue, Trenton, MI 48183	Project No. 170443-0100
Photo No. 129	Date: 7/21/17		
Direction Photo Taken: West			
Description: Area 2 Water filtration/treatment equipment in building labeled on maps as "Old Four High Scale Pit."			

Photo No. 130	Date: 7/21/17	
Direction Photo Taken: South		
Description: Area 2 Same as Photo No. 129.		

Client Name: City of Trenton		Site Location: 1491 W. Jefferson Avenue, Trenton, MI 48183	Project No. 170443-0100
Photo No. 131	Date: 7/21/17		
Direction Photo Taken: West			
Description: Area 2 Upper level of north side of building shown in Photo No. 129. Contents of blue rectangular and white cylindrical tanks are unknown.			


Client Name: City of Trenton		Site Location: 1491 W. Jefferson Avenue, Trenton, MI 48183	Project No. 170443-0100
Photo No. 1	Date: 7/21/17		
Direction Photo Taken: North			
Description: Area 3 20,000-gallon diesel fuel AST.			

Photo No. 2	Date: 7/21/17	
Direction Photo Taken: East		
Description: Area 3 Staining within containment of 2 diesel ASTs.		


Client Name: City of Trenton		Site Location: 1491 W. Jefferson Avenue, Trenton, MI 48183	Project No. 170443-0100
Photo No. 3	Date: 7/21/17		
Direction Photo Taken: East			
Description: Area 3 2 steel drums, 1 labeled synthetic, other not labeled, both 55 gallons within containment area of diesel ASTs. One drum partially full.			

Photo No. 4	Date: 7/21/17	
Direction Photo Taken: North		
Description: Area 3 Rail spur leading into Locomotive Repair Shop.		

Client Name: City of Trenton		Site Location: 1491 W. Jefferson Avenue, Trenton, MI 48183	Project No. 170443-0100
Photo No. 5	Date: 7/21/17		
Direction Photo Taken: South			
Description: Area 3 Pipeline running parallel to rail spur, south of diesel ASTs.			

Photo No. 6	Date: 7/21/17	
Direction Photo Taken: Northeast		
Description: Area 3 Empty 55-gallon steel drum at locomotive repair shop.		

Client Name: City of Trenton		Site Location: 1491 W. Jefferson Avenue, Trenton, MI 48183	Project No. 170443-0100
Photo No. 7	Date: 7/21/17		
Direction Photo Taken: East			
Description: Area 3 Significant oil staining at locomotive repair shop.			

Photo No. 8	Date: 7/21/17	
Direction Photo Taken: North		
Description: Area 3 Locomotive repair service trench flooded with oily water.		


Client Name: City of Trenton		Site Location: 1491 W. Jefferson Avenue, Trenton, MI 48183	Project No. 170443-0100
Photo No. 9	Date: 7/21/17		
Direction Photo Taken: North			
Description: Area 3 Soil stockpile with staining west of locomotive repair building.			

Photo No. 10	Date: 7/21/17	
Direction Photo Taken: North		
Description: Area 3 Unlabeled steel tank on southern maintenance shop wall.		

Client Name: City of Trenton		Site Location: 1491 W. Jefferson Avenue, Trenton, MI 48183	Project No. 170443-0100
Photo No. 11	Date: 7/21/17		
Direction Photo Taken: North			
Description: Area 3 Unlabeled steel tank on southern maintenance shop wall.			

Photo No. 12	Date: 7/21/17	
Direction Photo Taken: East		
Description: Area 3 Staining on spare parts building floor.		


Client Name: City of Trenton		Site Location: 1491 W. Jefferson Avenue, Trenton, MI 48183	Project No. 170443-0100
Photo No. 13	Date: 7/21/17		
Direction Photo Taken: East			
Description: Area 3 Unlabeled pressure canisters at maintenance building. Two hydraulic accumulation cylinders, staining throughout building.			

Photo No. 14	Date: 7/21/17	
Direction Photo Taken: East		
Description: Area 3 Empty 35-gallon steel drum in maintenance building.		


Client Name: City of Trenton		Site Location: 1491 W. Jefferson Avenue, Trenton, MI 48183	Project No. 170443-0100
Photo No. 15	Date: 7/21/17		
Direction Photo Taken: West			
Description: Area 3 Fuel oil tank system at the maintenance building.			

Photo No. 16	Date: 7/21/17	
Direction Photo Taken: North		
Description: Area 3 Cracked and stained concrete throughout the maintenance building.		


Client Name: City of Trenton		Site Location: 1491 W. Jefferson Avenue, Trenton, MI 48183	Project No. 170443-0100
Photo No. 17	Date: 7/21/17		
Direction Photo Taken: Northwest			
Description: Area 3 Lime slurry basin at acid neutralization plant full of water.			

Photo No. 18	Date: 7/21/17	
Direction Photo Taken: West		
Description: Area 3 Floor stains and spillage of white powdery substance in lime AST building.		

Client Name: City of Trenton		Site Location: 1491 W. Jefferson Avenue, Trenton, MI 48183	Project No. 170443-0100
Photo No. 19	Date: 7/21/17		
Direction Photo Taken: East			
Description: Area 3 Square below ground storage vault, full of water, north of 2 slurry basins at lime AST.			

Photo No. 20	Date: 7/21/17	
Direction Photo Taken: West		
Description: Area 3 Transformer 17 at the substation. EPA drained 6/24/09.		


Client Name: City of Trenton		Site Location: 1491 W. Jefferson Avenue, Trenton, MI 48183	Project No. 170443-0100
Photo No. 21	Date: 7/21/17		
Direction Photo Taken: East			
Description: Area 3 Transformer 18 at the substation. EPA drained 6/24/09.			

Photo No. 22	Date: 7/21/17	
Direction Photo Taken: N/A		
Description: Area 3 Outdoor transformer east of substation building.		

Client Name: City of Trenton		Site Location: 1491 W. Jefferson Avenue, Trenton, MI 48183	Project No. 170443-0100
Photo No. 23	Date: 7/21/17		
Direction Photo Taken: North			
Description: Area 3 Unlabeled fiberglass AST at the former air separation plant.			

Photo No. 24	Date: 7/21/17	
Direction Photo Taken: East		
Description: Area 3 Tank cradles at north end of former air separation plant.		


Client Name: City of Trenton		Site Location: 1491 W. Jefferson Avenue, Trenton, MI 48183	Project No. 170443-0100
Photo No. 25	Date: 7/21/17		
Direction Photo Taken: North			
Description: Area 3 No. 6 furnace regulating transformer – EPA drained 7-28-09. Significant staining.			

Photo No. 26	Date: 7/21/17	
Direction Photo Taken: East		
Description: Area 3 Staining in nitrogen evaporator control building.		


Client Name: City of Trenton		Site Location: 1491 W. Jefferson Avenue, Trenton, MI 48183	Project No. 170443-0100
Photo No. 27	Date: 7/21/17		
Direction Photo Taken: West			
Description: Area 3 Former air separation plant.			

Photo No. 28	Date: 7/21/17	
Direction Photo Taken: Southwest		
Description: Area 3 2 oil ASTs with concrete containment at former boiler house.		


Client Name: City of Trenton		Site Location: 1491 W. Jefferson Avenue, Trenton, MI 48183	Project No. 170443-0100
Photo No. 29	Date: 7/21/17		
Direction Photo Taken: Southwest			
Description: Area 3 Oily water within 2 oil AST's containment area at boiler house.			

Photo No. 30	Date: 7/21/17	
Direction Photo Taken: West		
Description: Area 3 Former fiberglass tank north of AST's at boiler house.		


Client Name: City of Trenton		Site Location: 1491 W. Jefferson Avenue, Trenton, MI 48183	Project No. 170443-0100
Photo No. 31	Date: 7/21/17		
Direction Photo Taken: West			
Description: Area 3 Electrical equipment on second level of former boiler house structure; staining on concrete.			

Photo No. 32	Date: 7/21/17	
Direction Photo Taken: West		
Description: Area 3 Concrete staining on former boiler house structure.		

Client Name: City of Trenton		Site Location: 1491 W. Jefferson Avenue, Trenton, MI 48183	Project No. 170443-0100
Photo No. 33	Date: 7/21/17		
Direction Photo Taken: North			
Description: Area 3. Former ore yard no. 1			

Photo No. 34	Date: 7/21/17	
Direction Photo Taken: South		
Description: Area 3 Excavated area south of ore yard #1. Strong sanitary odor and soil staining.		


Client Name: City of Trenton		Site Location: 1491 W. Jefferson Avenue, Trenton, MI 48183	Project No. 170443-0100
Photo No. 35	Date: 7/21/17		
Direction Photo Taken: N/A			
Description: Area 3 Slag stockpile pile at southern slag pit, south of blast furnace area.			

Photo No. 36	Date: 7/21/17	
Direction Photo Taken: West		
Description: Area 3 Blast furnace area #1; stained soils.		


Client Name: City of Trenton		Site Location: 1491 W. Jefferson Avenue, Trenton, MI 48183	Project No. 170443-0100
Photo No. 37	Date: 7/21/17		
Direction Photo Taken: North			
Description: Area 3 Former basement area full of demolition debris, south of blast furnace			

Photo No. 38	Date: 7/21/17	
Direction Photo Taken: East		
Description: Area 3 Slag stockpile at former blast furnace.		

Client Name: City of Trenton		Site Location: 1491 W. Jefferson Avenue, Trenton, MI 48183	Project No. 170443-0100
Photo No. 39	Date: 7/21/17		
Direction Photo Taken: North			
Description: Former iron ore pellet storage area.			


Client Name: City of Trenton		Site Location: 1491 W. Jefferson Avenue, Trenton, MI 48183	Project No. 170443-0100
Photo No. 1	Date: 7/21/17		
Direction Photo Taken: East			
Description: Area 4 Slag stockpile north of ore yard No. 2.			

Photo No. 2	Date: 7/21/17	
Direction Photo Taken: Southeast		
Description: Area 4 Soil staining north of slag stockpile at ore yard No. 2.		


Client Name: City of Trenton		Site Location: 1491 W. Jefferson Avenue, Trenton, MI 48183	Project No. 170443-0100
Photo No. 3	Date: 7/21/17		
Direction Photo Taken: East			
Description: Area 4 Open concrete vaults filled with water at railroad transfer station.			

Photo No. 4	Date: 7/21/17	
Direction Photo Taken: Northeast		
Description: Area 4 Former railroad transfer building; slag on old floor.		


Client Name: City of Trenton		Site Location: 1491 W. Jefferson Avenue, Trenton, MI 48183	Project No. 170443-0100
Photo No. 5	Date: 7/21/17		
Direction Photo Taken: West			
Description: Area 4 EPA drained transformer #29 on 6-25-09 in the gas cleaning area north of the railroad transfer station.			

Photo No. 6	Date: 7/21/17	
Direction Photo Taken: West		
Description: Area 4 Transformer in building north of railroad transfer station.		

Client Name: City of Trenton		Site Location: 1491 W. Jefferson Avenue, Trenton, MI 48183	Project No. 170443-0100
Photo No. 7	Date: 7/21/17		
Direction Photo Taken: West			
Description: Area 4 EPA drained capacitor 6-25-09; stained concrete.			

Photo No. 8	Date: 7/21/17	
Direction Photo Taken: North		
Description: Area 4 Open concrete vault filled with water near railroad transfer station.		


Client Name: City of Trenton		Site Location: 1491 W. Jefferson Avenue, Trenton, MI 48183	Project No. 170443-0100
Photo No. 9	Date: 7/21/17		
Direction Photo Taken: West			
Description: Area 4 Former gas cleaning operations area, south of railroad transfer station. Subsurface basement filled with water.			

Photo No. 10	Date: 7/21/17	
Direction Photo Taken: Southwest		
Description: Area 4 White substance on compressed gas storage building floor; staining.		

Client Name: City of Trenton		Site Location: 1491 W. Jefferson Avenue, Trenton, MI 48183	Project No. 170443-0100
Photo No. 11	Date: 7/21/17		
Direction Photo Taken: West			
Description: Area 4 Unlabeled compressed gas canister at the compressed gas storage building.			

Photo No. 12	Date: 7/21/17	
Direction Photo Taken: South		
Description: Area 4 Fire extinguishers south of compressed gas storage building.		

Client Name: City of Trenton		Site Location: 1491 W. Jefferson Avenue, Trenton, MI 48183	Project No. 170443-0100
Photo No. 13	Date: 7/21/17		
Direction Photo Taken: Southeast			
Description: Area 4 5 chemical storage bins with an unknown substance and without containment near former melt shop building.			

Photo No. 14	Date: 7/21/17	
Direction Photo Taken: West		
Description: Area 4 Building within former gas cleaning operations area. Significant staining on east side of building.		


Client Name: City of Trenton		Site Location: 1491 W. Jefferson Avenue, Trenton, MI 48183	Project No. 170443-0100
Photo No. 15	Date: 7/21/17		
Direction Photo Taken: Northwest			
Description: Area 4 Staining within building within former gas cleaning operations area.			

Photo No. 16	Date: 7/21/17	
Direction Photo Taken: West		
Description: Area 4 Empty 55-gallon steel drum with staining on floor in building south of the remaining building former gas cleaning operations area.		


Client Name: City of Trenton		Site Location: 1491 W. Jefferson Avenue, Trenton, MI 48183	Project No. 170443-0100
Photo No. 17	Date: 7/21/17	 A photograph showing the interior of a concrete vault. The walls are made of dark, textured concrete with vertical reinforcement lines. In the center, there is a rectangular opening with horizontal metal bars. Through the bars, a bright outdoor scene with greenery and a blue sky is visible. The floor of the vault is dark and appears to be covered in water or a wet surface.	
Direction Photo Taken: West			
Description: Area 4 Open concrete vaults at former gas cleaning operations area, filled with water.			

Photo No. 18	Date: 7/21/17	 A photograph showing the exterior of a concrete vault. The vault is a large, rectangular structure made of concrete. On top of the vault, there is a large pile of dark, charred debris, possibly wood or metal. The vault is surrounded by green vegetation, including trees and bushes. The sky is blue with some clouds.
Direction Photo Taken: East		
Description: Area 4 Waste pile within concrete vault.		


Client Name: City of Trenton		Site Location: 1491 W. Jefferson Avenue, Trenton, MI 48183	Project No. 170443-0100
Photo No. 19	Date: 7/21/17		
Direction Photo Taken: Southwest			
Description: Area 4 Open concrete vault filled with water near former gas cleaning operations area.			

Photo No. 20	Date: 7/21/17	
Direction Photo Taken: East		
Description: Area 4 EPA drained transformer #35 6-23-09.		


Client Name: City of Trenton		Site Location: 1491 W. Jefferson Avenue, Trenton, MI 48183	Project No. 170443-0100
Photo No. 21	Date: 7/21/17		
Direction Photo Taken: East			
Description: Area 4 Floor staining within pump house, south of former gas cleaning operations area.			

Photo No. 22	Date: 7/21/17	
Direction Photo Taken: North		
Description: Area 4 Former fiberglass storage tank, south of former continuous casting building.		

Client Name: City of Trenton		Site Location: 1491 W. Jefferson Avenue, Trenton, MI 48183	Project No. 170443-0100
Photo No. 23	Date: 7/21/17		
Direction Photo Taken: North			
Description: Area 4 Former basement of continuous casting building filled with water with oily sheen.			

Client Name: City of Trenton		Site Location: 1491 W. Jefferson Avenue, Trenton, MI 48183	Project No. 170443-0100
Photo No. 1	Date: 7/17/17		
Direction Photo Taken: West			
Description: Area 5 Stockpile of railroad ties near center of area.			

Photo No. 2	Date: 7/17/17	
Direction Photo Taken: Northwest		
Description: Area 5 Stockpiles of soil and slag near scrap storage area.		


Client Name: City of Trenton		Site Location: 1491 W. Jefferson Avenue, Trenton, MI 48183	Project No. 170443-0100
Photo No. 3	Date: 7/17/17		
Direction Photo Taken: North			
Description: Area 5 Former scrap storage area.			

Photo No. 4	Date: 7/17/17	
Direction Photo Taken: South		
Description: Area 5 Material stockpile next to concrete pad.		

Client Name: City of Trenton		Site Location: 1491 W. Jefferson Avenue, Trenton, MI 48183	Project No. 170443-0100
Photo No. 5	Date: 7/17/17		
Direction Photo Taken: North			
Description: Area 5 Former railroad line.			

Photo No. 6	Date: 7/17/17	
Direction Photo Taken: North		
Description: Area 5 Former conveyor line; extending subgrade.		


Client Name: City of Trenton		Site Location: 1491 W. Jefferson Avenue, Trenton, MI 48183	Project No. 170443-0100
Photo No. 7	Date: 7/17/17		
Direction Photo Taken: North			
Description: Area 5 Former conveyor storage vault; filled with water.			

Photo No. 8	Date: 7/17/17	
Direction Photo Taken: Northwest		
Description: Area 5 Material stockpile.		

Client Name: City of Trenton		Site Location: 1491 W. Jefferson Avenue, Trenton, MI 48183	Project No. 170443-0100
Photo No. 9	Date: 7/17/17		
Direction Photo Taken: West			
Description: Area 5 2 stockpiles and an evacuated area in center of area.			

Photo No. 10	Date: 7/17/17	
Direction Photo Taken: Southwest		
Description: Area 5 Conveyer belt stockpile.		

Client Name: City of Trenton		Site Location: 1491 W. Jefferson Avenue, Trenton, MI 48183	Project No. 170443-0100
Photo No. 11	Date: 7/17/17		
Direction Photo Taken: N/A			
Description: Area 5 Former empty drum storage area; north of former conveyor/storage vault.			

Appendix G

Agency Support Materials

1. Briefing Report – Detroit Steel Company, former McLouth Steel Trenton Plant
2. Detroit Steel Company, Trenton Plant (USPEA) Transformer Tracking Table

BRIEFING REPORT

Detroit Steel Company (DSC), (former McLouth Steel Trenton plant)
1491 West Jefferson Avenue, Trenton, Michigan
Wayne County, Michigan
Site ID No. 82001699
EPA Site ID MID 017 422 304

Issue or Request

This briefing report has been prepared to provide information about the Detroit Steel Company property (former McLouth Steel Trenton plant), which is under consideration for redevelopment. The property is in the process of tax reverting. Wayne County is looking for potential buyers. The following link to a recent Detroit News Article describes the current activities: (<http://www.detroitnews.com/story/news/local/wayne-county/2017/05/18/mclouth-steel/101815090/>)

Background/Facts:

The former McLouth Steel production property included two parcels: 1491 W. Jefferson (273 acres) which was sold in 1996 to the former Detroit Steel Company (DSC); and the northern portion (76 acres) which was sold in 2000 to Riverview Trenton Railroad Company (RTRR), a company incorporated by Crown Enterprises, Inc., a Maroun family company. The RTRR property is not part of the potential redevelopment.

- The property was a steel and iron production facility and a hazardous waste treatment, storage, and disposal facility, bound by the Trenton Channel of the Detroit River and Grosse Ile to the east; West Jefferson with a quarry and commercial industrial property to the west, and Meyer Elias Park, the Black Lagoon, and residential/commercial land to the south. The boundary between the property and the Trenton Channel of the Detroit River is defined by concrete bulkheads and steel sheet piling. The adjoining ground surface lies approximately 6 to 15 feet above typical river elevations.
- McLouth owned and operated the property as an integrated steel and iron production facility from 1954 to 1995. McLouth filed a notification of regulated waste activity and a Resource Conservation and Recovery Act (RCRA) Part A permit application on November 17, 1980. In addition, due to the use and management of polychlorinated biphenyl (PCB) containing equipment, the facility is also subject to requirements of the Toxic Substances Control Act (TSCA). The facility was idled in stages during late 1995 and 1996 after filing for Chapter 11 bankruptcy protection in September of 1995.
- DSC operations were initially limited to demolition of existing building and removal of machinery and equipment. However DSC in November of 1996 filed a notification of Regulated Waste activity form with the U.S.EPA pursuant to Section 3010 of the RCRA. In the notification, DSC identified itself as a generator of hazardous waste and an owner/operator of a treatment, storage, and disposal facility.

Briefing Report

Detroit Steel Company (DSC), (former McLouth Steel Trenton plant)

Page 2

- A Consent Order was entered between DSC and the DEQ on December 17, 1999. The Order identified 46 Waste Management Units (WMUs) and 33 Areas of Concern (AOCs) at the site. The WMUs are subject to Part 111/RCRA, and the AOCs are subject to Part 201.
- These WMUs and AOCs included a sulfuric acid pickling line that is reported to have leaked, a low-pH groundwater plume extending across the southern portion of the property, basements filled with oil and PCBs, scaling pits containing oily substances, a sedimentation basin filled with oily water and free phase oily liquids, drum storage areas, and an on-site waste water treatment plant. Site-wide observed contamination primarily consists of metals, volatiles, polynuclear aromatic hydrocarbons (PAHs), and PCBs in soils, in addition to extreme pH in groundwater, and dioxin in soil and river sediments. The extensive soil and groundwater contamination causes concern for the protection of human health and the environment for multiple exposure pathways.
- The U.S. EPA conducted two emergency removals in 2009. The first action removed 3,744 PCB capacitors, 39,783 gallons of PCB oil, and 1,877 containers of hazardous waste. A second, time critical removal action was necessary to mitigate the imminent threat to public health and the environment posed by the presence of high pH leachate which had migrated outside the fence line, was accessible to the public, and was migrating into the Monguagon Creek, which leads to the Detroit River.
- Part of the property is currently being used to store raw sugar. There are multiple, very large vacant steel buildings with various tunnels and basements remaining on the property. The site is mostly abandoned with debris piles, machinery and equipment, hazardous material storage piles, waste treatment process piles and other industrial equipment. The property is partially fenced but access is not restricted and shows signs of trespass, including graffiti, and fence-line breaches.
- The Department of Environmental Quality (DEQ) referred the property to the U.S. EPA Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA) Superfund Program to address corrective action obligations in 2011. The DEQ conducted a CERCLA re-assessment in 2014 and an Expanded Site Investigation (ESI) and collected samples in 2015. The DEQ submitted a draft ESI report to the EPA in 2016. The EPA has now provided comments and is expected to sign the ESI report by early June 2017. It is expected the EPA will ask for official state concurrence to propose the site to the NPL sometime during the summer of 2017. The site could potentially be proposed to the NPL as early as September 2017 and officially listed on the NPL in the spring of 2018.
- Redevelopment options will remain if the site is placed on the NPL. The EPA will work with new owners to obtain Bona Fide Prospective Purchaser status to prevent liability under CERCLA. The EPA strongly supports redevelopment of sites on the NPL and will actively work with developers to accommodate redevelopment needs. If

Briefing Report

Detroit Steel Company (DSC), (former McLouth Steel Trenton plant)

Page 3

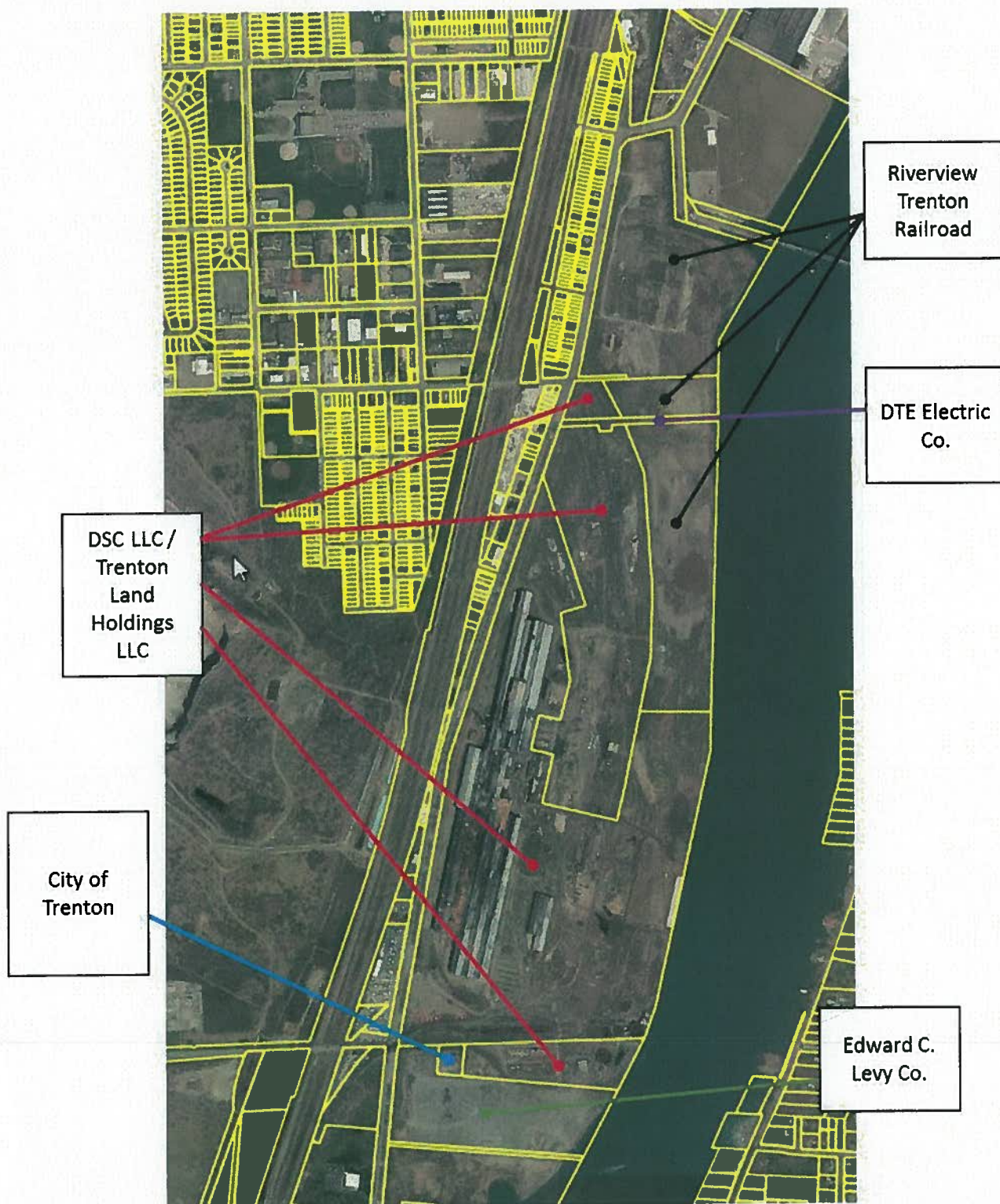
necessary, a Prospective Purchaser's Agreement could be developed to address RCRA liability concerns.

- The 1999 Consent Order between DSC and the DEQ has not been terminated. The site has interim status under RCRA and Part 111, and as such, the liability still resides with the landowners, regardless of possible CERCLA activities in managing corrective action and pursuing potential responsible parties.
- Redevelopment challenges not related to the environmental condition of the property may include the following:
 - The facility is in close proximity to the bridge and ship access may be limited, necessitating the use of tugs for some transport.
 - There are residential areas nearby where roads may not be in appropriate condition to handle increased truck traffic and the community may have concerns about transport through the neighborhoods.
 - RTRR may hold a railroad easement on the property and so will need to be contacted and a purchaser will likely need to negotiate terms for access.
- Redevelopment of this property is feasible; however, careful consideration should be given to the environmental issues and liabilities under both the State of Michigan and the U.S. government. The owner and operator may have obligations to conduct remedial and due care actions to protect human health and the environment. The owner and operator must consider potential unacceptable human exposures such as direct contact with soils (both during and after construction activities), volatilization to indoor air for occupied buildings, the inhalation of contaminated particulates, and environmental impacts to the surface waters and sediments. While a new purchaser may not have liability to pay for or complete response actions that address environmental conditions such as contaminated groundwater venting to surface water, they will have an obligation to allow access and not impede remedial activities that may be necessary under law. Management of contaminated soil and groundwater must consider all relevant and applicable regulations regarding movement, transport, and disposal. While these environmental issues are not insurmountable, considerable care and time will be needed to ensure redevelopment is protective for future users.
- A parcel map is attached.

Prepared by: David Kline, Super Fund Section Chief, RRD;
Patricia Thornton, Project Manager, RRD;
Dave Slayton, Unit Supervisor, WMRPD;
Rich Conforti, Project Manager, WMRPD
Rhonda Klann, Field Operations Section Manager, RRD
May 25, 2017

Briefing Report
Detroit Steel Company (DSC), (former McLouth Steel Trenton plant)
Page 4

ATTACHMENT: 2017-05-19 Parcel Map from Wayne County website



Thornton, Patricia (DEQ)

From: Conforti, Rich (DEQ)
Sent: Tuesday, May 23, 2017 2:53 PM
To: Klann, Rhonda (DEQ)
Cc: Leeming, Susan (DEQ); Shirey, Kathleen (DEQ); Schinderle, Jack (DEQ); Sliver, Steve (DEQ); Kneale, Catherine (DEQ); Nevison, Amy (DEQ); Owens, Paul (DEQ); Thornton, Patricia (DEQ); Walczak, Joe (DEQ); Slayton, David (DEQ); Kline, David (DEQ); Taylor, Al (DEQ)
Subject: RE: McClouth - DSC briefing memo
Attachments: DSC 304 12-99 consent.pdf; DSC 304 CACO Att C.PDF; DSC 304 CACO Att D.PDF; 2014-12-16 DSC 304 DEQ McLouth Trenton CERCLA NPL assessment 2014 CA.PDF; 2011-05-11 DSC Trenton 304 CERCLA Referral DSC acceptance B .pdf; 2011-3-18_DSC 304 CERCLA Referral letter.pdf

Here is a start. I attached documents that I believe will support the summary below with more details.

1. Historic use – real briefly

The original Site consisted of approximately 273 acres located in the cities of Trenton and Riverview along the bank of the Trenton Channel of the Detroit River. McLouth Steel Products Corporation (McLouth) owned and operated the Site as an integrated steel and iron production facility from 1954 to 1995. McLouth used both basic oxygen furnaces (BOF) and electric arc furnaces (EAF) to produce steel. During its operation, McLouth established and operated a storage pile for EAF air pollution control dust, a listed hazardous waste pursuant to Part 111 of NREPA and the Resource Conservation and Recovery Act of 1976 (RCRA). In addition, due to the use and management of polychlorinated biphenyl (PCB) containing equipment, the Site was also subject to requirements of the Toxic Substances Control Act (TSCA). On September 29, 1995, McLouth filed for Chapter 11 protection. The closing on the sale of McLouth assets took place on August 14, 1996, and assets were transferred to Detroit Steel Company Ltd.'s (DSC). A Consent Order was entered between DSC and the MDEQ on December 17, 1999.

On June 2, 2000, Crown Enterprises purchased approximately 76 acres of the northern portion of the Trenton property from DSC. The 76 acres includes 36 acres within the city boundaries of Trenton and 40 acres within the boundaries of Riverview, Michigan. This portion of the site is referred to as Riverview Trenton Rail Road (RTRR). In November 2000, Crown Enterprises conveyed to RTRR, by quit claim deed, title to property.

In 2002, the DSC/Detroit Steel lease was assigned to Trenton Land Holdings, LLC (TLH), following which TLH exercised the purchase option contained in the lease and acquired title to all of the Trenton Site land.

2. Contaminant concerns – very broadly: type of contaminants; impact to soil, groundwater, river; Exposure pathways of concern

The MDEQ Consent Order identified 46 WMUs and 33 AOCs at the Site. These WMUs and AOCs included a sulfuric acid pickling line that is reported to have leaked, a low-pH groundwater plume extending across the southern portion of the Site, basements filled with oil

and PCBs, scaling pits containing oily substances, a sedimentation basin filled with oily water and free phase oily liquids, drum storage areas, and an on-site waste water treatment plant. Site-wide observed contamination primarily consists of metals, volatiles, polynuclear aromatic hydrocarbons (PAHs), and PCBs in soils, in addition to an observed high pH groundwater plume.

Exposure pathways of concern are:

Groundwater analytical data from samples collected in 2005, indicate Volatile Organic Compounds (VOCs), Semi-Volatile Organic Compounds (SVOCs), and PCBs are above drinking water standards and GSI criteria. Amenable cyanide, mercury, and copper are present above generic GSI criteria. Iron, manganese, lead, and vanadium were found to be above generic drinking water criteria. Groundwater pH at the Site has measured as low as 1.0 to as high as 13.4. The MDEQ generic GSI criterion *range* for pH is 6.5 to 9.0.

Surface water pathway is a major exposure pathway of concern for this Site. The Site is located adjacent to the Trenton Channel which is part of the Detroit River and analytical results from monitoring wells, soil borings, test pits, and surficial soil samples confirm site-wide groundwater and soil contamination consisting of metals, volatiles, PAHs, and PCBs.

Soil Exposure is a concern due to on-site workers and trespassers, as a result of known documented contaminated soils present at the surface of the Site. The majority of the property consists of caustic slag fill material containing metals, arsenic, lead, cadmium, chromium, copper, iron, selenium, and zinc. There are also numerous documented spills and contaminated soils containing PCBs, spent sulfuric acid, used oil, PAHs, and VOCs. Lead has been found above industrial direct contact limits near the Melt Shop North Baghouse. The Site is partially fenced but access is not restricted. There are signs of trespass, graffiti, and fence-line breaches. The eastern side of the Site is open to the Detroit River.

There is a potential for migration of Site contaminants through the air pathway. Potential contaminants associated with steel manufacturing facility operations are volatile and have a potential for gas migration. The other component of the air pathway is particulate migration. Documented contaminants present in the surficial soils have a potential for particulate migration due to the presence of non-vegetated areas throughout most of the Site. Manganese is present in the soil at concentrations that exceed the particulate soil inhalation criteria. The Site has been the target of vandals and a fire and is near a residential neighborhood.

3. EPA removal actions

As a result of inspections of the Site, the U.S. EPA conducted two emergency removals at the Site. The first removal occurred May-October 2009 when the U.S. EPA removed 3,744 PCB capacitors, 39,783 gallons of PCB oil, and 1,877 containers of hazardous waste. In June 2009, high pH leachate originating from the RTRR property was found pooled on the side of the road at the Site and discharging into the Monguagon Creek. A time critical removal action was necessary to mitigate the imminent threat to public health and the environment posed by the presence of high pH leachate above 12 which had migrated outside the fence line, was accessible to the public, and migrating into the Monguagon Creek, which leads to the Detroit River.

4. RCRA TSD status

The Site is a hazardous waste treatment, storage, and disposal facility regulated under Subtitle C of the RCRA. McLouth filed a notification of waste activity and a RCRA Part A Hazardous Waste Permit Application on November 17, 1980, for the storage of an electric arc furnace (EAF) dust pile, and obtained interim status for the waste pile storage at the Site. On November 4, 1996, DSC, filed a Notification of Hazardous Waste Activity Form for the Site with the EPA pursuant to Section 3010 of the RCRA. In this notification, DSC, identified itself as a generator of hazardous waste and an owner/operator of a treatment, storage, and disposal facility. DSC, filed a Part A Hazardous Waste Permit Application for the Site on September 8, 1997, for the handling and storage of KO61 (Emission control dust/sludge from the primary production of steel in electric furnaces), and obtained interim status pursuant to the RCRA. The 1999 Consent Order between DSC and the MDEQ has not been terminated. The Site has interim status under RCRA and Part 111, *and as such the liability still resides with the land owner, regardless of possible CERCLA activities in managing corrective action and pursuing potential responsible parties.*

5. The Superfund process, ESI status

The MDEQ referred the Site to the U.S. EPA Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA) Superfund Program to address corrective action obligations on March 18, 2011. CERCLA accepted the referral of the Site on May 11, 2011. The MDEQ completed a CERCLA Re-Assessment (RA) on December 16, 2014, and submitted the RA to EPA. MDEQ is waiting for EPA to list the Site on the National Priorities List (NPL).

Richard A. Conforti, Jr., P.E.
Environmental Engineer
DEQ – WMRPD CONSTITUTION HALL 4 SOUTH
☎ 517-284-6558

From: Slayton, David (DEQ)
Sent: Tuesday, May 23, 2017 2:22 PM
To: Kline, David (DEQ); Taylor, Al (DEQ); Klann, Rhonda (DEQ)
Cc: Leeming, Susan (DEQ); Shirey, Kathleen (DEQ); Schinderle, Jack (DEQ); Silver, Steve (DEQ); Kneale, Catherine (DEQ); Nevison, Amy (DEQ); Owens, Paul (DEQ); Thornton, Patricia (DEQ); Conforti, Rich (DEQ); Walczak, Joe (DEQ)
Subject: RE: McClouth - DSC briefing memo

We'll look for the draft to arrive, and please let us know if there are specific parts we help with along with the RCRA liability question.

David Slayton, Supervisor
Management and Tracking Unit
Hazardous Waste Section
Waste Management & Radiological Protection Division
Michigan Dept. of Environmental Quality
(517) 284-6571

From: Kline, David (DEQ)
Sent: Tuesday, May 23, 2017 11:37 AM
To: Taylor, Al (DEQ); Klann, Rhonda (DEQ)
Cc: Leeming, Susan (DEQ); Shirey, Kathleen (DEQ); Schinderle, Jack (DEQ); Sliver, Steve (DEQ); Kneale, Catherine (DEQ); Nevison, Amy (DEQ); Owens, Paul (DEQ); Thornton, Patricia (DEQ); Slayton, David (DEQ); Conforti, Rich (DEQ); Walczak, Joe (DEQ)
Subject: RE: McClouth - DSC briefing memo

Thanks Al. This is very helpful. The recent sampling was done by DEQ Superfund as part of the process of evaluating the site for possible inclusion the NPL. EPA Superfund has our draft report and we expect it to be signed soon. The question regarding RCRA liability came up because redevelopment options are being discussed as an alternative to placing the site on the NPL. In that scenario CERCLA would not be the avenue for addressing environmental issues, and we wanted to make sure any future landowner was aware of the potential for RCRA liability, as appropriate.

David A. Kline, Section Manager
Superfund Section
Remediation and Redevelopment Division
Michigan Department of Environmental Quality
517-284-5121

From: Taylor, Al (DEQ)
Sent: Tuesday, May 23, 2017 10:32 AM
To: Klann, Rhonda (DEQ)
Cc: Leeming, Susan (DEQ); Shirey, Kathleen (DEQ); Schinderle, Jack (DEQ); Sliver, Steve (DEQ); Kneale, Catherine (DEQ); Nevison, Amy (DEQ); Owens, Paul (DEQ); Thornton, Patricia (DEQ); Slayton, David (DEQ); Kline, David (DEQ); Conforti, Rich (DEQ); Walczak, Joe (DEQ)
Subject: RE: McClouth - DSC briefing memo

Rhonda –

Please have your team coordinate with Dave Slayton and Rich Conforti who have begun drafting the WMRPD information to drop into the base document.

Rich has also been looking into the work that EPA Superfund has done at the site after it was referred to CERCLA.

Thanks for taking the lead on this.

Al

Allan B. Taylor, Manager
Hazardous Waste Section
Waste Management and Radiological Protection Division
Michigan Department of Environmental Quality
517-614-7335
taylora@michigan.gov

From: Klann, Rhonda (DEQ)
Sent: Monday, May 22, 2017 4:00 PM
To: Owens, Paul (DEQ); Thornton, Patricia (DEQ); Taylor, Al (DEQ); Slayton, David (DEQ); Kline, David (DEQ); Walczak,

Joe (DEQ); Conforti, Rich (DEQ)

Cc: Leeming, Susan (DEQ); Shirey, Kathleen (DEQ); Schinderle, Jack (DEQ); Silver, Steve (DEQ); Kneale, Catherine (DEQ); Nevison, Amy (DEQ)

Subject: McClouth - DSC briefing memo

RRD has been requested to prepare a briefing memo for the McClouth/DSC facility for the Lt. Governor. Time frame is to provide draft memo to Sue Leeming by 1st thing Thursday morning, then to the Director by Thursday noon. I've attached a template for a briefing memo. It is my understanding that there are several aspects that need to be coordinated in the briefing memo – with SEMI district, Superfund Unit, and WMRPD Haz Waste Unit. Paul/Pat, Dave/Joe, and Al/Dave/Rich – can we jointly try to do this? Paul, if you and Pat could start, then Dave/Joe and Al/Dave/Rich can fill in as appropriate? Or if anyone else would like to volunteer to start that would be wonderful! From my 10 minute knowledge of the site it sounds like we need to cover the items below – but those with more knowledge please add/delete as needed! Thanks everyone!

1. Historic use – real briefly
2. Contaminant concerns – very broadly: type of contaminants; impact to soil, groundwater, river; Exposure pathways of concern
3. EPA removal actions
4. RCRA TSD status
5. The Superfund process, ESI status

Thanks!!

Rhonda Klann

Acting Field Operations Supervisor

DEQ Remediation and Redevelopment Division

klannr@michigan.gov

989-545-2100

1) Identification of contamination sources/releases and the risk of each to human health or the environment by pathway;

McLouth Steel performed several operations that involved the usage, storage, and disposal of several listed hazardous wastes. An MDEQ Consent Order identified 46 Waste Management Units (WMUs) and 33 Areas of Concern (AOCs) at the Site. Site-wide observed contamination primarily consists of metals, volatiles, polynuclear aromatic hydrocarbons (PAHs), and PCBs in soils, in addition to documented groundwater and surface water pathway contamination. The following are the major sources used for HRS scoring.

Surface Impoundments:

1. Sedimentation basin (8,634 yd³) filled with oily water and free phase oily liquids, posing a hazard to birds and other animals that may enter the area. Analytical results reveal metals and PAHs. This basin was involved in a historic fire when oil on the surface of the basin caught fire.
2. Soil samples from the standby Sludge Basin/Former Lagoon document metals and PAHs. The Sludge Basin/Former Lagoon had the capacity of 450,000 gallons and was 36' x 140' x 15'.
3. K061 Settling Basin - with a capacity of 3,000 yd³, contains contaminated soils containing lead, cadmium, chromium, nickel, and zinc.
4. Central Wastewater Treatment Plant (CWWTP) sludge pit/pile, including grit sludge leaking from storage container containing xylene, ethyl benzene, iron, chromium, lead, and nickel. Facility records report off-site disposal of 25,000 tons of sludge/year.

Drums and tanks:

5. During a 2007 site inspection by the U.S. EPA, over 500 containers (drums, pales, totes) and at least 35 above ground storage tanks (ASTs) were present and were in varying stages of disrepair. A portion of the containers had recently been moved into the covered slab yard. Some containers were overpacked, but many were still in poor condition and leaking. Many leaking containers were still outside the slab yard awaiting staging. The U.S. EPA also noted surficial soil staining in many locations outside of the plant buildings.
6. Boiler House Fuel Oil Tanks (approx. 80,000 gallons) - two ASTs used to store fuel oil for the boiler house with suspected spills. Documented spills reveal a variety of volatile aromatic hydrocarbons and PAHs in soil analyses.
7. Documented releases from the Waste Pickle Acid Storage Tank - soil sample analytical results reveal metals.
8. Underground Storage Tank gasoline release of approximately 500 gallons containing benzene, ethyl benzene, toluene, and xylene.
9. Buried west process sewer trunk lines of an unknown length but assuming 7,500 ft² long, north and south of sedimentation basin containing trichloroethylene, toluene, lead, and zinc.

Contaminated Soil:

10. Suspected releases of unknown quantity from the Locomotive Repair Shop consisting of waste oils, solvents, and fuels from a building used for repair of plant locomotives and rolling stock.
11. Suspected releases of unknown quantity from the Paint Shop of paint and solvent wastes from a building used for plant maintenance and painting activities.
12. The Former Drum Storage Area No. 2 is an approximately 10,000 ft² area of bare ground reportedly used for temporary storage of empty drums prior to crushing and off-site disposal with observed contaminated soils.
13. The Former Drum Storage Area No. 3 is an approximately 10,000 ft² area of bare ground used for temporary accumulation of approximately 200 drums abandoned by McLouth with observed contaminated soils.
14. Reported Rolling Mill PCB spill of an unknown quantity.
15. Documented soils around the EAF Baghouse containing lead, approximately 1,000 yd³.

16. Documented site-wide slag fill of unknown volume containing high pH, arsenic, lead, cadmium, chromium, copper, iron, manganese, selenium, and zinc.
17. Spent pickle acid storage and neutralization tank area of unknown size contain metals in the soil samples. Documented surficial soil samples reveals lead concentrations above industrial direct contact criteria.

Piles:

18. Documented EAF storage pile, located on the upland northern portion of the Site occupied approximately 25,000 square feet of ground surface and consisted of iron and steel making wastes (e.g., scales, slag, air pollution control dusts, coke and graphite fines, and dried process and wastewater treatment sludges) and plant debris (e.g., refractory brick, and scrap metal) with contaminated soils.
19. Suspected contamination from the North Debris Piles (Levy Mountain) located on the northern portion of the Site contained approximately 200,000 cubic yards of slag with documented metals (barium, cadmium, chromium, copper, manganese, selenium, vanadium, and zinc) and organic compounds.
20. Suspected contamination from the Noise Reduction Pile on the northern portion of the Site which was a pile of process material approximately 800 feet long and 15-20 feet high. It contained similar material as the North Debris Piles.

Other:

21. Reported PCB transformer release in 1978 without an exact volume, but assuming a 70 pound release. Multiple site-wide observed releases from PCB containing transformers and capacitors. Historical storage of thousands of surplus PCB-containing transformers/capacitors in the Equipment Storage Yard in the northern portion of the Site with suspected and likely leaks and spills of unknown quantity. The U.S. EPA removal action removed the capacitors. The transformers have been drained but remain in place.
22. Observed building basements approximately 10,000 ft² filled with oil and PCB-containing liquids.
23. Toxic Substances Control Act (TSCA) Storage Building located on the northern portion of the Site used to store PCB transformers and materials in compliance with TSCA regulations had approximately 200 pounds of PCB spills leached into the concrete floor.
24. Observed release of more than 2,500 gallons of high pH leachate from the northern part of the Site. The water entering Monguagon Creek also had high pH. Dead wildlife was documented in the stream by the U.S. EPA.

All contaminant sources/releases pose a threat to on-site workers. Migration of contaminants via groundwater, surface runoff, and wind-blown particulates has impacted the Detroit River and Monguagon Creek.

2) Location of contamination sources/release on a site map with legend;

See attached map.

3) Explain the limitations of our knowledge, not completed a full RI; and

Much of the data on the sources/releases is old. Current sampling is limited but does indicate contamination of the groundwater, surface water, and soil exposure pathways. No RI has been conducted for the site.

4) A schedule of milestones for Superfund listing for the next 12 months.

9/30/16 Draft Site Inspection (SI) report is scheduled to be completed and submitted to the U.S. EPA by the end of September. The recommendation to list the site on the National Priorities List (NPL) will be

submitted along with the draft report. The U.S. EPA has already started to have their contractor begin work on the documentation report for proposed NPL listing.

- 12/31/16 - Based on the documentation record work, and the U.S. EPA's review of the draft SI report, they will make recommendations for any corrections to the draft SI report and the need for any Expanded Site Inspection (ESI) work to gather additional data if required.
- 3/31/17 - If no additional data is needed, the U.S. EPA could possibly have the documentation record complete for proposed listing on the NPL. This would be the earliest date possible for proposal. If additional data is needed, an ESI would need to be performed in the spring of 2017 and proposed listing would be pushed back to 9/30/17 or even 3/31/18.
- 9/30/17 - Earliest date possible for final listing of the site on the NPL

DETROIT STEEL COMPANY, TRENTON PLANT, TRENTON, MI

TRANSFORMER TRACKING TABLE

	Location	Transformer	Capacity (Gallons)	Date Sampled	Analytical Result (ppm)	Date Drained	Gallons Drained
1	Blast Furnace One Yard.	1	360	5/18/2009	575,000	6/23/2009	288
2	Sinter House	11	354	NA	NA	6/23/2009	5
3	Sinter House	12	354	NA	NA	6/23/2009	5
4	Sinter House	13	380	NA	NA	6/23/2009	63
5	OP2 Gas Washer	35	205	5/19/2009	851,000	6/23/2009	160
6	OP2 Gas Washer	36	380	5/19/2009	571,000	6/23/2009	355
7	Boiler House	7	305	5/18/2009	781,000	6/24/2009	211
8	Boiler House	10	457	5/18/2009	709,000	6/24/2009	393
9	Boiler House	9	457	5/18/2009	799,000	6/24/2009	418
10	B Substation	17	130	5/19/2009	781,000	6/24/2009	70
11	B Substation	18	130	5/19/2009	775,000	6/24/2009	187
12	Machine Shop	19	390	5/18/2009	771,000	6/24/2009	370
13	Water Treatment	25	500	5/18/2009	569,000	6/24/2009	399
14	Water Treatment	26	205	5/18/2009	606,000	6/25/2009	201
15	Water Treatment	27	205	5/18/2009	765,000	6/25/2009	183
16	Bag House	37	290	5/18/2009	978,000	6/25/2009	252
17	Bag House	38	194	5/18/2009	978,000	6/25/2009	156
18	OP1 Gas Washer	30	25	5/19/2009	707,000	6/25/2009	42
19	OP1 Gas Washer	29	380	5/19/2009	804,000	6/25/2009	377
20	OP1 Gas Washer	28	1025	5/19/2009	707,000	6/25/2009	917
21	#3 Finishing	75	310	5/19/2009	678,000	6/25/2009	334
22	#3 Finishing	74	305	5/19/2009	659,000	6/25/2009	265
23	Blower Switch Gear Room	41	620	5/19/2009	911,000	6/26/2009	599
24	Blower Switch Gear Room	43	354	5/19/2009	790,000	6/26/2009	243
25	North Motor Room	44	520	5/19/2009	834,000	6/26/2009	488
26	Scarfer	46	500	5/19/2009	641,000	6/26/2009	460

DETROIT STEEL COMPANY, TRENTON PLANT, TRENTON, MI

TRANSFORMER TRACKING TABLE

	Location	Transformer	Capacity (Gallons)	Date Sampled	Analytical Result (ppm)	Date Drained	Gallons Drained
27	Scarfer	47	500	5/19/2009	707,000	6/26/2009	516
28	North Finish	77	520	5/19/2009	852,000	6/26/2009	429
29	Machine Shop	85	70	5/19/2009	94.6	6/26/2009	34
30	Machine Shop	86	70	5/19/2009	84.2	6/26/2009	33
31	Machine Shop	87	70	5/19/2009	114	6/26/2009	34
32	South Motor Room	56	2680	5/18/2009	504,000	6/27/2009	2,424
33	South Motor Room	B	25	5/18/2009	579,000	6/27/2009	50
34	North Finish	76	525	5/19/2009	634,000	6/27/2009	453
35	South Motor Room	57	2140	5/18/2009	529,000	6/29/2009	1,891
36	South Motor Room	59	1025	5/18/2009	529,000	6/29/2009	900
37	South Motor Room	C	25	5/18/2009	617,000	6/29/2009	40
38	South Motor Room	E	20	5/18/2009	689,000	2/29/09	40
39	South Motor Room	54	2,680	5/18/2009	570,000	6/30/2009	2,430
40	South Motor Room	55	2,140	5/18/2009	585,000	6/30/2009	1,964
41	Scarfer	45	520	NA	NA	NA	10
42	South Motor Room	50	720	5/18/2009	484,000	7/7/2009	636
43	South Motor Room	51	140	5/18/2009	801,000	7/7/2009	117
44	South Motor Room	49	720	5/18/2009	568,000	7/8/2009	653
45	South Motor Room	52	2,450	5/18/2009	401,900	7/9/2009	2,220
46	South Motor Room	53	2,680	5/18/2009	551,000	7/9/2009	2,387
47	Blower Switch Gear Room	42	620	NA	NA	6/26/2009	0
48	Basement-South Motor Room	60	2,070	NA	NA	7/10/2009	834
49	Basement-South Motor Room	61	2,070	NA	NA	7/10/2009	
50	Basement-South Motor Room	62	2,070	NA	NA	7/10/2009	
51	Basement-South Motor Room	63	2,070	NA	NA	7/10/2009	
52	Basement-South Motor Room	64	2,070	NA	NA	7/13/2009	

DETROIT STEEL COMPANY, TRENTON PLANT, TRENTON, MI

TRANSFORMER TRACKING TABLE

	Location	Transformer	Capacity (Gallons)	Date Sampled	Analytical Result (ppm)	Date Drained	Gallons Drained
53	Basement-South Motor Room	65	2,070	NA	NA	7/13/2009	
54	Basement-South Motor Room	66	812	NA	NA	7/10/2009	
55	Basement-South Motor Room	67	812	NA	NA	7/13/2009	
56	Basement-South Motor Room	68	130	5/18/2009	106,000		
57	Basement-South Motor Room	69	130	5/18/2009	871,000	7/14/2009	110
58	Basement-South Motor Room	70	130	5/18/2009	906,000	7/14/2009	105
59	SCR - Upper Level	78	4,010	NA	NA		
60	SCR - Ground Level	79	4,010	NA	NA		
61	SCR - Upper Level	81	4,010	NA	NA		
62	No. 2 Finishing	AA	25	NA	NA		
63	No. 2 Finishing	BB	25	NA	NA		
64	No. 2 Finishing	CC	25	NA	NA		
65	No. 2 Finishing	DD	25	NA	NA		
66	Reheat Furnace Building	EE	25	NA	NA		
67	Reheat Furnace Building	FF	25	NA	NA		
68	Reheat Furnace Building	GG	25	NA	NA		
69	Reheat Furnace Building	HH	25	NA	NA		
70	Reheat Furnace Building	II	25	NA	NA		
71	Induction Heat	JJ	150	NA	NA		
72	Slab Storage Building	KK	50	NA	NA		
73	Slab Storage Building (#39)	LL	205	NA	NA		
74	Machine Shop	MM	303	NA	NA		
75	B Substation (DTE-owned)	NN	2,000	NA	NA		
76	Steam Plant (#82)	OO	90-53	NA	NA		
77	No. 3 Finishing	PP	25	NA	NA		
78	No. 3 Finishing	QQ	25	NA	NA		

DETROIT STEEL COMPANY, TRENTON PLANT, TRENTON, MI TRANSFORMER TRACKING TABLE

	Location	Transformer	Capacity (Gallons)	Date Sampled	Analytical Result (ppm)	Date Drained	Gallons Drained
79	No. 3 Finishing	RR	25	NA	NA		
80	No. 3 Finishing	SS	25	NA	NA		
81	No. 3 Finishing	TT	25	NA	NA		
82	South Motor Room (#48)	UU	520	NA	NA		
83	South Motor Room (#58)	VV	620	NA	NA		
84	No. 1 Finishing Roof	WW	150	NA	NA		
85	No. 1 Finishing Roof	XX	150	NA	NA		
86	Slab Conditioning Building	YY	25	NA	NA		
87	Slab Conditioning Building	ZZ	25	NA	NA		

Legend:

	Capacity (Gallons)	Gallons Drained
--	-----------------------	--------------------

Drained	43,979	25,751
Schedule to be Drained	12,160	0
Not Schedule to be Drained	3,408	0
In use 7/8/09, not Scheduled	1,140	0

Notes: (1) Transformers 11, 12, 13, 45, 60-67, 78, 79, and 81 were previously drained by Safety Klee n.
 (2) Transformer 42 was previously drained by Dynex.

Appendix H

Qualifications

JOHN J. D'ADDONA, P.E.
Principal Engineer

Education

B.S., Civil Engineering, 1976
B.S., Environmental Sciences Engineering, 1976

Registrations

Professional Engineer, Michigan, No. 27512
OSHA 40-hour and Refresher HAZWOPER training
Certified Underground Storage Tanks Professional, Michigan, No. 414

Mr. D'Addona, P.E., has 41 years' experience in the environmental engineering field. Mr. D'Addona serves as ECT's manager of brownfield services for the Midwest, which includes both project management and technical responsibilities. His areas of expertise and experience primarily focus on brownfield redevelopment projects for communities and developers that include the facilitation and acquisition of funding sources, public outreach activities, property due diligence and remediation design and implementation activities leading to redevelopment. He has been involved with the acquisition and implementation of numerous U.S. Environmental Protection Agency (EPA) and state-funded brownfield grants/loans and grants associated with the natural environment that support brownfield redevelopment. He has lead technical teams in large scale environmental investigation, remediation design and implementation for underground storage tank and contaminant releases throughout the Midwest. Mr. D'Addona has bachelor's degrees in civil engineering and environmental sciences engineering. He is a registered professional engineer and certified underground storage tank professional in Michigan.

Project Director; Former Packard Plant Site, City of Detroit—Project director for multi-phase redevelopment of a former automobile manufacturing site. Involved with brownfield redevelopment that includes grant procurement, funding master plans, assessment activities, and remediation strategies, design and implementation.

Project Director; Former McLouth Steel Site, City of Trenton—Project director for redevelopment of former steel mill site. Involved with grant procurement, brownfield redevelopment and funding master plans, assessment activities, remediation strategies and an evaluation of the impact of a Superfund designation on the redevelopment of the site. He is currently responsible for a U.S. Forest Service phytoremediation grant that is being used to evaluate the use of trees as a viable remediation response tool on a large complex industrial site.

Project Manager; Chevy Commons (formerly Chevy in the Hole), City of Flint—Project manager for multi-faceted brownfield redevelopment project at a former 125+ acre industrial complex in downtown Flint, Michigan. Involved in all aspects of Chevy in the Hole, including grant procurement, brownfield redevelopment and funding master plans, negotiations with the EPA, and the Michigan Department of Environmental Quality (MDEQ), remediation selection, and community outreach activities. A number of remediation and redevelopment strategies utilizing multiple funding sources,

AREAS OF SPECIALIZATION

Project Management, Remedial Investigations/Feasibility Studies, Engineering Design, Plans & Specifications, Remedial & Corrective Action Implementation, Brownfield Redevelopment, Demolition & Remediation Oversight, Regulatory Liaison, Community Outreach

including an EPA Brownfield Revolving Loan Fund (RLF) Grant, three U.S. Forest Service phytoremediation grants and an EPA Brownfields Training Grant in conjunction with Mott Community College in Flint have been initiated to first cleanup and develop a green corridor linking downtown that will bring residents to the riverfront via recreational opportunities which, in turn, will attract developers to the area.

Project Manager; Brownfield Assessment & Remediation, Allegan County—Project manager for multiple brownfield sites along the Kalamazoo River, including paper mills, marinas, and manufacturing facilities that have included Phase I and Phase II environmental site assessments (ESAs), cleanup and due care planning, hazardous materials assessments, and demolition activities.

Project Manager; Brownfield Cleanup Projects, Grand Traverse County—Project manager for EPA cleanup funds associated with the Historic Barns property which is a portion of the Grand Traverse Commons brownfield redevelopment site. Cleanup activities included hazardous materials abatement, soil removal and disposal, historic building renovation, storm water management improvements associated contaminated soil removal and recreation trail construction and community outreach.

Project Director/Manager; EPA Brownfield Assessment Grants in Michigan, Wayne, Allegan, Delta, Keweenaw & Ottawa Counties and the Downriver Community Conference—Project manager for multiple Phase I and Phase II ESAs at brownfield sites ranging in complexity from former gas stations to a paper mill.

Project Manager; Indiana EPA Brownfield RLF, City of Goshen—Project manager for key brownfield sites that include the cleanup and redevelopment of a chlorinated solvent release site that has impacted millions of gallons of groundwater beneath the city. A second site includes the reuse of a former junkyard as a stormwater management and park area.

Project Manager; Water Street Redevelopment Project (Clean Michigan Initiative [CMI] Project), City of Ypsilanti—Project manager for a major downtown brownfield redevelopment site in Ypsilanti, Michigan. Project tasks included Phase I/II ESAs; baseline environmental assessments (BEAs); due care investigation/plan; asbestos survey and abatement; engineering design; plans/specifications; contractor evaluation and selection; demolition; contaminated soil excavation, transport, and disposal; brownfield facilitation; and community outreach. These activities were completed by integrating a number of State of Michigan and EPA Brownfield Assessment, Cleanup and RLF Grant and U.S. Housing and Urban Development (HUD) dollars totaling more than \$11 million.

Project Manager; Bioremediation and In Situ Chemical Oxidation of TCE (St. Johns), Federal-Mogul Corporation—Providing project management services for the feasibility study, design, and implementation of a chlorinated solvent (trichloroethylene [TCE]) enhanced bioremediation and bioaugmentation system in St. Johns, Michigan. The goal of the project is to intercept and treat the solvent plume that is migrating offsite utilizing innovative green technologies. After evaluating a number of conventional technologies, in-situ bioremediation was selected to treat the contaminated groundwater. A biobarrier was constructed across the contaminant plume to treat the passing groundwater. Dairy whey is periodically injected into the groundwater to enhance the respiration of TCE by indigenous bacteria and supplemental bacteria transforming the toxic substances to non-toxic end products. Additionally, innovative source area cleanup was completed using chemical oxidation. Highly contaminated source area soils were excavated within a building, treated in a pug mill and returned to the excavation. A no further action letter related to the source area cleanup was issued by the MDEQ.

Project Manager; EPA Brownfield Revolving Loan Fund, Downriver Community Conference, Michigan—Provided third-party oversight for multiple cleanup sites. Oversight activities included compliance with work plans and Davis-Bacon wage requirements and invoice approval consistent with grant work plans and budgets.

Project Manager; Shoemaker Facility, Federal-Mogul Corporation—Provided project management services for the investigation and remediation at an industrial facility built in 1922 in Detroit, Michigan. The Shoemaker facility began manufacturing automobile parts in 1922, just before the rapid expansion of the automobile industry. Ten underground storage tanks (USTs) were removed including the remediation of

affected soils surrounding the UST excavation area. A risk analysis of remaining contamination onsite will determine the need for further response activities. Project tasks include UST registration, removal and disposal oversight, remedial investigation/feasibility study (RI/FS), City of Detroit liaison, and additional soil and excavation water remediation.

Project Manager; River's Edge Development (CMI Project), City of Traverse City—Managed a \$50 million brownfield redevelopment mixed use development project that included Phase I ESAs, Phase II ESAs, baseline environmental assessments (BEAs), due care investigation/plan, riverbank stabilization and river walk construction, demolition, remediation design, implementation and oversight, brownfield facilitation, and community outreach.

Project Manager; Former Crown Vantage Paper Mill (CMI Project), City of Parchment—Managed two concurrent CMI grants to demolish a portion of the paper mill and reuse as much of the demolition debris as part of a commercial redevelopment project. Project tasks included Phase I/II ESAs, BEA, grant acquisition, due care plan, asbestos survey and abatement, plans/specifications, contractor evaluation and selection, demolition, and material handling oversight.

Project Manager; Michigan Tar Lake Superfund Site (EPA Project), Antrim County/Mancelona—Project manager for two EPA site assessment grants (Phase I and II ESAs, due care plans, brownfield plans), technical assistance grants, environmental justice grant, and assisted in helping the community receive a \$6 million emergency water supply grant. The total value of these leveraged funds is more than \$8 million. Managed a community outreach initiative that included high school students and the production of a film that depicts the industrial history, site cleanup, and potential reuses of the Tar Lake Superfund Site. This initiative dramatically improved community involvement in the cleanup and redevelopment process.

Project Manager; Uniroyal Site, City of Detroit—Managed a remedial investigation and focused feasibility study for a +40-acre site located along the Detroit River. On behalf of the city, participated in the review of the proposed interim remedial action plan submitted by the potentially liable party to the MDEQ.

Brownfield Redevelopment Facilitator; Ford Motor Company—Assisted with environmental and economic development activities at the Ford Rouge Plant in Dearborn, Michigan. Activities were instrumental in Ford Motor Company's overall receipt of a \$30 million economic retention and stimulus package.

Program Manager; Multiple Projects, Consumers Power Company—Program manager for petroleum release sites company-wide. Responsibilities included regulatory reporting, investigation, feasibility studies, remedial alternatives analysis and selection, plans and specifications, contractor selection,

remediation oversight, operation and maintenance oversight,
and site closure.

SCOTT D. JOHNSON, CHMM, LEED®AP

Senior Scientist III

Education

M.S., *Environmental Quality Science*—University of Alaska, 1995

B.S., *Biology*—Central Michigan University, 1989

Registrations

Leadership in Energy & Environmental Design, Accredited Professional

Certified Hazardous Materials Manager No. 12528

Mr. Johnson has more than 20 years of experience in the environmental consulting field, and an additional four years of analytical chemistry laboratory experience. He has performed and managed hundreds of Phase I and II environmental site assessments; baseline environmental assessments; environmental health and safety compliance evaluations and audits; spill prevention, control, and countermeasure plans; stormwater pollution prevention plans; Superfund Amendments and Reauthorization Act reporting, and underground storage tank and leaking underground storage tank investigations throughout the United States and world. He has managed EHS staff for more than a decade. Mr. Johnson has also served as client manager for a number of major multi-national manufacturing and chemical-pharmaceutical corporations and government agencies.

Project Manager; Due Diligence and Compliance Services, AECOM Corporation—Managed due diligence and compliance services for Michigan offices. Managed/performed approximately \$1.5 to 2 million in environmental due diligence and compliance services annually. Responsible for contract negotiation, proposal preparation, subcontractor procurement, staffing, field investigations, regulatory agency interaction, report preparation, invoicing, and monthly project status reporting.

Global Client Account Manager; Multiple Due Diligence Projects, Ford Motor Company/Ford Motor Credit Corporation (FMCC)—Managed and provided project and administration oversight for numerous Phase I and II environmental site assessments (ESAs) at Ford automotive dealerships throughout the United States. Responsibilities included proposal preparation, subcontractor procurement, field investigations, regulatory agency inquiries, report preparation, and invoicing. Typically conducted 25 to 40 Phase I ESAs and 10 to 20 Phase II ESAs for FMCC. Facilitated and coordinated corporate resources in servicing Ford Motor Company to include environmental (site investigation, compliance, remediation), engineering and construction, decommissioning, and demolition needs globally.

Global Client Account Manager; Federal-Mogul Corporation—Managed and provided project and administration oversight for various due diligence assessments, compliance evaluations, and investigation and remediation projects at Federal-Mogul facilities worldwide. Responsibilities included proposal preparation, subcontractor procurement, field investigations, interaction with regulatory agencies, report preparation, invoicing and monthly subcontractor procurement,

AREAS OF SPECIALIZATION

Phase I & II ESAs, BEAs, SPCC Plans, UST/LUST Investigations, Environmental Health & Safety (EHS) Compliance Evaluations & Audits

project field investigations, interaction with regulatory agencies, invoicing, and monthly project status reporting. Projects involved multi-site merger and acquisition transactions; facility spill prevention, control, and countermeasure (SPCC) plan preparations; air and wastewater permitting; RCRA facility investigations; underground storage tank (UST) investigations; environmental health and safety (EHS) compliance audits; deposition assessment/modeling investigations, and indoor air quality evaluations/assessments.

Project Manager; Environmental Compliance Audits, Federal-Mogul Corporation, Europe—Managed Federal-Mogul's European EHS compliance audit program. Identified corporate EHS audit personnel, facilitated communications between local Federal-Mogul facility and corporate European EHS auditors, coordinated communications with Federal-Mogul headquarters, reviewed audit reports, and prepared monthly invoices and project status reports.

Project Manager; RCRA Site Investigation and Closure, Federal-Mogul—Managed RCRA site investigation and closure monitoring and reporting activities in association with chlorinated solvent plume in fractured limestone bedrock in Blacksburg, Virginia. Managed local corporate staff, reviewed reports to submit to the Virginia Department of Environmental Quality (VDEQ), and prepared monthly invoices and project status reports to Federal-Mogul EHS management personnel.

Project Manager; Environmental Due Diligence Assessments (EDDAs), Federal-Mogul, World-wide—Managed and coordinated two separate multi-site (50 and 80 site portfolios) EDDAs of Federal-Mogul acquisition targets with global facility footprints.

Global Client Account Manager; Flint Group—Managed and provided project and administration oversight for various compliance evaluations, and investigation and remediation projects at Flint Group (formerly Flint Ink) facilities worldwide. Responsibilities included proposal preparation, coordination of corporate personnel, subcontractor procurement, field investigations, interactions with regulatory agencies, report preparation/review, invoicing, and annual project status reporting. Projects involved RCRA facility investigations and closures, facility SPCC plan preparations, air and wastewater permitting, UST investigations/closures, aquifer assessments/evaluations, and EHS compliance audits.

Project Manager; Multi-Site EDDAs, Flint Group—Managed and performed/coordinated EDDAs of all Flint Group owned and leased facilities world-wide (275 sites) as part of potential pre-divestiture activities. Provided EDDA updates of entire portfolio on two subsequent occasions.

Client Manager; Global EHS Compliance Audit Program, Cooper Standard Automotive—Managed Cooper's global EHS compliance audit program, totaling an average of 12 to 18 facilities per year, globally. Responsible for proposal and cost estimate preparations, identification of local corporate EHS auditors, coordination with local Cooper Standard facility and corporate EHS management, EHS audit report review, project management, and invoicing.

Client Manager; Multiple Due Diligence and SPCC Projects, Denso Corporation—Proposed on, conducted, and managed Phase I and II ESAs, SPCC plan development/updates, and limited compliance evaluations at Denso facilities throughout the United States.

Project Manager; Facility EHS Reviews, Denso Corporation Montgomery—Managed performance and conducted review of EHS reviews of specialty foods preparation facilities acquired by Denso in Montgomery, Alabama, and Des Moines, Iowa. Identified applicable EHS regulations, necessary reporting requirements, and provided EHS training to onsite personnel.

Project Manager; Sandvik Corporation, EHS Services, Sandvik Corporation—Provided and managed turn-key EHS services to Sandvik at its Benton Harbor, Michigan, facility in the form of Phase I/II due diligence, spill cleanup investigation/reporting, SPCC, SARA reporting (Tier II/Form R), and EHS records management training to facility personnel.

Project Manager; Site Investigations, Michigan Department of Environmental Quality—Conducted Part 201 site investigations and Part 213 leaking underground storage tank (LUST) site assessment and closure reports. Projects included Part 213 LUST site closures for Consolidated Freightways in Grand Rapids AT&T Corporation in Detroit, and Cardinal Health in Romulus. Prepared Part 201 baseline environmental assessments (BEAs) for various commercial and

industrial clients and real estate development companies throughout Michigan.

Project Manager; Detailed Divestiture Environmental Site Assessments (DDESAs), Pfizer Corporation—Performed DDESAs at three research and development facilities in Kalamazoo, Michigan, for Pfizer Corporation in preparation of potential divestiture. Identified current and potential future environmental impairment, compliance, and liability issues associated with each facility, including evaluation of nuclear facility decommissioning activities.

Project Manager; Pre-acquisition EDDA, Evonik Industries—Managed and performed environmental due diligence (Phase I and II ESAs, asbestos and lead-based paint surveys, and hazardous materials inventory) activities for the potential acquisition of a specialty chemical production facility in Weston, Michigan. Site was under an U.S. Environmental Protection Agency Consent Order for cleanup at the time.

Environmental Services Coordinator (Great Lakes Region); Site Investigations, United States Postal Service (USPS)—Part 201 site investigation, soils management and closure project at Port Huron Carrier Annex Facility. Conducted subsurface soil and groundwater investigations, stockpiled soils management/disposal evaluation assessments, and groundwater and surface water monitoring for Part 201 closure at USPS facility through and post-construction.

Project Manager; Numerous Phase I/II ESAs, Valeo Corporation—Conducted Phase I and II ESA investigations and limited compliance audits at numerous current and projected Valeo facilities throughout Southeast Michigan (Romulus, Highland Park, Auburn Hills, Troy, and Brownstown Township).

Project Manager; Environmental Compliance Evaluations, Numerous Clients—Performed Phase I assessments and limited environmental compliance evaluations of multiple food processing facilities in California, Oregon, and Massachusetts, as well as a printed circuit board manufacturing facility in Maryland, two clothing manufacturing facilities in Georgia, and a large specialty chemicals facility in Pennsylvania. Responsibilities included: evaluation of facility compliance with respect to associated laws and regulations related to hazardous waste generation and disposal; process wastewater treatment and disposal; hazardous substance inventory storage, handling, and reporting; air emissions; asbestos and lead surveys/abatement; underground and aboveground storage tank operations/maintenance; regulatory agency inspections/notices of violations, and incident/release reporting and mitigation.

Project Manager; Environmental Impairment Liability Assessments, Kemper Insurance Company—Performed environmental impairment liability (EIL) assessments at various manufacturing/processing facilities for Kemper Insurance Company. Conducted EIL audits of cement manufacturing/storage facility in Pennsylvania and food

product processing facility in Massachusetts for major environmental insurance company.

Project Manager; Compliance Evaluation, Arkema Chemical Corporation—Conducted detailed Phase I ESA and compliance evaluation for large specialty chemical production facility in Riverview, Michigan. Project involved identification of significant environmental liabilities and associated material investigation/remediation estimates.

Project Manager; Integrated Contingency Plan (ICP) and Phase I ESA, Arkema Chemical Corporation—Managed preparation of ICP for large chemical production facility in Grand Rapids, Michigan. Also managed Phase I ESA activities at this site prior to acquisition of adjacent parcel of land.

Project Manager; Phase I/II ESA and Limited Compliance Evaluation, Campbell's Soup Company—Proposed on, performed, and managed Phase I/II ESA and limited compliance evaluation activities at a soup production facility in Marshall, Michigan, prior to divestiture.

Project Manager; Multi-Site EDDA and Compliance Evaluations, Post Foods—Managed Phase I ESA and EHS applicability reviews at multiple Post Foods facilities in Texas, Georgia, and Washington.

Project Manager; Plant Decommissioning Plan, Post Foods—Managed preparation of a decommissioning plan for large cereal production facility in Modesto, California.

Project Manager; Environmental Oversight, Low Enterprises—Provided environmental oversight activities during multi-million-dollar construction of the American Legion headquarters facility in downtown Washington, D.C. Responsibilities included various tasks to ensure construction contractor adherence to work plans with respect to site environmental concerns, including excavation monitoring and soil and groundwater management/monitoring.

Client Manager; Phase I/II ESAs, American Red Cross—Managed and performed approximately 40 Phase I and II ESAs annually, including asbestos, lead, and radon surveys. Responsibilities included proposal preparation, subcontractor procurement, field investigations, interaction with regulatory agencies, report preparation, invoicing, and monthly project status reporting. Identified potential liability issues and developed further investigation alternatives (Phase II) to evaluate significant risks.

Project Manager; Phase I, II and III Investigations, Retail Sales Complex—Managed and performed Phase I, II, and III investigations at a former dry cleaning facility associated with a retail sales complex in Alexandria, Virginia. Identified historic perchloroethylene (PCE) soil and groundwater contamination using truck-mounted and remote access Geoprobe® subsurface sampling equipment. Phase II and III subsurface investigations included direct push soil and groundwater sampling, and

groundwater monitoring well installations. Surveyed groundwater monitoring well elevations to determine groundwater flow gradient. Delineated horizontal and vertical contamination extent both within and outside the former dry cleaning facility. Assisted in evaluating remediation alternatives and associated costs, as well as inclusion in the Virginia Voluntary Cleanup Program.

Project Manager; Phase I and II Investigations, Gasoline Station—Managed and performed Phase I and II investigation activities at a former gasoline station in Philadelphia, Pennsylvania. Identified potential for contamination from former onsite and offsite petroleum service stations and developed plan for subsurface investigations. Managed Phase II investigations, which included a geophysical survey, Geoprobe® direct push soil sampling, and piezometer installation and groundwater sampling.

Project Manager; Shopping Center Site Contamination, WestGroup, LLC—Guided a large shopping center property in Alexandria, Virginia, (PCE contamination from dry cleaners) through the VDEQ Voluntary Remediation Program.

Project Manager; UST Removal Oversight, CB Richard Ellis—Performed UST removal oversight and release investigations in Hauppauge, New York, and Washington, D.C.

Project Manager; Environmental Due Diligence Documentation, Kemper Insurance—Performed reviews of environmental due diligence documentation for several project sites across the United States. Assisted major environmental insurance company with risk assessment of portfolio as part of insurance underwriting process.

Project Manager; Asbestos Hazardous Emergency Response Act (AHERA) and Non-AHERA Inspection/Abatement Surveys, American Red Cross—Performed both AHERA and non-AHERA asbestos inspection/abatement surveys on various multi-use facilities throughout the United States.

DIRK S. MAMMEN, ESQ.
Principal Scientist

Education

J.D., Law—Detroit College of Law, 1996
B.S., Geological Sciences—Michigan State University, 1984

Registrations

State Bar of Michigan (P51219)
OSHA HAZWOPER 40-hour and 8-hour refresher training
Hazardous Waste Operations Supervisors and Managers Certificate
Sanitary Landfill Design Certificate
Asbestos Awareness Program Certificate No. 189-2

Dirk Mammen, Esq. is an accomplished scientist and licensed attorney having nearly 30 years of experience in the performance, coordination, and management of environmental assessment and compliance projects throughout the United States. Included among these has been work performed on behalf of the Wayne County Airport Authority at both Detroit Metro and Willow Run airports, where, since 2004, Mr. Mammen has served as the authority's principal point of contact for underground storage tank (UST) removal, spill response, assessment and compliance evaluations, drum identification and removal, and remediation of surface fuel spills, to name a few. Mr. Mammen also offers extensive experience managing a wide variety of real estate transactional due diligence assessments and ensuring compliance with the ASTM standard for environmental site assessments (ESAs) and the All Appropriate Inquiry Rule issued under the Comprehensive Environmental Response, Compensation, and Liability Act. Mr. Mammen's legal training and research skills positions him well for due diligence evaluations, evidence and document management, and risk management activities, and his expertise has been utilized in the quality assurance/quality control of hundreds of Phase I ESAs prepared on behalf of developers, communities, regulatory agencies and industrial clients nation-wide.

Project Director; Environmental Site Assessments, Various Clients—Coordinated, managed, or performed more than 1,400 ESAs for lending institutions, law firms, private industry, municipal organizations, construction developers, and private interests. Sites include vacant properties, manufacturing and industrial facilities, small to very large commercial buildings, landfill and dump sites, municipal garages, and other UST and hazardous material sites. Sites are located throughout the United States, primarily in the Midwest, upper Midwest, and Rocky Mountain regions.

Project Director; Large Scale Due Diligence Assessment, Chevron U.S.A., Inc.—Designed, coordinated, and implemented a specialized due diligence assessment process in support of a large-scale property and asset transfer, including the potential transfer of more than 60 natural gas production facilities and 1,800 natural gas wells across Michigan. Evaluation activities included site visual inspections, detailed spill history reviews, and extensive environmental database compilation.

Project Director; Demolition Assessment and Environmental Services, Wayne County Airport Authority—Directed and managed the environmental

AREAS OF SPECIALIZATION

Geology, Hydrogeology, Soils Contamination Assessments, Groundwater Monitoring & Contaminant Assessments, Environmental Site Assessments, Property Acquisition/Transfer Environmental Management and Risk Management, Underground Storage Tank Closure & Remediation Investigations, Project Management

assessment and hazardous materials management processes associated with the abatement and demolition of select buildings at Detroit Metropolitan Airport. Activities included the presentation of detailed facility inspections, the preparation of abatement and demolition specifications, assistance with the demolition contractor bidding and selection process, and the performance of demolition monitoring and dust control activities.

Project Scientist; 10 Mile Drain Investigation & Remediation, Macomb County Public Works Office—Completed detailed environmental assessment activity and in-depth historical research investigation to evaluate historical and current sources of polychlorinated biphenyl (PCB) materials impacting the drain system. Performed an investigation of the 10 Mile Drain storm sewer to characterize the nature and extent of PCB contamination. The investigation consisted of soil boring placement and soil sample collection in areas immediately adjacent to the drain system, as well as stormwater and sediment monitoring within the sewer, a corridor survey (aerial photograph, interviews of local residents and historic land use review) to determine the potential source of the contamination, and an inspection of the sewer condition using closed circuit televising.

Project Scientist; Environmental Services, Wayne County Airport Authority—Performed, coordinated, and/or managed numerous environmental assessment or environmental compliance projects at both Detroit Metro Airport and Willow Run Airport, including UST removal, spill response, assessment or compliance evaluations and miscellaneous drum

identification and removal actions. Performed remediation activity associated with surface fuel spills and subsurface release during new terminal construction activity resulting from historical hydrant fuel system.

Project Manager; Bulk Oil Terminal Release and Site Reconstruction, Knight Enterprises/Delta Fuels—

Managed all environmental assessment, remediation, and compliance issues resulting from a 100,000-gallon gasoline overflow event, impacting both an on- and offsite area in Toledo, Ohio. Site involved federal and state regulatory action. The secondary containment system was replaced with approximately 3,000 linear feet of high-density polyethylene liner. Managed and designed the construction and permitting for an onsite water treatment and remediation system. Provided regulatory compliance assistance, including the preparation and implementation of treatment, storage, and disposal facility closure plan; spill prevention, control, and countermeasure plan; and facility response plan.

Project Scientist; Due Diligence Manager, ITC

(International Transmission)—Managed and completed all land acquisition projects related to electric utility expansion throughout the Midwest (Michigan, Iowa, Kansas, and Minnesota), including Phase I/II ESAs, baseline environmental assessments (BEAs), and Transaction Screen Plans (TSP) on a variety of sites, both active electrical utility sites and undeveloped acreage. Included corridor study assessment activity, detailed title work review, and significant area-wide impact investigations.

Project Scientist; Brownfield Redevelopment Authority, Various Michigan Counties—Performed site investigations, due diligence services, due care analyses, and other assessment services for numerous municipal brownfield redevelopment authorities throughout the lower and upper peninsulas of Michigan. Sites included manufacturing facilities, an abandoned paper production site, a power plant property, and landfill property. Facilitated Michigan Department of Environmental Quality (MDEQ) negotiated no further action (NFA) under the due care process.

Project Manager; Transformer Release and Remediation, Federal Aviation Authority—

Responded to the release of transformer oil to the ground surface and subsurface as a result of vandalism at Detroit Metro Airport. Provided site assessment, soil and water remediation, and risk assessment activities. Coordinated the assessment, removal, and appropriate disposal of the electrical equipment and completed PCB risk evaluation. Presented closure documentation to the local, state, and federal regulatory agencies involved with the project.

Project Scientist; Manufactured Gas Plant (MGP) Site Assessment and Risk Evaluation, Michigan Consolidated Gas Company—Performed site investigations, exposure evaluations, and risk assessments at former MGPs as part of a complex effort to implement a plan for the investigation of 23

sites located throughout Michigan. The plan is designed to meet the company's obligations under Michigan's requirements to diligently pursue response activities. Conducted records searches and other information gathering; prepared site summary reports; prioritized all 23 for further investigation; provided oversight of a Geoprobe investigation at 9 of the 23 sites; and formulated a plan, including a budget and schedule, for response activities at all 23 sites.

Project Director; Large-Scale Area Wide Phase I ESAs,

Various Clients—Completed six large-scale area wide Phase I ESAs on specific residential housing redevelopment areas in Detroit, Michigan. Each area wide assessment involved the potential acquisition of 80 to 230 vacated residential lots within certain redevelopment neighborhoods. The area wide assessment approach involved the historical and regulatory evaluation of all properties within a specific grid or block area, followed by an individual assessment of each acquisition parcel in relation to the environmental conditions of the area. A review of all available historical documentation was performed, including Sanborn fire insurance maps, historical aerial photographs, street index directories, Federal Emergency Management Agency flood zone maps, zoning documentation, building, assessment, and fire department records, and specific title documentation. Assisted with parcel identification and quality of title issues, with all parcels having been or slated to be reverted to City of Detroit ownership. Compiled comprehensive assessment reports for each assessment area, including detailed maps and parcel summaries. Prepared all applicable Michigan State Housing Development Authority (MSHDA) applications and environmental documentation for submittal. The projects were completed on time to conform to MSHDA deadlines and within budget.

Project Director/Manager; Phase II ESA Activity, Various

Clients—Coordinated, managed, or performed more than 600 Phase II ESAs onsite throughout the Midwest, including industrial and commercial properties, residential properties, and rails-to-trails corridors. Sites ranged in size from very small lots to large acreage developments. Chemical impacts evaluated include petroleum products, solvents and various dense non-aqueous phase liquid (DNAPLs), PCBs, and various metals. Completed baseline environmental assessments on numerous Michigan sites.

Project Manager; Site Characterization and Investigation, Remedial Investigation/Feasibility Study (RI/FS);

Property Developer (Confidential Client)—Managed and performed site investigation, RI/FS, and remedial design activities on a former solvent recycling and treatment, storage and disposal RCRA facility. Soil and groundwater impacts evaluated, with on- and offsite risk assessment.

Project Director; Site Characterization and Investigation, Remediation and Site Closure; Ryder Truck Rental, Inc.—Managed or performed all phases of site investigation activities for petroleum-related contamination at numerous Midwest locations. Activities included feasibility analysis, and remedial

CRAIG A. SAVAGE, CPG

Senior Scientist III

Education

M.S., Geology—University of Nebraska, 1989
B.S., Geology—State University of New York—Binghamton, 1982

Registrations

Certified Professional Geologist, Michigan No. 8052
Professional Geologist, Kentucky No. 113498

Mr. Savage has extensive experience working as a professional hydrogeologist in the areas of water supply development, in-ground waste water disposal, water resource protection, and environmental remediation. His experience includes management of projects conducted under a variety of state and federal environmental and water resource regulations for both public and private sector clients. Mr. Savage has conducted, CERCLA/RCRA site investigation, underground storage tank closures, aquifer pumping tests and capacity analyses, groundwater resource investigations, supply-well designs and permitting, groundwater discharge permitting, wellhead protection area delineations, groundwater modeling and computer data analyses.

Project Manager; Arenac County Land Bank Property, Michigan Department of Environmental Quality-Remediation & Redevelopment Division (MDEQ-RRD)—Delineated the extent of petroleum contaminants at a former gasoline retail station located in Turner, Michigan, evaluated human health and environmental risks associated with the site, and prepared a feasibility study recommending options for remediating the site. Building demolition and excavation of contaminated soil recommended to return this property to a useful purpose.

Project Manager; Caro Center Store/Warehouse Caro, Michigan, Michigan Department of Management & Budget—Completed remedial investigation of soil and groundwater contamination associated with a former gasoline underground storage tank (UST). Evaluated the remaining risks using the risk-based corrective action (RBCA) process, prepared a leaking underground storage tank (LUST) closure report, and submitted it to the MDEQ to complete environmental site obligations.

Project Hydrogeologist; Brandon Hydrogeological Study and Groundwater Monitoring, Brandon Public Schools—Prepared work plans and assisted with implementation of work to investigate groundwater quality impacts associated with wastewater treatment plant (WWTP) discharges to groundwater through rapid infiltration basins. The investigation was mandated by the MDEQ to determine whether chloride, sodium, arsenic, and other chemicals identified in groundwater monitoring well and nearby residential supply wells were related to the WWTP discharge.

Project Manager; Preliminary Site Assessments, Michigan Department of Transportation (MDOT)—Advanced soil borings at scheduled MDOT road/bridge construction sites to identify soil and groundwater contaminants prior to starting

AREAS OF SPECIALIZATION

State and Federal Regulations, Permitting,
Remedial Investigations, Feasibility Studies,
CERCLA/RCRA Site Investigations, UST
Closure, Groundwater Modeling, Hydrological
Studies

work. Findings were used to assess potential risks to construction personnel and to determine soil and water management/disposal options during excavation and construction activities.

Project Manager; Voluntary Cleanup Program (VCP) Investigation, Scotch Gulf Lumber Company, Mobile, Alabama—Investigation to delineate metals and hydrocarbon contaminant of concerns (COCs) at a 100-year-old lumber mill. The assessment was complicated by adjacent residential subdivisions and surface water bodies. Extensive areas of fill were identified that originated from another contaminated site. Alternatives presented included institutional controls and limited hot spot remediation.

Project Manager; Various locations, Grand Rapids District, MDEQ-RRD—Performed preliminary subsurface investigations at 18 potentially contaminated UST sites under the MDEQ state-wide expanded environmental triage contract. Worked under very limited schedules and budgets to collect data and conduct assessments of each site to assist the MDEQ with prioritizing the agency's efforts for future work.

Project Manager; Moore's Millwood Station, MDEQ-RRD—Delineated the extent and monitored the advancement of a groundwater contaminant plume emanating from a former gasoline station. The gas station was no longer present and the site occupied by a restaurant. Light non-aqueous phase liquid (LNAPL) was still present in onsite monitoring wells and the plume extended toward the City of Kalamazoo, Michigan water supply well field. The scope of work involved installing groundwater monitoring wells across a large area and conducting quarterly sampling to demonstrate the plume's stability.

Project Manager; Schoolcraft Area Organics Remedy, MDEQ-RRD—Prepared contractor specifications to demolish two buildings associated with a large-scale groundwater

remediation operation, and oversaw contractors during the demolition work. One building housed a large-scale bio-curtain remediation system and the other an air stripping system with a 40-foot-tall air stripping tower. The scope also included abandonment of one hundred 90-foot-deep extraction/reinjection wells. All facilities were removed to a depth of four feet (below plow depth) to allow the property to return to agricultural use.

Project Manager; Schaefer Highway Depot, Detroit Department of Transportation and MDEQ—Conducted subsurface investigation to characterize the extents of LNAPL and soil and groundwater contamination at an active City of Detroit bus depot. Performed a surface geophysical survey to identify underground utilities, and advanced 32 soil borings to collect soil and groundwater samples for analyzing petroleum compounds. Sub-slab soil sampling activities were also conducted to evaluate volatilization to indoor air inhalation risks. The data was used to prepare a feasibility study for the city and MDEQ, outlining options for remediating the site.

Project Manager; Former Sinclair Site and McDougall Street Site, South Haven and Detroit, Michigan, MDEQ-RRD—Delineated the extent of contaminated soil at two former gasoline retail stations, prepared specification packages for contractors, and conducted remediation via excavation at each site. The projects were funded through the American Recovery and Reinvestment Act (ARRA) and involved reporting to the state and federal government on the project status for each site. The excavations removed the majority of contaminated soil and resulted in a full closure at one site and a partial closure at the other, allowing the property owners to redevelop both sites for beneficial uses.

Project Manager; Dunk's Garage in Ubly, Michigan, MDEQ-RRD—Installed, operated, and maintained a soil vapor extraction (SVE) system at a LUST site. The site formerly contained LNAPLs (petroleum) and is up-gradient from a municipal well and a surface stream, making it a high priority site for the state.

Project Manager; Gazey-Aleck Site, Beaverton, Michigan, MDEQ-RRD—Conducted an assessment of and excavation and limited *in situ* chemical oxidation remedial action at a former LUST site. The site was adjacent to a large surface water body with potential ecological exposure risks. The lake had been drained shortly after the excavation, making the assessment more difficult as contaminated water dropped and rose again through the fluctuating smear zone. The MDEQ requested evaluations of additional measures, including *in situ* chemical oxidation (ISCO) in the saturated zone, and monitoring offshore sediment pore water at expected groundwater discharge points. Additional data was obtained using newly placed monitoring wells and pore water samples 15 to 20 feet into the lake to complete the characterization of the groundwater and surface water impacts. The data conclusively proved that petroleum hydrocarbons were venting to the lake via groundwater venting.

Project Manager; Capitol Complex Motor Pool Garage, Lansing, Michigan, DTMB—Completed remedial investigation of soil and groundwater and closure of a LUST in a difficult location. The USTs were in the basement level of a parking garage, with no more than 6.5 feet of overhead clearance. The limited clearance required specialty equipment and manual techniques to obtain soil samples to characterize the site and implement the UST closures. The site characterization was completed and the USTs were closed in-place by filling with flowable fill from the street level.

Project Manager; Former Clark Store #768, Albion, Michigan, MDEQ-RRD—Delineated the extent of LNAPL at a former gasoline retail station using light induced fluorescence (LIF)/ultraviolet optical screening tool (UVOST) technologies, Sudan IV oil-shaker test kits, and analytical laboratory evaluation. The data was used to evaluate remaining risks associated with the site and prepare a focused feasibility study with recommended options for remediating the site.

Project Manager; Speedy's Gas & Goodies, New Boston, Michigan, MDEQ-RRD—Determined whether groundwater contaminants associated with an active gasoline retail station were entering adjacent storm drains and discharging to the Huron River. Collected groundwater and stormwater samples for evaluation, mapped the storm sewer, and prepared a focused feasibility study to select alternatives to prevent illicit discharges to surface water via the stormwater system.

Project Manager; Rudell Real Estate Site, Hartford, Michigan, MDEQ-RRD—Delineated the extent of contaminated soil and groundwater at a former gasoline retail station, conducted geotechnical drilling to determine soil strength characteristics, prepared specifications for construction bidders, and conducted remediation through excavation. The excavation removed the majority of contaminated soil and allowed a restricted closure at the site, allowing the property owner to redevelop the site as a restaurant.

Project Manager; Former Clark Store 1126 and Former Total Station, South Haven and Belleville, Michigan, MDEQ-RRD—Conducted a limited file review and subsurface investigations, prepared contractor bidding specifications for demolishing the existing canopies and pump islands, removed USTs, and excavated contaminated soils in areas with high residual contamination. Work was completed, allowing restricted closures of both sites and productive repurposing of the properties.

Project Manager; Alamo General Store Kalamazoo, Michigan, MDEQ-RRD—Monitored LNAPL at a former gasoline retail facility, conducted enhanced free product recovery events, and conducted a soil gas survey over a several-square-block area to evaluate indoor air inhalation risks to nearby residents.

Project Manager; Fulton Sunoco Site, Fulton, Michigan, MDEQ-RRD—Performed a limited excavation of the former

USTs and contaminated soils and post-excavation assessment to evaluate residual risks. Assessment involved conducting sub-slab soil gas sampling to determine whether the residual soil contaminants posed a risk to adjacent property users.

Project Manager; Microbiological Assessment and Supply Well Replacement, Missouri Confidential Bottled Water Producer—Identified sources of turbidity and coliform bacteria that suddenly began affecting routine water quality samples at a spring source for bottled water. Conducted contaminant source inventory and inspected source area for direct entry points for precipitation to enter the fractured rock aquifer system. Identified area of partial collapse of the karst fracture system, which allowed surface soil and bacteria to enter the aquifer during heavy rains. Replaced the spring collection boxes with a well, conducted pumping tests to evaluate sustainable yield. Collected groundwater and surface water samples, and conducted chlorine tracer tests to demonstrate a hydraulic connection to the spring. Prepared reports to obtain a permit from the state of Missouri to operate the well as bottled spring water source without the turbidity and bacteria Issues.

Project Manager; Wellhead Protection Area Update, City of Chelsea—Updated a 30 groundwater flow and particle tracking model to revise a wellhead protection area delineation for the city. The update was necessary to incorporate changes in well usage related to well replacement. A report documenting the changes and revisions to the wellhead protection area was submitted to and approved by the MDEQ drinking water division.

Project Manager; Groundwater Investigation 753rd Radar Station, U.S. Army Corp of Engineers (USACE), Sault St. Marie, Michigan—Prepared scope of work, schedule, and cost estimates for conducting deep drilling, vertical aquifer profiling, and monitoring well installation to delineate volatile organic compounds (VOCs) and volatile organic aromatics (VOAs) contamination at a former Air Force radar station. Completed a project field sampling work plan, project site safety and health plan, and project quality assurance project plan for conducting the investigation, and obtained approval from the USACE to conduct the work activities. The investigation was part of a larger investigation being conducted by others under a separate contract.

Project Manager; Four Nike Missile Base Sites Detroit, Romulus, Southfield, and Marine City, Michigan, USACE—Conducted Freedom of Information Act (FOIA) requests at numerous state and local government agencies, and conducted a review of identified materials related to environmental conditions at four former Nike Missile bases in southeast Michigan. The FOIA reviews were to support the preparation of preliminary assessments (under CERCLA) for each site. The preliminary assessments were completed for PARS Environmental, Inc., who held the contract with the USACE.

Senior Geologist; Supply Well Abandonment Wright Patterson Air Force Base, Dayton, Ohio, U.S. Air Force/USACE—Conducted the proper abandonment of two former water supply wells discovered during other construction activities at Wright T Patterson Air Force Base. Duties involved evaluating work plans, conducting meetings with the USACE and the project team, and working with contractors to ensure the work plan was properly implemented. The work was conducted through Labat Environmental Inc., who held the contract with the USACE.

Project Manager; Sediment Investigation and Remediation, Confidential Automotive Supplier—Collected sediment samples from the channel of an open ditch containing Therminol 59 hydraulic oil released to a storm sewer system following a plant explosion and fire in Battle Creek, Michigan. Identified the vertical and horizontal extent of semi volatile organic compounds (SVOCs) in sediment and provided recommendations for corrective action in a feasibility study. Prepared bid specifications for contractors, performed wetland area delineation, and prepared an inland streams and lakes permit before completing sediment excavation remedy and obtaining closure for the channel cleanup.

Senior Hydrogeologist; Hydrogeological Conceptual Model Development at Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA) Site, DaimlerChrysler Corporation—Developed a conceptual model for a complex groundwater flow system adjacent to wetlands and surface water bodies in Rose Township, Michigan. Investigation included profiling deep boring vertical aquifers. Also conducted groundwater pumping tests, computer modeling, and evaluated system effectiveness for 5-year review with U.S. Environmental Protection Agency (USEPA) and MDEQ.

Project Manager; Property Transaction Phase II ESAs Michigan, Ohio, Illinois, Iowa, and West Virginia, Whirlpool Corporation—Collected soil and groundwater samples at multiple properties to assess potential environmental concerns identified during Phase I ESAs. Data was used to assist with property acquisition decisions and/or determine reserves to address liability abatement. The projects were completed within short time frames using local contractors and staff.

Project Manager; Soil Assessment and RCRA Unit Closure, Napoleon, Ohio, Campbell's Soup Company—Conducted initial soil screening investigations to determine whether former land use practices caused soil contamination at the site. Conducted additional characterization studies using expedited site investigation techniques to delineate and characterize waste residues identified near a former dumping area. Completed a RCRA closure plan and remediation feasibility study for site closure, and implemented corrective actions using excavation and onsite treatment by thermal desorption and offsite disposal at a licensed waste handling facility.

Project Manager; Contaminated Soil and Groundwater Investigation in Whitmore Lake, Michigan, Confidential Automotive Supplier—Conducted a subsurface investigation to delineate a trichloroethylene plume and identify source areas for completing a remedial action plan. Worked with the client, state regulatory agency, and property owner to identify additional source areas and develop acceptable scope of work and options for corrective measures and determine acceptable water sources for the site.

Project Manager; Groundwater Resource Assessment Texas, Confidential Bottled Water Producer—Conducted a water resource investigation to evaluate and develop a spring supply source. Conducted exploratory drilling; aquifer pumping tests; well capacity evaluations; and final well design, permitting, and installation for public water-supply wells for bottled water use. Also conducted groundwater quality analyses to demonstrate hydraulic connections to springs.

Project Manager; Chlorinated Hydrocarbon Groundwater Plume Investigation Wyoming, Michigan, Delphi Corporation—Managed a multiphase investigation to identify area of concerns (AOCs) related to Resource Conservation and Recovery Act (RCRA) units and determine the nature and extent of identified releases. Investigations included horizontal and vertical delineation of VOCs dissolved in groundwater and extending under an adjacent residential area, RCRA closure of a large stormwater retention basin, closure of other RCRA storage units, and risk evaluations and focused feasibility studies to evaluate and select options for interim remedial measures. Installed groundwater capture system to effect hydraulic controls and provided technical support and consulting advice to the client's legal counsel in relation to a class-action lawsuit associated with offsite groundwater contamination.

Senior Hydrogeologist; Chlorinated Hydrocarbon Plume Investigation Flint, Michigan, Delphi Corporation—Oversaw multiphase investigation to determine the nature and extent of a chlorinated volatile organic compounds groundwater plume under multiple industrial properties. The investigation included the delineation of VOCs distributed in two separate, but connected, aquifer systems and field tests to evaluate options for interim remedial measures.

Project Manager; Vinyl Chloride Study in Roseville, Michigan, Forest City Enterprises—Conducted an investigation to identify the extent of vinyl chloride in deep groundwater wells identified during compliance monitoring activities and verify soil remediation effectiveness. Conducted monitored natural attenuation sampling and other biochemical evaluations to prepare a work plan for an enhanced bioremediation corrective action.

Senior Hydrogeologist; Soil and Groundwater Investigation, Bronson, Michigan, Scott Fetzer, Inc.—Prepared scope of work and oversaw soil investigation and vertical aquifer profiling at a former industrial property identified by the USEPA as a potential source in a regional

CERCLA groundwater cleanup action. Reviewed reports by other potentially responsible parties (PRPs) and provided technical advice to client's legal team to negotiate a scope of work acceptable to the client, the USEPA, and the MDEQ.

Project Manager; Aquifer Evaluation, Jackson, Michigan Confidential Bottled Water Producer—Performed aquifer testing to determine sustainable yield for a new large-capacity well. Managed the installation of a new supply well, prepared documents to verify the aquifer was a spring source, and obtained a permit from the state of Michigan to operate the facility for public water supply production. Installed automated water-level gauging equipment and other apparatus to allow long-term monitoring of the well field. Prepared geological and engineering documents to help client obtain certification to sell bottled water from this location in the state of New York. Also conducted hydraulic and groundwater chemistry studies to verify the sources of bottled water could be classified as a spring per federal regulations. Performed microbiological source water assessments to demonstrate source wells were not under the direct Influence of surface water or susceptible to surface contamination.

Project Manager; Groundwater Remediation Rock, Michigan, Delta County Road Commission—Conducted a remedial investigation and feasibility study and developed a remedial action plan for a gasoline release from leaking underground storage tanks (LUSTs). Gasoline entered a fractured dolomite aquifer and contaminated numerous private supply wells. Site characterization involved surface-cased drilling, surface and down-hole geophysical surveys, soil gas surveys, and indoor vapor monitoring. Installed a free product recovery system and total fluids extraction system, and wrote an ordinance to provide an institutional control on drinking water wells.

Facility Project Manager; Remedial Investigation, Former Petrolane Manufactured Coal-Gas Production (MGP), City of Petoskey—Conducted a remedial investigation at a former MGP facility in accordance with CERCLA guidelines. The site was located near two of the city's public water supply wells and was adjacent to the Little Traverse Bay, in Michigan. Contaminants of concern included volatile organic aromatics (VOAs), polynuclear aromatics (PNAs), VOCs, metals, cyanide compounds, phenols, and nitrogen-containing organics. Excavation and remediation was undertaken by the MDEQ based on information provided from the investigation.

Senior Hydrogeologist; Manistique Landfill Leachate Plume Investigation, City of Manistique—Developed a scope of work for investigating the extent of a leachate plume associated with a closed landfill in Michigan. Groundwater was at 45 feet below ground surface and migrated toward Lake Charlevoix through a permeable sand and gravel unit. The investigation involved extensive drilling, hydrogeological tests, and surface water/ groundwater sampling.

Senior Hydrogeologist Dockside Market, Groundwater Remediation, Beaver Island, Michigan, MDEQ-RRD—Evaluated operation and effectiveness of an MDEQ-operated groundwater remediation system associated with a LUST release on the shoreline of Lake Michigan. Prepared a work plan and directed activities associated with the replacement of a plugged groundwater recovery well. Conducted a pumping test to determine groundwater flow characteristics and well capture area, and designed modifications to the existing remediation system to accelerate cleanup.

Project Manager; Soil & Groundwater Study Michigan City, Michigan, ADCO Products—Investigated aromatic and chlorinated hydrocarbons in soil and groundwater between an industrial plant and a sensitive waterway. Used approximately 50 direct push probes to characterize and screen soils, as well as collect soil and groundwater samples to determine the nature and extent of petroleum, solvent, and metal contamination.

Senior Hydrogeologist; Groundwater Study in Lansing, Michigan, W.R. Grace, Inc.—Assisted PRP with a CERCLA investigation related to ammonia contamination within Lansing's primary drinking water aquifer. Used packers and submersible pumps to collect groundwater samples from discrete-depth intervals from within municipal wells completed in fractured bedrock. Data was used to negotiate a scope of work and determine costs for investigation activities with the USEPA and the MDEQ, and later as backup for negotiations with other PRPs for cost sharing.

Project Manager; Chloride Remedial Investigations Genoa and Oceola Townships—Conducted extensive remedial investigations at three sewage treatment plants using rapid infiltration basins operating under groundwater discharge permits. Chloride and sodium concentrations in groundwater exceeded regulatory limits, necessitating investigation activities under state-directed consent orders. The investigations included deep borings with vertical chemical profiling, monitoring well installation, aquifer testing, and offsite plume tracking. The extent of chloride in groundwater was delineated to the MDEQ's satisfaction, and the source was abated by redirection of softener backwash to dispersed dry wells.

Senior Hydrogeologist; Well Field Study, City of Brighton, Michigan—Conducted hydrogeological investigation to select a new well site and evaluate the safe yield for a new supply well at the Chalice Road well field. The new well ultimately yielded 1,800 gpm. The investigation included a 72-hour pumping test and preliminary contaminant source Inventory for incorporating into the wellhead protection plan.

Senior Hydrogeologist; New Well Field Development, City of Petoskey, Michigan—Conducted a hydrogeological study to identify a usable aquifer in a previously undeveloped deep limestone formation. Identified a high-yield production zone with good quality water at depths of 300 to 400 feet. Installed test wells, conducted down-hole geophysical logging, and conducted several long duration pumping tests to evaluate

surface water interaction with the wells. Completed a contaminant source inventory and initiated wellhead protection area delineation for the new well field.

Project Manager; Michigan Contaminant Inventory, City of Milan—Obtained existing well performance and geological data, and conducted a contaminant source inventory for use with a wellhead protection plan. Additional well testing and aquifer modeling were used to complete the wellhead protection area delineation.

Senior Hydrogeologist; Well Field Study & Permit, City of Bessemer—Identified site for a new production well in a previously undeveloped fluvial aquifer system. Conducted a preliminary contaminant source inventory and developed well construction specifications based on geological research and well log evaluations. Negotiated a work plan with the MDEQ to evaluate aquifer safe yield. The new production well was subjected to a 30-day pumping test and extensive hydrogeological evaluation to prove sustainability, and was permitted based on study findings.

Senior Hydrogeologist; Aquifer Testing, Genoa Township—Conducted investigation to identify potential aquifer materials and locate a test well for potential water system development. Conducted a contaminant source inventory to place the new well away from known sources of contamination. The test well supplied more water than expected and provided the township with leverage for negotiating favorable conditions with outside water providers.

Project Manager; Water Withdrawal Impact Assessment Homestead Development, Inc.—Assisted a private developer with well location, aquifer testing, and water quality evaluations. Addressed concerns of the MDEQ and local residents of Holly, Michigan, relating to the effect of the new well on a nearby landfill and on local private household well yields.

Project Manager; Wellhead Protection Area Delineation Village of Manchester, Michigan—Performed field tests and regional water-level measurements to delineate the village's wellhead protection area. Helped the village complete a potential contaminant source inventory and update its water supply contingency plan.

Senior Hydrogeologist; Ave Maria International Golf Club Aquifer Capacity Study Domino's, Inc. Ann Arbor Township, Michigan, Domino's, Inc.—Conducted investigation to determine aquifer capacity and potential well interference effects associated with proposed development of a golf course and housing development. Study convinced the township board that the golf course development could be completed with no adverse environmental or hydrogeological effects resulting from the development's water use. The project was later abandoned and moved to Florida due to local political opposition.

Project Manager; Contaminated Soil Excavation, Monogram Metals, Inc.—Conducted a subsurface soil and groundwater investigation in Byesville, Ohio to characterize chromium contaminated soils, recommend corrective action, and submit a final report to the Ohio Environmental Protection Agency recommending remediation by excavation.

Senior Hydrogeologist; Groundwater Control Study, Gaylord, Michigan, Trout Unlimited and Au Sable Anglers Association—Worked with client to provide controls on proposed golf Trout Unlimited and Au Sable Anglers Association course and residential development to protect sensitive fisheries in the Au Sable River. Studies were conducted to assist regulators, LUG, and the developer to agree to specific controls on runoff and groundwater that would be implemented to protect nearby sensitive trout ecosystems.

RYAN P. HIGUCHI
Senior Associate Scientist III

Education

B.S., *Environmental Studies and Applications*—Michigan State University, 1999
C.A., *Landscape Horticulture*—Oakland Community College, 2010

Registrations

Stormwater Construction Site Operator training, Michigan Department of Environmental Quality (MDEQ)
Stormwater Industrial Site Operator training, MDEQ
OSHA HAZWOPER 40-hour and 8-hour refresher training
Urban Land Institute—Member & Larson Leadership Initiative Graduate
Basic Wetland Delineation training
Certified, Mine Safety and Health Act training
Basic First Aid—Certified
Hydrogen Sulfide Safety—Certified

Ryan Higuchi has more than 17 years' experience in environmental consulting. During this period, he has been engaged on a wide array of projects and developed a working knowledge of multiple disciplines, such as brownfield redevelopment, site remediation, natural resource management and restoration, and environmental planning and permitting. Serving clients in both the public and private sectors, he has closely worked with county and municipal governments, area brownfield authorities, non-profit organizations, private developers, the Michigan Department of Environmental Quality (MDEQ), and the U.S. Environmental Protection Agency (EPA), among others.

With his ongoing involvement in multidisciplinary, innovative projects, he has led and assisted projects of varying complexities related to brownfields, stormwater management, green infrastructure, environmental planning, natural resources management, and municipal separate storm sewer system (MS4) permitting/compliance. As a result of this experience, Mr. Higuchi has been able to identify funding options for several clients, having secured more than \$4.1 million in federal and state grants over the last three years.

Project Manager; Brownfield Redevelopment Assessment, Detroit-Wayne County Brownfield Coalition—Provided management oversight for the coalition that includes the Detroit Brownfield Redevelopment Authority, the Wayne County Brownfield Redevelopment Authority, and the Detroit-Wayne County Port Authority. As the primary client contact, tasks included management of federal grants, project scoping, quarterly reporting, grant administration, and community engagement. Also prepared grant applications for additional brownfield related funds.

Project Manager; Packard Plant, Arte Express Detroit, LLC—Assisted the client as part of a consultant team to redevelop the historic Packard Plant in Detroit, Michigan. Tasks include due diligence activities, application of development tax incentives, applying for local and state funding, and serving as the primary client contact. Assisted the client with their successful application for funding through the Wayne County Revolving Loan Fund and the Detroit Brownfield Redevelopment Authority, which was awarded.

AREAS OF SPECIALIZATION

Brownfield Redevelopment, Due Diligence Activities, Development Tax Incentives, MS4 Stormwater Compliance, Illicit Discharge Investigations, Landscape Design, Habitat Restoration, Soil Erosion & Sedimentation Control, Aquatic Ecology, Grant Writing

Project Manager; Due Diligence Activities, Numerous Clients—Managed and prepared Phase I and II environmental site assessments (ESAs), baseline environmental assessments (BEAs), and documentation of due care compliance for several industrial properties in Detroit in support of property acquisition and redevelopment.

Project Manager; McLouth Steel Phytoremediation Project, City of Trenton—Assisted the client in preparing a \$150,000 U.S. Forest Service phytoremediation grant for the City of Trenton, Michigan, which was awarded. Scoped and managed the project intended to remediate toxic substances in the soil and groundwater at the former McLouth Steel site. Project tasks included a soil bench test measuring the effectiveness of several soil additives, site design includes the use of Michigan native trees in contaminated areas of the site, and project construction. Also responsible for grant administration, reporting, and project monitoring, including tree tissue, soil, and groundwater sampling.

Project Scientist; Chevy Commons, City of Flint—Provided assistance to implement and monitor the remediation of toxic substances in soil and groundwater at a former industrial site, using phytoremediation. Coordinated the planting of Michigan native trees in areas contaminated with organic compounds and metals where the tree root systems will uptake toxic substances. Monitoring efforts include construction oversight and tree tissue and groundwater sampling.

Project Manager; Due Diligence Activities, Downriver Community Conference—Managed and prepared due diligence-related assessments, including Phase I and II ESAs, BEAs, documentation of due care compliance, and hazardous materials surveys, as assigned by the client.

Project Scientist; EPA Brownfield Assessment Grants, Numerous Clients—Assisted in the preparation of multiple EPA Brownfield Assessment Grant applications for the Village of Douglas, the City of Trenton, Delta, Benzie, Allegan, and Wayne counties, Michigan. Awarded funds are primarily used to perform Phase I and II ESAs, due care, and brownfield planning projects.

Project Scientist; Brownfield Redevelopment Assessment, Ottawa County Brownfield Redevelopment Authority—Conducted Phase I and II ESAs for several sites in Ottawa County, and prepared sampling analysis and health and safety plans in support of field investigations. Phase I and II investigations were structured around the planned future reuse of the property and to provide a comprehensive site analysis to prospective developers prior to their purchase of the property.

Project Scientist; Historic Barns Park Redevelopment, Traverse City and Garfield Township Recreational Authority—Prepared the analysis of brownfield clean-up alternatives and community relations plan in support of EPA-funded remediation efforts at the historical Barns Park in Garfield Township, Michigan. Efforts included asbestos and lead-based paint abatement and removal of contaminated soils.

Field Analyst; Lake Sediment Sampling, Numerous Clients—Conducted sediment sampling to assess the potential presence of contaminants in support of dredging activities for projects on Lake St. Clair in Macomb County, Michigan, White Lake in Oakland County, Michigan, and the St. Joseph River in Berrien County. Sediment samples were collected by boat using a using an Ogeechee sampler.

Field Analyst; Groundwater Monitoring and Soil Investigative Activities, Consumers Energy—Conducted quarterly and semi-annual groundwater monitoring and sampling events at former manufactured gas sites in Charlotte and Alpena, Michigan, in support of delineating impacted soils for future cleanup. Assisted with technical reporting and preparation of site diagrams and analytical tables.

Field Analyst; Groundwater Contamination Investigation, Federal Mogul—Collected groundwater samples in an ongoing effort to monitor groundwater contamination in an area previously impacted by an underground storage tank at the facility in Southfield, Michigan

Field Analyst; Free Product Monitoring, University of Michigan—Assisted with the collection of free-product and quarterly groundwater measurements at a vehicle maintenance facility in Ann Arbor, Michigan.

Field Technician; Soil Vapor and Groundwater Sampling, University of Michigan—Assisted with the collection of groundwater and soil vapor samples at an industrial facility in Ann Arbor, Michigan.

Project Scientist; Brownfield Redevelopment Assessment, Allegan County Brownfield Redevelopment Authority—Planned and assisted with Phase I and Phase II investigations of recognized environmental concerns for several sites in Allegan County structured around the planned future reuse of the property and to provide a comprehensive site analysis to prospective developers prior to their purchase of the property.

Field Technician; National Pollutant Discharge Elimination System (NPDES) Permit Compliance, Holcim—Conducted weekly, monthly, and quarterly water sampling in support of NPDES permit compliance activities at the mining facility in Dundee, Michigan.

Project Manager; NPDES MS4 Permit Application Preparation and Compliance, Numerous Clients—Prepared NPDES permit applications for MS4 permits that included the preparation of the permit application, assessment of municipal properties to minimize contamination of stormwater, geographic information system (GIS) mapping, and the development standard operating procedures. The permit application mandates the creation of an enforcement response procedure, a public participation plan, a public education program (PEP), an illicit discharge and elimination program, a soil erosion and sedimentation control program, a post-construction stormwater management program, a pollution prevention and good housekeeping program, and a total maximum daily load (TMDL) implementation program. Compliance activities included the planning of public outreach activities, storm sewer investigations, regulatory reporting, and MDEQ audit support. Clients included the Alliance of Rouge Communities; Henry Ford College; the cities of Sylvan Lake, Rochester, Garden City, Rockwood, Novi, and St. Clair; Orchard Lake Village, St. Clair County, the Village of Romeo, Independence Township, and Bloomfield Township, Michigan.

Field Analyst; Wayne Road Dam Removal Project, City of Wayne—Conducted fisheries monitoring and flow measurements on the Rouge River in the City of Wayne, Michigan. Monitoring included fish collection using an electric boom-shocker and fyke nets, and the measurement of flow velocities upstream and downstream of the dam location before and after the removal of a dam structure in an effort to restore natural stream morphology and aquatic habitat. This project was funded under the Great Lakes Restoration Initiative (GLRI).

Field Analyst; Sterling Island Restoration, City of Monroe—Conducted preliminary project monitoring of the fisheries at Sterling Island on the River Raisin in Monroe, Michigan. Monitoring included fish collection using an electric boom-shocker and fyke nets, to provide a baseline of field conditions before the reconstruction of shoreline using several