

April 8, 2010

BN015317.0016

Robert W. Hare, P.E., CHMM
Director, Environmental
Motors Liquidation Company
500 Renaissance Drive, Suite 1400
Detroit, Michigan 48243

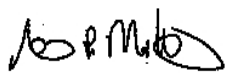
Subject: Phase I Environmental Site Assessment
MLC ID 1195
General Motors Powertrain (GMPT) - Livonia
12200 Middlebelt Road
Livonia, Michigan 48150

Dear Mr. Hare:

Attached is the Phase I Environmental Site Assessment (ESA) report for the above-referenced property. The conclusions presented in this report are based on the results of a reconnaissance-level site visit conducted by ARCADIS U.S., Inc. (ARCADIS) personnel and a review of available and pertinent background information.

ARCADIS appreciates this opportunity to provide our environmental consulting services to you. If you have any questions concerning this project, please contact me at (781) 356-7300.

Sincerely,



Stephen P. McCarthy
Principal Scientist

Attachments

**Phase I Environmental Site Assessment
MLC ID 1195
General Motors Powertrain (GMPT) - Livonia
12200 Middlebelt
Livonia, Michigan 48150**

**April 8, 2010
ARCADIS Project No. BN015317.0016**

Prepared for
Motors Liquidation Company
500 Renaissance Drive, Suite 1400
Detroit, Michigan 48243

Prepared by
ARCADIS U.S, Inc.
194 Forbes Road
Braintree, Massachusetts 02184
www.arcadis-us.com

The environmental assessment described herein was conducted by the undersigned, of ARCADIS U.S., Inc. (ARCADIS). ARCADIS' investigation consisted solely of the activities described in the Introduction of this report, in accordance with ARCADIS Proposal No. P10-05008-09-718, and is subject to the Terms and Conditions of the Standard Consulting Services Agreement signed prior to initiation of the assessment.

Report Prepared By:



Moriah Bloom
Environmental Specialist II

Report Reviewed By:



For

Brad Saunders, P.E.
Principal Engineer

EXECUTIVE SUMMARY

ARCADIS U.S., Inc. (ARCADIS) performed a Phase I Environmental Site Assessment (ESA) of the General Motors Powertrain (GMPT) property located at 12200 Middlebelt Road, Livonia, Wayne County, Michigan (the Site). The purpose of the Phase I ESA was to identify, to the extent feasible pursuant to the processes prescribed in the American Society for Testing and Materials (ASTM) document E 1527-05, recognized environmental conditions (RECs) in connection with the Site.

The Site consists of 36.48 acres of land according to the City of Livonia. The Site is improved with an approximately 1,258,000-square-foot industrial building that houses the GMPT-Livonia Plant. Additional buildings located at the Site include a wastewater treatment plant (WWTP) and air compressor building. There is also a substation leased and operated by DTE Energy located on the northeast portion of the Site. Site activities currently include the manufacturing and assembly of engines.

According to historical resources reviewed, the Site was improved with the original Plant in 1971 and operated as Livonia Machining (the southwest portion of the current plant facility). In 1983, a building was added to the northwest portion of the Site. In 1984, there was a large expansion to the machining plant for engine production and assembly as well as a warehousing area. The City of Livonia General Property Information website lists the Site's owner as General Motors Corporation. General Motors Corporation changed its name to Motors Liquidation Company.

The Site is located in a mixed residential/commercial/industrial area. The Site is bordered on the north by the CSX tracks, beyond which exist commercial properties. Site is bordered to the east and south by a residential and commercial area. The Site is bordered on the west by a City of Livonia Fire Station and Middlebelt Road. Beyond Middlebelt Road, to the west, is a Ford Parts Distribution facility.

ARCADIS performed the Phase I ESA in conformance with the scope and limitations of ASTM Practice E 1527-05 of the GMPT property located at 12200 Middlebelt Road, Livonia, Michigan. Any exceptions to, or deletions from, this practice are described in Section 9 of this report. This assessment has revealed the following RECs associated with the Site:

- On-site operations and activities associated with engine manufacturing and assembly activities from 1971 to the present primarily involved wet machining. Based on information obtained from interviews with the Site representatives, former plant operations and activities also previously included plating operations from 1971 to the early 1990s, isocyanate impregnation, small-scale degreasing activities, and painting. Management practices and the integrity of structures associated with on-site usage, storage and waste generation of petroleum products, solvents, and other hazardous materials associated with these operations and activities cannot be confirmed during the period of operation.

- The status of a 100-gallon paint retention underground storage tank (UST) is unknown. The UST was used in case of a fire in the paint storage building. Based on documents reviewed at the Michigan DNRE, it appears that the UST was located under the Paint Storage Building and is still in the ground. Review of Site drawings and interviews with Site personnel did not reveal the location of the Paint Storage Building. The status of a 750-gallon oil UST is also unknown. The 750-gallon oil UST was installed in 1970 on the north side of the main building according to records obtained from the Livonia Fire Department. It is unclear whether this UST was removed from the ground. The Site and Michigan DNRE did not maintain records of this UST.
- ARCADIS' review of historical aerial photographs and topographic maps, revealed that a series of railroad spurs extending from the north-adjacent railroad tracks were formerly located on the Site. The railroad spurs entered the Site from the northeast and extended north-south across the eastern portion of the Site to the plant facility. Interviews indicated that machined metal chips were formerly stored and transported off-site in rail cars. In addition, the potential exists for other materials to have been loaded/unloaded at the Site and transported on the spurs. Potential impacts from releases associated with these activities is unknown. In addition, railroad ties were typically preserved with creosote, which over time has the potential for impacting the surrounding surfaces.
- Five 39,851-gallon tank and one 40,422-gallon tank in the WWTP on the base floor are considered aboveground storage tanks (ASTs); however, due to construction and configuration, it was not possible to inspect the tanks for integrity as the bottom of the ASTs also act as the foundation of the WWTP. Three tanks contain used machine coolant and the other three tanks are empty (formerly contained spent coolant). The ASTs are constructed of concrete and are not double-walled. These tanks have not been required to be registered and have no leak detection.
- The following describe below-grade sumps, flumes, or otherwise drainage areas at the Site where the current and historic integrity of structures could not be confirmed:
- Sumps associated with each machining line – The manufacturing portion of the Site plant has multiple industrial machines and equipment that house large volumes of coolant as a part of the operational process. These machines are situated in areas engineered to capture coolant that may be spilled and/or transfer coolant to the respective galleries for processing. The engineering controls in place include a 2-inch by 3-inch drain surrounding the perimeter of the machining areas, and a sump to collect the drainage from the perimeter drain. According to information obtained from interviews, Site reconnaissance observations, and from Site drawings, the perimeter drains are concrete lined, covered with a grate and are engineered to slope towards a sump located at the lowest corner of the drainage system. Based on ARCADIS' review of the Site drawings, it appears there are six sumps associated with the machining line and Coolant Galleries. There is one in each coolant gallery and one associated with each machining area.

- Flumes – A series of below-grade flumes transfer coolant pumped from sump pumps in the machining lines to one of three Coolant Galleries for processing. The flumes are constructed of steel and are enclosed in concrete. Once pumped, the coolant travels via gravity through the flumes to the coolant galleries to the equipment. The slope of the flumes varies from a 1/8 inch slope per foot to a 1/2 inch slope per foot depending on the area of the flume.
- Sumps in WWTP – Three sumps exist in the WWTP basement. The sumps located in the WWTP collect drainage and pump it back into the WWTP intake. According to Site personnel, much of the drainage collected is groundwater which infiltrates into the WWTP basement and sumps.
- Wash pad on north side – Machining and associated equipment is drained and prepped for transportation on the wash pad located on the north side of the WWTP. Some material washing also takes place in this area. Residual staining was observed on the concrete. There was a storm drain situated in the middle of the pad, which discharges back to the WWTP. The concrete was observed to be in fair condition; however, open seams and cracks were also observed.
- Three Coolant Galleries exist in the basement level of the manufacturing building at the Site, primarily below the depth of sumps and flumes. There was evidence of leaking in the Coolant Galleries at the time of the Site reconnaissance, as oil stains were observed on the walls and floors of two of the three coolant galleries. The staining was black and extended from the floor level down an approximately 20 foot wall to the basement floor surface. Interviews with Site personnel confirmed knowledge of the leakage of oily water into the Galleries.

Other Environmental Concerns:

- The City of Livonia Fire Station #4, located adjacent to the Site to the west, had a Leaking Underground Storage Tank (LUST) incident which was reported on May 28, 1996. Diesel fuel was released from the tank (Leak Number: C-0339-96). Samples were collected May 28, 1996 through June 11, 1996, and submitted for laboratory analysis of the applicable constituents. The Traverse Group submitted a closure report to the Michigan DNRE (formally MDEQ) on June, 21, 1996 for release ID C-0339-96. Michigan DNRE issued a closure letter with no institutional controls on July 8, 1996 for the LUST Incident C-0339-96. There are currently no USTs on this property.
- There was significant rust staining on the east side of the WWTP. Equipment such as dumpsters, empty drums, and containers were being stored in this area. The staining appeared to be confined to the concrete, which was observed to be in fair condition at the time of the Site reconnaissance.

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- A User Questionnaire
- B Historical Research Documentation
- C EDR Radius Map Report
- D Photograph Log
- E Qualifications of Environmental Professionals

1.0 INTRODUCTION

ARCADIS U.S., Inc. (ARCADIS) performed a Phase I Environmental Site Assessment (ESA) of the General Motors Powertrain (GMPT) property located at 12200 Middlebelt Road, Livonia, Wayne County, Michigan (the “Site”). The Site consists of approximately 36.48 acres of land according to the City of Livonia. The Site is improved with an approximately 1,258,000 square-foot industrial building that houses the General Motors Powertrain plant. There is also a wastewater treatment plant (WWTP), DTE electrical substation, and Air Compressor building located on the northeast side of the Site.

1.1 Purpose

Motors Liquidation Company (the Client) requested that ARCADIS conduct a Phase I ESA of the Site. The objective of the ESA was to identify RECs in connection with the property, to the extent feasible pursuant to the processes prescribed in American Society for Testing and Materials (ASTM) E 1527-05 guidelines. The term “REC” as defined by the ASTM is the presence or likely presence of any hazardous substances or petroleum products on a property under conditions that indicate an existing release, a past release, or the material threat of a release of any hazardous substances or petroleum products into structures on the property or into the ground, groundwater, or surface water of the property. The term includes hazardous substances or petroleum products even under conditions in compliance with laws. The term is not intended to include de minimis conditions that generally do not present a material risk of harm to public 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.

This Phase I ESA includes information gathered from federal, state, and local agencies; personal interviews with people familiar with the Site and surrounding properties; and a Site visit conducted by a ARCADIS representative.

1.2 Detailed Scope of Services

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

- a reconnaissance-level visit of the Site to look for evidence of the release(s) of hazardous materials and petroleum products and to assess the potential for on-site releases of hazardous materials and petroleum products
- drive-by observations of adjacent properties and the Site vicinity
- interviews with people familiar with the Site, as available
- review of regulatory and local agency files, as necessary

- review of historical documents, as available
- preparation of a report presenting our findings, including a summary of conclusions and recommendations

1.3 Significant Assumptions

The purpose of this Phase I ESA is to provide appropriate inquiry into the previous ownership and use of the Site consistent with good commercial and customary practice in an effort to minimize liability. ARCADIS also assumes that the information provided by the Client, the regulatory database provider, and regulatory agencies is true and reliable.

1.4 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 ARCADIS and the original 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. To the extent that ARCADIS relied upon any information prepared by other parties not under contract to ARCADIS, ARCADIS makes no representation as to the accuracy or completeness of such information. Only the party for whom this report was originally prepared, its lenders, insurers and professionals, and other specifically named parties, may make use of and rely upon the information in this report, in its entirety, for a period not to exceed 180 days in accordance with the American Society for Testing and Materials (ASTM's) "Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process" ASTM Designation E 1527-00 dated May 10, 2000, ASTM's "Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process" ASTM Designation E 1527-05 dated November 1, 2005, and/or the Code of Federal Regulations (CFR) 40 CFR Part 312 "Standards and Practices for All Appropriate Inquiries: Final Rule" dated November 1, 2005. After 180 days and prior to using the information contained herein, the report should be updated in accordance with ASTM Standards and Federal regulations.

The findings presented in this report apply solely to Site conditions existing at the time when ARCADIS' assessment was performed. It must be recognized, however, that an ESA is intended for the purpose of evaluating 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 project Site may vary from those at the locations where data were collected. ARCADIS' ability to interpret investigation results is related to the availability of the data and the extent of the investigation activities. As such, 100% confidence in ESA conclusions cannot reasonably be achieved

ARCADIS, therefore, does not provide any guarantees, certifications, or warranties (express or implied) 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 all applicable laws, codes, regulations, or standards.

1.5 User Reliance

This report is for the exclusive use of Motors Liquidation Company. Use of this report by any other party shall be at such party's sole risk.

2.0 SITE DESCRIPTION

2.1 Location and Legal Description

The Site is located at 12200 Middlebelt Road, Livonia, Wayne County, Michigan. Based on information obtained from the City of Livonia General Property Information, the Site is identified by Parcel ID 099-99-0001-001 and legal description is as follows: 25J1—Q122 PART OF THE SW ¼ SEC 25 T1S R9E BEG DUE S 49.50FT AND S89DEG 27M 40S E 105FT FROM THE W ¼ COR OF SEC 25 TH S89DEG 27M 40S E 1873.73FT THE SO2DEG 49M 27S W 237.36FT TH N87DEG 13M 27S W 661.60FT TH S0DEG 19M 20S W 1036.10FT TH N89DEG 54M 10S W 1262.39FT TH N0DEG 33M 50S E 502.85FT TH S89DEG 38M 20S E 300FT TH N0DEG 33M 50S E 249.95FT TH S89DEG 38M 20S E 93.50FT TH N0DEG 33M 50S E 249.95FT TH S89DEG 47M W 368.55FT TH N04DEG 35M 45S E 285.13FT POB 36.48 AC.

Refer to Figure 1 for the location of the Site.

2.2 Site and Vicinity General Characteristics

The Site is a generally square-shaped tract of land that is situated in a mixed industrial/commercial/residential area to the east side of Middlebelt Road between Industrial Road and Plymouth Road, in Wayne County, Michigan.

The Site is bordered on the north by the CSX Railroad tracks. Commercial property is located beyond the railroad tracks to the north. The Site is bordered to the east and south by a residential and commercial area. The Site is bordered on the west by City of Livonia Fire Station and Middlebelt Road. Beyond Middlebelt Road, to the west, is an industrial property.

2.3 Current Use of the Site

Site activities primarily include the manufacturing and assembly of engines. Production is scheduled to stop in June 2010, and decommissioning is scheduled to be completed in September 2010.

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

The Site is occupied by a 1,258,000-square foot building that houses Livonia Engine. Buildings include the engine plant, wastewater treatment plant (WWTP), and Air Compressor building. An electrical substation is located on the northeast side of the Site. The substation is leased and operated by DTE Energy.

Primary driving access to the Site is via Middlebelt Road through a main entrance at the southwest side of the Site. Access to the Site is restricted by a chain link fence.

The Site is connected to the municipal sewer and water utilities as well as DTE Energy for electricity, and Consumers Power Company for natural gas.

Refer to Figure 2 for a plan depicting the layout of the Site.

2.4.1 Source of Potable Water

The City of Livonia Municipal Water Department provides drinking water to the Site.

2.4.2 Sewage Disposal System

The Site is serviced by the City of Livonia Municipal Water Department. Sanitary wastewater and pretreated process wastewater from the WWTP drain to the City of Livonia.

Stormwater from the main plant building, roof and surrounding area discharges through outfall STO-001. Outfall STO-001 leads to the municipal storm sewer system at Middlebelt Road. Storm water from the WWTP and surrounding area discharges to a storm sewer and outfall STO-002, located south of the main building and adjacent to Camden Road. The municipal storm sewer system discharges to the Shaw Drain. The Shaw Drain drains to the Rouge River. All other storm drains and interior building drains go to the WWTP which treats the intake and discharges to the municipal system.

2.4.3 Heating/Cooling Systems

The building is heated by 20 stationary natural gas-fired heaters situated throughout the building at the Site. There is a boiler located in the upper portion of the building and small fixed furnaces in the office areas. There are package, split systems, and chillers used for cooling.

2.4.4 Solid Waste Disposal

In office areas and maintenance areas, trash is collected in cans by housekeeping personnel as needed. On the plant floor, there are yellow bins which are also collected by housekeeping personnel as needed. There is one 85 yard trash compactor at the dock near the WWTP. There is a 40 yard open top roll-off that is stored behind the WWTP where trash is also accumulated. Waste Management rents/supplies the compactor and open top roll-off to GM. Upon becoming full, GM contacts Waste Management who hauls the trash to Covanta as part of GM's landfill free initiative.

2.5 Current Uses of Adjoining Properties

The use of the adjoining properties at the time of ARCADIS' investigation is summarized as follows:

- The Site is abutted to the north by the CSX Railroad tracks. Meijer (13000 Middlebelt Road) and the Millennium Park Shopping Center (13464 Middlebelt Road) are located north of the railroad tracks.
- The Site is abutted to the east and southeast by Mac Press & Machinery (12447 Hartel Street), Roush Industries (28400 Plymouth Road) and residential properties.
- The Site is abutted to the south by Motor City Quick Lube (11900 Middlebelt Road), McDonalds (11800 Middlebelt Road), and Office Depot (29264-29398 Plymouth Road). Residential properties are also located south of the Site.
- The Site is abutted on the west by the City of Livonia Fire Station #4 (12300 Middlebelt road) and Middlebelt Road. Beyond Middlebelt Road, to the west, is a Ford Parts Distribution Warehouse (29500 Plymouth Road).

3.0 USER-PROVIDED INFORMATION

The following items regarding the Site were requested by ARCADIS to the Client's representative. The questionnaire was sent to Mr. Robert Hare, the MLC Project Manager for the facility. The completed questionnaire has not yet been received. A copy of the User Questionnaire will be provided in Appendix A.

3.1 Title Records

Title records were not provided to ARCADIS for review.

3.2 Environmental Liens or Activity and Use Limitations

Mr. Bob Hare was asked the following questions as part of the assessment:

- Is he aware of any environmental cleanup liens against the property that are filed or recorded under federal, tribal, state, or local law? **Answer:** Unknown
- Is he aware of any activity or land use limitations, such as engineering controls, land use restrictions, or institutional controls, that are in place at the Site and/or have been filed or recorded in a registry under federal, tribal, state, or local law? **Answer:** Unknown

3.3 Specialized Knowledge

Mr. Bob Hare was asked the following questions as part of the assessment:

- Do they have any specialized knowledge or experience related to the property or nearby properties? For example, are they involved in the same line of business as the current or former occupants of the property or an adjoining property so that they would have specialized knowledge of the chemicals and processes used by this type of business? **Answer:** No
- Are they aware of commonly known or reasonably ascertainable information about the property that would help the environmental professional to identify conditions indicative of releases or threatened releases?
- Do they know the past uses of the property? **Answer:** Yes. Wet machining operations with sumps and pits.
- Do they know of specific chemicals that are present or once were present at the property? **Answer:** Unknown
- Do they know of spills or other chemical releases that have taken place at the property? **Answer:** Unknown
- Do they know of any environmental cleanups that have taken place at the property? **Answer:** Unknown
- Do they know if any fill materials have been imported to the Site? **Answer:** Unknown
- Do they know of any pending, threatened, or past litigation relevant to hazardous substances or petroleum products in, on, or from the property? **Answer:** Unknown
- Do they know of any pending, threatened, or past administrative proceedings relevant to hazardous substances or petroleum products in, on, or from the property? **Answer:** Unknown
- Do they 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? **Answer:** Unknown

3.4 Commonly Known or Reasonably Ascertainable Information

Mr. Hare was asked the following question as part of the assessment:

- Based on your knowledge and experience related to the property, are there any obvious indicators that point to the presence or likely presence of contamination at the property? **Answer:** Unknown

3.5 Valuation Reduction for Environmental Issues

An analysis of a hypothetical prospective purchase price of the Site has not been conducted.

3.6 Owner, Property Manager, and Occupant Information

According to the City of Livonia General Property Information website, the owner is listed as General Motors Corporation. General Motors Corporation changed its name to Motors Liquidation Company.

3.7 Reason for Performing Phase I

The purpose of this Phase I ESA is to provide appropriate inquiry into the previous ownership and use of the Site consistent with good commercial and customary practice in an effort to minimize liability.

4.0 RECORDS REVIEW

The following sections provide information regarding the regulatory status and history of the Site and vicinity developed from information available from local, state and federal agencies and ASTM Standard Historical Sources. It also provides topographic, hydrologic and soil conditions in the area of the Site.

4.1 Historical Use Information

4.1.1 Previous Environmental Reports

Previous environmental reports obtained from the Site included:

- Site Assessment Related to Underground Storage Tank Removal, Buick-Oldsmobile-Cadillac (BOC) Powertrain – Livonia Engine, completed by The Avendt Group, Inc. Engineers and Scientists dated October 1989.
- Initial Abatement Steps as Follow-up to a Confirmed Regulated Substance Release, Livonia Engine Plant, completed by GM Engine Division dated January 1991.

- Site Assessment for UST Nos. 4, 5, 6, and 7 Removal, Powertrain Division Livonia Engine Plant, completed by The Chester Engineers dated February 1991
- Work Plan for Hydrogeological Site Investigation in the Area of USTs 1, 2, 4, 5, 6, 7, Powertrain Division Livonia Engine Plant, completed by The Chester Engineers dated May 1991.
- Leaking Underground Storage Tank Closure Report, the City of Livonia Fire Station #4, completed by The Traverse Group dated June 1996.
- Leaking Underground Storage Tank Closure Report, Powertrain Division Livonia Engine Plant, completed by The Traverse Group dated August 1996

The following table summarizes the UST and associated LUST incidents identified in the above listed reports. Additional details on the respective reports are discussed in detail below.

Tank ID	Capacity (gallons)	Description	Contents	Installation Date	Removal Date
1	10,000	Fiberglass Reinforced Plastic	Diesel	5/1/1984	5/17/1989
<u>Remediation Summary:</u> Location: Northeast outer edge of main building Removal Activities: UST was removed in 1989. Samples of soil surrounding the UST were taken. The TPH content in the soil surrounding the UST was approximately equal to background concentrations according to The Avenet Group, Inc. Soil Sampling and Analysis Results for Underground Storage Tank Removal report dated June 29, 1989. The report concluded that the UST did not leak or cause environmental contamination due to the low levels of TPH. Note: The EDR report lists the removal date as 9/30/1990. However, documents from the Site and the Michigan DNRE note the removal date as 5/17/1989.					
2	20,000	Fiberglass Reinforced Plastic	Gasoline	5/1/1980	4/25/1996
<u>Remediation Summary:</u> Location: Northeast outer edge of main building Removal Activities: UST was removed in 1996 along with UST ID 3. No visual or olfactory evidence of a release was observed at the time of removal according to the UST Closure document dated August 23, 1996. A release was reported on September 4, 1990 during the installation of a new catch basin in the vicinity of the 20,000-gallon Gasoline and 4,000-gallon spill retention USTs (C-1682-90). According to the UST Closure document, field observations identified the point of release as the tank gauging port for the 20,000-gallon gasoline UST. From 1990 and 1996, the surrounding soil and groundwater was sampled and analyzed. According to the Closure Report less than 10 cubic yards was removed/excavated. Water from the PVC sampling tube was periodically pumped from the immediate backfill to the on-wit wastewater pretreatment facility beginning on September 4, 1990. A sample was collected from the tube and analyzed for BTEX following each pumping episode. The dewatering was stopped after December 21, 1990, when non-detect results were observed. Confirmatory samples collected on April, 25 and 26, 1996, and submitted for laboratory analysis of the applicable constituents.					

Tank ID	Capacity (gallons)	Description	Contents	Installation Date	Removal Date
Based on the laboratory results, The Traverse Group submitted a closure report to the MDEQ on August, 23, 1996 (received August 26, 1996) for release ID C-1682-90. MDEQ issued a closure letter on October 25, 1996 for the LUST Incident C-1682-90.					
3	4,000	Fiberglass Reinforced Plastic	Gasoline	Unknown	4/25/1996
<u>Remediation Summary:</u> Location: Northeast outer edge of main building (adjacent to 20,000-gallon gasoline UST) Removal Activities: UST was removed in 1996 along with UST ID 2 according to UST Closure document dated August 23, 1996. No visual or olfactory evidence of a release was observed at the time of removal according to the UST Closure document. A release was reported on September 4, 1990 during the installation of a new catch basin in the vicinity of the 20,000-gallon Gasoline and 4,000-gallon spill retention USTs (C-1682-90). According to the UST Closure document, field observations identified the point of release as the tank gauging port for the 20,000-gallon gasoline UST. From 1990 and 1996, the surrounding soil and groundwater was sampled and analyzed. According to the Closure Report less than 10 cubic yards was removed/excavated. Water from the PVC sampling tube was periodically pumped from the immediate backfill to the on-wit wastewater pretreatment facility beginning on September 4, 1990. A sample was collected from the tube and analyzed for BTEX following each pumping episode. The dewatering was stopped after December 21, 1990, when non-detect results were observed. Confirmatory samples collected on April, 25 and 26, 1996, and submitted for laboratory analysis of the applicable constituents. Based on the laboratory results, The Traverse Group submitted a closure report to the MDEQ on August, 23, 1996 (received August 26, 1996) for release ID C-1682-90. MDEQ issued a closure letter on October 25, 1996 for the LUST Incident C-1682-90.					
4	6,000	Fiberglass Reinforced Plastic	Oil	5/1/1980	12/17/1990
<u>Remediation Summary:</u> Location: Northeast corner outside of main building (north of 10,000-gallon diesel UST) Removal Activities: UST was removed in 1991 along with the other USTs located within this tank farm area (UST ID 5, UST ID 6, and UST ID 7). A release was reported upon the removal of these USTs (C-0027-91). From January to February 1991, the surrounding soil and groundwater was sampled. According to the 45 Day Site Assessment Report dated February 22, 1991, approximately 596 cubic yards of soil was removed and disposed of on January 8, 9, and 10, 1991 as well as February 1, 1991. A Closure Report and Closure letter could not be located for this release. However, the EDR report and Michigan DNRE Leaking Underground Storage Tank database lists the release as closed on October 28, 1996.					
5	4,000	Fiberglass Reinforced Plastic	Oil	5/1/1980	12/17/1990
<u>Remediation Summary:</u> Location: Northeast corner outside of main building (north of 10,000-gallon diesel UST) Removal Activities: UST was removed in 1991 along with the other USTs located within this tank farm area (UST ID 4, UST ID 6, and UST ID 7). A release was reported upon the removal of these USTs (C-0027-91). From January to February 1991, the surrounding soil and groundwater was sampled. According to the 45 Day Site Assessment Report dated February 22, 1991, approximately 596 cubic yards of soil was removed and disposed of on January 8, 9, and 10, 1991 as well as February 1, 1991.					

Tank ID	Capacity (gallons)	Description	Contents	Installation Date	Removal Date
A Closure Report and Closure letter could not be located for this release. However, the EDR report and Michigan DNRE Leaking Underground Storage Tank database lists the release as closed on October 28, 1996.					
6	20,000	Fiberglass Reinforced Plastic	Oil	5/1/1980	12/17/1990
<u>Remediation Summary:</u> Location: Northeast corner outside of main building (north of 10,000-gallon diesel UST) Removal Activities: UST was removed in 1991 along with the other USTs located within this tank farm area (UST ID 4, UST ID 5, and UST ID 7). A release was reported upon the removal of these USTs (C-0027-91). From January to February 1991, the surrounding soil and groundwater was sampled. According to the 45 Day Site Assessment Report dated February 22, 1991, approximately 596 cubic yards of soil was removed and disposed of on January 8, 9, and 10, 1991 as well as February 1, 1991. A Closure Report and Closure letter could not be located for this release. However, the EDR report and Michigan DNRE Leaking Underground Storage Tank database lists the release as closed on October 28, 1996.					
7	10,000	Fiberglass Reinforced Plastic	Oil	5/1/1980	12/17/1990
<u>Remediation Summary:</u> Location: Northeast corner outside of main building (north of 10,000-gallon diesel UST) Removal Activities: UST was removed in 1991 along with the other USTs located within this tank farm area (UST ID 4, UST ID 5, and UST ID 6). A release was reported upon the removal of these USTs (C-0027-91). From January to February 1991, the surrounding soil and groundwater was sampled. According to the 45 Day Site Assessment Report dated February 22, 1991, approximately 596 cubic yards of soil was removed and disposed of on January 8, 9, and 10, 1991 as well as February 1, 1991. A Closure Report and Closure letter could not be located for this release. However, the EDR report and Michigan DNRE Leaking Underground Storage Tank database lists the release as closed on October 28, 1996.					
8	100	Unknown	Paint	Unknown	Unknown
<u>Remediation Summary:</u> Location: Paint Storage Building Removal Activities: There is no documentation of this UST being removed.					

Site Assessment Related to Underground Storage Tank Removal, BOC Powertrain – Livonia Engine Plant, The Advent Group Inc., October 1989

The Advent Group Inc. (AG) was retained by GM Powertrain Group to provide Site assessment services during removal of an approximately 5 year old 10,000-gallon diesel UST in 1989. The UST was removed by GM personnel. AG collected soil samples at a total of nine locations upon excavation of the UST. The excavation pit was backfilled on May 26, 1989 after laboratory analysis indicated results were consistent with soil background levels.

AG developed a sampling program to characterize the soils and groundwater adjacent to the UST and the soils in the utility trench which intersects the UST pit, to obtain background soil data. Soils in the area were brown to grayish-brown clays. All soil samples collected by AG were moist and the perched groundwater table was encountered at three feet below the surface. Nine soil samples and one groundwater sample was collected using a hand auger and hand tools. Soil samples were collected at two foot depth intervals below the UST bottom and at four foot depth intervals within the utility trench which intersects the north side of the UST pit. AG collected a groundwater sample from the bottom of the UST cavity.

AG also collected a background soil sample near the back of the facility, away from any source of contamination at a depth of five feet, and the sample was analyzed for total petroleum hydrocarbon (TPH). AG collected soil samples from the excavation and the trench were compared to the background sample to determine possible releases diesel fuel.

According to AG, the results of the sampling program indicate that soil samples collected adjacent to the UST were slightly below the TPH background concentrations found at the Livonia Engine Plant. The average level of TPH concentrations in the soils was 62.5 ppm, which The Advent Group indicated the TPH concentration was below background levels and regulatory action levels at the time of the report. The Advent Group concluded that the low levels of TPH in the soil adjacent to the UST confirmed that the diesel UST did not leak.

Initial Abatement Steps as Follow-up to a Confirmed Regulated Substance Release, Livonia Engine Plant, GM Engine Division, January 1991

On January 28, 1991, GM Engine Division submitted a letter to address initial abatement steps that were reported by telephone to the Michigan State Fire Marshall on January 8, 1991. GM prepared a letter indicating that product stained soil was identified in a subsurface excavation of soils during the removal of four USTs north of the Engine Plant (Leak ID C-0027-91). GM reported that they immediately notified the Michigan State Fire Marshal of the stained soil. According to the GM letter no free product was observed and the four USTs were all located on a single concrete pad.

GM noted the size and content of the USTs as follows: one 6,000-gallon assembly oil UST, one 4,000-gallon spill retention UST, one 20,000-gallon engine oil UST, and one 10,000-gallon hydraulic oil UST. All four USTs were constructed of reinforced fiberglass.

GM outlined the following abatement measures were performed at the Site from January 8-10, 1991:

- Stained soil and pea gravel were removed and trucked to the BFI Arbor Hills Landfill.
- Groundwater in the excavation was pumped to the on-site wastewater pretreatment plant and was treated before being discharged to the City of Detroit treatment system.
- Composite soil sample was collected from each sidewall and analyzed for TPH, BTEX, and PNAs.
- A water sample was collected from the water covering the excavation floor in lieu of a soil sample and was analyzed for TPH, BTEX, and PNAs.
- General Motors monitored the Site to mitigate any potential for fire and safety hazards.

Complete analytical results were not available at the time of the report.

Site Assessment for UST Nos. 4, 5, 6, and 7 Removal, Livonia Engine Plant, Chester Engineers, February 1991

Chester Engineers prepared this Site Assessment report on behalf of General Motors Corporation, summarizing removal activities and analytical testing performed in January and early February 1991.

On January 8-10, 1991, the GM Powertrain Division Livonia Engine Plant contracted Parks Installation to remove four USTs. Removal oversight was conducted by The Chester Engineers and Marine Pollution Control collected the confirmation samples which were sent to A & B Laboratories, Inc for analysis. The size and contents of the USTs were as follows: one 6,000-gallon assembly oil UST, one 4,000-gallon spill retention UST, one 20,000-gallon engine oil UST, and one 10,000-gallon hydraulic oil UST. All four of the USTs were constructed of reinforced fiberglass. The four USTs were located on the north central perimeter of the plant Site and were all within a common excavation.

Product stained soil was identified in a subsurface excavation of soils during the removal of for USTs north of the Engine Plant. The stained soil was immediately reported to the Michigan State Fire Marshall. No free product was observed

Abatement measures performed included:

- Stained soil and pea gravel were removed and trucked to the BFI Arbor Hills Landfill.
- Groundwater in the excavation was pumped to the on-site wastewater pretreatment plant and was treated before being discharged to the City of Detroit treatment system.
- The four USTs were removed from the excavation, crushed and sent to BFI Landfill in Northville, Michigan for Disposal. Visually affected soil was also removed and transported to the BFI landfill.

On January 10, 1991 composite soil samples were collected from each sidewall and analyzed for TPH, BTEX, and PNAs. The method detection limit used to analyze PNAs in the soil samples was 300 ppb, which did not allow for the proper determination of PNAs contained in the soil samples according to the MDNR Interim Leaking UST Petroleum Remediation criteria Guideline. A second set of composite soil samples were collected from each sidewall on January 25, 1991 and were analyzed for PNAs at a method detection limit of 100 ppb. Analytical results revealed that levels of PNAs in the north, south, and east walls were below the detection limits. The west wall had Naphthalene (180 ppb), Fluorene (470 ppb), and Phenanthrene (740 ppb).

An additional 116 cubic yards of soil was removed from the west sidewall on February 1, 1991, and disposed at BFI Landfill. Three soil samples were collected from the west sidewall to confirm that all impacted soil had been removed. Soil samples were collected from grade to 5 feet below the ground surface (bgs), from 5 feet to 10 feet bgs, and 10 feet to 15 feet bgs. Soil samples were analyzed for PNAs at the method detection limit of 100 ppb. Chester Engineers concluded that analytical results confirmed that impacted soils had been removed from the west sidewall.

Parks Installation backfilled the excavation area with clean sand on February 18-20, 1991.

On February 21, 1991, soil samples were collected approximately every 20 linear feet and at elbows from below the pipe run between the location of the USTs and the plant wall. Four samples were collected and analyzed for BTEX and PNAs. Complete analytical results were not available at the time of the report.

Work Plan for Hydrogeological Site Investigation in the Area of USTs 1, 2, 4, 5, 6, 7, Livonia Engine Plant, Chester Engineers, May 1991

GM Powertrain Division retained The Chester Engineers to develop a hydrogeological Site investigation work plan to assess the full extent and location of soils, groundwater, and surface water contaminated as a result of two reported releases at the Livonia Engine Plant.

The work plan was prepared to achieve the following objectives: define subsurface stratigraphy, determine horizontal and vertical extent of contamination in soil and groundwater, provide an assessment of groundwater direction and velocity, determine probable source and receptors of the release, identify remaining data gaps and recommend remedial alternatives.

Regional geology was described as essentially flat, consisting of lake plain sediments formed during the early glacial stages of the Erie Basin. At the Livonia Engine Plant, surface materials were described as consisting of fill and some sandy or silty deposits, generally less than 10 feet thick. A thick mantle of firm silty clay with occasional sand lenses and pebbles were described to underlie the superficial sediments. The work plan indicated that the unity is locally called “blue clay”, and can often be greater than 100 feet thick in the area of Livonia. The clay was described as having low hydraulic conductivity. The stratigraphy was described as creating two groundwater systems, a perched system within a superficial layer, and a confined system within the bedrock.

The first release (Leak ID C1682-90) occurred during the installation of a catch basin located in the fueling station which includes a 20,000-gallon gasoline UST and a 4,000-gallon spill retention UST. The release was reported to the Michigan State Fire Marshal on September 4, 1990. The point of release occurred at the stick reading tube and the UST gauging port did not have proper spill containment.

In September 1990, excavated soil containing petroleum vapors was sampled and analyzed for benzene, toluene, ethylbenzene, xylenes (BTEX), and TCLP parameters. Analytical results were less than 0.1 ppm for each BTEX parameter. Two soil samples were collected from test trenches and a third soil sample was collected from the foundation excavation located approximately 50 feet east of the fuel station. Analytical results for the three soil samples were less than 0.1 ppm for all BTEX parameters.

A groundwater sample was collected on September 6, 1990 from the sampling tube (without purging) located between the two the 20,000-gallon gasoline UST and the spill retention UST. Analytical results exhibited elevated levels of BTEX. On September 24, 1990, a groundwater sample was collect from the same sampling tube after purging three volumes of standing water. Analytical results exhibited lower levels of BTEX than the samples collected on September 6.

An UST integrity test was performed on the 20,000-gallon gasoline UST, which indicated that the system did not leak.

On October 10, 1990, GM pumped 10,000 gallons of water from the sampling tube located between the gasoline UST and the retention UST. Groundwater levels did decrease but the sampling tube did not go dry. A groundwater sample was collected from the same sampling tube on October 12, 1990 and analytical results for BTEX concentrations were lower than the samples collected on September 24, 1990.

Several additional groundwater samples were collected from the same sampling tube and were analyzed for BTEX. Analytical results for BTEX concentrations significantly decreased on each sampling event.

The second release was related to the removal of four USTs approximately 70 feet northeast of the 20,000-gallon gasoline UST (See Site Assessment for UST Nos. 4, 5, 6, and 7 Removal Summary above).

On February 21, 1991, soil samples were collected approximately every 20 linear feet and at elbows. Four samples were collected from below the pipe run analyzed for BTEX and PNAs. All parameter concentrations were below Type B criteria in the MDNR Interim Leaking UST Petroleum Remediation Criteria.

In this work plan, The Chester Engineers proposed to install a minimum of 11 soil borings in the area of the releases and install temporary groundwater monitoring wells if groundwater is encountered. Drilling would be conducted to characterize subsurface soils and for analytical analysis. Estimated drilling depth is 20 feet bgs. All soil samples would be analyzed for BTEX, MTBE, PAHs, and lead. In-situ slug testing would be performed to determine hydraulic conductivity of the shallow aquifer. One round of groundwater samples would be collected from the new observation wells approximately two weeks after completion. All groundwater samples would also be analyzed for BTEX, MTBE, PAHs, and lead

Leaking Underground Storage Tank Closure Report, City of Livonia Fire Station #4 (adjoining property), The Traverse Group, June 1996

On May 28, 1996, a confirmed release was discovered at the City of Livonia Fire Station #4, and a confirmed release report was submitted on May 29, 1996. A closure report was prepared by The Traverse Group on behalf of The City of Livonia Public Service Division, and submitted to the MDEQ UST Division on June 21, 1996.

The specific source of the release was unknown and the release was discovered during an UST removal. No visual or olfactory evidence was observed during removal. Upon receiving analytical results from a north soil sample from the east wall of the excavation, a concentration of benzene (180 ppb) was identified in the east wall sample and a confirmed release was reported to the MDEQ UST Division. The UST was empty at the time of the release but at one time had contained premium unleaded gasoline. The UST was emptied on April 26, 1996, and was removed on May 23, 1996.

Initial response actions began on May 28, 1996 and were completed on June 11, 1996. Initial response actions included a hand auger investigation around the east wall sample and a Tier I evaluation of the facility and associated data. All hand auger grab samples were analyzed for BTEX via EPA Method 8020, and all samples were found to be non-detect for BTEX. No free product was discovered in the investigation.

Site assessment activities also began on May 28, 1996, and were completed on June 11, 1996. Site assessment activities included a soil investigation. Grab samples were collected from the excavation and analyzed for BTEX and MTBE via EPA Method 8260.

The Livonia Fire Station #4 was initially classified by the Michigan Department of Environmental Quality as a Class 4 on May 28, 1996, and a Tier I evaluation was performed at the facility. Class 4 LUST sites have no demonstrable long-term threats to human health, safety, or sensitive environmental receptors. Corrective actions included closure under Tier I residential standards. The Tier I Residential cleanup goal for direct contact exposure was comparatively used, because groundwater was not encountered at the facility.

A soil verification sampling plan was prepared in accordance to the MDEQ "Verification of Soil Remediation Guidance Document". The facility was under the small site category. Minimum number of soil samples collected from the excavation floor was determined by comparing the floor area to the values listed in Table 1 of the "Verification of Soil Remediation Guidance Document", resulting in two floor samples. The area of the walls was compared to Table 2 of the document to determine the minimum number of soil samples for collection. Samples were also collected along the piping run and beneath the dispenser island. The soil samples were analyzed for BTEX and MTBE.

No soil was disposed offsite, the soil was used as backfill after results of stockpiled soil were non-detect for BTEX. No corrective action for the Site was implemented for any other media other than soil and groundwater. Potential exposure sources are impacted soil. The affected area was covered with asphalt pavement therefore minimizing the potential for transport via volatilization and infiltration. The affected area was 7 feet below grade, and it was described to unlikely impact a utility corridor. Potential exposure route was identified as direct contact of soil with skin, with the potential receptor being employees at Fire Station #4.

The MDEQ issued a closure letter to the City of Livonia Public Service Division on July 8, 1996 for the release that occurred on May 28, 1996. The MDEQ closure letter states that the closure reported submitted concludes that corrective action at the Livonia Fire Station #4 had resulted in unrestricted residential use of the facility. Refer to Section 4.4.3 for additional information regarding Fire Station #4.

Leaking Underground Storage Tank Report Closure Report, Livonia Engine Plant, The Traverse Group, August 1996

On behalf of GM Powertrain Division Livonia Engine Plant, a closure report for Leak ID C1682-90, as discussed in the Work Plan for Hydrogeological Site Investigation described above, was prepared by The Traverse Group and submitted to the MDEQ UST Division on August 23, 1996.

On September 4, 1990, a confirmed release was discovered at the Livonia Engine Plant and a confirmed release report was submitted. An Initial Assessment Report was submitted on September 24, 1990. A 45-Day Initial Assessment Report was submitted on November 2, 1990. A HydroGeo Report was submitted on October 31, 1991 and a closure report was submitted on August 23, 1996. Less than 10 cubic yards of soil were remediated or disposed.

The source of the release was a tank gauging port for a 20,000-gallon gasoline UST. The gauging port did not have proper spill containment and during installation of a catch basin located in the area north of the fueling station gasoline vapors were noted by construction workers.

Initial response action began on September 4, 1990, and was completed on December 21, 1990. Soil and groundwater was collected and analyzed. Soil that was observed having gasoline vapors was stockpiled and sampled for BTEX on September 5, 1990. Two soil samples were collected from two test trenches in the area of the release and were analyzed for BTEX. All soil samples that were collected and analyzed were below the acceptable method detection limits. Groundwater samples were collected from the perched groundwater via PVC sampling tubes on September 6, 24, and October 10, 1990. The groundwater samples were analyzed for BTEX. Dewatering continued until December 21, 1990, at which point non-detect results for BTEX had been observed. No free product was discovered.

A Hydrogeological Investigation began on August 29, 1991, and was completed on October 31, 1991. Soil samples were collected from Monitoring wells 1, 2, and 3 and were analyzed for BTEX, PNAs, and Total Lead. Groundwater samples collected from Monitoring Wells 1, 2, and 3 were analyzed for BTEX, PNAs, and Dissolved Lead. All soil and groundwater samples were found to non-detect for BTEX and PNAs, the total lead for soil was below establish background criteria and the dissolved lead values for groundwater were non-detect.

The Site was classified by the Michigan Department of Environmental Quality as a Class 4 on April 25, 1996, and a Tier I evaluation was performed at the Site. Class 4 LUST sites have no demonstrable long-term threats to human health, safety, or sensitive environmental receptors. A soil verification sampling plan, with an unknown submittal date, was prepared in accordance to the MDEQ "Verification of Soil Remediation Guidance Document". The soil verification sampling plan was submitted prior to August 1996. The Site was under the small site category. Minimum number of soil samples collected from the excavation floor was determined by the floor area and the "Verification of Soil Remediation Guidance Document", resulting in two floor samples. The area of the walls was compared to Table 2 of the document to determine five sidewall soil samples were necessary.

Groundwater samples could not be collected from the excavation site because the UST was surrounded by pea saturated pea gravel and the water was pumped out during the removal of the UST. The excavation remained open for 1 week, pending analytical results. The excavation did not recharge with water.

The MDEQ issued a closure letter to the GM Powertrain Division on October 25, 1996 for the release that occurred on September 4, 1990 (Leak number C-1682-90). The MDEQ closure letter states that the closure reported submitted concludes that corrective action at the Site has resulted in unrestricted residential use of the Site.

4.1.2 Historic Map Review

ARCADIS contracted EDR to conduct a Sanborn Fire Insurance (Sanborn) map search for the Site. According to EDR, there are no Sanborn maps for the Site.

The No Coverage Sanborn Report is included in Appendix B.

4.1.3 Aerial Photograph Review

ARCADIS reviewed historical aerial photographs provided by EDR for the years 1937, 1940, 1949, 1957, 1961, 1967, 1972, 1985, 1993, 2000 and 2005.

The 1937 and 1940 aerial photographs depict the Site as undeveloped. An undeveloped road or train tracks are depicted to the north, beyond which appears to be cleared and undeveloped land. A few residential properties appear on the northwest corner of the property. Residential property is depicted along the east side of the Site property. The southern portion of the Site appears to be residential property and undeveloped land. A road is depicted along the western edge of the Site, beyond which is undeveloped land.

The 1949 aerial photograph shows the Site and surrounding properties similar to the 1940 aerial photograph; railroad tracks are clearly depicted north of the Site. It also appears that an industrial site is being built southeast of the Site.

The 1957 aerial photograph shows horse stables north of the Site beyond the railroad tracks. Baseball diamonds appear on the Site. A horse race track appears northeast of the Site beyond the railroad tracks. Residential properties and an industrial property are located east of the Site. Residential properties are located south of the Site. An industrial building is located southwest of the Site. A recreation area is located west of the Site.

The 1961 aerial photograph depicts the Site similar to the 1957 aerial photograph. The surrounding area appears similar to the 1957 aerial photograph.

The 1967 aerial photograph depicts the Site similar to the 1961 aerial photograph. The surrounding area appears similar to the 1961 aerial photograph.

The 1972 aerial photograph depicts the Site as developed with one industrial structure. The Baseball diamonds no longer appear on the Site. The Site is improved with a rectangular structure in the middle of the Site. Railroad spurs enter the Site from the northeast and extended north-south across the eastern portion of the Site to the plant facility. Residential properties are depicted south of the Site. The surrounding area appears similar to the 1967 aerial photograph.

The 1985 aerial photograph depicts the Site with an expanded industrial structure and parking lot areas. The 1985 aerial photograph depicts the filling station, oil tank farm, and associated onsite Waste Water Treatment Plant piping on the northern portion of the Site. The railroad spurs no longer enter the Site. The surrounding area appears similar to the 1972 aerial photograph.

The 1993 aerial photograph depicts the Site with an expanded industrial structure. The northwest building and main structure are now connected. The surrounding area is similar to the 1985 aerial photograph.

The 2000 aerial photograph depicts the Site similar to the 1993 aerial photograph. The horse stables north of the Site across the railroad tracks are depicted with disturbed soils and the previous structures are removed. The remaining surrounding area appears similar to the 1993 aerial photograph.

The 2005 aerial photographs show the Site and surrounding area as being essentially the same as was observed during the Site visit.

Copies of the above-referenced aerial photographs are included in Appendix B.

4.1.4 City Directories

ARCADIS contracted EDR to conduct a city directory search for the Site and surrounding area. EDR reviewed city directories for the Site every five years between 1973 and 2009, as available. The city directory information indicated that listings were found with the Site address, 12200 Middlebelt Road. The Site address listings included:

- 1973: Cadillac Motor Car
- 1979: Cadillac Motor Car
- 1984: Cadillac Motor Car
- 1994: General Motors
- 1999: GM Powertrain Livonia Engine
- 2009: Compass Group USA, Inc., Electronic Data Systems Corp., and General Motors corp.

The EDR report identified the following occupants for adjacent property addresses:

- 1973: Bi-Lo Super Mkts. and Kroger Co. (12701 Middlebelt Road), Chesapeake & Ohio Railroad (12699 Middlebelt Road), Hawkin's Feed Co. (12634 Middlebelt Road), Livonia Comm. Drug (12555 Middlebelt Road), and Putt-Putt Golf Crs. (11900 Middlebelt Road)
- 1979: Kroger Co. (12701 Middlebelt Road), Livonia Comm. Drug Abse. (12555 Middlebelt Road), and Putt-Putt Golf (11900 Middlebelt Road)
- 1984: Kroger Co. (12701 Middlebelt Road), B. Ciccarella and Putt-Putt Golf (11900 Middlebelt Road), and Community Drug Abuse (11871 Middlebelt Road)
- 1989: Foodland Distributors and Kemba Credit Union (12701 Middlebelt Road), B.D. Matkin Feed Co. (12634 Middlebelt Road), Road Railer (12619 Middlebelt Road), Phillip's Auto Service (11940 Middlebelt Road), A-1 Transmissions, Foreign Car Connect, Jiffy Lube, Randy's Collision, Ride Control, Inc., and Tuff-Kote Dinol (11900 Middlebelt Road), and Ford Motor Co. (11871 Middlebelt Road)
- 1994: Foodland Distributors and Kemba Credit Union (12701 Middlebelt Road), B.D. Matkin Feed Co. (12634 Middlebelt Road), CMX Trkg., Inc. (12601 Middlebelt Road), Livonia Firefighters (12300 Middlebelt Road), All Tune & Lube, Auto One Glass Tint, Graff Concrete Cutting, Inc., Snappy Rent A Car, and USA Transmissions (11900 Middlebelt Road), and Ford Motor Co. (11871 Middlebelt Road)

- 1999: Foodland Distributors and Kemba Credit Union (12701 Middlebelt Road), B.D. Matkin Feed Co. (12634 Middlebelt Road), Cordin Transport and T Dsi (12619 Middlebelt Road), Amigo Mobility Center and Turbo Sales, LLC. (11940 Middlebelt Road), All Tune & Lube Mtrmx., Auto Conversions, Inc., Cynamic Cheml. Co., Graff Concrete Cutting, Inc., Snappy Rent A Car, Tri Enterprises, Inc. and USA Transmissions (11900 Middlebelt Road), and Ford Motor Co. Dvsns. (11871 Middlebelt Road)
- 2004: Foodland Distributing and Kemba Credit Union (12701 Middlebelt Road), CT Services, Inc. and T Dsi (12619 Middlebelt Road), City of Livonia DPW and Livonia Firefighters Union (12300 Middlebelt Road), A 1 Mobility Center, Inc. (11940 Middlebelt Road), and All Tune & Lube Motor Mate, Cynamic Industries, Graff Concrete Cutting, Inc., King's Auto Care, Livonia Undercar Specialists, Motor City Quick Lube, and USA Transmissions (11900 Middlebelt Road)
- 2009: I & K Distributing (12701 Middlebelt Road), Livonia Firefighters Union (12300 Middlebelt Road), A 1 Mobility Center, Inc. and DJ & B Enterprise, Inc. (11940 Middlebelt Road), All Tune & Lube, Bodnar, Inc., Finish Line Oil & Lube, Graff Concrete Cutting, Inc., Mirror Shine, Motor City Auto Care, Inc., and Motor City Quick Lube (11900 Middlebelt Road), and Ford Motor Company (11871 Middlebelt Road)

The EDR City Directory Abstract is included in Appendix B.

4.1.5 Historical Topographic Maps

Topographic maps were obtained from EDR for the years 1905, 1952, 1968, 1973, 1983, and 1996.

The 1905 topographic map is a 15-minute series map and depicts the Site as primarily unimproved land. The Detroit and Elm Grand Rapids Beech Line Railroad is depicted north of the Site. The River Rouge is depicted south of the Site. Sparse residential properties are depicted in all directions of the Site.

The 1952 topographic map is a 7.5-minute series map that shows the Site as mostly undeveloped with Elm School depicted on the west side of the Site. The Chesapeake and Ohio Railroad is depicted immediately north of the Site. Horse stables are depicted north of the railroad tracks. The Detroit Race Course is depicted northeast of the Site. Residential properties are depicted east and south of the Site. An industrial building is located southwest of the Site.

The 1968 topographic map depicts the Site and surrounding properties similar to the 1952 topographic map. Four commercial properties are depicted northwest of the Site. An industrial property is depicted southeast of the Site. Also, the industrial building located southwest of the Site has been expanded.

The 1973 topographic map depicts the Site with an improved industrial building. Railroad spurs enter the Site from the northeast and extended north-south across the eastern portion of the Site to the plant facility. The surrounding properties appear the same as the 1968 topographic map other than four additional commercial structures are depicted northwest of the site.

The 1983 topographic map depicts an expansion to the Site structure on the northwest side of the Site. Railroad spurs enter the Site from the northeast and extend north-south across the eastern portion of the Site to the plant facility. The remaining surrounding area appears similar to the 1973 topographic map.

The 1996 topographic map depicts the south side of the Site and surrounding area similar to the 1983 topographic map. A 1996 topographic map of the northern half of the Site was not provided. However, a request was submitted to EDR for additional topographic map coverage.

The EDR Topographic Map report is included in Appendix B.

4.1.6 Building/Planning Departments

ARCADIS accessed the City of Livonia General Property Information online to review available records on file for the Site. The parcel ID was listed as 099 99 0001 001 for the Site address (12200 Middlebelt). The owner for the Site address was listed as General Motors Corp. However, other information sources confirm that ownership of the Site was transferred from General Motors Corporation to MLC in 2009. No records of environmental significance were identified during the review of the municipal records.

4.1.7 Additional Record Sources

No additional record sources were reviewed in the course of this assessment.

4.1.8 Summary of Historical Information

Based on the historical sources reviewed, it appears the Site was utilized for agricultural and recreational purposes until construction of the current main Site building in 1971. The Site building initially operated as Cadillac Motor Car according to the EDR City Directory. In the 1972 aerial photograph the main Site building appears and rail spurs enter the northeast side of the building extending north to south. In 1984, there was a large expansion for engines work and a new warehouse according to Site personnel. The 1983 topographic map shows an expansion to the northwest side of the Site. An additional building is depicted in the northwest corner of the Site. The rail spurs entering the northeast side of the building, extending north to south, also appear in the 1983 topographic map. The 1985 aerial photograph shows the new warehouse in the northwest corner of the Site. The rail spurs no longer enter the building in the 1985 aerial photograph. There is an improvement to the main building in the 1993 aerial photograph.

The 1993 aerial photograph shows the northwest building and the main Site building connected. The Site has been used for engine machining and assembly since that time. On-site operations and activities associated with operations primarily involved wet machining. Based on information obtained from interviews with the Site representatives, former plant operations and activities also previously included plating operations from 1971 to the early 1990s, isocyanate impregnation, small-scale degreasing activities, and painting.

According to Site personnel, approximately 60% of the main Site building was idle as of the time of this assessment. Production is scheduled to stop June 30, 2010 and the last day of plant operations is scheduled for September 30, 2010.

4.2 Historical Use Information on Adjoining Properties

A review of select city directories covering the period 1973 to 2009 and aerial photographs and topographic maps covering the period 1937 to 2005 indicated that the adjoining properties have been used for a mixture of agricultural, residential, commercial and industrial purposes. Railroad tracks have bordered the north side of the Site since 1949. Various commercial properties occupied the area north of the railroad tracks from 1957 to the present. The adjoining properties to the east and southeast have been occupied mainly by residential homes and some industrial properties as noted in Section 2.5. The adjacent property to the south has been various commercial properties as noted in the City Directory and discussed in Section 2.5 and Section 4.1.4. According to the City Directory these commercial properties were first constructed in 1973. The adjacent property to the west is the City of Livonia Fire Station, since 1961. The property to the west of the Site, across Middlebelt Road, has been an industrial property since 1957.

4.3 Physical Setting

4.3.1 Geology

4.3.1.1 Surface Features

Information regarding the regional and Site specific geology was obtained from EDR and prior Site investigations.

According to the EDR topographic information (USGS 7.5' Digital Elevation Model) the Site elevation is approximately 632 feet. Topographically, the Site is flat. The general area has a gradual gradient from east-southeast

4.3.1.2 Subsurface Features

According to EDR the surface soil texture in the area is not mapped. According to the EDR underlying the surface, shallow, and deep soils are the bedrock deposits classified as Paleozoic Era, Devonian System and Upper Devonian Series.

Previous reports state the surface soil texture in the area typically consists of fill and some sandy or silty deposits, generally less than ten feet thick. Underlying the surface soils is a thick firm silty clay layer with occasional sand lenses and pebbles, which is locally referred to as “blue clay”. The “blue clay” layer is often greater than 100 feet thick in the Livonia area and has an inherently low hydraulic conductivity and forms an aquatard between the lower aquifers and the perched aquifer at the surface. Refer to Section 4.1.1 for additional Site specific details obtained from the previous environmental investigations.

A pipe was being replaced outside the southwest corner of the main building during the Site visit. The excavated area was 20 feet long by 20 feet wide by 10 feet deep. Brown clay was noted with blue clay underneath at 10 feet.

4.3.2 Hydrology

4.3.2.1 Surface Water

Surface water flow in the areas of the building and the paved driveways and parking areas are largely controlled by drainage structures along roadways and in paved areas.

4.3.2.2 Groundwater

Based on information from previous investigations, perched groundwater was encountered approximately three feet below grade. According to the EDR Aquiflow ® Information System the regional groundwater flow is to west.

Based on ARCADIS review of the previous investigations, no additional details regarding groundwater flow direction, depth, etc. were discovered.

4.4 Standard Environmental Record Sources – Federal and State

ARCADIS contracted with EDR to conduct a search of state and federal regulatory databases to identify recorded concerns for the Site and surrounding properties. The databases were searched to the approximate minimum search distances as specified in ASTM Standard Practice E 1527-05, “Phase I Environmental Site Assessment Process.” The database search is provided as Appendix C.

Review of the EDR report revealed the following pertinent information.

Database	Search Radius	Site	0 – 1/8 mile	1/8 – ¼ mile	¼ - ½ mile	½ - 1 mile	> 1 MILE
NPL (National Priority List)	1 mile		0	0	0	0	0
Proposed NPL	1 mile		0	0	0	0	0
NPL LIENS (Federal Superfund Liens)	Site		0	NR	NR	NR	NR
Delisted NPL	1 mile		0	0	0	0	0
CERCLIS (Comprehensive Environmental Response, Compensation, and Liability Information System)	0.50 mile		0	0	0	0	NR
FEDERAL FACILITY	1 mile		0	0	0	0	0
CERCLIS-NFRAP (No Further Remedial Action Planned)	0.50 mile		0	0	0	1	NR
RCRA CORRACTS (Corrective Action Report)	1 mile		0	0	0	0	0
RCRA TSDF (Transporters, Storage, and Disposal Facilities)	0.50 mile		0	0	0	0	NR
RCRA Generators	0.25 mile	X	0	2	2	NR	NR
ERNS (Emergency Response Notification System)	Site	X	0	NR	NR	NR	NR
SHWS (Contaminated Sites)	1 mile		0	0	0	0	3
State & Tribal SWF/LF (Solid Waste Facilities Database)	0.50 mile		0	0	0	0	NR
State & Tribal LUST (Leaking Underground Storage Tank Sites)	0.50 mile	X	1	1	5	3	NR
State & Tribal USTs (Underground Storage Tanks)	0.25 mile	X	1	1	3	NR	NR
State ASTs (Aboveground Storage Tanks)	0.25 mile		0	0	0	NR	NR
State & TRIBAL BROWNFIELDS	0.50 mile		0	0	0	0	NR
US BROWNFIELDS	0.50 mile		0	0	0	0	NR
HIST LF (Inactive Solid Waste Facilities)	0.50 mile		0	0	0	0	NR
US CDL (Clandestine Drug Labs)	Site		0	NR	NR	NR	NR
DEL SHWS (Delisted List of Contaminated Sites)	1 mile		0	0	0	0	0
DRYCLEANERS (Dry-cleaning Establishment)	0.25 mile		0	0	0	NR	NR
NPDES (Active National Pollutant Discharge Elimination System)	Site	X	0	NR	NR	NR	NR
AIRS (Permit and Emissions Inventory Data)	Site	X	0	NR	NR	NR	NR
BEA (Baseline Environmental Assessment Database)	0.50 mile		0	0	1	1	NR

4.4.1 Site

The Site was identified on the following databases searched by EDR: SPILLS, ERNS, AIRS, MLTS, RCRA-LQG, TRIS, FINDS, LUST, UST, MANIFEST, NPDES, and RCRA-CESQG. Information was taken from a previous investigation of the Site and information provided by EDR.

Site database entries associated with GM activities at 12200 Middlebelt Road in Livonia, Michigan were listed under General Motors, General Motors Corporation, General Motors Powertrain Division, General Motors Powertrain Livonia Engine Plant, and under the Site address. The database listings for the Site are summarized as follows:

- SPILLS database - Two incidents were reported to Michigan PEAS. The first incident occurred on July 12, 2006 when a pipe to the wastewater treatment plant broke and released wastewater to the storm drain. Pollutant was reported as 95 percent water, 3 percent soap, and 1 percent miscellaneous oils. Over 100 gallons was reported as already removed. The second incident occurred on February 16, 2006 when oil/storm runoff from snow melting off the roof discharged into the storm drain.
- AIRS database - The state registration number is listed as B6559. The application reason is reported as new sealer material in RTV sealer operation.
- ERNS database - A summary of the ERNS are listed below:
- Site ID 871255 is listed as having a release on February 7, 1987. The report stated that oil and water was spilled from an overhead pipeline and the catch basins were cleaned.
- Site ID 91221138 is listed as having a release on June 13, 1991. An unknown oil stain on the ground was reported and soil samples were collected for analysis.
- Site ID 92255939 is listed as having a release on March 3, 1992. The report stated that a soluble cutting fluid delivery line ruptured due to high pressure. A vacuum truck was used to retrieve the material out of the storm sewer catch basin. Approximately 25-gallons were released.
- Site ID 96484891 is listed as having a release on March 29, 1996. Material in process waste line went through vent lines on roof into storm sewer. Vacuum truck was reported on the scene and cleanup was underway.
- Site ID 98430451 is listed as having a release on March 30, 1998. A 100-gallon tank containing cutting fluid water mixture vented to the storm drain because of plugged lines. A contractor contained the spill in the storm drain and removed it with a vacuum truck.

- Site ID2006803850 is listed as having a release on June 12, 2006. The report stated that a pipeline cracked due to maintenance activity and material ran into the storm drain. The storm drain was sandbagged and diked and 100-gallons of material was pumped out of the storm drain.
- Material Licensing Tracking System (MLTS) database - The MLTS database lists sites which possess or use radioactive materials and which are subject to Nuclear Regulatory Commission licensing requirements.
- Large quantity generator of hazardous waste with EPA identification number MID000718874. No TSDF activities were recorded. The RCRA-LQG database information indicates that the Site had five hazardous waste violations on record from 1995 to 2007. The violations were related to general oversight and pre-transport. Compliance was achieved for the violations during the same time frame
- FINDS database - The FINDS database indicates that the Site is listed on the US EPA TRIS (Toxic Release Inventory System).
- LUST database - Facility ID 18020 is reported as having two leaks. The first leak (Leak Number C-1682-90) occurred on September 4, 1990 and the release status is reported as closed as of October 25, 1996. The second leak (Leak Number C-0027-91) occurred on January 8, 1991 and the release status is reported as closed as of October 28, 1996.
- UST database - Facility ID 18020 is listed as having had one 20,000-gallon, one 10,000-gallon, one 6,000-gallon, and one 4,000-gallon oil USTs that were installed on May 1, 1980 and were removed from the ground on December 17, 1990. The Site also had one 20,000-gallon gasoline UST that was installed on May 1, 1980 and was removed from the ground on April 25, 1996. The Site also had one 10,000-gallon diesel UST that was installed on May 1, 1984 and was removed from the ground on September 30, 1990. Refer to Sections 4.1.1 and 5.3.1 for additional information regarding the USTs.
- MANIFEST database - Manifest records were listed on the NY MANIFES database for lead, non-listed corrosive wastes, and mercury.
- NPDES database - MI NPDES permit number MIS210318. Issue date April 17, 2007 and expiration date of April 4, 2012.

The following database entries were associated with International Transmission Company, LLC (ITC) activities at the Site address of 12200 Middlebelt Road in Livonia, Michigan:

- RCRA-CESQG database - Conditionally exempt small quantity generator of hazardous waste with EPA identification number MIK739296762. No TSDF activities were recorded. The RCRA-CESQG database information indicates that ITC had no violations on record.
- FINDS database - Environmental Interest/Information System.

Section 8.0 describes RECs associated with the Site.

4.4.2 Federal Environmental Record Sources

EDR identified nine facilities within the applicable radius for the Federal databases searched. The databases identified include: RCRA-CESQG, RCRA-SQG, RCRA-NonGen, and CERC-NFRAP. Information in this section was obtained from EDR.

CSX Transportation INC is listed at 12619 Middlebelt Road, between 0.125 and 0.25 mile northwest of the Site. The facility is listed on the RCRA-CESQG database. The facility is a conditionally exempt small quantity generator of hazardous waste with EPA identification number MIP200001472. No TSDF activities were recorded. The RCRA-CESQG database information indicates that the facility has no violations on record.

Super Value Holdings Inc is listed at 12701 Middlebelt Road, between 0.125 and 0.25 mile northwest of the Site. The facility is listed on the RCRA-SQG database. The facility is a small quantity generator of hazardous waste with EPA identification number MID108425984. No TSDF activities were recorded. The RCRA-SQG database information indicates that the Site had two hazardous waste violations on record in 1993. The violations were related to general oversight. Compliance was achieved for the violations in June of 1994.

Neighborhood Collision is listed at 11900 Middlebelt Road, between 0.25 and 0.5 mile south-southwest of the Site (Adjacent to the south). The facility is listed on the RCRA-NonGen database. The facility does not generate any hazardous waste with EPA identification number MID0985605229. No TSDF activities were recorded. The RCRA-NonGen database information indicates that the facility has no violations on record.

Jiffy Lube is listed at 11900 Middlebelt, between 0.25 and 0.5 mile south-southwest of the Site (Adjacent to the south). The facility is listed on the RCRA-NonGen database. The facility does not generate any hazardous waste with EPA identification number MID985593524. No TSDF activities were recorded. The RCRA-NonGen database information indicates that the facility has no violations on record.

All Tune and Lube is listed at 11900 Middlebelt, between 0.25 and 0.5 mile south-southwest of the Site (Adjacent to the south). The facility is listed on the RCRA-CESQG database. The facility is a conditionally exempt small quantity generator of hazardous waste with EPA identification number MID9855982626. No TSDF activities were recorded. The RCRA-CESQG database information indicates that the facility has no violations on record.

All Aspects Painting & Drywall is listed at 12263 Hartel Street, between 0.25 and 0.5 mile east-southeast of the Site (Adjacent to the east/southeast). The facility is listed on the RCRA-NonGen database. The facility does not generate any hazardous waste with EPA identification number MIK143134963. No TSDF activities were recorded. The RCRA-NonGen database information indicates that the facility has no violations on record.

Ford Motor Company is listed at 11871 Middlebelt, between 0.25 and 0.5 mile south-southwest of the Site (Adjacent to the west/southwest). The facility is listed on the RCRA-CESQG database. The facility is a conditionally exempt small quantity generator of hazardous waste with EPA identification number MID000809772. No TSDF activities were recorded. The RCRA-CESQG database information indicates that the Site had four hazardous waste violations on record in 1996. The violations were related to records/reporting/pre-transport, manifest, and general over-sight. Compliance was achieved for the violations in June of 1997.

Middlebelt-Plymouth Venture LLC is listed at 29501 Plymouth, between 0.25 and 0.5 mile south-southwest of the Site. The facility is listed on the RCRA-NonGen database. The facility does not generate any hazardous waste with EPA identification number MID985632728. No TSDF activities were recorded. The RCRA-NonGen database information indicates that the facility has no violations on record.

Ashley Livonia South LLC is listed at 28400 Plymouth Road, between 0.5 and 1 mile southeast of the Site (Adjacent to the east/southeast). The facility is listed on the CERC-NFRAP and RCRA-CESQ databases. The facility is listed on the CERC-NFRAP database site identification number 0506113 and is listed as not a federal facility. CERCLIS-NFRAP History includes discovery on January 11, 1989, preliminary assessment on October 24, 1991, and archive site on September 15, 1999. The facility is a conditionally exempt small quantity generator of hazardous waste with EPA identification number MID076331271. No TSDF activities were recorded. The RCRA-CESQG database information indicates that the Site had two hazardous waste violations on record in 1988 and 1999. The violations were related general over-sight. Compliance was achieved for the violations in April of 1988 and January of 1990.

Based on their location and regulatory status, these properties are not expected to adversely affect the environmental condition of the Site. A compilation of Federal database listings is provided in the EDR Radius Map Report provided in Appendix C.

4.4.3 State and Tribal Environmental Record Sources

EDR identified sixteen facilities within the applicable radius for the State and Tribal databases searched. The databases identified include: LUST, UST, BEA, and SHWS. Information in this section was obtained from EDR and previous investigations.

Fire Station # 4 is listed at 12300 Middlebelt Road, less than 0.125 mile west-southwest of the Site (Adjacent to the west). The facility is listed on the LUST and UST databases.

The facility is listed on the LUST database. Facility ID 12467 is reported as having one release of diesel. The leak (Leak Number C-0339-96) occurred on May 28, 1996 and the release status is reported as closed as of July 8, 1996.

The facility is listed on the UST database. Facility ID 12467 is listed as having one 2,000-gallon gasoline UST that was installed on January 1, 1962 and was removed from the ground on May 23, 1996.

Super Value Holdings Inc is listed at 12701 Middlebelt Road, between 0.125 and 0.25 mile northwest of the Site. The facility is listed on the LUST and UST databases.

The facility is listed on the LUST database. Facility ID 7089 is reported as having four releases. A release of diesel (Leak Number C-0974-95) occurred on August 23, 1995 and the release status is reported as open. A release of unknown substance (Leak Number C-1149-98) occurred on May 14, 1998 and the release status is reported as closed as of May 22, 2000. A release of unknown substance (Leak Number C-1150-98) occurred on May 14, 1998 and the release status is reported as closed as of April 23, 1999. A release of unknown substance (Leak Number C-0288-99) occurred on March 22, 1999 and the release status is reported as closed as of October 4, 2000.

The facility is listed on the UST database. Facility ID 7089 is listed as having two 12,000-gallon diesel USTs that were installed on February 25, 1957 and were removed from the ground on July 26, 1990. The facility is listed as having two 12,000-gallon diesel USTs that were installed on February 26, 1975 and were removed from the ground on July 26, 1990. The facility is listed as having one 2,000-gallon used oil UST and one 6,000-gallon new oil UST that were installed on February 25, 1969 and were removed from the ground on June 7, 1990. The facility is listed as having one 600-gallon used oil UST that was installed on February 25, 1957 and was removed from the ground on January 1, 1986. The facility is listed as having one 6,000-gallon engine oil UST and one 2,000-gallon use oil UST that were installed on November 13, 1990 and are currently in use. The facility is listed as having one 25,000-gallon diesel UST that was installed on February 26, 1993 and is currently in use.

Americas Auto Village is listed at 11940 Middlebelt Road, between 0.125 and 0.25 mile south-southwest of the Site (Adjacent to the southwest). The facility is listed on the LUST and UST databases.

The facility is listed on the LUST database. Facility ID 3715 is reported as having one release of used oil (Leak Number C-0125-96). The release of used oil occurred on March 5, 1996 and the release status is reported as closed as of April 24, 1996.

The facility is listed on the UST database. Facility ID 3715 is listed as having one 560-gallon used oil UST that was installed on February 3, 1988 and removed from the ground on February 20, 1995.

Jiffy Lube Store #944 is listed at 11900 Middlebelt Road, between 0.25 and 0.5 mile south-southwest of the Site (Adjacent to the south). The facility is listed on the UST database. Facility ID 14745 is listed as having one 2,000-gallon used oil UST that was installed on October 13, 1988 and removed from the ground on September 18, 1995.

National Parts Distribution Center is listed at 11871 Middlebelt Road, between 0.25 and 0.5 mile south-southwest of the Site (Adjacent to the southwest). The facility is listed on the LUST and UST databases.

The facility is listed on the LUST database. Facility ID 33310 is reported as having three releases. A release of an unreported substance (Leak Number C-0055-90) occurred on January 9, 1990 and the release status is reported as closed as of March 14, 1997. A release of an unreported substance (Leak Number C-1901-90) occurred on September 23, 1990 and the release status is reported as closed as of March 14, 1997. A release of an unreported substance (Leak Number C-2059-90) occurred on October 15, 1990 and the release status is reported as closed as of March 14, 1997.

The facility is listed on the UST database. Facility ID 33310 is listed as having one 12,000-gallon and one 6,000-gallon gasoline USTs that were installed on January 23, 1968 and removed from the ground on September 27, 1990. The facility is listed as having one 500-gallon water and oil UST that was installed on January 23, 1970 and was removed from the ground on December 22, 1989. The facility is listed as having one 500-gallon water and gas UST that was removed from the ground on December 22, 1989.

Wonderland Auto Wash, Inc is listed at 29067 Plymouth Road, between 0.25 and 0.5 mile south-southeast of the Site. The facility is listed on the LUST database. Facility ID 15862 is reported as having one gasoline release (Leak Number C-0042-93) that occurred on January 11, 1993 and the release status is reported as open.

Michigan Dairy is listed at 29601 Industrial Road, between 0.25 and 0.5 mile north-northwest of the Site. The facility is listed on the LUST database. Facility ID 6306 is reported as having one release of an unknown substance (Leak Number C-1525-85) that occurred on July 23, 1991 and the release status is reported as closed as of July 23, 1991.

Middlebelt-Plymouth Venture LLC is listed at 29501 Plymouth Road, between 0.25 and 0.5 mile south-southwest of the Site. The facility is listed on the LUST and UST databases. Facility ID 1435 is reported as having one release of gasoline and used oil (Leak Number C-1403-01) that occurred on August 2, 2201 and the release status is reported as closed as of January 5, 2007.

The facility is listed on the UST database. Facility ID 1435 is listed as having five 1,000-gallon gallon used oil USTs that were installed on March 3, 1960 and two 15,000-gallon heating oil USTs that were installed on January 1, 1959. The facility is listed as having one 10,000-gallon gasoline UST, one 12,000-gallon gasoline UST, and one 6,000-gallon gasoline UST that were installed on March 3, 1981. All of the USTs listed were removed from the ground on April 14, 1993.

(Former) Montgomery Wards is listed at 29501 Plymouth Road, between 0.25 and 0.5 mile south-southwest of the Site. The facility is listed on the BEA database. The facility (BEA Number 1530) is listed in the non hazardous substance(s) category under the Storage Tank Division.

Wonderland Mall is listed at 29859 Plymouth Road, between 0.5 and 1 mile southwest of the Site. The facility is listed on the BEA database. The facility (BEA Number 3235) is listed in the different hazardous substance(s) category under the Storage Tank Division.

Price Gas #6 (Express Fueling) is listed at 13507 Middlebelt Road, between 0.5 and 1 mile north-northwest of the Site. The facility is listed on the LUST and UST databases. Facility ID 15080 is reported as having one release of an unknown subsatance (Leak Number C-1802-98) that occurred on November 2,1998 and the release status is reported as open.

The facility is listed on the UST database. Facility ID 15080 is listed as having two 12,000-gallon gallon gasoline USTs that were installed on December 1, 1960 and two 12,000-gallon diesel USTs that were installed on December 1, 1960 and were removed from the ground on May 13, 1999.

Speedy Muffler King is listed at 28411 Plymouth Road, between 0.5 and 1 mile southeast of the Site. The facility is listed on the LUST and UST databases. Facility ID 5202 is reported as having one release of gasoline (Leak Number C-0093-01) that occurred on May 27, 1997 and the release status is reported as open.

The facility is listed on the UST database. Facility ID 5202 is listed as having four gasoline USTs of an unreported capacity that were removed from the ground on January 16, 1987.

Ashley Livovnia A & P LLC is listed at 28400 Plymouth Road, between 0.5 and 1 mile southeast of the Site (adjacent to the southeast). The facility is listed on the LUST and UST databases. Facility ID 19080 is reported as having one release of an unknown substance (Leak Number C-0609-97) that occurred on July 21, 1997 and the release status is reported as closed as of November 5, 1997. The facility is also listed as having a release of an unknown substance (Leak Number C-0680-98) on December 12, 1989 and the release status is reported as closed as of September 30, 1998.

The facility is listed on the UST database. Facility ID 19080 is listed as having one 25,000-gallon #2 fuel oil UST and one 560-gallon used oil UST that were installed on May 5, 1974 and were removed from the ground on August 2, 1990. The facility is listed as having one 3,000-gallon and one 1,500-gallon water USTs that were installed on May 5, 1966 and were removed from the ground on August 2, 1990. The facility is listed as having one 8,000-gallon and one 5,000-gallon USTs of unknown substance that were removed from the ground on January 27, 2001. The facility is listed as having on 1,000-gallon gasoline UST that was installed on May 5, 1956 and one 2,500-gallon gasoline UST that was installed on May 5, 1972. Both gasoline USTs were removed from the ground on August 2, 1990.

Redford One Hour Cleaners is listed at 27312 Plymouth Road, greater than 1 mile east-southeast of the Site. The facility is listed on the SHWS database. Facility ID 82001781 is reported as having no status assigned.

Accurate Machine Services is listed at 12360 Merriman Road, greater than 1 mile west of the Site. The facility is listed on the SHWS database. Facility ID 82001493 is reported as having a status of inactive-no actions taken to address contamination and the source is listed as miscellaneous metal work. Pollutants are listed as cadmium, nickel, copper, and lead,

Munoz Machine Shop Livonia is listed at 12375 Merriman Road, greater than 1 mile west of the Site. The facility is listed on the SHWS database. Facility ID 82000070 is reported as having a status of interim response in progress and the source is listed as miscellaneous metal work. Pollutants are listed as oil and grease.

Based on their location and regulatory status, these properties are not expected to adversely affect the environmental condition of the Site. A compilation of State and Tribal database listings is provided in the EDR Radius Map Report provided in Appendix C.

A compilation of the State and Tribal database listings is provided in the EDR Radius Map Report provided in Appendix C.

4.4.4 Orphan Summary

ARCADIS reviewed the “Orphan Summary” section of the EDR Radius Map report, which is a list of sites that could not be properly located due to inadequate or incorrect information provided by the reporting agency. Upon review, the fourteen facilities listed in the Orphan summary do not appear to be related to the Site or otherwise located within the Approximate Minimum Search Distance for the above-referenced Federal and State regulatory databases.

4.5 Additional Environmental Records Sources

4.5.1 Fire Department

ARCADIS reviewed record cards and Site documents at the City of Livonia Fire Department (CLFD) Administration Building. ARCADIS’ review of the CLFD documents consisted of UST information which overall was consistent with the information obtained from the documentation obtained from the MDEQ (refer to Section 4.5.3), except for a set of “first generation” USTs were identified for the Site within the CLFD documents. Based on the records reviewed, the Site had a 1,000-gallon gasoline UST and 750-gallon light oil UST originally at the Site. The 1,000-gallon gasoline UST was removed on January 21, 1983 and replaced with the 10,000-gallon diesel fuel UST (UST ID 1). The status of the 750-gallon light oil UST is unknown.

Section 8.0 describes RECs associated with the USTs found in the Livonia Fire Department records.

4.5.2 Health Department

ARCADIS sent a Freedom of Information act (FOIA) request to the Wayne County Health Department on January 21, 2010 requesting to review all drill well, septic tank, drinking water, and other environmental records. The Health Department has not yet responded.

4.5.3 Michigan Department of Environmental Quality

ARCADIS submitted a FOIA request on January 14, 2010 to the MDEQ to obtain all available records regarding LUST, UST, and Part 201 documents for the Site. The MDEQ stated that they had documents within the Storage Tank Unit. The following documents were reviewed on February 4, 2010:

- Confirmed Release Notifications (September 1990 and January 1991)
- Tank Registration Invoice (June 1990)
- UST Removal and Closure Notifications (November 1990 through January 1996)
- Notification and Registration of USTs (April 1989 through January 1991)

Confirmed Release Notifications dated September 1990 and January 1991 were reviewed. The September 1990 Confirmed Release form referenced incident number C-1682-90. The presence of vapors in soil was discovered on September 4, 1990. The January 1991 Confirmed Release form reference incident number C-0027-91. The presence of product/vapors in soil was discovered on January 8, 1991.

UST Removal and Closure Notifications (dated November 1990 through January 1996) were reviewed. There was correspondence stating that the 10,000-gallon diesel UST (UST ID 1) was removed on May 17, 1989. UST ID 4, 5, 6, and 7 were scheduled to be removed on December 6, 1990. The Site requested to remove the 20,000-gallon gasoline UST (UST ID 2) in a letter to the Michigan DNRE dated January 11, 1996. Approval was given to remove the UST on or after February 16, 1996.

Originally 8 USTs were registered for the Site (UST ID 1, 2, 3, 4, 5, 6, 7, and 8). According to the Registration for Underground Storage Tanks form submitted on January 31, 1991, the facility should not have registered UST ID 3 and UST ID 8. UST ID 3 was identified as an emergency spill overfill containment system for the gasoline UST unloading. UST ID 8 was installed for overfill protection in case of a fire in the paint storage building. The document states that the paint storage building no longer exists and that the UST is out of service. The USTs were removed from the registration.

Additionally, ARCADIS searched the MDEQ - Underground and Leaking Underground Storage Tank online databases. The Site was listed on the Underground Storage Tank database as having 7 USTs.

The tanks in the following table were listed on the Underground Storage Tank (UST) database.

TankID	Capacity (gallons)	Description	Tank Status	Contents	Install Date
1	10,000	Fiberglass Reinforced Plastic	Removed from Ground	Diesel	5/1/1984
2	20,000	Fiberglass Reinforced Plastic	Removed from Ground	Gasoline	5/1/1980
4	6,000	Fiberglass Reinforced Plastic	Removed from Ground	Oil	5/1/1980
5	4,000	Fiberglass Reinforced Plastic	Removed from Ground	Oil	5/1/1980
6	20,000	Fiberglass Reinforced Plastic	Removed from Ground	Oil	5/1/1980
7	10,000	Fiberglass Reinforced Plastic	Removed from Ground	Oil	5/1/1980

The following table lists the status of leak identification numbers listed on the Leaking Underground Storage Tank (LUST) database.

Leak ID	Discovery Date	Substance Released	Release Status	Closed Date	Evaluation	Land Use Restrictions
C-1682-90	9/4/1990	Not listed	Closed	10/25/1996	Tier I Evaluation	None
C-0027-91	1/8/1991	Not listed	Closed	10/28/1996	Tier I Evaluation	None

Refer to Section 4.1.1 for additional detail regarding the above USTs and LUST incidents obtained from the previous environmental investigations.

Section 8.0 describes RECs associated with the USTs.

5.0 SITE RECONNAISSANCE

5.1 Methodology and Limiting Conditions

Ms. Moriah Bloom, Ms. Andrea Rayner, and Mr. Brad Saunders of ARCADIS (on behalf of ARCADIS) visited the Site on January 19, 2010. Ms. Robin Curcio, Environmental Engineer with General Motors LLC, accompanied Ms. Bloom, Ms. Rayner, and Mr. Saunders during the Site visit. Ms. Kim Tucker-Billingslea and Ms. Marilyn Dedyne of the General Motors LLC Worldwide Facilities Group Remediation Team were also present for the Site visit. The weather at the time of ARCADIS' investigation was cool and sunny, with a temperature of approximately 32 degrees Fahrenheit. ARCADIS inspected accessible areas of the Site buildings and the exterior grounds.

5.2 Current Site Use

The Site currently consists of a 1,258,000-square-foot industrial building that houses the Livonia Engine Plant, asphalt-paved parking areas, and vegetated landscaped areas. Buildings also include an Air Compressor Building and a wastewater treatment plant (WWTP).

Site activities include the manufacturing and assembly of engines. Production is scheduled to cease in June 2010, and decommissioning is scheduled to be completed in September 2010. Approximately 60% of the plant was idle at the time of the Site reconnaissance.

DTE Energy leases and operates a substation located on the northeast side of the Site. ARCADIS did not have access to this portion of the Site; however, observations were made from the substation perimeter.

5.3 Site Observations

5.3.1 Underground Storage Tanks (USTs)

TankID	Capacity (gallons)	Description	Contents	Install Date	Removal Date	Identified in EDR	Site Document	Site Recon
1	10,000	Fiberglass Reinforced Plastic	Diesel	5/1/1984	9/30/1990	Yes	Yes	No
2	20,000	Fiberglass Reinforced Plastic	Gasoline	5/1/1980	4/25/1996	Yes	Yes	No
3	4,000	Fiberglass Reinforced Plastic	Gasoline	Unknown	Unknown	No	Yes	No
4	6,000	Fiberglass Reinforced Plastic	Oil	5/1/1980	12/17/1990	Yes	yes	No
5	4,000	Fiberglass Reinforced Plastic	Oil	5/1/1980	12/17/1990	Yes	Yes	No
6	20,000	Fiberglass Reinforced Plastic	Oil	5/1/1980	12/17/1990	Yes	Yes	No
7	10,000	Fiberglass Reinforced Plastic	Oil	5/1/1980	12/17/1990	Yes	yes	No
8	100	Unknown	Paint	Unknown	Unknown	No	No	No
n/a	1,000	Unknown	Gasoline	10/7/1970	1/21/1983	No	No	No
n/a	750	Unknown	Light Oil	10/7/1970	Unknown	No	No	No

ARCADIS did not observe fill pipes, vent pipes or other evidence of USTs on the Site. Seven USTs existed in the northeastern portion of the Site. The USTs were installed in 1980s and have been removed. Additional information about the USTs is described in Section 4.1.1 and listed in the table above. A paint spill retention UST was located in the paint storage building in case of a fire within the building. The paint storage building was removed sometime before 1991, and the UST was described as out of service according to documents obtained from the Michigan Department of Environmental Quality.

Section 8.0 describes RECs associated with the USTs.

5.3.2 Aboveground Storage Tanks (ASTs)

ARCADIS observed 26 ASTs at the Site. The ASTs included the following:

Capacity (gallons)	Contents / Use	Location	Secondary Containment
6,817	Safety Kleen AW46 Hydraulic Oil	Oil Storage House Interior on the Northeastern Side of the Facility	Concrete Containment (54' x 27' x 3.5')
2,500	Chemico 5100 (Oil)	Oil Storage House Interior on the Northeastern Side of the Facility	Concrete Containment (54' x 27' x 3.5')
900	Peerless ALS 935 (soap)	Oil Storage House Interior on the Northeastern Side of the Facility	Concrete Containment (54' x 27' x 3.5')
1,362	Scum Oil (Used Oil)	WWTP Interior Ground Floor	Tile / Concrete Containment provided by 5-inch curb (71' x 30')
5,248	Concentrated Coolant	WWTP Interior Ground Floor	Tile / Concrete Containment provided by 5-inch curb (71' x 30')
5,248	Concentrated Coolant	WWTP Interior Ground Floor	Tile / Concrete Containment provided by 5-inch curb (71' x 30')
5,248	Concentrated Coolant	WWTP Interior Ground Floor	Tile / Concrete Containment provided by 5-inch curb (71' x 30')
800	Gasoline	Exterior west of the Oil Storage House and WWTP	Double-walled AST
200	Diesel	Exterior west of the Oil Storage House and WWTP	Double-walled AST
39,851	Used Machine Coolant Holding Tanks	WWTP Interior Basement	Containment provided by WWTP Basement and WWTP
39,851	Used Machine Coolant Holding Tanks	WWTP Interior Basement	Containment provided by WWTP Basement and WWTP
39,851	Used Machine Coolant Holding Tanks	WWTP Interior Basement	Containment provided by WWTP Basement and WWTP
39,851	Empty (formerly spent coolant)	WWTP Interior Basement	Containment provided by WWTP Basement and WWTP
39,851	Empty (formerly spent coolant)	WWTP Interior Basement	Containment provided by WWTP Basement and WWTP

Capacity (gallons)	Contents / Use	Location	Secondary Containment
40,422	Empty (formerly spent coolant)	WWTP Interior Basement	Containment provided by WWTP Basement and WWTP
12,000	Sludge Thickener (oily waste sludges) (SLTH)	WWTP Interior	Contained inside WWTP Building with Drains to WWTP
16,400	Engine Oil	Oil Storage House Interior on the Northeastern Side of the Facility	Concrete Containment (54' x 27' x 3.5')
16,400	Engine Oil	Oil Storage House Interior on the Northeastern Side of the Facility	Concrete Containment (54' x 27' x 3.5')
6,187	Hydraulic Oil	Oil Storage House Interior on the Northeastern Side of the Facility	Concrete Containment (54' x 27' x 3.5')
6,187	Engine Oil	Oil Storage House Interior on the Northeastern Side of the Facility	Concrete Containment (54' x 27' x 3.5')
3,520	Heavy Way Lube	Oil Storage House Interior on the Northeastern Side of the Facility	Concrete Containment (54' x 27' x 3.5')
1,600	Heavy Way Lube	Oil Storage House Interior on the Northeastern Side of the Facility	Concrete Containment (54' x 27' x 3.5')
3,000	Diesel Fuel L/U for Fire Pump House	Fire Pump House L/U on Eastern Exterior of Fire Pump House	None
184	Diesel Fuel	Fire Pump House Interior	350-gallon containment
184	Diesel Fuel	Fire Pump House Interior	180-gallon containment
286	Diesel Fuel	Fire Pump House Interior	365-gallon containment

The five 39,851-gallon tanks and one 40,422-gallon tank in the WWTP on the base floor are considered ASTs; however, due to construction and configuration, it was not possible to inspect the tanks for integrity as the bottom of the ASTs which also act as the foundation of the WWTP. The ASTs are constructed of concrete and are not double-walled. These tanks have not been required to be registered and have no leak detection.

No evidence of staining and/or leaking was observed in the vicinity of the ASTs listed above, and the interior floor surface was in good condition.

Section 8.0 describes RECs associated with the ASTs.

5.3.3 Hazardous Substance and Petroleum Use

ARCADIS observed totes, containers, drums and equipment with various chemicals and petroleum. The following materials are stored at the Site: Caustic Soda Solution 50%, Cleaners, Clearedge 6510 (Metal Removal Fluid), Dowtherm SR-1 Heat Transfer Fluid, Dyed, Gemway 220 (Hydraulic Oil), Gemway 68 (Hydraulic Oil), Hydraulic Oil, Lead Acid Batteries, Liquid Alum, Oils, Lubricants, Coolants, Refrigerant (Forane 22), Sulfuric Acid, and WS3-908F (Metal Removal Fluid). ASTs with petroleum product are listed in the table in Section 5.3.2.

Transformer oil is contained in the two 6,000-gallon transformers located in the DTE substation east of the WWTP.

The facility was previously listed a RCRA large quantity generator; however, the use of hazardous materials has been reduced to the level that the facility is now identified as RCRA Small Quantity Generator. According to the Contingency Plan, last revised November 23, 2009, typical hazardous waste generated at the facility included:

- Waste Aerosols (D001, D005, and D035);
- Waste Paint (F003, F005, D001, and D035);
- Video Jet Ink (F005, D001, D018, and D035);
- Paint Rags and Media (D001, D007, D008, D035, F003 and F005); and
- Lead Waste from the Rod Line.

Hazardous waste was containerized and moved to a 90-day hazardous waste storage pad located in the middle of the south side of the WWTP prior to shipment off-site. This area was observed with a drum of paint waste during the Site visit. The hazardous waste storage area is an enamel-coated concrete containment area for drums and smaller containers. The area has no drainage. Lead waste from the Rod Line was accumulated in a 20 cubic yard roll-off box located between G-23 and D-23 in the Main Building.

The manufacturing portion of the Site plant has multiple industrial machines and equipment that house large volumes of coolant as a part of the operational process. These machines are situated in areas engineered to capture coolant that may be spilled and/or transfer coolant to the respective galleries for processing. The engineering controls in place include a 2-inch by 3-inch drain surrounding the perimeter of the machining areas, and a sump to collect the drainage from the perimeter drain. According to information obtained from interviews, Site reconnaissance observations, and from Site drawings, the perimeter drains are concrete lined, covered with a grate and are engineered to slope towards a sump located at the lowest corner of the drainage system. Based on ARCADIS' review of the Site drawings, it appears there are six sumps associated with the machining line and Coolant Galleries. There is one in each coolant gallery and one associated with each machining area. A series of below-grade flumes transfer coolant pumped from sump pumps in the machining lines to one of three Coolant Galleries for processing. The flumes are constructed of steel and are enclosed in concrete. Once pumped, the coolant travels via gravity through the flumes to the coolant galleries to the equipment. The slope of the flumes varies from a 1/8 inch slope per foot to a 1/2 inch slope per foot depending on the area of the flume. Based on the review of the Site drawings it appears there are three of these engineered machining areas are located in the plant.

There were three Coolant Galleries located at the Site. The Coolant Galleries house the tanks that provide coolant to the equipment. The Coolant Galleries were located in three basement areas with concrete walls and floors. There was evidence of leaking in the Coolant Galleries. Oil stains were observed on the walls and floors of two of the three coolant galleries. Oil appears to be leaking from equipment above the Coolant Gallery. The staining was black and extended from the floor level down an approximately 20 foot wall to the basement floor surface.

Oil filled equipment obtained from the Spill Prevention Control and Countermeasure Plan includes the following:

Capacity (gallons)	Contents / Use	Location	Secondary Containment
89	Steel General Trash Compactor/Hydraulic Oil	Main Building Interior at M-6A	50 gallon steel containment pan
440	(4) 110-gallon Compressor Reservoir /Compressor Oil	Compressor Building Interior	Contained inside Compressor Building

Capacity (gallons)	Contents / Use	Location	Secondary Containment
270	Steel Personnel Elevator Reservoir /Hydraulic Oil	Main Building Interior at M-6A	Contained in Basement of WWTP
120	Steel Personnel Elevator Reservoir /Hydraulic Oil	Main Building Interior at F-5 (Cafeteria)	Contained in Elevator Room in Main Building
600	(2) 300-gal. Steel Freight Elevator Reservoir / Hydraulic Oil	Main Building Interior at G-22	Main Building Interior at G-22
25,000	Single Wall Steel Reservoir/ Coolant Oil	Crank Gallery D-13 (Gen III Crank Machine)	Gallery or Building Floor
5,000	Single Wall Steel Reservoir / Coolant Oil	Crank Gallery D-13 (Gen III Crank Grind)	Gallery or Building Floor
7,000	Single Wall Steel Reservoir / Coolant Oil	East Gallery N-14 (Northstar Rod Micro Coolant)	Gallery or Building Floor
5,000	Single Wall Steel Reservoir / Coolant Oil	East Gallery N-14 (Northstar Rod Grind)	Gallery or Building Floor
25,000	Single Wall Steel Reservoir / Coolant Oil	East Gallery N-14 (Northstar Rod Machine)	Gallery or Building Floor
12,000	Single Wall Steel Reservoir / Coolant Oil	East Gallery N-14 (Northstar RWD OP40)	Gallery or Building Floor
1,000	Single Wall Steel Reservoir / Lubricating Oil	Gen III Crank Lapper Inside Plant	Plant Floor
60,000	(60) 1,000-gal. Single Wall Steel Reservoirs / Lubricant Oil	Gen III PV6 Cranks Minor Coolant Systems D2-D11	Plant Floor
350,000	(100) 3,500-gal. Single Wall Steel Reservoirs / Coolant Oil	Gen IV Block Minor Coolant Systems J2, J3, J7-L7, K8, L4, M4, M5, M7	Plant Floor

Capacity (gallons)	Contents / Use	Location	Secondary Containment
8,000	Single Wall Steel Reservoir / Lubricating Oil	Gen IV Block Grind	Plant Floor
183,060	(60) 3,051-gal. Single Wall Steel Reservoirs / Lubricating Oil	PV6 Crank Minor Coolant Systems D-2 - D-12 (Idle-being removed)	Plant Floor
156,000	(60) 2,600-gal. Single Wall Steel Reservoirs / Coolant Oil	PV-8 Block Minor Coolant Systems E3-E12, F1-F8	Plant Floor
183,060	(60) 3,051-gal. Single Wall Steel Reservoirs / Coolant Oil	V-8 Head Minor Coolant Systems A2W-A18W, A2E-A18E, B12W-B15W, C12E-C17E, C14W-C17W	Plant Floor
300,000	(100) 3,000-gal. Single Wall Steel Reservoirs / Lubricating Oil	PV6 Rear Wheel Drive Block, G21, H16, J14-J19	Plant Floor
90,000	Single Wall Steel Reservoir (Gen IV Block Transfer)/ Lubricating Oil	South Gallery D-22/24 - M-22/24	Plant Floor
90,000	Single Wall Steel Reservoir / Lubricating Oil	Gen IV Block Agile	Building or Gallery Floor
91,000	Single Wall Steel Reservoir (Northstar Head Coolant) / Coolant Oil	South Gallery D-22/24 - M-22/24	Building or Gallery Floor
90,000	Single Wall Steel Reservoir (Northstar RWD Block)/ Lubricating Oil	South Gallery D-22/24 - M-22/24	Building or Gallery Floor
91,000	Single Wall Steel Reservoir / Coolant Oil	South Gallery D-22/24 - M-22/24	Building or Gallery Floor
4,000	Single Wall Steel Reservoir / Lubricating Oil	Northstar Rod Machine Inside Plant	Plant Floor

Capacity (gallons)	Contents / Use	Location	Secondary Containment
9,000	(60) 150-gal. Single Wall Steel Reservoirs / Coolant Oil	PV8 Rod Line Minor Coolant Systems M6-M9, N5, N11	Plant Floor

Section 8.0 describes RECs associated with this Section.

5.3.4 Unlabeled Drums/Containers

ARCADIS did not observe unlabeled drums or containers at the Site. See Section 5.3.5 for additional information about drums.

5.3.5 Stained Soil or Pavement

There was significant rust staining on the east side of the WWTP. Equipment such as dumpsters, empty drums, and containers were being stored in this area. The staining was confined to the concrete and the concrete was in fair condition.

There was staining on the concrete in the wash pad area on the north side of the WWTP.

5.3.6 Stains or Corrosion

There was evidence of leaking in the Coolant Galleries at the time of the Site reconnaissance, as oil stains were observed on the walls and floors of two of the three coolant galleries. The staining was black and extended from the floor level down an approximately 20 foot wall to the basement floor surface. Interviews confirmed knowledge of the leakage of oily water into the Galleries..

There was also staining observed on the basement wall within the WWTP. The concrete floor in these areas was observed in good condition with no seams or cracks in the vicinity of the staining.

Some de minimis surface staining was also observed throughout the facility floor.

Section 8.0 describes RECs associated with this Section.

5.3.7 Stressed Vegetation

ARCADIS did not observe evidence of stressed vegetation. The majority of the Site consisted of improved impervious surfaces.

5.3.8 Polychlorinated Biphenyls (PCBs)

ARCADIS did not observe PCB containing equipment at the Site. Site personnel were unaware of PCB-containing equipment, and indicated that PCB-containing wastes were not generated at the Site. ARCADIS was not able to enter the DTE substation area on the east side of the WWTP. It is unknown whether the transformers within this area contain PCBs. The substation is leased and operated by DTE.

5.3.9 Solid Waste/Dumping

ARCADIS did observe evidence of dumping of solid waste at the Site. Interviews with Site personnel and records reviewed did not indicate that the Site had been used for dumping. The Site has an area on the east side of the WWTP which is used to store empty containers, empty drums, and dumpsters. The equipment is being stored on a paved surface. The dumpsters and roll-offs are provided by Waste Management. Additional information about this area is provided in Section 5.3.5.

5.3.10 Site Drainage

Stormwater from the main plant building, roof and surrounding area discharges through outfall STO-001. Outfall STO-001 leads to the municipal storm sewer system at Middlebelt Road. Storm water from the WWTP and surrounding area discharges to a storm sewer and outfall STO-002, located south of the main building and adjacent to Camden Road. The municipal storm sewer system discharges to the Shaw Drain. The Shaw Drain drains to the Rouge River. All other storm drains and interior building drains go to the WWTP which treats the intake and discharges to the City of Livonia municipal system.

Based on ARCADIS' review of the Site drawings it appears there are nine sumps located on the Site, three in the WWTP basement, one in each coolant gallery, and one associated with each machining area. The sumps located in the WWTP pump back into the WWTP intake, and the sumps in the galleries and the machining areas pump back in to the coolant galleries. According to Site personnel, much of the drainage collected in the WWTP sumps is groundwater which infiltrates into the WWTP basement and sumps. ARCADIS observed several of the sumps at the Site. One of the sumps in the WWTP basement was not functioning properly. Water was overflowing out of the sump. ARCADIS also was not able to evaluate the integrity of the sumps.

Section 8.0 describes RECs associated with this Section.

Storm drains not connected to the WWTP discharge through a local drainage network to the Shaw Drain in Wayne County. The Site has a general stormwater permit which authorizes the discharge of industrial contact storm water, with certificate of coverage number MIS210318. As required by the storm water permit, The Site maintains a Stormwater Pollution Prevention Plan (SWPPP) to mitigate risks associated with stormwater.

5.3.11 Pits, Ponds, Lagoons and Pools of Liquid

ARCADIS did not observe pits, ponds, lagoons or pools of liquid on the Site. With the exception of interior sumps and basement areas, Site personnel did not indicate that pits, ponds or lagoons existed at the Site.

5.3.12 Wastewater

Wastewater discharged to the municipal sewer system includes sanitary wastewater and pretreated process wastewater from the WWTP.

The Site has a wastewater discharge permit (006-27477-IU) through the Detroit Water and Sewerage Department (DWSD). The sampling box is located on the first floor of the WWTP. Wastewater is generated from floor washing, parts washing and cutting fluids. Site personnel indicated that this wastewater is typically approximately 5% oil and 95% water. The wastewater is pretreated at the on-site WWTP prior to being discharged to the city sewer. The waste oil that is separated from the water is sent to a treatment facility for recycling.

5.3.13 Wells

ARCADIS did not observe dry wells, irrigation wells, injection wells, monitoring wells or abandoned wells at the Site. The City of Livonia passed a Prohibition on the Use of Groundwater on July 20, 2009, restricting the installation of water withdrawal wells for using groundwater within the city limits.

5.3.14 Septic Systems

ARCADIS did not observe evidence of septic systems at the Site. Site personnel and records indicated that septic systems have not existed at the Site since it was developed as a manufacturing facility, and the Site has been connected to the municipal sewer system since that time.

5.3.15 Odors

ARCADIS did not note readily noticeable strong, pungent, or noxious odors at the time of the Site visit.

5.3.16 Other Observations

No other significant Site observations were noted at the time of the Site visit.

6.0 INTERVIEWS

6.1 Interview with Owner/Key Site Manager

ARCADIS provided a questionnaire to Mr. Bob Hare, Site Manager for MLC. The completed questionnaire has not yet been received.

ARCADIS interviewed Ms. Robin Curcio, Environmental Engineer with General Motors LLC, at the time of the assessment. Kim Tucker-Billingslea and Marilyn Dedyne of the GM LLC Worldwide Facilities Group Remediation Team were also interviewed during the Site visit.

Information provided by these individuals is presented throughout the report.

6.2 Site Occupants

The Site was occupied by General Motors LLC at the time of the Site visit. General Motors LLC leases the property from MLC.

6.3 Interviews with Local Regulatory Agencies

Research conducted at local regulatory offices has been summarized in Sections 4.5. No additional interviews with local regulatory agencies were conducted.

6.4 Interviews with Others

ARCADIS interviewed various Site personnel during the Site assessment.

7.0 FINDINGS/OPINION

This section identifies known or suspect environmental concerns, historical environmental concerns, and *de minimis* conditions obtained during the ESA.

7.1 Known or Suspect Environmental Concerns

ARCADIS performed a Phase I ESA in conformance with the scope and limitations of ASTM Practice E 1527-05 of the property located at 12200 Middlebelt, City of Livonia (Wayne County), Michigan. Any exceptions to, or deletions from, this practice are described in Section 9 of this report.

This assessment has revealed the following RECs associated with the Site:

- On-site operations and activities associated with engine manufacturing and assembly activities from 1971 to the present primarily involved wet machining. Based on information obtained from interviews with the Site representatives, former plant operations and activities also previously included plating operations from 1971 to the early 1990s, isocyanate impregnation, small-scale degreasing activities, and painting. Management practices and the integrity of structures associated with on-site usage, storage and waste generation of petroleum products, solvents, and other hazardous materials associated with these operations and activities cannot be confirmed during the period of operation.
- The status of a 100-gallon paint retention UST is unknown. The UST was used in case of a fire in the paint storage building. Based on documents reviewed at the Michigan DNRE, it appears that the UST was located under the Paint Storage Building and is still in the ground. Review of Site drawings and interviews with Site personnel did not reveal the location of the Paint Storage Building. The status of a 750-gallon oil UST is also unknown. The 750-gallon oil UST was installed in 1970 on the north side of the main building according to records obtained from the Livonia Fire Department. It is unclear whether this UST was removed from the ground. The Site and Michigan DNRE did not have records of this UST.
- ARCADIS' review of historical aerial photographs and topographic maps, revealed that a series of railroad spurs extending from the north-adjacent railroad tracks were formerly located on the Site. The railroad spurs entered the Site from the northeast and extended north-south across the eastern portion of the Site to the plant facility. Interviews indicated that machined metal chips were formerly stored and transported off-site in rail cars. In addition, the potential exists for other materials to have been loaded/unloaded at the Site and transported on the spurs. Potential impacts from releases associated with these activities are unknown. In addition, railroad ties were typically preserved with creosote, which over time has the potential for impacting the surrounding surfaces.
- Five 39,851-gallon tanks and one 40,422-gallon tank in the WWTP on the base floor are considered ASTs; however, due to construction and configuration, it was not possible to inspect the tanks for integrity as the bottom of the ASTs also act as the foundation of the WWTP. Three tanks contains used machine coolant and the other 3 tanks are empty (formerly contained spent coolant). The ASTs are constructed of concrete and are not double-walled. These tanks have not been required to be registered and have no leak detection.
- The following describe below-grade sumps, flumes, or otherwise drainage areas at the Site where the current and historic integrity of structures could not be confirmed:

- Sumps associated with each machining line – The manufacturing portion of the Site plant has multiple industrial machines and equipment that house large volumes of coolant as a part of the operational process. These machines are situated in areas engineered to capture coolant that may be spilled and/or transfer coolant to the respective galleries for processing. The engineering controls in place include a 2-inch by 3-inch drain surrounding the perimeter of the machining areas, and a sump to collect the drainage from the perimeter drain. According to information obtained from interviews, Site reconnaissance observations, and from Site drawings, the perimeter drains are concrete lined, covered with a grate and are engineered to slope towards a sump located at the lowest corner of the drainage system. Based on ARCADIS' review of the Site drawings, it appears there are six sumps associated with the machining line and Coolant Galleries. There is one in each coolant gallery and one associated with each machining area.
- Flumes – A series of below-grade flumes transfer coolant pumped from sump pumps in the machining lines to one of three Coolant Galleries for processing. The flumes are constructed of steel and are enclosed in concrete. Once pumped, the coolant travels via gravity through the flumes to the coolant galleries to the equipment. The slope of the flumes varies from a 1/8 inch slope per foot to a 1/2 inch slope per foot depending on the area of the flume.
- Sumps in WWTP – Three sumps exist in the WWTP basement. The sumps located in the WWTP collect drainage and pump it back into the WWTP intake. According to Site personnel, much of the drainage collected is groundwater which infiltrates into the WWTP basement and sumps.
- Wash pad on north side – Machining and associated equipment is drained and prepped for transportation on the wash pad located on the north side of the WWTP. Some material washing also takes place in this area. Residual staining was observed on the concrete. There was a storm drain situated in the middle of the pad, which discharges back to the WWTP. The concrete was observed to be in fair condition; however, open seams and cracks were also observed.
- Three Coolant Galleries exist in the basement level of the manufacturing building at the Site, primarily below the depth of sumps and flumes. There was evidence of leaking in the Coolant Galleries at the time of the Site reconnaissance, as oil stains were observed on the walls and floors of two of the three coolant galleries. The staining was black and extended from the floor level down an approximately 20 foot wall to the basement floor surface. Interviews confirmed knowledge of the leakage of oily water into the Galleries.

Other Environmental Concerns:

- The City of Livonia Fire Station #4, located adjacent to the Site to the west, had a Leaking Underground Storage Tank (LUST) which was reported on May 28, 1996. Diesel was released from the tank (Leak Number: C-0339-96). Samples were collected May 28, 1996 through June 11, 1996, and submitted for laboratory analysis of the applicable constituents. The Traverse Group submitted a closure report to the Michigan DNRE (formally MDEQ) on June, 21, 1996 for release ID C-0339-96. Michigan DNRE issued a closure letter with no institutional controls on July 8, 1996 for the LUST Incident C-0339-96. There are currently no USTs on this property.
- There was significant rust staining on the east side of the WWTP. Equipment such as dumpsters, empty drums, and containers were being stored in this area. The staining was confined to the concrete, which was observed to be in fair condition at the time of the Site reconnaissance.

7.2 Historical Recognized Environmental Conditions

This assessment revealed the following historical RECs (HRECs) associated with the Site.

- According to the EDR report, the site had two LUST incidents. The release date for the leak number C-1682-90 was September 4, 1990. The release was closed on October 25, 1996. The release date for leak number C-0027-91 was January 8, 1991. The substance released was not reported. The release was closed on October 28, 1996.

7.3 De Minimis Conditions

De minimis environmental conditions at the Site include the following:

- De minimis surface staining was observed in on the east side of the WWTP. There was staining on the concrete in the fuel loading area on the north side of the WWTP.

8.0 CONCLUSIONS

ARCADIS performed a Phase I ESA in conformance with the scope and limitations of ASTM Practice E 1527-05 of the property located at 12200 Middlebelt, City of Livonia (Wayne County), Michigan. Any exceptions to, or deletions from, this practice are described in Section 9 of this report.

This assessment has revealed the following RECs associated with the Site:

- On-site operations and activities associated with engine manufacturing and assembly activities from 1971 to the present primarily involved wet machining. Based on information obtained from interviews with the Site representatives, former plant operations and activities also previously included plating operations from 1971 to the early 1990s, isocyanate impregnation, small-scale degreasing activities, and painting. Management practices and the integrity of structures associated with on-site usage, storage and waste generation of petroleum products, solvents, and other hazardous materials associated with these operations and activities cannot be confirmed during the period of operation.
- The status of a 100-gallon paint retention UST is unknown. The UST was used in case of a fire in the paint storage building. Based on documents reviewed at the Michigan DNRE, it appears that the UST was located under the Paint Storage Building and is still in the ground. Review of Site drawings and interviews with Site personnel did not reveal the location of the Paint Storage Building. The status of a 750-gallon oil UST is also unknown. The 750-gallon oil UST was installed in 1970 on the north side of the main building according to records obtained from the Livonia Fire Department. It is unclear whether this UST was removed from the ground. The Site and Michigan DNRE did not have records of this UST.
- ARCADIS' review of historical aerial photographs and topographic maps, revealed that a series of railroad spurs extending from the north-adjacent railroad tracks were formerly located on the Site. The railroad spurs entered the Site from the northeast and extended north-south across the eastern portion of the Site to the plant facility. Interviews indicated that machined metal chips were formerly stored and transported off-site in rail cars. In addition, the potential exists for other materials to have been loaded/unloaded at the Site and transported on the spurs. Potential impacts from releases associated with these activities is unknown. In addition, railroad ties were typically preserved with creosote, which over time has the potential for impacting the surrounding surfaces.
- Five 39,851-gallon tanks and one 40,422-gallon tank in the WWTP on the base floor are considered ASTs; however, due to construction and configuration, it was not possible to inspect the tanks for integrity as the bottom of the ASTs also act as the foundation of the WWTP. Three tanks contains used machine coolant and the other 3 tanks are empty (formerly contained spent coolant). The ASTs are constructed of concrete and are not double-walled. These tanks have not been required to be registered and have no leak detection.

- The following describe below-grade sumps, flumes, or otherwise drainage areas at the Site where the current and historic integrity of structures could not be confirmed:
- Sumps associated with each machining line – The manufacturing portion of the Site plant has multiple industrial machines and equipment that house large volumes of coolant as a part of the operational process. These machines are situated in areas engineered to capture coolant that may be spilled and/or transfer coolant to the respective galleries for processing. The engineering controls in place include a 2-inch by 3-inch drain surrounding the perimeter of the machining areas, and a sump to collect the drainage from the perimeter drain. According to information obtained from interviews, Site reconnaissance observations, and from Site drawings, the perimeter drains are concrete lined, covered with a grate and are engineered to slope towards a sump located at the lowest corner of the drainage system. Based on ARCADIS' review of the Site drawings, it appears there are six sumps associated with the machining line and Coolant Galleries. There is one in each coolant gallery and one associated with each machining area.
- Flumes – A series of below-grade flumes transfer coolant pumped from sump pumps in the machining lines to one of three Coolant Galleries for processing. The flumes are constructed of steel and are enclosed in concrete. Once pumped, the coolant travels via gravity through the flumes to the coolant galleries to the equipment. The slope of the flumes varies from a 1/8 inch slope per foot to a 1/2 inch slope per foot depending on the area of the flume.
- Sumps in WWTP – Three sumps exist in the WWTP basement. The sumps located in the WWTP collect drainage and pump it back into the WWTP intake. According to Site personnel, much of the drainage collected is groundwater which infiltrates into the WWTP basement and sumps.
- Wash pad on north side – Machining and associated equipment is drained and prepped for transportation on the wash pad located on the north side of the WWTP. Some material washing also takes place in this area. Residual staining was observed on the concrete. There was a storm drain situated in the middle of the pad, which discharges back to the WWTP. The concrete was observed to be in fair condition; however, open seams and cracks were also observed.
- Three Coolant Galleries exist in the basement level of the manufacturing building at the Site, primarily below the depth of sumps and flumes. There was evidence of leaking in the Coolant Galleries at the time of the Site reconnaissance, as oil stains were observed on the walls and floors of two of the three coolant galleries. The staining was black and extended from the floor level down an approximately 20 foot wall to the basement floor surface. Interviews confirmed knowledge of the leakage of oily water into the Galleries.

Other Environmental Concerns:

- The City of Livonia Fire Station #4, located adjacent to the Site to the west, had a Leaking Underground Storage Tank (LUST) which was reported on May 28, 1996. Diesel was released from the tank (Leak Number: C-0339-96). Samples were collected May 28, 1996 through June 11, 1996, and submitted for laboratory analysis of the applicable constituents. The Traverse Group submitted a closure report to the Michigan DNRE (formally MDEQ) on June, 21, 1996 for release ID C-0339-96. Michigan DNRE issued a closure letter with no institutional controls on July 8, 1996 for the LUST Incident C-0339-96. There are currently no USTs on this property.
- There was significant rust staining on the east side of the WWTP. Equipment such as dumpsters, empty drums, and containers were being stored in this area. The staining was confined to the concrete, which was observed to be in fair condition at the time of the Site reconnaissance.

9.0 DEVIATIONS/DATA GAPS

ARCADIS has not received answers to the questionnaire submitted to Bob Hare.

10.0 ADDITIONAL SERVICES

No additional services were provided as part of the Phase I ESA.

11.0 SIGNATURES OF ENVIRONMENTAL PROFESSIONALS

I declare that, to the best of my professional knowledge and belief, I meet the definition of environmental professional as defined in §312.10 of 40 C.F.R. 312. I, have the specific qualifications based on education, training, and experience to assess a property of the nature, history, and setting of the subject property. I have developed and performed all appropriate inquiries in conformance with the standards and practices set forth in 40 C.F.R. Part 312.



Douglas M. Lindsay, PG, LSP
Senior Geologist



For

Brad Saunders, P.E.
Principal Engineer

12.0 REFERENCES

City of Livonia

- Fire Department
- City of Livonia Online Property Inquiry
(<http://www.ci.livonia.mi.us/tabid/113/Departments/Assessor/OnlinePropertyInquiry.aspx>)

Wayne County

- Health Department

State of Michigan

- Michigan Department of Natural Resources and the Environment Storage Tank Unit
- Michigan Department of Natural Resources and Environment Underground Storage Tank and Leaking Underground Storage Tank Database

Reports, Plans and Other Documents Reviewed:

EDR:

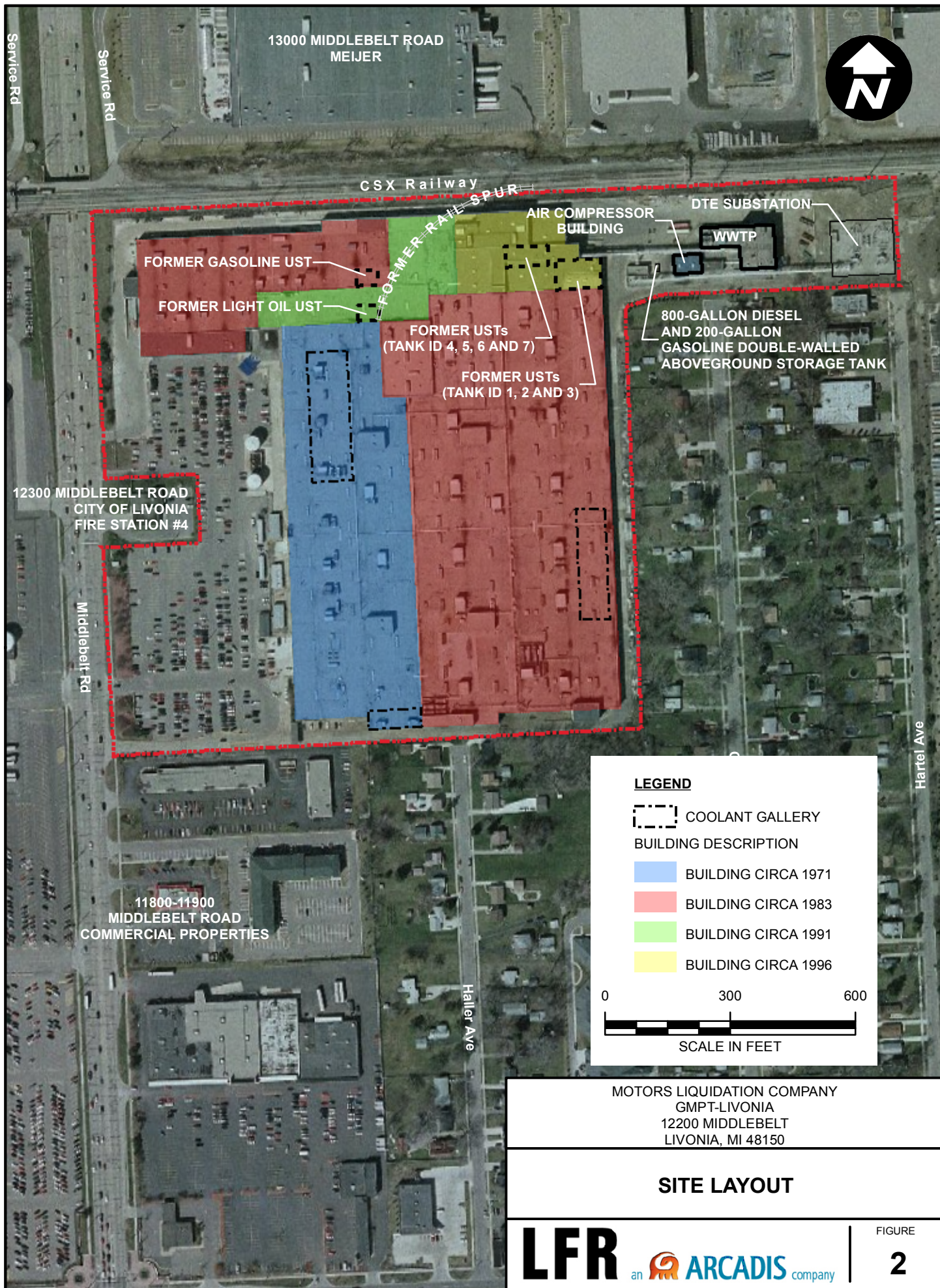
- *The EDR Aerial Photo Decade Package*, Inquiry Number 2672081.5, January 7, 2010, GMPT Livonia, 12200 Middlebelt Road, Livonia, MI 48150.
- *The EDR Radius Map with GeoCheck*, Inquiry Number 2672081.2s, January 6, 2010, GMPT Livonia, 12200 Middlebelt Road, Livonia, MI 48150.
- *The EDR Sanborn Map Report*, Inquiry Number 2672081.3, January 6, 2010, GMPT Livonia, 12200 Middlebelt Road, Livonia, MI 48150 (No maps available).
- *The EDR Topographic Map Report*, Inquiry Number 2672081.4, January 6, 2010, GMPT Livonia, 12200 Middlebelt Road, Livonia, MI 48150.
- *The EDR City Directory Abstract*, Inquiry Number 2672081.6, January 8, 2010, GMPT Livonia, 12200 Middlebelt Road, Livonia, MI 48150.
- *The EDR Site Report – ERNS Site Specific Report*, January 6, 2010, GMPT Livonia, 12200 Middlebelt Road, Livonia, MI 48150.

Previous Environmental Reports Reviewed:

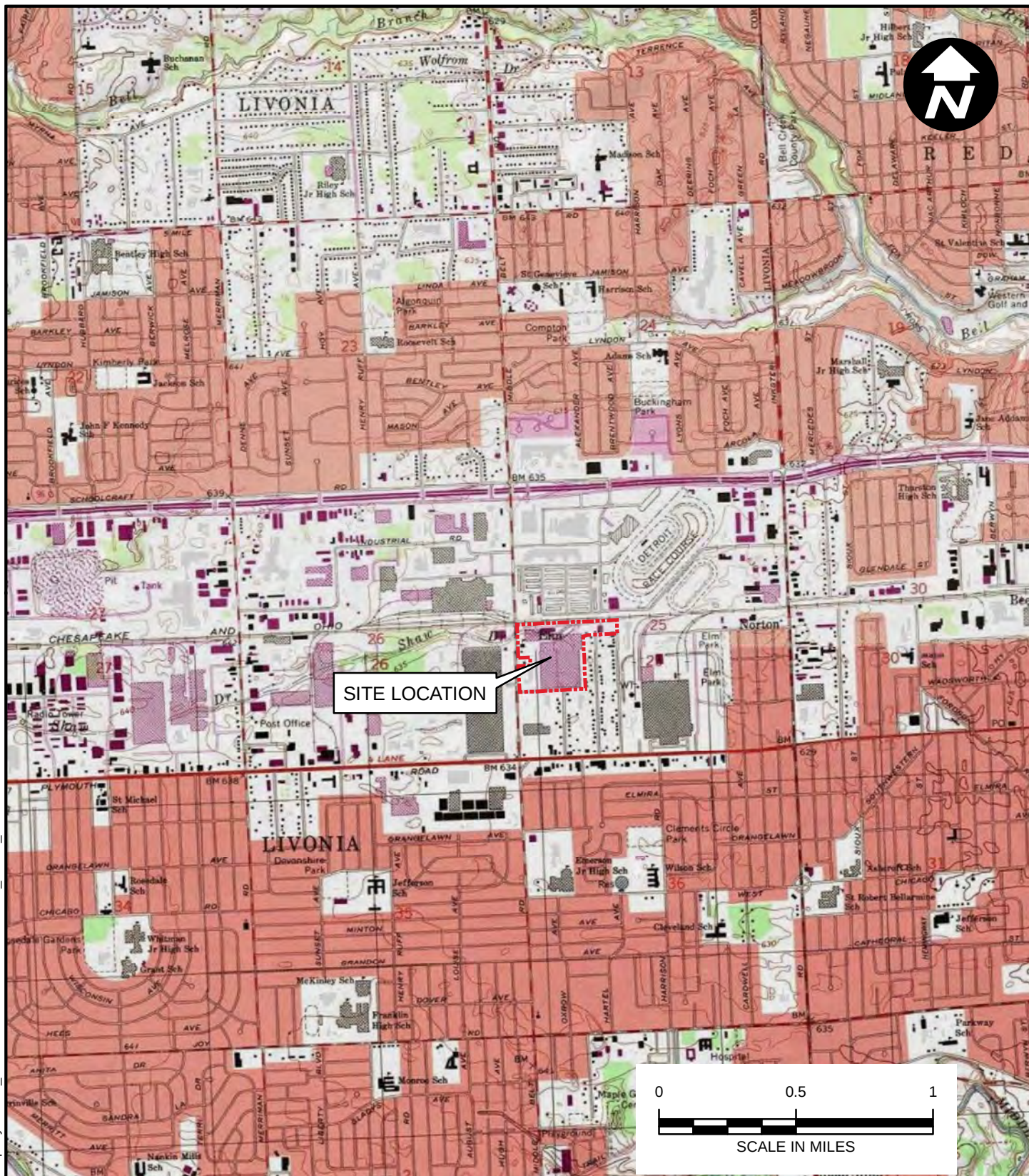
- Site Assessment Related to Underground Storage Tank Removal BOC Powertrain – Livonia Engine completed by The Avedt Group, INC. Engineers and Scientists dated October 26, 1989.
- Initial Abatement Steps as Follow-up to a Confirmed Regulated Substance Release completed by GM Engine Division dated January 28, 1991.
- Site Assessment for UST Nos. 4, 5, 6, and 7 Removal completed by The Chester Engineers dated February 22, 1991
- Work Plan for Hydrogeological Site Investigation in the Area of USTs 1, 2, 4, 5, 6, 7 completed by The Chester Engineers dated May 15, 1991.
- Leaking Underground Storage Tank Closure Report completed by The Traverse Group dated June 11, 1996.
- Leaking Underground Storage Tank Closure Report Completed by The Traverse Group dated August 23, 1996
- Remediation Cost Estimate Summary completed by ARCADIS an ARCADIS company dated October 2009.

FIGURES





PROJECT NUMBER: CITY: NOV DIV/GROUP: ENV DB: PIC: PM: TM: TR: G:\GIS\Project Files\MotorsLiquidationCompany\GMPT_Livonia\Documents\SiteLocation_GMPT_Livonia.mxd



MOTORS LIQUIDATION COMPANY
GMPT-LIVONIA
12200 MIDDLEBELT
LIVONIA, MI 48150

USGS TOPOGRAPHIC MAP

LFR an **ARCADIS** company

FIGURE

3

APPENDIX A

User Questionnaire



ENVIRONMENTAL MANAGEMENT & CONSULTING ENGINEERING

Phase I Environmental Site Assessment Questionnaire

(User Provided Information Questionnaire)

Date: April 6, 2010

Site Name: GMPT - Livonia Your Name: Robert Hare

Site Location: 12200 Middlebelt Road, Livonia, MI Your Title: Project Mgr.

Relationship to Site: ☐ Owner ☐ Occupant ☐ Purchaser ☒ Other

Length of Time Associated with Site: _____

Please review and complete this questionnaire which will assist LFR in completing our site assessment. If sufficient space is not provided, please complete your response on a separate sheet of paper and attach it to this questionnaire.

1. Are you aware of any environmental cleanup liens against the Site that are filed or recorded under federal, tribal, state or local law?

☐ Yes ☐ No ☒ Unknown ☐ N/A

If Yes, please explain: _____

2. Are you aware of any activity or land use limitations, such as engineering controls (for contaminant control), land use restrictions or institutional controls, that are in place at the Site and/or have been filed or recorded in a registry under federal, tribal, state or local law?

☐ Yes ☐ No ☒ Unknown ☐ N/A

If Yes, please explain: _____



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

☐ Yes ☒ No ☐ Unknown ☐ N/A

If Yes, please explain: _____

4. Are you aware of commonly known or reasonably ascertainable information about the Site 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 Site?

☒ Yes ☐ No ☐ Unknown ☐ N/A

If Yes, please explain: Wet machining operation with sumps and pits. _____

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

☐ Yes ☐ No ☒ Unknown ☐ N/A

If Yes, please explain: _____

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

☐ Yes ☐ No ☒ Unknown ☐ N/A

If Yes, please explain: _____

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

☐ Yes ☐ No ☒ Unknown ☐ N/A

If Yes, please explain: _____



5. Do you know of any pending, threatened, or past litigation relevant to hazardous substances or petroleum products in, on, or from the Site?

☐ Yes ☐ No ☒ Unknown ☐ N/A

If Yes, please explain: _____

6. Do you know of any pending, threatened, or past administrative proceedings relevant to hazardous substances or petroleum products in, on or from the Site?

☐ Yes ☐ No ☒ Unknown ☐ N/A

If Yes, please explain: _____

7. 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 at the Site?

☐ Yes ☐ No ☒ Unknown ☐ N/A

If Yes, please explain: _____

8. Based on your knowledge and experience related to the Site are there any obvious indicators that point to the presence or likely presence of contamination at the Site?

☐ Yes ☐ No ☒ Unknown ☐ N/A

If Yes, please explain: _____

9. Does the Site's purchase price reasonably reflect the fair market value of the property?



☐ Yes

☐ No

☒ Unknown

☐ N/A

If No, do you know the reason for lower purchase price? Is it possible that the lower purchase price is because of contamination known or believed to be present at the Site?

☐ Yes

☐ No

☐ Unknown

☐ N/A

If Yes, please explain: _____

APPENDIX B

Historical Research Documentation

Aerial Photographs

GMPT Livonia

12200 Middlebelt Road

Livonia, MI 48150

Inquiry Number: 2672081.5

January 07, 2010

The EDR Aerial Photo Decade Package

EDR Aerial Photo Decade Package

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. EDRs professional researchers provide digitally reproduced historical aerial photographs, and when available, provide one photo per decade.

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.

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with any questions or comments.

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Date EDR Searched Historical Sources:

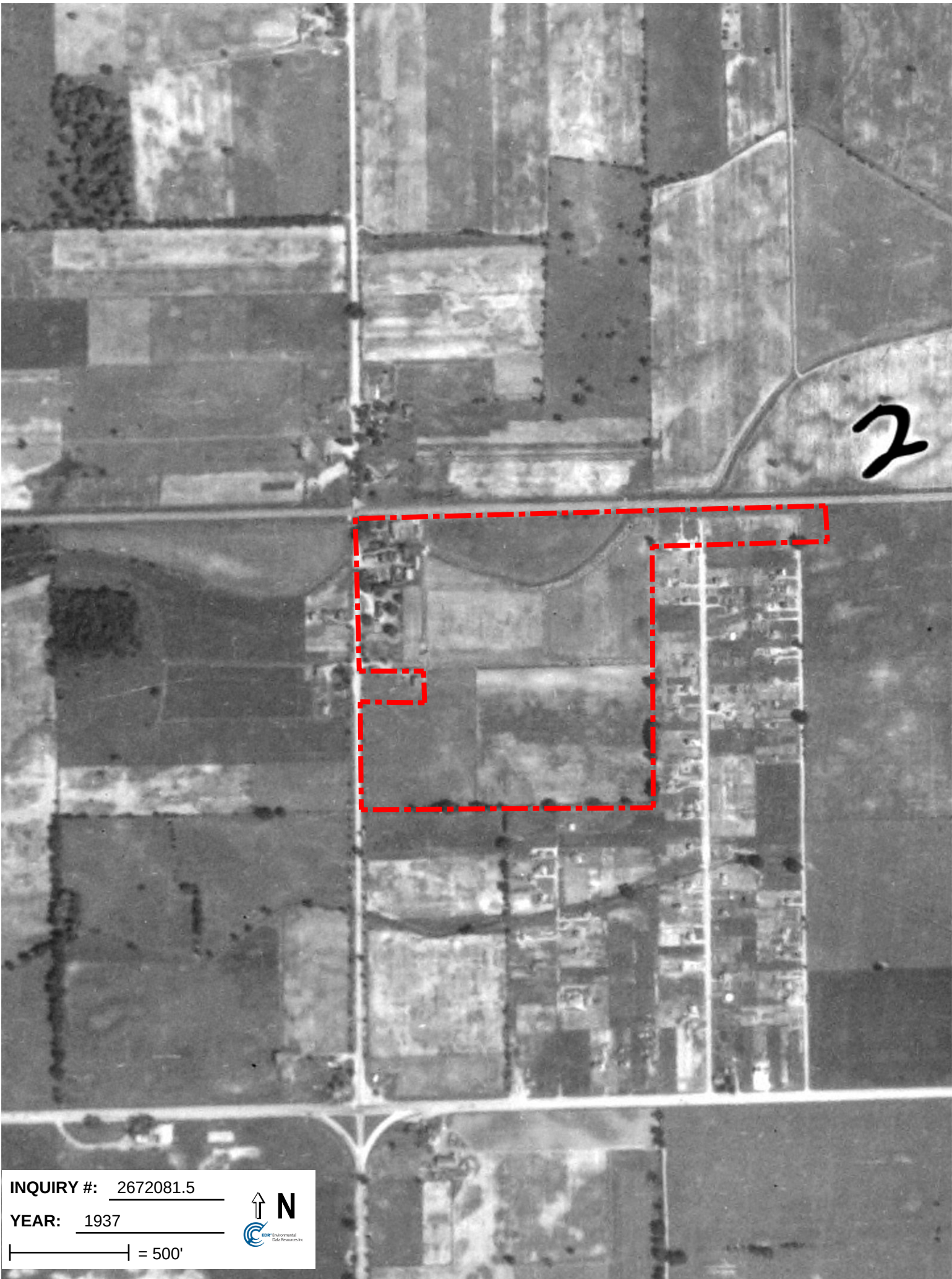
Aerial Photography January 07, 2010

Target Property:

12200 Middlebelt Road

Livonia, MI 48150

<u>Year</u>	<u>Scale</u>	<u>Details</u>	<u>Source</u>
1937	Aerial Photograph. Scale: 1"=500'	Flight Year: 1937	AAA
1940	Aerial Photograph. Scale: 1"=500'	Flight Year: 1940	AAA
1949	Aerial Photograph. Scale: 1"=500'	Flight Year: 1949	Detroit Edison
1957	Aerial Photograph. Scale: 1"=500'	Flight Year: 1957	CSS
1961	Aerial Photograph. Scale: 1"=500'	Flight Year: 1961	Detroit Edison
1967	Aerial Photograph. Scale: 1"=500'	Flight Year: 1967 Best Copy Available from original source	Detroit Edison
1972	Aerial Photograph. Scale: 1"=600'	Flight Year: 1972	ASCS
1985	Aerial Photograph. Scale: 1"=500'	Flight Year: 1985	SEMCOG
1993	Aerial Photograph. Scale: 1"=600'	Flight Year: 1993	NAPP
2000	Aerial Photograph. Scale: 1"=500'	Flight Year: 2000	SEMCOG
2005	Aerial Photograph. 1" = 604'	Flight Year: 2005	EDR



INQUIRY #: 2672081.5

YEAR: 1937

| = 500'





INQUIRY #: 2672081.5

YEAR: 1940

| = 500'





INQUIRY #: 2672081.5

YEAR: 1949

| = 500'



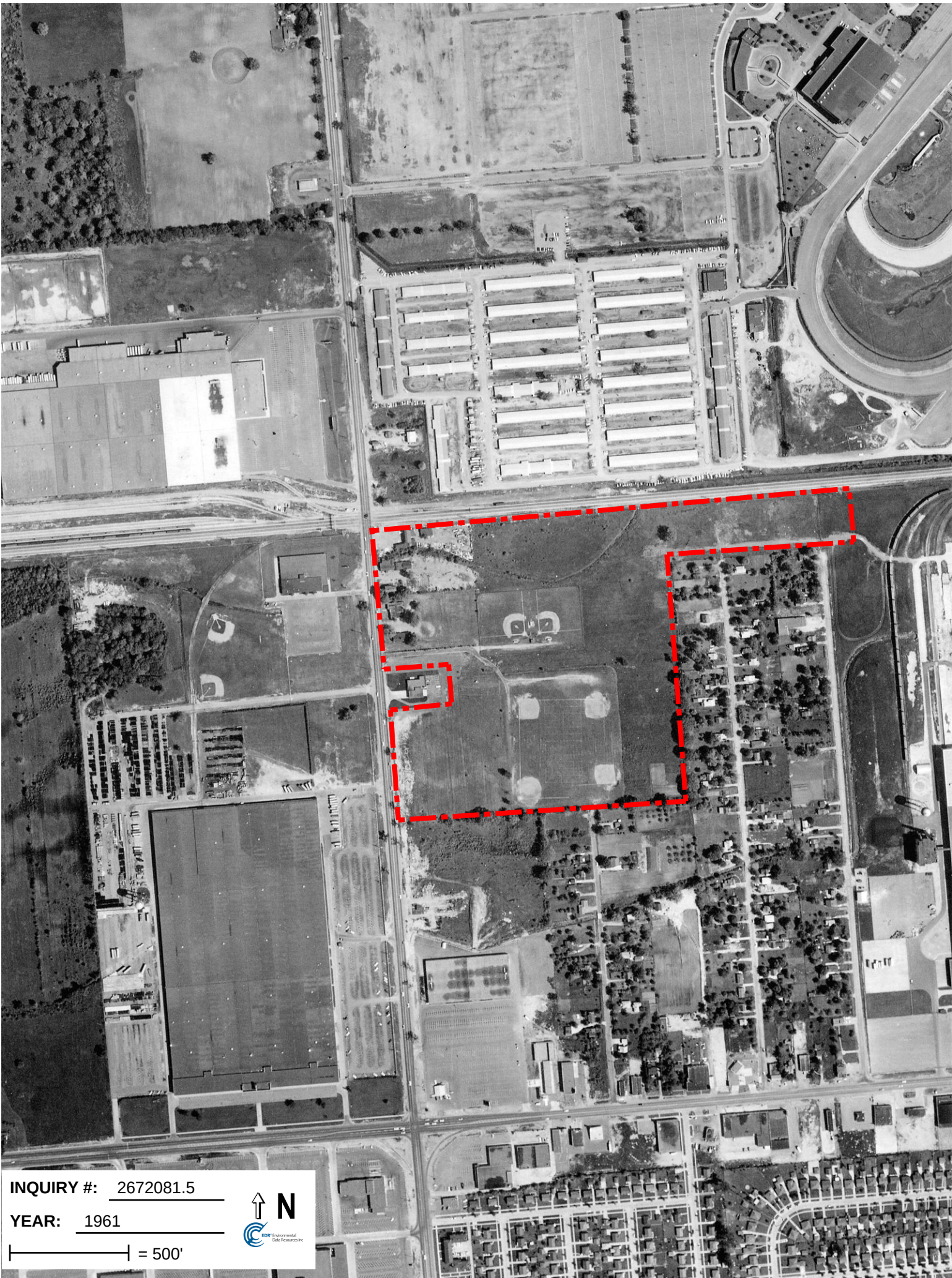


INQUIRY #: 2672081.5

YEAR: 1957

| = 500'



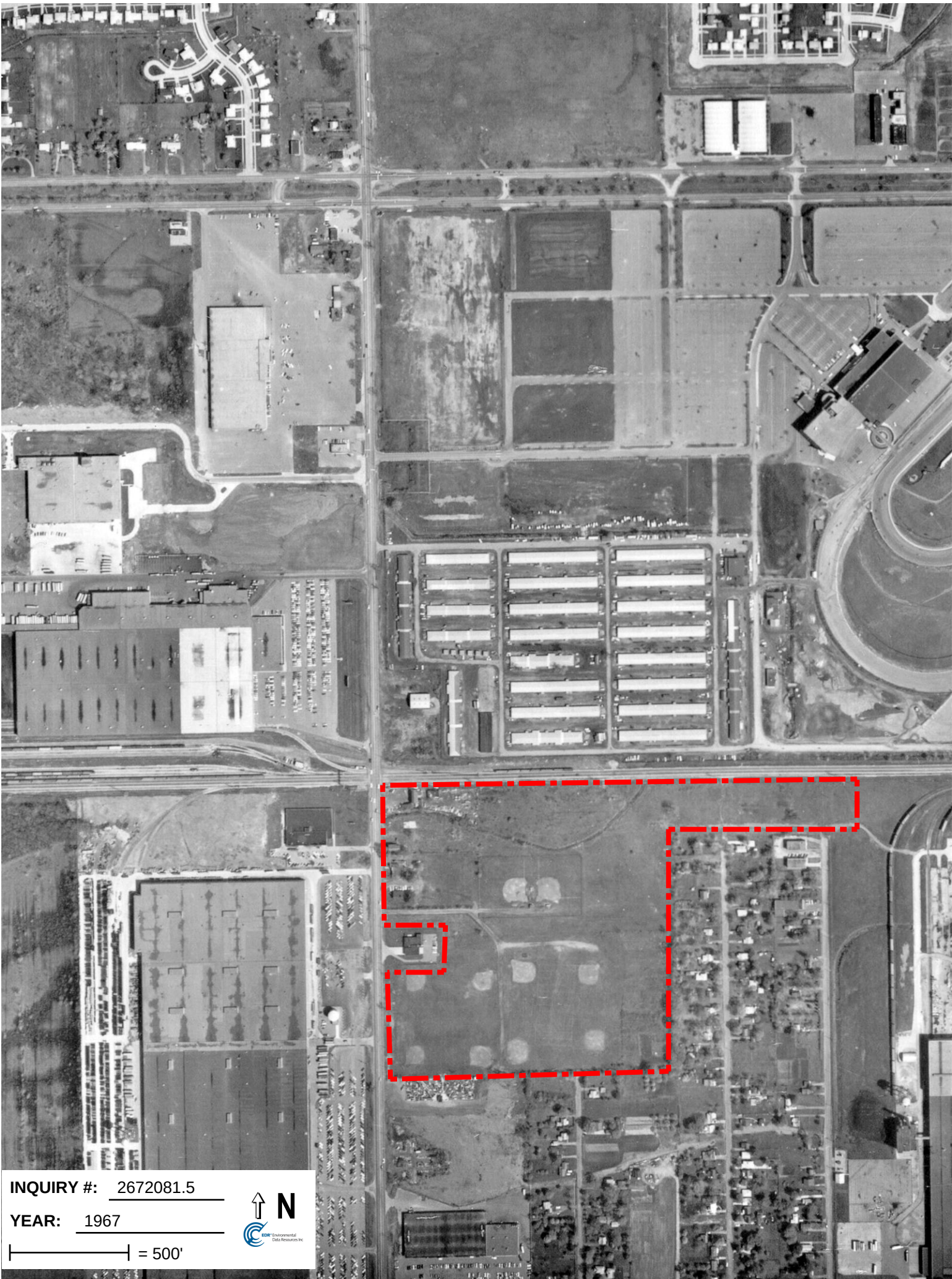


INQUIRY #: 2672081.5

YEAR: 1961

| = 500'





INQUIRY #: 2672081.5

YEAR: 1967

| = 500'



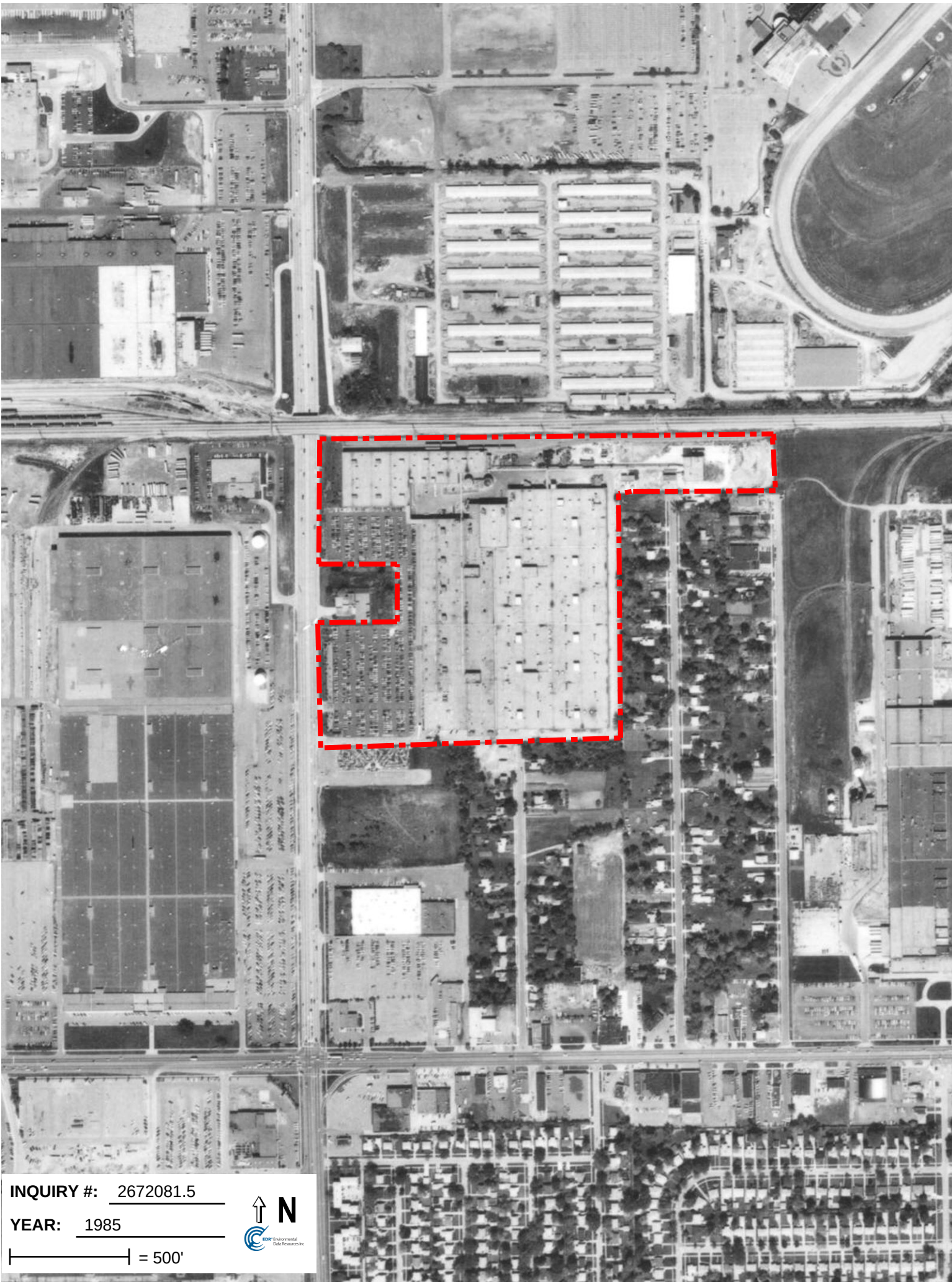


INQUIRY #: 2672081.5

YEAR: 1972

— = 600'





INQUIRY #: 2672081.5

YEAR: 1985

| = 500'





INQUIRY #: 2672081.5

YEAR: 1993

| = 600'





INQUIRY #: 2672081.5

YEAR: 2000

| = 500'





INQUIRY #: 2672081.5

YEAR: 2005

| = 604'



Sanborn Maps

GMPT Livonia

12200 Middlebelt Road

Livonia, MI 48150

Inquiry Number: 2672081.3

January 06, 2010

Certified Sanborn® Map Report

Certified Sanborn® Map Report

1/06/10

Site Name:

GMPT Livonia
12200 Middlebelt Road
Livonia, MI 48150

Client Name:

ARCADIS U.S., Inc.
28550 Cabot Drive
Novi, MI 48377



Environmental Data Resources Inc

EDR Inquiry # 2672081.3

Contact: Moriah Bloom

The complete Sanborn Library collection has been searched by EDR, and fire insurance maps covering the target property location provided by ARCADIS U.S., Inc. were identified for the years listed below. The certified Sanborn Library search results in this report can be authenticated by visiting www.edrnet.com/sanborn and entering the certification number. Only Environmental Data Resources Inc. (EDR) is authorized to grant rights for commercial reproduction of maps by Sanborn Library LLC, the copyright holder for the collection.

Certified Sanborn Results:

Site Name: GMPT Livonia
Address: 12200 Middlebelt Road
City, State, Zip: Livonia, MI 48150
Cross Street:
P.O. # LFR Phase I for GMPT Livonia
Project: CO000LFR.000S.00001
Certification # 255D-433B-B476



Sanborn® Library search results
Certification # 255D-433B-B476

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.

The Sanborn Library includes more than 1.2 million Sanborn fire insurance maps, which track historical property usage in approximately 12,000 American cities and towns. Collections searched:

- ☒ Library of Congress
- ☒ University Publications of America
- ☒ EDR Private Collection

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City Directory Abstract

GMPT Livonia

12200 Middlebelt Road
Livonia, MI 48150

Inquiry Number: 2672081.6
January 08, 2010

The EDR-City Directory Abstract

TABLE OF CONTENTS

SECTION

Executive Summary

Findings

Thank you for your business.

Please contact EDR at 1-800-352-0050
with any questions or comments.

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2009 Enhancements to EDR City Directory Abstract

New for 2009, the EDR City Directory Abstract has been enhanced with additional information and features. These enhancements will make your city directory research process more efficient, flexible, and insightful than ever before. The enhancements will improve the options for selecting adjoining properties, and will speed up your review of the report.

City Directory Report. Three important enhancements have been made to the EDR City Directory Abstract:

1. *Executive Summary.* The report begins with an Executive Summary that lists the sources consulted in the preparation of the report. Where available, a parcel map is also provided within the report, showing the locations of properties researched.
2. *Page Images.* Where available, the actual page source images will be included in the Appendix, so that you can review them for information that may provide additional insight. EDR has copyright permission to include these images.
3. *Findings Listed by Location.* Another useful enhancement is that findings are now grouped by address. This will significantly reduce the time you need to review your abstracts. Findings are provided under each property address, listed in reverse chronological order and referencing the source for each entry.

Options for Selecting Adjoining Properties. Ensuring that the right adjoining property addresses are searched is one of the biggest challenges that environmental professionals face when conducting city directory historical research. EDR's new enhancements make it easier for you to meet this challenge. Now, when you place an order for the EDR City Directory Abstract, you have the following choices for determining which addresses should be researched.

1. *You Select Addresses and EDR Selects Addresses.* Use the "Add Another Address" feature to specify the addresses you want researched. Your selections will be supplemented by addresses selected by EDR researchers using our established research methods. Where available, a digital map will be shown, indicating property lines overlaid on a color aerial photo and their corresponding addresses. Simply use the address list below the map to check off which properties shown on the map you want to include. You may also select other addresses using the "Add Another Address" feature at the bottom of the list.
2. *EDR Selects Addresses.* Choose this method if you want EDR's researchers to select the addresses to be researched for you, using our established research methods.
3. *You Select Addresses.* Use this method for research based solely on the addresses you select or enter into the system.
4. *Hold City Directory Research Option.* If you choose to select your own adjoining addresses, you may pause production of your EDR City Directory Abstract report until you have had a chance to look at your other EDR reports and sources. Sources for property addresses include: your Certified Sanborn Map Report may show you the location of property addresses; the new EDR Property Tax Map Report may show the location of property addresses; and your field research can supplement these sources with additional address information. To use this capability, simply click "Hold City Directory research" box under "Other Options" at the bottom of the page. Once you have determined what addresses you want researched, go to your EDR Order Status page, select the EDR City Directory Abstract, and enter the addresses and submit for production.

Questions? Contact your EDR representative at 800-352-0050. For more information about all of EDR's 2009 report and service enhancements, visit www.edrnet.com/2009enhancements

EXECUTIVE SUMMARY

DESCRIPTION

Environmental Data Resources, Inc.'s (EDR) City Directory Abstract 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 Abstract includes a search and abstract of available city directory data. For each address, the directory lists the name of the corresponding occupant at five year intervals.

RESEARCH SUMMARY

The following research sources were consulted in the preparation of this report. An "X" indicates where information was identified in the source and provided in this report.

<u>Year</u>	<u>Source</u>	<u>TP</u>	<u>Adjoining</u>	<u>Text Abstract</u>	<u>Source Image</u>
2009	Bresser's Criss-Cross Directory	X	X	X	-
2004	Bresser's Criss-Cross Directory	X	X	X	-
1999	Bresser's Criss-Cross Directory	X	X	X	-
1994	Bresser's Criss-Cross Directory	X	X	X	-
1989	Bresser's Criss-Cross Directory	-	X	X	-
1984	Bresser's Criss-Cross Directory	X	X	X	-
1979	Bresser's Criss-Cross Directory	X	X	X	-
1973	Bresser's Criss-Cross Directory	X	X	X	-

FINDINGS

TARGET PROPERTY INFORMATION

ADDRESS

12200 Middlebelt Road
Livonia, MI 48150

FINDINGS DETAIL

Target Property research detail.

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2009	Compass Group USA, Inc.	Bresser's Criss-Cross Directory
	Electronic Data Systems Corp.	Bresser's Criss-Cross Directory
	General Motors Corp.	Bresser's Criss-Cross Directory
2004	No Return	Bresser's Criss-Cross Directory
1999	GM Pwrtrn. Lvn. Eng.	Bresser's Criss-Cross Directory
1994	General Motors	Bresser's Criss-Cross Directory
1984	Cadillac Motor Car	Bresser's Criss-Cross Directory
1979	Cadillac Motor Car	Bresser's Criss-Cross Directory
1973	Cadillac Motor Car	Bresser's Criss-Cross Directory

FINDINGS

ADJOINING PROPERTY DETAIL

The following Adjoining Property addresses were researched for this report. Detailed findings are provided for each address.

Middlebelt Road

Middlebelt Road

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2009	-No Other Addresses Listed 12200-12900 Block Middlebelt Road	Bresser's Criss-Cross Directory

11871 Middlebelt Road

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2009	Ford Motor Co.	Bresser's Criss-Cross Directory
1999	Ford Motor Co. Dvsns.	Bresser's Criss-Cross Directory
1994	Ford Motor Co.	Bresser's Criss-Cross Directory
1989	Ford Motor Co.	Bresser's Criss-Cross Directory
1984	Community Drug Abuse	Bresser's Criss-Cross Directory

11900 Middlebelt Road

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2009	All Tune & Lube	Bresser's Criss-Cross Directory
	Bodnar, Inc.	Bresser's Criss-Cross Directory
	Finish Line Oil & Lube	Bresser's Criss-Cross Directory
	Graff Concrete Cutting, Inc.	Bresser's Criss-Cross Directory
	Mirror Shine	Bresser's Criss-Cross Directory
	Motor City Auto Care, Inc.	Bresser's Criss-Cross Directory
	Motor City Quick Lube	Bresser's Criss-Cross Directory
2004	All Tune & Lube Motor Mate	Bresser's Criss-Cross Directory
	Cynamic Industries	Bresser's Criss-Cross Directory
	Graff Concrete Cutting, Inc.	Bresser's Criss-Cross Directory
	King's Auto Care	Bresser's Criss-Cross Directory
	Livonia Undercar Specialists	Bresser's Criss-Cross Directory
	Motor City Quick Lube	Bresser's Criss-Cross Directory
	USA Transmissions	Bresser's Criss-Cross Directory
1999	All Tune & Lube Mtrmx.	Bresser's Criss-Cross Directory
	Auto Conversions, Inc.	Bresser's Criss-Cross Directory
	Cynamic Cheml. Co.	Bresser's Criss-Cross Directory
	Graff Concrete Cutting, Inc.	Bresser's Criss-Cross Directory
	Snappy Rent A Car	Bresser's Criss-Cross Directory

FINDINGS

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1999	Tri Enterprises, Inc.	Bresser's Criss-Cross Directory
	USA Transmissions	Bresser's Criss-Cross Directory
1994	All Tune & Lube	Bresser's Criss-Cross Directory
	Auto One Glass Tint	Bresser's Criss-Cross Directory
	Graff Concrete Cutting, Inc.	Bresser's Criss-Cross Directory
	Snappy Rent A Car	Bresser's Criss-Cross Directory
	USA Transmissions	Bresser's Criss-Cross Directory
1989	A-1 Transmissions	Bresser's Criss-Cross Directory
	Foreign Car Connect	Bresser's Criss-Cross Directory
	Jiffy Lube	Bresser's Criss-Cross Directory
	Randy's Collision	Bresser's Criss-Cross Directory
	Ride Control, Inc.	Bresser's Criss-Cross Directory
	Tuff-Kote Dinol	Bresser's Criss-Cross Directory
1984	B. Ciccarelli	Bresser's Criss-Cross Directory
	Putt-Putt Golf	Bresser's Criss-Cross Directory
1979	Putt-Putt Golf	Bresser's Criss-Cross Directory
1973	Putt-Putt Golf Crs.	Bresser's Criss-Cross Directory

11940 Middlebelt Road

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2009	A 1 Mobility Center, Inc.	Bresser's Criss-Cross Directory
	DJ & B Enterprise, Inc.	Bresser's Criss-Cross Directory
2004	A 1 Mobility Center, Inc.	Bresser's Criss-Cross Directory
1999	Amigo Mobility Center	Bresser's Criss-Cross Directory
	Turbo Sales, LLC.	Bresser's Criss-Cross Directory
1989	Phillip's Auto Svc.	Bresser's Criss-Cross Directory

12300 Middlebelt Road

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2009	Livonia Firefighters Union	Bresser's Criss-Cross Directory
2004	City of Livonia DPW	Bresser's Criss-Cross Directory
	Livonia Firefighters Union	Bresser's Criss-Cross Directory
1994	Livonia Firefigher	Bresser's Criss-Cross Directory

12555 Middlebelt Road

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1979	Livn. Comm. Drg. Abse.	Bresser's Criss-Cross Directory
1973	Livonia Comm. Drug	Bresser's Criss-Cross Directory

FINDINGS

12601 Middlebelt Road

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1994	CMX Trkg., Inc.	Bresser's Criss-Cross Directory

12619 Middlebelt Road

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2004	CT Services, Inc.	Bresser's Criss-Cross Directory
	T Dsi	Bresser's Criss-Cross Directory
1999	Cordin Transport	Bresser's Criss-Cross Directory
	T Dsi	Bresser's Criss-Cross Directory
1989	Road Railer	Bresser's Criss-Cross Directory

12634 Middlebelt Road

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1999	B.D. Matkin Feed	Bresser's Criss-Cross Directory
1994	B.D. Matkin Feed	Bresser's Criss-Cross Directory
1989	B.D. Matkin Feed Co.	Bresser's Criss-Cross Directory
1973	Hawkin's Feed Co.	Bresser's Criss-Cross Directory

12699 Middlebelt Road

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1973	Chesapeake & Ohio Ry.	Bresser's Criss-Cross Directory

12701 Middlebelt Road

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2009	I & K Distributing	Bresser's Criss-Cross Directory
2004	Foodland Distributing	Bresser's Criss-Cross Directory
	Kemba Credit Union	Bresser's Criss-Cross Directory
1999	Foodland Distributors	Bresser's Criss-Cross Directory
	Kemba Credit Union	Bresser's Criss-Cross Directory
1994	Foodland Distributors	Bresser's Criss-Cross Directory
	Kemba Credit Union	Bresser's Criss-Cross Directory
1989	Foodland Distributors	Bresser's Criss-Cross Directory
	Kemba Credit Union	Bresser's Criss-Cross Directory
1984	The Kroger Co.	Bresser's Criss-Cross Directory
1979	The Kroger Co.	Bresser's Criss-Cross Directory
1973	Bi-Lo Super Mkts.	Bresser's Criss-Cross Directory
	Kroger Co.	Bresser's Criss-Cross Directory

FINDINGS

TARGET PROPERTY: ADDRESS NOT LISTED IN RESEARCH SOURCE

The following Target Property addresses were researched for this report, and the addresses were not listed in the research source.

Address Researched

12200 Middlebelt Road

Address Not Listed in Research Source

1989

ADJOINING PROPERTY: ADDRESSES NOT LISTED IN RESEARCH SOURCE

The following Adjoining Property addresses were researched for this report, and the addresses were not listed in research source.

Address Researched

11871 Middlebelt Road

11940 Middlebelt Road

12300 Middlebelt Road

12601 Middlebelt Road

12619 Middlebelt Road

12634 Middlebelt Road

Address Not Listed in Research Source

2004, 1979, 1973

1994, 1984, 1979, 1973

1999, 1989, 1984, 1979, 1973

1989, 1984, 1979, 1973

1994, 1984, 1979, 1973

1984, 1979

Topographic Maps

GMPT Livonia

12200 Middlebelt Road

Livonia, MI 48150

Inquiry Number: 2672081.4

January 06, 2010

The EDR Historical Topographic Map Report

EDR Historical Topographic Map Report

Environmental Data Resources, Inc.s (EDR) Historical Topographic Map Report is designed to assist professionals in evaluating potential liability on a target property resulting from past activities. EDRs Historical Topographic Map Report includes a search of a collection of public and private color historical topographic maps, dating back to the early 1900s.

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

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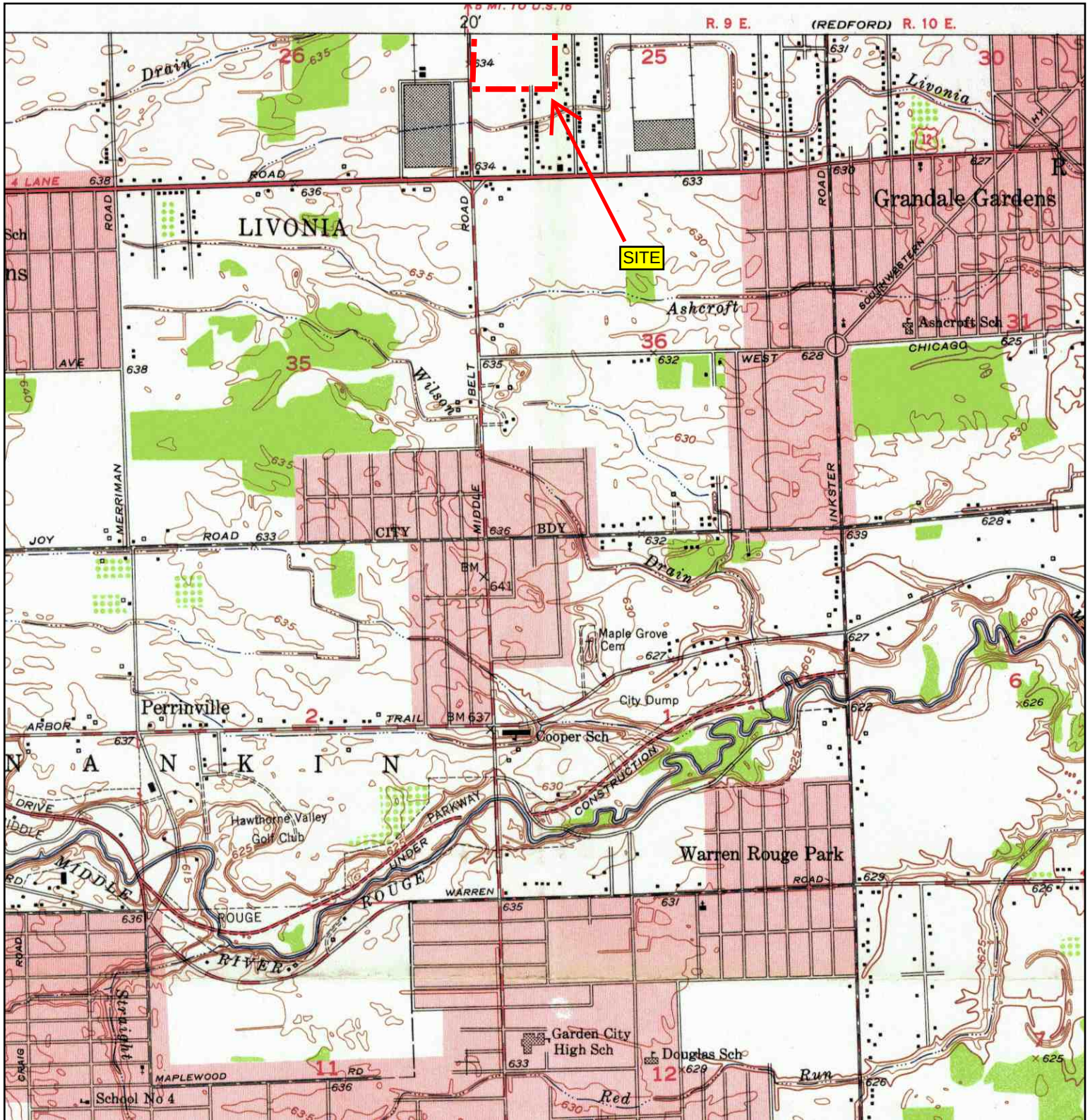
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Historical Topographic Map



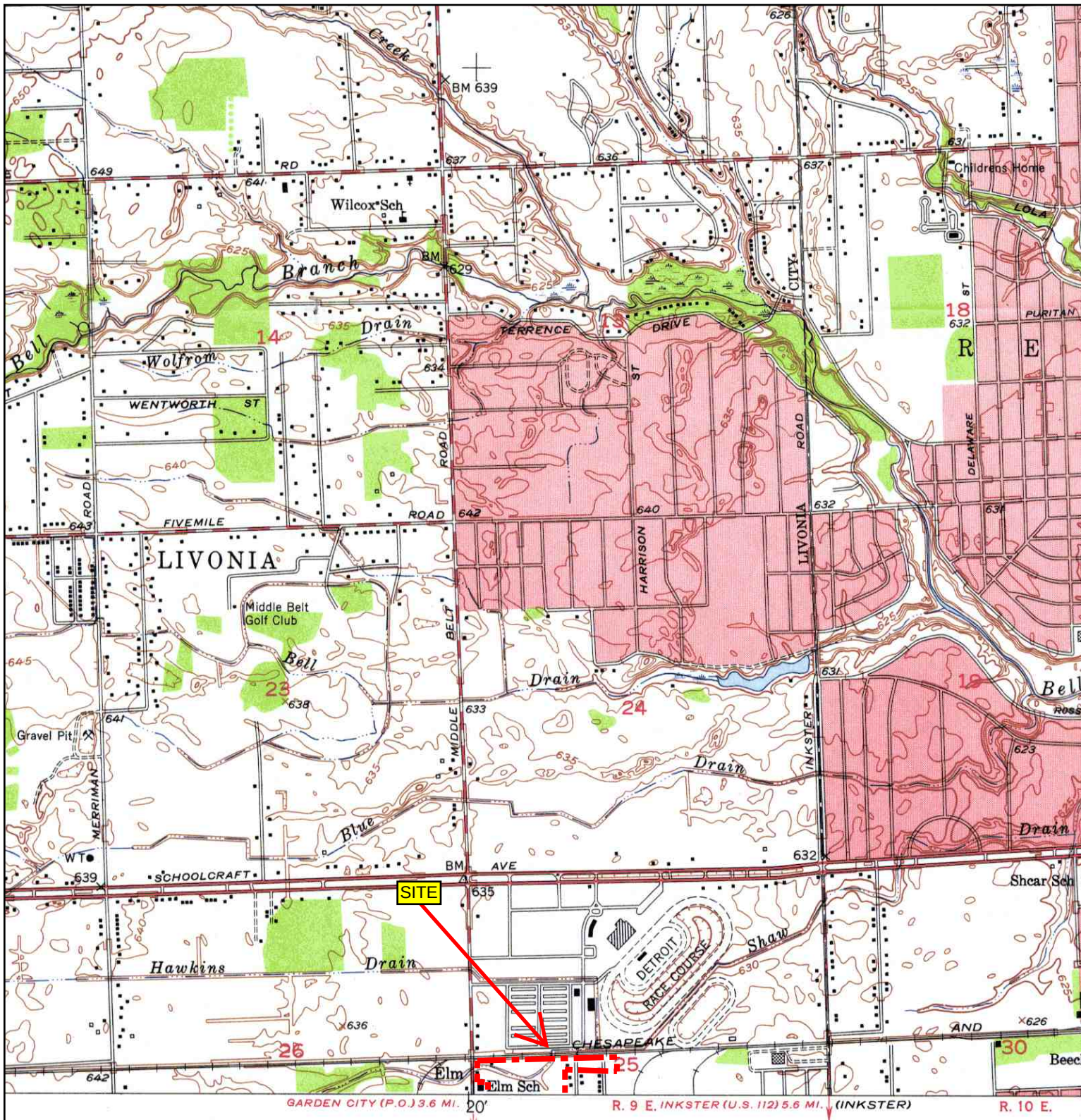
N ↑	TARGET QUAD NAME: WAYNE MAP YEAR: 1905 SERIES: 15 SCALE: 1:62500	SITE NAME: GMPT Livonia ADDRESS: 12200 Middlebelt Road Livonia, MI 48150 LAT/LONG: 42.375 / 83.3313	CLIENT: ARCADIS U.S., Inc. CONTACT: Moriah Bloom INQUIRY#: 2672081.4 RESEARCH DATE: 01/06/2010
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Historical Topographic Map



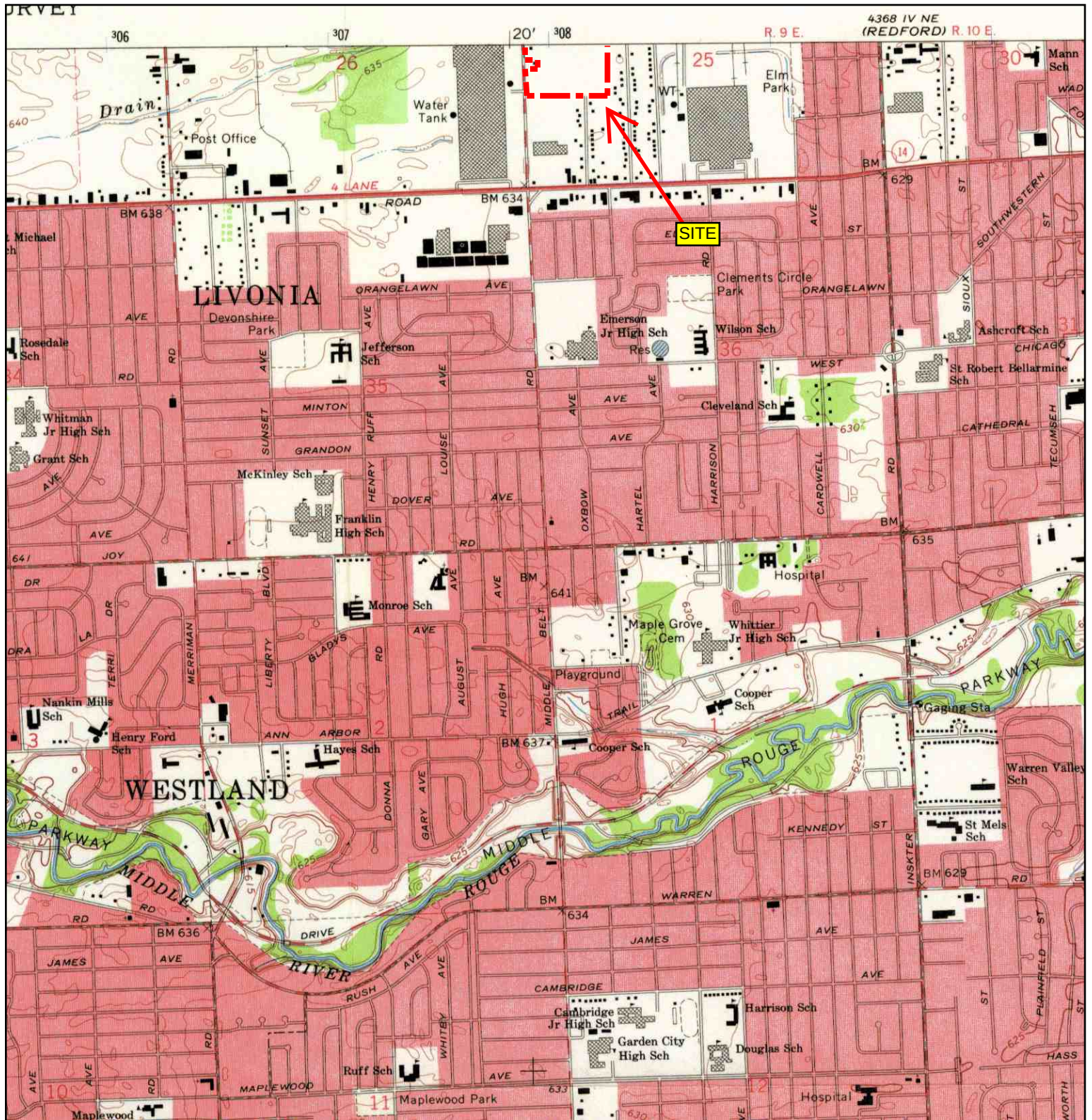
N ↑	TARGET QUAD NAME: INKSTER MAP YEAR: 1952 SERIES: 7.5 SCALE: 1:24000	SITE NAME: GMPT Livonia ADDRESS: 12200 Middlebelt Road Livonia, MI 48150 LAT/LONG: 42.375 / 83.3313	CLIENT: ARCADIS U.S., Inc. CONTACT: Moriah Bloom INQUIRY#: 2672081.4 RESEARCH DATE: 01/06/2010
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Historical Topographic Map



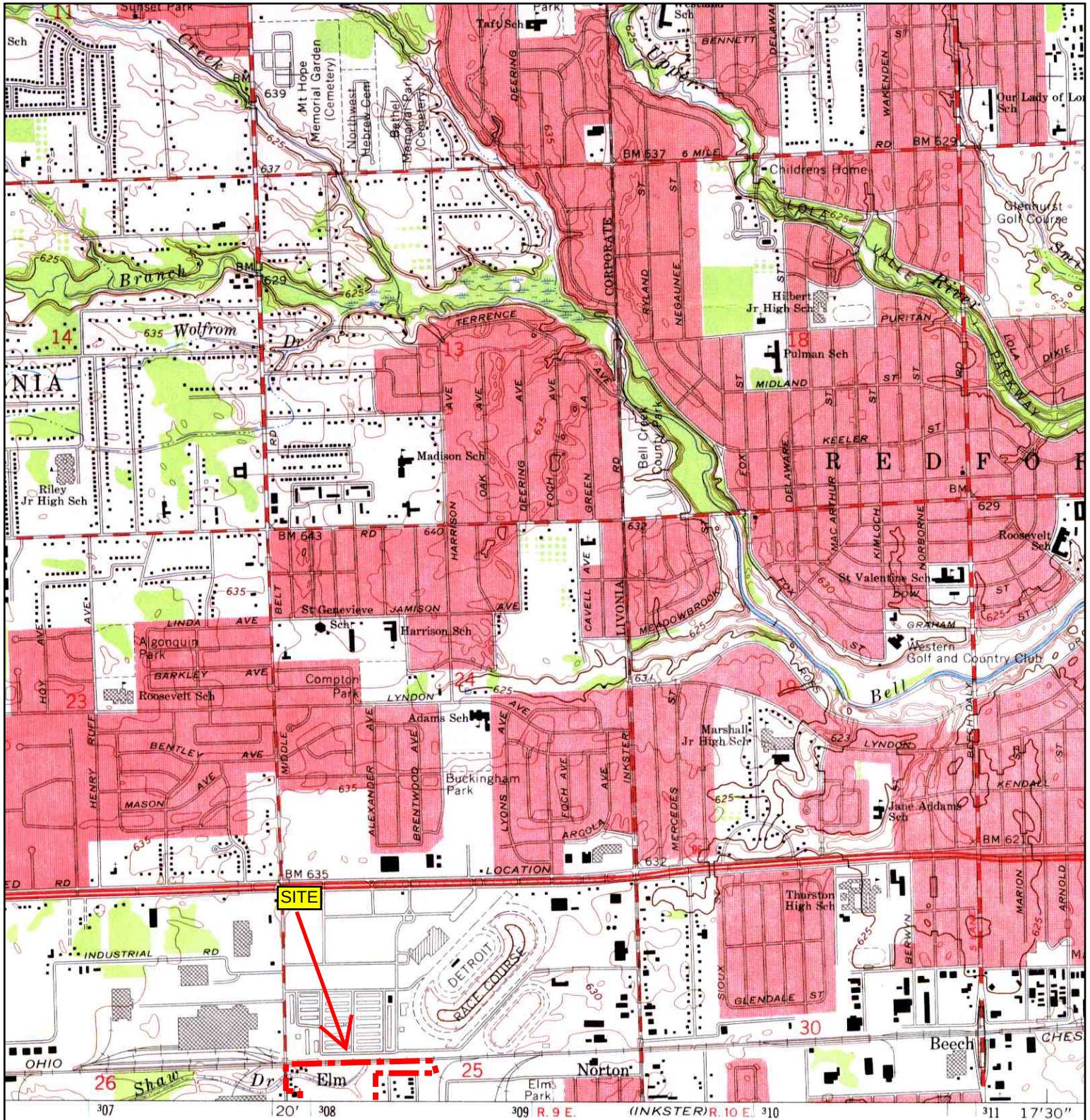
	TARGET QUAD NAME: REDFORD MAP YEAR: 1952	SITE NAME: GMPT Livonia ADDRESS: 12200 Middlebelt Road Livonia, MI 48150 LAT/LONG: 42.375 / 83.3313	CLIENT: ARCADIS U.S., Inc. CONTACT: Moriah Bloom INQUIRY#: 2672081.4 RESEARCH DATE: 01/06/2010
	SERIES: 7.5 SCALE: 1:24000		

Historical Topographic Map



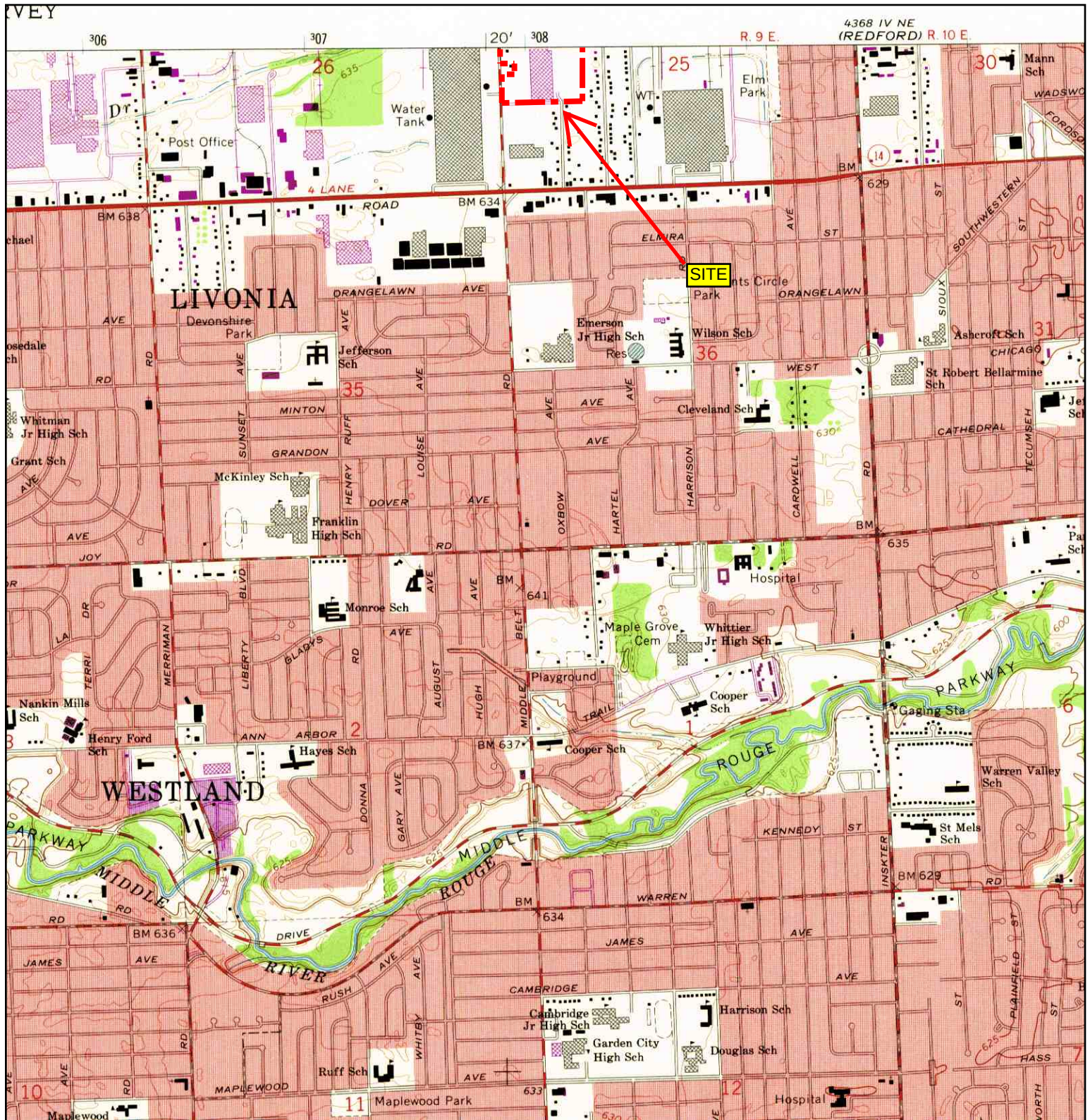
N ↑	TARGET QUAD NAME: INKSTER MAP YEAR: 1968 SERIES: 7.5 SCALE: 1:24000	SITE NAME: GMPT Livonia ADDRESS: 12200 Middlebelt Road Livonia, MI 48150 LAT/LONG: 42.375 / 83.3313	CLIENT: ARCADIS U.S., Inc. CONTACT: Moriah Bloom INQUIRY#: 2672081.4 RESEARCH DATE: 01/06/2010
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Historical Topographic Map



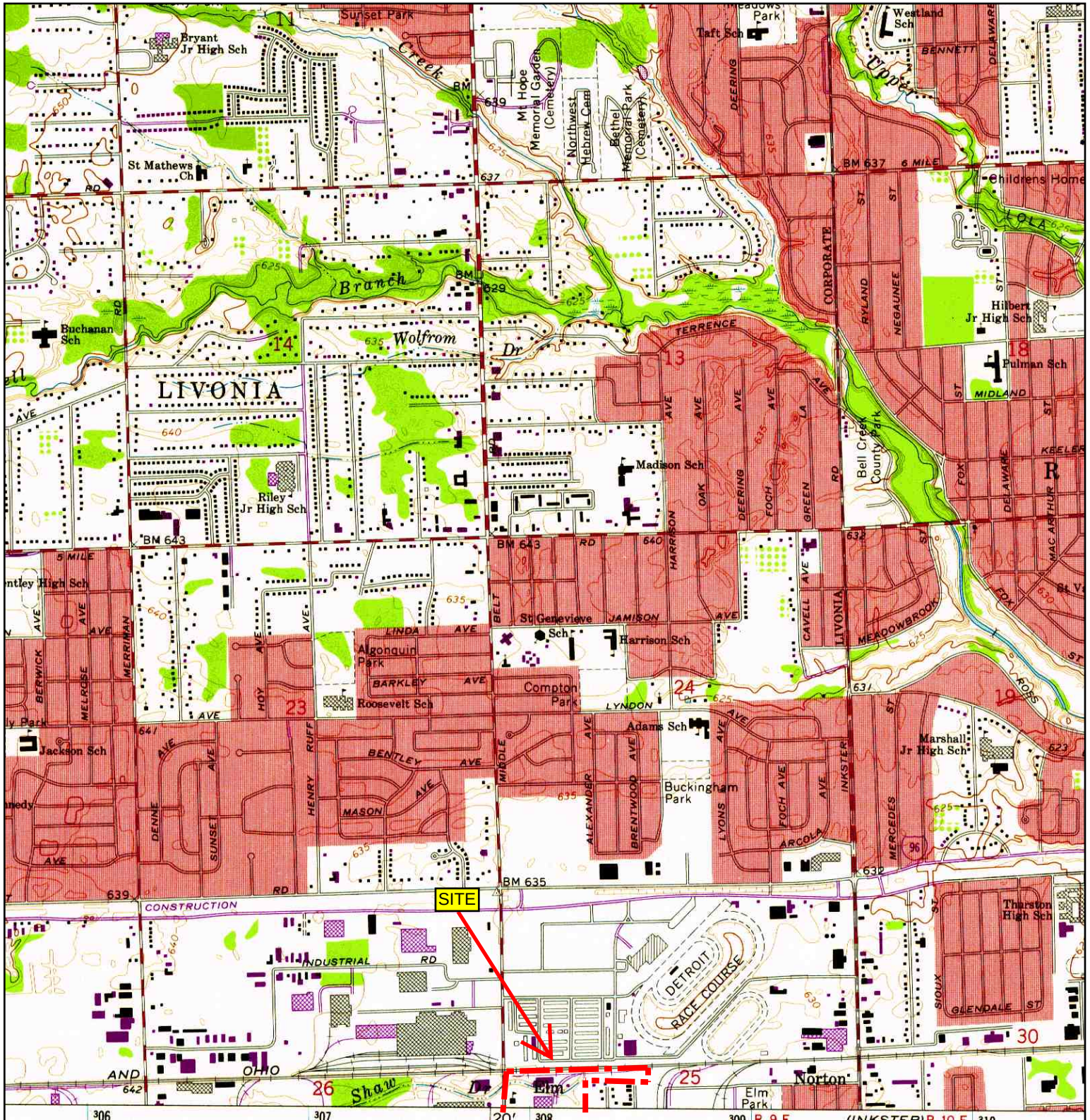
N ↑	TARGET QUAD NAME: REDFORD MAP YEAR: 1968 SERIES: 7.5 SCALE: 1:24000	SITE NAME: GMPT Livonia ADDRESS: 12200 Middlebelt Road Livonia, MI 48150 LAT/LONG: 42.375 / 83.3313	CLIENT: ARCADIS U.S., Inc. CONTACT: Moriah Bloom INQUIRY#: 2672081.4 RESEARCH DATE: 01/06/2010
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Historical Topographic Map



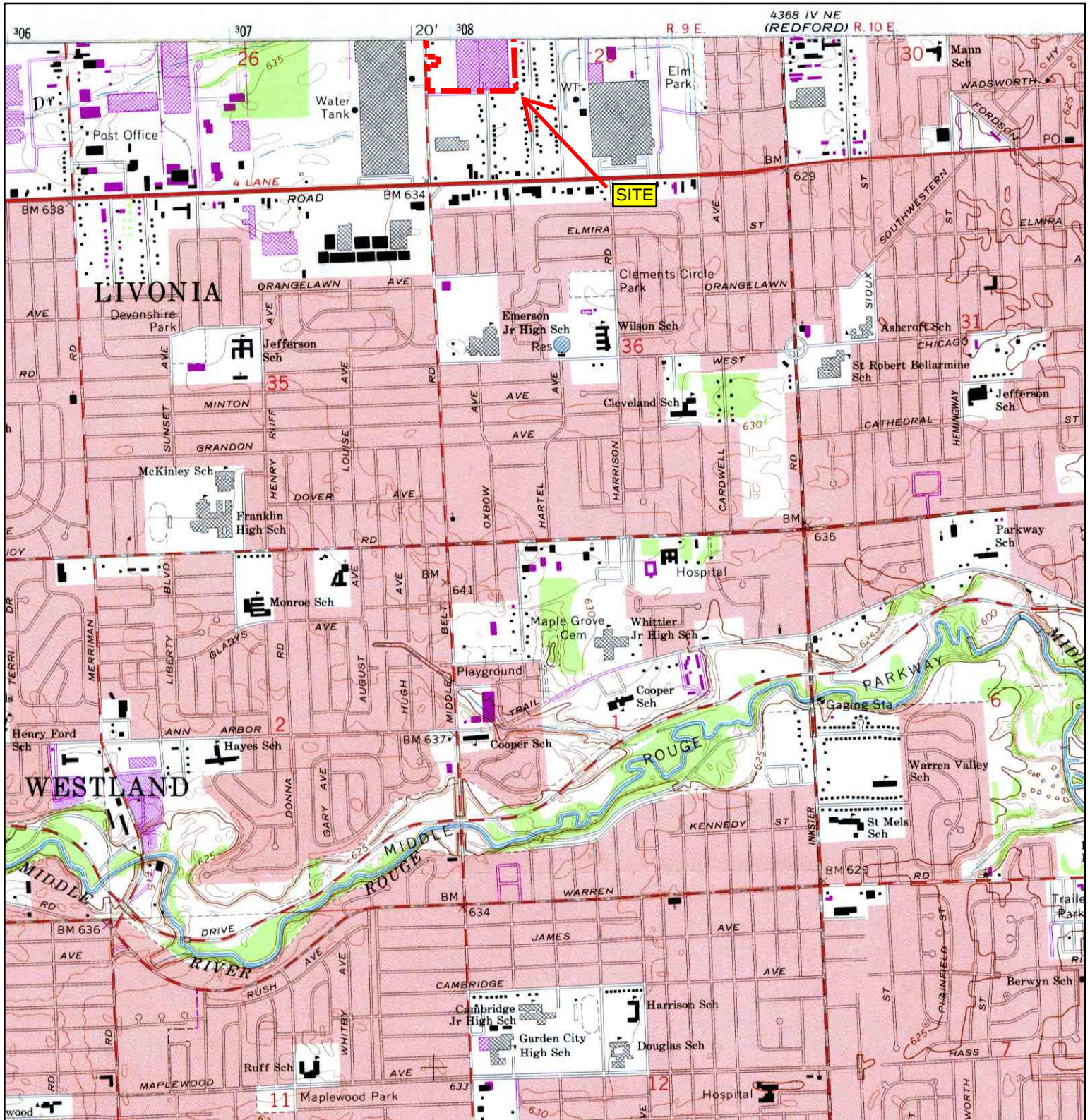
TARGET QUAD NAME: INKSTER MAP YEAR: 1973 PHOTOREVISED FROM: 1968 SERIES: 7.5 SCALE: 1:24000	SITE NAME: GMPT Livonia ADDRESS: 12200 Middlebelt Road Livonia, MI 48150 LAT/LONG: 42.375 / 83.3313	CLIENT: ARCADIS U.S., Inc. CONTACT: Moriah Bloom INQUIRY#: 2672081.4 RESEARCH DATE: 01/06/2010
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Historical Topographic Map



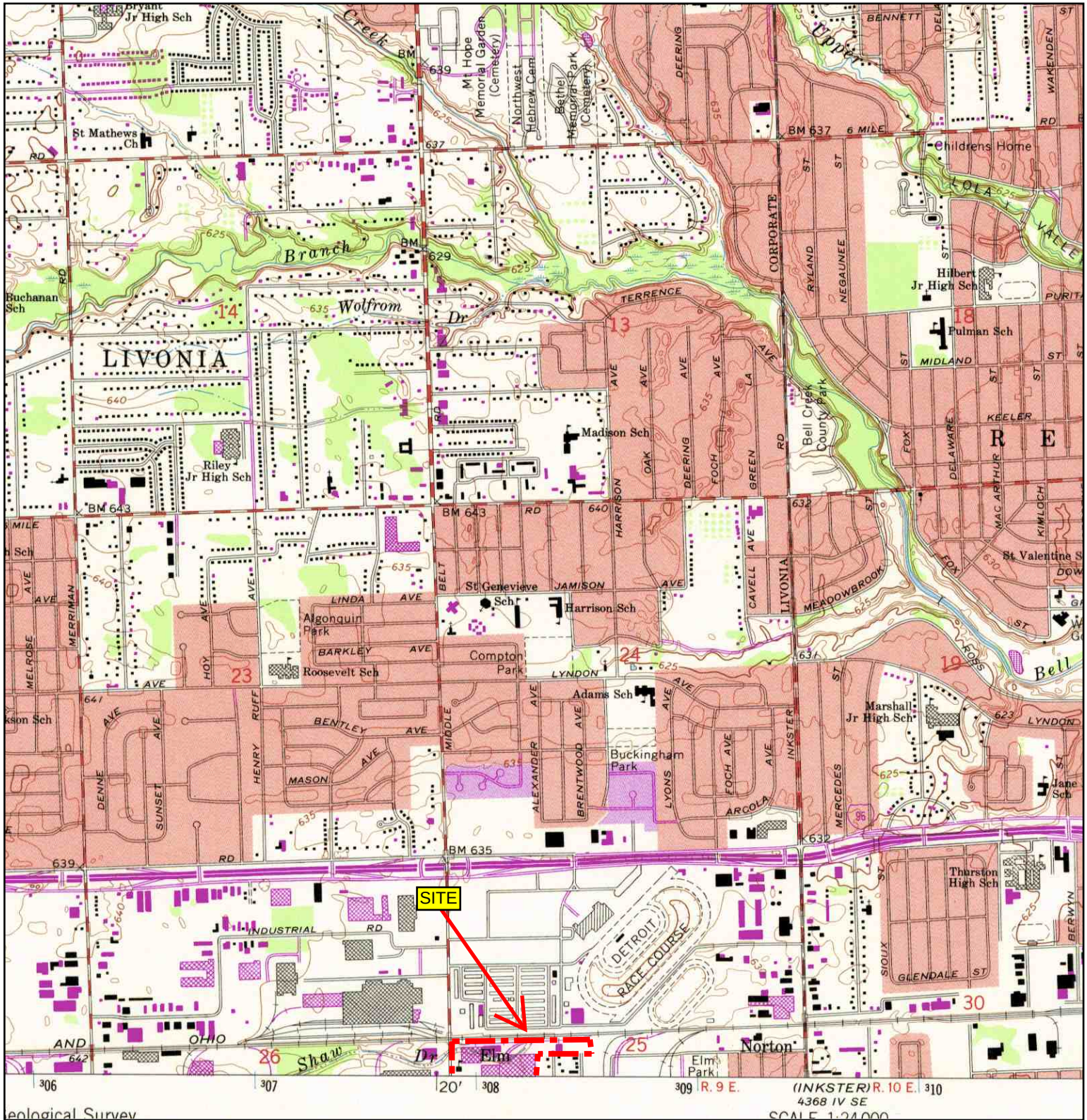
N ↑	TARGET QUAD NAME: REDFORD MAP YEAR: 1973 PHOTOREVISED FROM: 1968 SERIES: 7.5 SCALE: 1:24000	SITE NAME: GMPT Livonia ADDRESS: 12200 Middlebelt Road Livonia, MI 48150 LAT/LONG: 42.375 / 83.3313	CLIENT: ARCADIS U.S., Inc. CONTACT: Moriah Bloom INQUIRY#: 2672081.4 RESEARCH DATE: 01/06/2010
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Historical Topographic Map



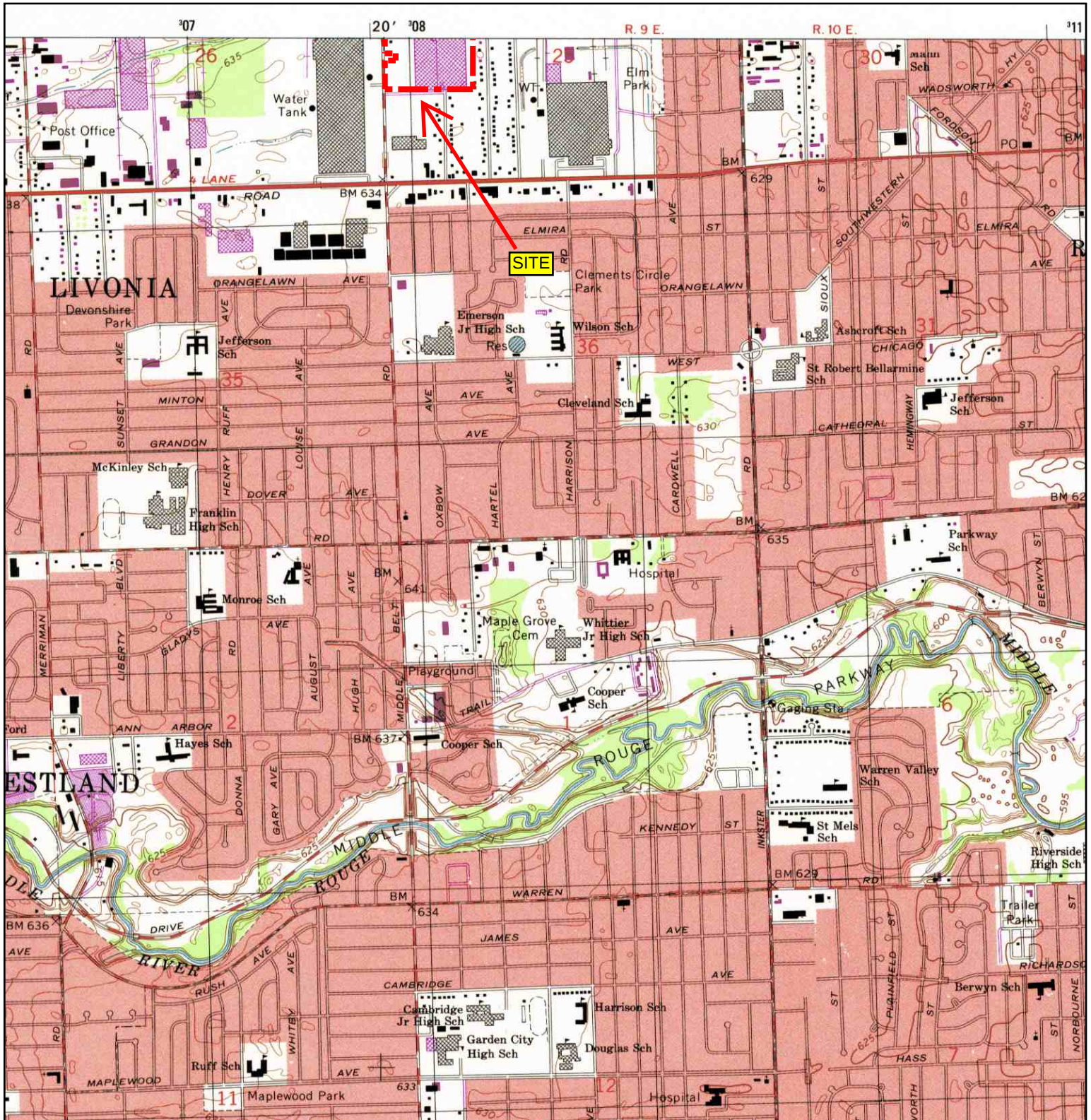
TARGET QUAD NAME: INKSTER MAP YEAR: 1983 PHOTOREVISED FROM: 1968 SERIES: 7.5 SCALE: 1:24000	SITE NAME: GMPT Livonia ADDRESS: 12200 Middlebelt Road Livonia, MI 48150 LAT/LONG: 42.375 / 83.3313	CLIENT: ARCADIS U.S., Inc. CONTACT: Moriah Bloom INQUIRY#: 2672081.4 RESEARCH DATE: 01/06/2010
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Historical Topographic Map



TARGET QUAD NAME: REDFORD MAP YEAR: 1983 PHOTOREVISED FROM: 1968 SERIES: 7.5 SCALE: 1:24000	SITE NAME: GMPT Livonia ADDRESS: 12200 Middlebelt Road Livonia, MI 48150 LAT/LONG: 42.375 / 83.3313	CLIENT: ARCADIS U.S., Inc. CONTACT: Moriah Bloom INQUIRY#: 2672081.4 RESEARCH DATE: 01/06/2010
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Historical Topographic Map



TARGET QUAD NAME: INKSTER MAP YEAR: 1996 SERIES: 7.5 SCALE: 1:24000	SITE NAME: GMPT Livonia ADDRESS: 12200 Middlebelt Road Livonia, MI 48150 LAT/LONG: 42.375 / 83.3313	CLIENT: ARCADIS U.S., Inc. CONTACT: Moriah Bloom INQUIRY#: 2672081.4 RESEARCH DATE: 01/06/2010
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APPENDIX C

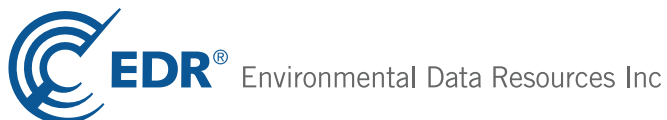
EDR Radius Map Report

GMPT Livonia

12200 Middlebelt Road
Livonia, MI 48150

Inquiry Number: 2672081.2s
January 06, 2010

The EDR Radius Map™ Report with GeoCheck®



440 Wheelers Farms Road
Milford, CT 06461
Toll Free: 800.352.0050
www.edrnet.com

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EXECUTIVE SUMMARY

A search of available environmental records was conducted by Environmental Data Resources, Inc (EDR). The report was designed to assist parties seeking to meet the search requirements of EPA's Standards and Practices for All Appropriate Inquiries (40 CFR Part 312), the ASTM Standard Practice for Environmental Site Assessments (E 1527-05) or custom requirements developed for the evaluation of environmental risk associated with a parcel of real estate.

TARGET PROPERTY INFORMATION

ADDRESS

12200 MIDDLEBELT ROAD
LIVONIA, MI 48150

COORDINATES

Latitude (North): 42.375000 - 42° 22' 30.0"
Longitude (West): 83.331300 - 83° 19' 52.7"
Universal Transverse Mercator: Zone 17
UTM X (Meters): 308054.8
UTM Y (Meters): 4693832.0
Elevation: 632 ft. above sea level

USGS TOPOGRAPHIC MAP ASSOCIATED WITH TARGET PROPERTY

Target Property Map: 42083-D3 REDFORD, MI
Most Recent Revision: 1983

South Map: 42083-C3 INKSTER, MI
Most Recent Revision: 1996

AERIAL PHOTOGRAPHY IN THIS REPORT

Photo Year: 2005
Source: USDA

TARGET PROPERTY SEARCH RESULTS

The target property was identified in the following records. For more information on this property see page 7 of the attached EDR Radius Map report:

Site	Database(s)	EPA ID
12200 MIDDLEBELT ROAD 12200 MIDDLEBELT ROAD LIVONIA, MI	SPILLS	N/A
12200 MIDDLEBELT RD 12200 MIDDLEBELT RD LOVONIA, MI 48150	ERNS	N/A
12200 MIDDLEBELT RD 12200 MIDDLEBELT RD LIBONIA, MI 48150	ERNS	N/A
12200 MIDDLEBELT 12200 MIDDLEBELT LIVONIA, MI	ERNS	N/A

EXECUTIVE SUMMARY

GENERAL MOTORS CORPORATION 12200 MIDDLEBELT LIVONIA, MI 48150	AIRS	N/A
12200 MIDDLEBELT RD 12200 MIDDLEBELT RD LOVONIA, MI 48150	ERNS	N/A
GENERAL MOTORS POWERTRAIN DIVISIO 12200 MIDDLEBELT RD LIVONIA, MI 48150	MLTS	N/A
GENERAL MOTORS POWERTRAIN LIVONIA 12200 MIDDLEBELT RD. LIVONIA, MI 48150	RCRA-LQG TRIS FINDS LUST Facility Status: Closed Facility Status: Closed UST MANIFEST	48150LVNNG12
12200 MIDDLEBELT RD. 12200 MIDDLEBELT RD. LIVONIA, MI 48150	ERNS	N/A
GENERAL MOTORS 12200 MIDDLEBELT ROAD LIVONIA, MI 48150	NPDES	N/A
12200 MIDDLEBELT RD 12200 MIDDLEBELT RD LIVONA, MI 48150	ERNS	N/A
INTERNATIONAL TRANSMISSION COMPAN 12200 MIDDLEBELT LIVONIA, MI 48150	RCRA-CESQG	MIK739296762
12200 MIDDLEBELT RD LIVONIA 12200 MIDDLEBELT RD LIVONIA WAYNE (County), MI	ERNS	N/A
INTERNATIONAL TRANSMISSION COMPAN 12200 MIDDLEBELT LIVONIA, MI 48150	FINDS	N/A

EXECUTIVE SUMMARY

DATABASES WITH NO MAPPED SITES

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

STANDARD ENVIRONMENTAL RECORDS

Federal NPL site list

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

Federal Delisted NPL site list

Delisted NPL..... National Priority List Deletions

Federal CERCLIS list

CERCLIS..... Comprehensive Environmental Response, Compensation, and Liability Information System
FEDERAL FACILITY..... Federal Facility Site Information listing

Federal RCRA CORRACTS facilities list

CORRACTS..... Corrective Action Report

Federal RCRA non-CORRACTS TSD facilities list

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

Federal institutional controls / engineering controls registries

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

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

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

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

State and tribal voluntary cleanup sites

INDIAN VCP..... Voluntary Cleanup Priority Listing

EXECUTIVE SUMMARY

State and tribal Brownfields sites

BROWNFIELDS..... Brownfields and UST Site Database

ADDITIONAL ENVIRONMENTAL RECORDS

Local Brownfield lists

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

Local Lists of Landfill / Solid Waste Disposal Sites

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

Local Lists of Hazardous waste / Contaminated Sites

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

Local Land Records

LIENS 2..... CERCLA Lien Information
LUCIS..... Land Use Control Information System
LIENS..... Lien List

Records of Emergency Release Reports

HMIRS..... Hazardous Materials Information Reporting System

Other Ascertainable Records

DOT OPS..... Incident and Accident Data
DOD..... Department of Defense Sites
FUDS..... Formerly Used Defense Sites
CONSENT..... Superfund (CERCLA) Consent Decrees
ROD..... Records Of Decision
UMTRA..... Uranium Mill Tailings Sites
MINES..... Mines Master Index File
TSCA..... Toxic Substances Control Act
FTTS..... FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)
HIST FTTS..... FIFRA/TSCA Tracking System Administrative Case Listing
SSTS..... Section 7 Tracking Systems
ICIS..... Integrated Compliance Information System
PADS..... PCB Activity Database System
RADINFO..... Radiation Information Database
RAATS..... RCRA Administrative Action Tracking System
UIC..... Underground Injection Wells Database

EXECUTIVE SUMMARY

DRYCLEANERS..... Drycleaning Establishments
INDIAN RESERV..... Indian Reservations
SCRD DRYCLEANERS..... State Coalition for Remediation of Drycleaners Listing
COAL ASH DOE..... Sleam-Electric Plan Operation Data
PCB TRANSFORMER..... PCB Transformer Registration Database
COAL ASH EPA..... Coal Combustion Residues Surface Impoundments List
COAL ASH..... Coal Ash Disposal Sites

EDR PROPRIETARY RECORDS

EDR Proprietary Records

Manufactured Gas Plants..... EDR Proprietary Manufactured Gas Plants
EDR Historical Auto Stations... EDR Proprietary Historic Gas Stations
EDR Historical Cleaners..... EDR Proprietary Historic Dry Cleaners

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 NFRAP site List

CERC-NFRAP: Archived sites are sites that have been removed and archived from the inventory of CERCLIS 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 this 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. This 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 a potential NPL site.

A review of the CERC-NFRAP list, as provided by EDR, and dated 06/23/2009 has revealed that there is 1 CERC-NFRAP site within approximately 0.625 miles of the target property.

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
ASHLEY LIVONIA SOUTH LLC	28400 PLYMOUTH ROAD	SE 1/2 - 1 (0.577 mi.)	E35	68

EXECUTIVE SUMMARY

Federal RCRA generators list

RCRA-SQG: 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.

A review of the RCRA-SQG list, as provided by EDR, and dated 11/12/2008 has revealed that there is 1 RCRA-SQG site within approximately 0.375 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
SUPER VALUE HOLDINGS INC	12701 MIDDLEBELT RD	NW 1/8 - 1/4 (0.194 mi.)	17	29

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 11/12/2008 has revealed that there are 3 RCRA-CESQG sites within approximately 0.375 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
CSX TRANSPORTATION INC	12619 MIDDLEBELT ROAD	NW 1/8 - 1/4 (0.137 mi.)	16	27
ALL TUNE AND LUBE	11900 MIDDLEBELT	SSW 1/4 - 1/2 (0.276 mi.)	B21	41
FORD MOTOR COMPANY	11871 MIDDLEBELT RD	SSW 1/4 - 1/2 (0.289 mi.)	B25	48

State- and tribal - equivalent CERCLIS

SHWS: The State Hazardous Waste Sites records are the states' equivalent to CERCLIS. These sites may or may not already be listed on the federal CERCLIS list. Priority sites planned for cleanup using state funds (state equivalent of Superfund) are identified along with sites where cleanup will be paid for by potentially responsible parties. The data come from the Department of Environmental Quality's Contaminated Sites List on Diskette With Address.

A review of the SHWS list, as provided by EDR, and dated 10/28/2009 has revealed that there are 3 SHWS sites within approximately 1.125 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
ACCURATE MACHINE SERVICES Facility Status: Inactive - no actions taken to address contamination	12360 MERRIMAN RD	W 1 - 2 (1.101 mi.)	F37	74
MUNOZ MACHINE SHOP LIVONIA Facility Status: Interim Response in progress	12375 MERRIMAN RD	W 1 - 2 (1.106 mi.)	F38	74

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
REDFORD ONE HOUR CLEANERS Facility Status: No status assigned	27312 PLYMOUTH ROAD	ESE 1 - 2 (1.035 mi.)	36	73

EXECUTIVE SUMMARY

State and tribal leaking storage tank lists

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

A review of the LUST list, as provided by EDR, and dated 11/23/2009 has revealed that there are 10 LUST sites within approximately 0.625 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
FIRE STATION #4 Facility Status: Closed	12300 MIDDLEBELT RD	WSW 0 - 1/8 (0.122 mi.)	15	26
SUPER VALUE HOLDINGS INC Facility Status: Closed Facility Status: Open <i>*Additional key fields are available in the Map Findings section</i>	12701 MIDDLEBELT RD	NW 1/8 - 1/4 (0.194 mi.)	17	29
AMERICAS AUTO VILLAGE Facility Status: Closed	11940 MIDDLEBELT RD	SSW 1/4 - 1/2 (0.258 mi.)	B18	36
NATIONAL PARTS DISTRIBUTION CE Facility Status: Closed Facility Status: Closed <i>*Additional key fields are available in the Map Findings section</i>	11871 MIDDLEBELT RD	SSW 1/4 - 1/2 (0.289 mi.)	B24	46
WONDERLAND AUTO WASH, INC Facility Status: Open	29067 PLYMOUTH RD	SSE 1/4 - 1/2 (0.404 mi.)	26	52
MICHIGAN DAIRY Facility Status: Closed	29601 INDUSTRIAL RD	NNW 1/4 - 1/2 (0.409 mi.)	27	53
MIDDLEBELT-PLYMOUTH VENTURE LL Facility Status: Closed	29501 PLYMOUTH	SSW 1/4 - 1/2 (0.441 mi.)	C28	54
PRICE GAS #6 (EXPRESS FUELING) Facility Status: Open	13507 MIDDLEBELT RD	NNW 1/2 - 1 (0.528 mi.)	D32	61
<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
SPEEDY MUFFLER KING Facility Status: Open	28411 PLYMOUTH RD	SE 1/2 - 1 (0.560 mi.)	33	63
ASHLEY LIVONIA A & P LLC Facility Status: Closed Facility Status: Closed	28400 PLYMOUTH RD	SE 1/2 - 1 (0.577 mi.)	E34	65

State and tribal registered storage tank lists

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

A review of the UST list, as provided by EDR, and dated 11/23/2009 has revealed that there are 5 UST sites within approximately 0.375 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
FIRE STATION #4	12300 MIDDLEBELT RD	WSW 0 - 1/8 (0.122 mi.)	15	26

EXECUTIVE SUMMARY

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
SUPER VALUE HOLDINGS INC	12701 MIDDLEBELT RD	NW 1/8 - 1/4 (0.194 mi.)	17	29
AMERICAS AUTO VILLAGE	11940 MIDDLEBELT RD	SSW 1/4 - 1/2 (0.258 mi.)	B18	36
JIFFY LUBE STORE #944	11900 MIDDLEBELT RD	SSW 1/4 - 1/2 (0.276 mi.)	B22	43
NATIONAL PARTS DISTRIBUTION CE	11871 MIDDLEBELT RD	SSW 1/4 - 1/2 (0.289 mi.)	B24	46

State and tribal institutional control / engineering control registries

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

A review of the AUL list, as provided by EDR, and dated 09/21/2009 has revealed that there is 1 AUL site within approximately 0.625 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
PRICE #6/FOREST CITY	13507 MIDDLEBELT RD.	NNW 1/2 - 1 (0.528 mi.)	D31	60

ADDITIONAL ENVIRONMENTAL RECORDS

Other Ascertainable Records

RCRA-NonGen: 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 list, as provided by EDR, and dated 11/12/2008 has revealed that there are 3 RCRA-NonGen sites within approximately 0.375 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
NEIGHBORHOOD COLLISION	11900 MIDDLEBELT	SSW 1/4 - 1/2 (0.276 mi.)	B19	37
JIFFY LUBE	11900 MIDDLEBELT	SSW 1/4 - 1/2 (0.276 mi.)	B20	39
<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
ALL ASPECTS PAINTING & DRYWALL	12263 HARTEL ST	ESE 1/4 - 1/2 (0.280 mi.)	23	44

BEA: Baseline Environmental Assessment.

A review of the BEA list, as provided by EDR, and dated 12/02/2009 has revealed that there are 2 BEA sites within approximately 0.625 miles of the target property.

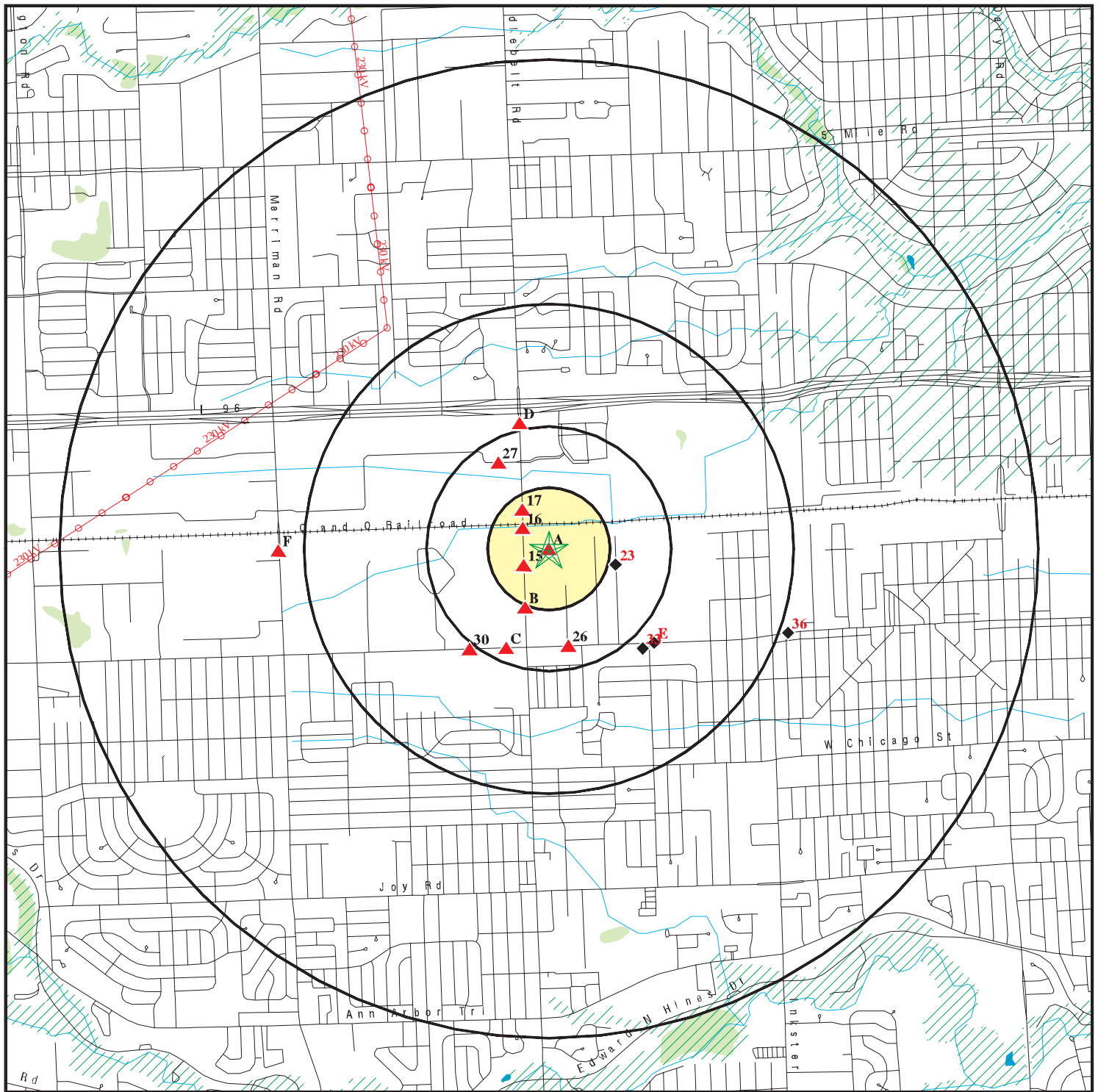
<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
(FORMER) MONTGOMERY WARDS AND WONDERLAND MALL	29501 PLYMOUTH ROAD	SSW 1/4 - 1/2 (0.441 mi.)	C29	59
	29859 PLYMOUTH ROAD	SW 1/2 - 1 (0.522 mi.)	30	60

EXECUTIVE SUMMARY

Due to poor or inadequate address information, the following sites were not mapped:

<u>Site Name</u>	<u>Database(s)</u>
MEIJERS 188	FTTS, HIST FTTS
MCLAREN PERFORMANCE TECHNOLOGIES	SHWS
INKSTER & SCHOOLCRAFT RD CONTAM	SHWS
LIVONIA REFUSE DISPOSAL AREA	HIST LF
MOBIL SERVICE STATION #05GE4	LUST
LIVONIA BP GAS & MART INC	LUST
LASCO PROPERTIES	LUST, UST
WOODHAVEN OF LIVONIA	FINDS
ASHLEY LIVONIA NORTH, LLC	BEA
LIVONIA RECYCLING CENTER &	BEA
JIM PIETRAZ/LIVONIA FIRE DEPT.	SPILLS
LIVONIA FORD MOTOR COMPANY	SPILLS
NUCON CORPORATION	NPDES
LIVONIA MS4-WAYNE	NPDES

OVERVIEW MAP - 2672081.2s



★ 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

🛢 Oil & Gas pipelines

🌊 100-year flood zone

🌊 500-year flood zone

🌿 National Wetland Inventory

🌿 State Wetlands

0 1/2 1 2 Miles

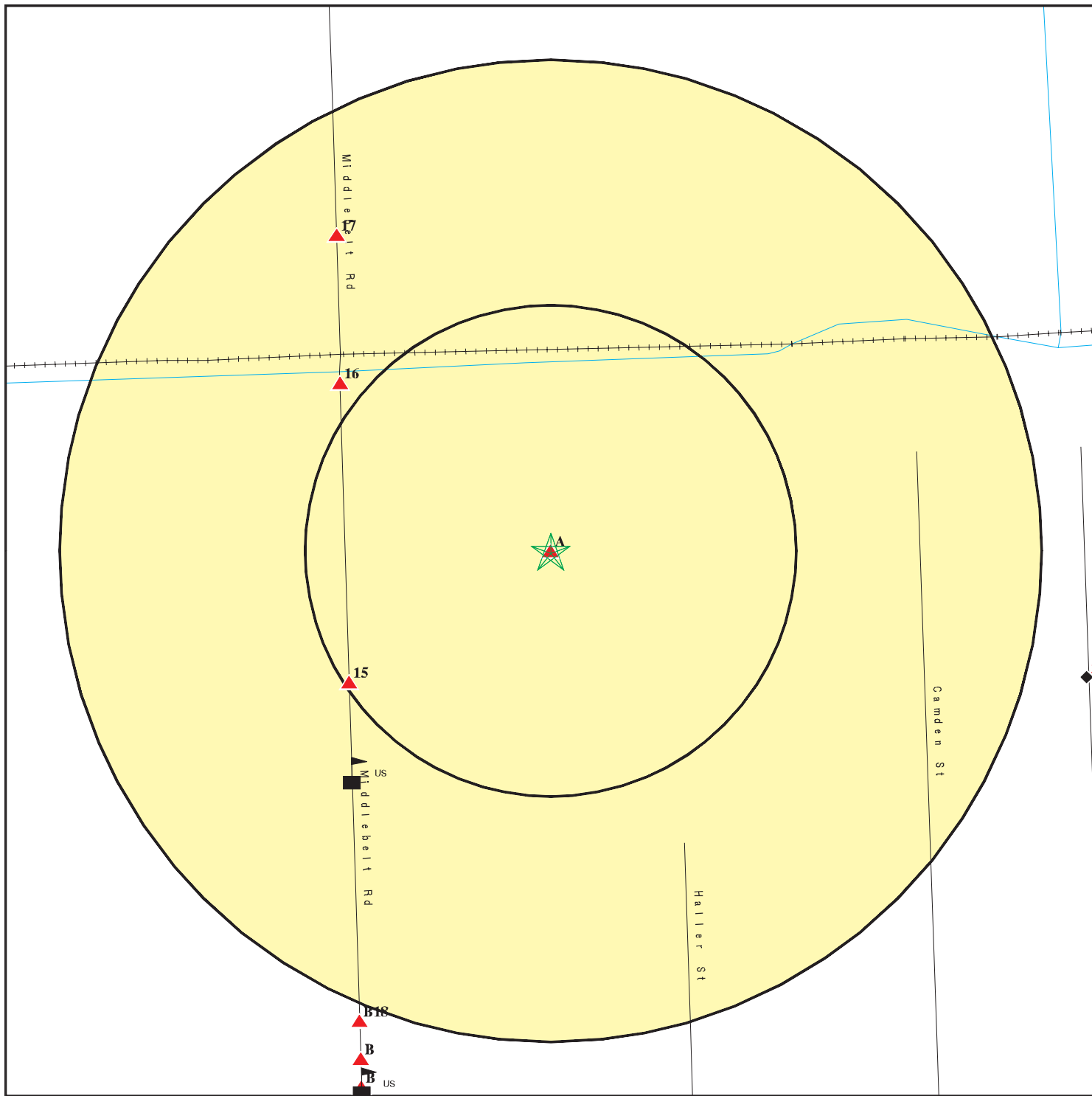


This report includes Interactive Map Layers to display and/or hide map information. The legend includes only those icons for the default map view.

SITE NAME: GMPT Livonia
ADDRESS: 12200 Middlebelt Road
Livonia MI 48150
LAT/LONG: 42.3750 / 83.3313

CLIENT: ARCADIS U.S., Inc.
CONTACT: Moriah Bloom
INQUIRY #: 2672081.2s
DATE: January 06, 2010 2:35 pm

DETAIL MAP - 2672081.2s



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

- Indian Reservations BIA
- Oil & Gas pipelines
- 100-year flood zone
- 500-year flood zone

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: GMPT Livonia
 ADDRESS: 12200 Middlebelt Road
 Livonia MI 48150
 LAT/LONG: 42.3750 / 83.3313

CLIENT: ARCADIS U.S., Inc.
 CONTACT: Moriah Bloom
 INQUIRY #: 2672081.2s
 DATE: January 06, 2010 2:36 pm

MAP FINDINGS SUMMARY

Database	Target Property	Search Distance (Miles)	< 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		1.125	0	0	0	0	0	0
Proposed NPL		1.125	0	0	0	0	0	0
NPL LIENS		0.125	0	NR	NR	NR	NR	0
<i>Federal Delisted NPL site list</i>								
Delisted NPL		1.125	0	0	0	0	0	0
<i>Federal CERCLIS list</i>								
CERCLIS		0.625	0	0	0	0	NR	0
FEDERAL FACILITY		1.125	0	0	0	0	0	0
<i>Federal CERCLIS NFRAP site List</i>								
CERC-NFRAP		0.625	0	0	0	1	NR	1
<i>Federal RCRA CORRACTS facilities list</i>								
CORRACTS		1.125	0	0	0	0	0	0
<i>Federal RCRA non-CORRACTS TSD facilities list</i>								
RCRA-TSDF		0.625	0	0	0	0	NR	0
<i>Federal RCRA generators list</i>								
RCRA-LQG	X	0.375	0	0	0	NR	NR	0
RCRA-SQG		0.375	0	1	0	NR	NR	1
RCRA-CESQG	X	0.375	0	1	2	NR	NR	3
<i>Federal institutional controls / engineering controls registries</i>								
US ENG CONTROLS		0.625	0	0	0	0	NR	0
US INST CONTROL		0.625	0	0	0	0	NR	0
<i>Federal ERNS list</i>								
ERNS	X	0.125	0	NR	NR	NR	NR	0
<i>State- and tribal - equivalent CERCLIS</i>								
SHWS		1.125	0	0	0	0	3	3
<i>State and tribal landfill and/or solid waste disposal site lists</i>								
SWF/LF		0.625	0	0	0	0	NR	0
<i>State and tribal leaking storage tank lists</i>								
LUST	X	0.625	1	1	5	3	NR	10
INDIAN LUST		0.625	0	0	0	0	NR	0
<i>State and tribal registered storage tank lists</i>								
UST	X	0.375	1	1	3	NR	NR	5

MAP FINDINGS SUMMARY

Database	Target Property	Search Distance (Miles)	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
AST		0.375	0	0	0	NR	NR	0
INDIAN UST		0.375	0	0	0	NR	NR	0
FEMA UST		0.375	0	0	0	NR	NR	0
State and tribal institutional control / engineering control registries								
AUL		0.625	0	0	0	1	NR	1
State and tribal voluntary cleanup sites								
INDIAN VCP		0.625	0	0	0	0	NR	0
State and tribal Brownfields sites								
BROWNFIELDS		0.625	0	0	0	0	NR	0
ADDITIONAL ENVIRONMENTAL RECORDS								
Local Brownfield lists								
US BROWNFIELDS		0.625	0	0	0	0	NR	0
Local Lists of Landfill / Solid Waste Disposal Sites								
ODI		0.625	0	0	0	0	NR	0
DEBRIS REGION 9		0.625	0	0	0	0	NR	0
HIST LF		0.625	0	0	0	0	NR	0
INDIAN ODI		0.625	0	0	0	0	NR	0
Local Lists of Hazardous waste / Contaminated Sites								
US CDL		0.125	0	NR	NR	NR	NR	0
DEL SHWS		1.125	0	0	0	0	0	0
CDL		0.125	0	NR	NR	NR	NR	0
US HIST CDL		0.125	0	NR	NR	NR	NR	0
Local Land Records								
LIENS 2		0.125	0	NR	NR	NR	NR	0
LUCIS		0.625	0	0	0	0	NR	0
LIENS		0.125	0	NR	NR	NR	NR	0
Records of Emergency Release Reports								
HMIRS		0.125	0	NR	NR	NR	NR	0
SPILLS	X	0.125	0	NR	NR	NR	NR	0
Other Ascertainable Records								
RCRA-NonGen		0.375	0	0	3	NR	NR	3
DOT OPS		0.125	0	NR	NR	NR	NR	0
DOD		1.125	0	0	0	0	0	0
FUDS		1.125	0	0	0	0	0	0
CONSENT		1.125	0	0	0	0	0	0
ROD		1.125	0	0	0	0	0	0
UMTRA		0.625	0	0	0	0	NR	0

MAP FINDINGS SUMMARY

Database	Target Property	Search Distance (Miles)	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
MINES		0.375	0	0	0	NR	NR	0
TRIS	X	0.125	0	NR	NR	NR	NR	0
TSCA		0.125	0	NR	NR	NR	NR	0
FTTS		0.125	0	NR	NR	NR	NR	0
HIST FTTS		0.125	0	NR	NR	NR	NR	0
SSTS		0.125	0	NR	NR	NR	NR	0
ICIS		0.125	0	NR	NR	NR	NR	0
PADS		0.125	0	NR	NR	NR	NR	0
MLTS	X	0.125	0	NR	NR	NR	NR	0
RADINFO		0.125	0	NR	NR	NR	NR	0
FINDS	X	0.125	0	NR	NR	NR	NR	0
RAATS		0.125	0	NR	NR	NR	NR	0
UIC		0.125	0	NR	NR	NR	NR	0
DRYCLEANERS		0.375	0	0	0	NR	NR	0
NPDES	X	0.125	0	NR	NR	NR	NR	0
AIRS	X	0.125	0	NR	NR	NR	NR	0
BEA		0.625	0	0	1	1	NR	2
INDIAN RESERV		1.125	0	0	0	0	0	0
SCRD DRYCLEANERS		0.625	0	0	0	0	NR	0
COAL ASH DOE		0.125	0	NR	NR	NR	NR	0
PCB TRANSFORMER		0.125	0	NR	NR	NR	NR	0
COAL ASH EPA		0.625	0	0	0	0	NR	0
COAL ASH		0.625	0	0	0	0	NR	0

EDR PROPRIETARY RECORDS

EDR Proprietary Records

Manufactured Gas Plants	1.125	0	0	0	0	0	0
EDR Historical Auto Stations	0.375	0	0	0	NR	NR	0
EDR Historical Cleaners	0.375	0	0	0	NR	NR	0

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
Target
Property

12200 MIDDLEBELT ROAD
LIVONIA, MI

SPILLS S107597050
N/A

Site 1 of 14 in cluster A

Actual:
632 ft.

MI PEAS:

Incident Date:	07/12/2006 12:38 PM
Date Of PEAS Call:	Not reported
Complainant / Company:	Not reported
Complainant Address:	Not reported
Company Involved:	MIKE MARTINKO/GENERAL MOTORS
DEQ Division Involved:	WB
Incident Description:	Not reported
Description:	MAINTENANCE @ FACILITY. PIPE TO WASTEWATER TREATMENT PLANT BROKE; RELEASED WASTEWATER TO STORM DRAIN. HAS BEEN SHUT OFF, DYKED AND REMOVING SANDBAGS. POLLUTANT WAS 95 WATER, 3 SOAP, 1 MISC. OILS; OVER 100 GALS. ALREADY REMOVED, 125 PPM KATHON.
Incident Date:	02/16/2006 02:39 PM
Date Of PEAS Call:	Not reported
Complainant / Company:	Not reported
Complainant Address:	Not reported
Company Involved:	GM
DEQ Division Involved:	WB
Incident Description:	Not reported
Description:	OIL/STORM WATER RUNOFF FROM SNOW MELTING OFF ROOF; WENT INTO STORM WATER DRAIN. NOTICED 2:30P YESTERDAY AND CONFIRMED TODAY. AT 10AM - HAS STOPPED RUNOFF AS OF NOW.

A2
Target
Property

12200 MIDDLEBELT RD
12200 MIDDLEBELT RD
LOVONIA, MI 48150

ERNS 96495054
N/A

Site 2 of 14 in cluster A

Actual:
632 ft.

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

A3
Target
Property

12200 MIDDLEBELT RD
12200 MIDDLEBELT RD
LIBONIA, MI 48150

ERNS 98430451
N/A

Site 3 of 14 in cluster A

Actual:
632 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

A4
Target
Property

12200 MIDDLEBELT
12200 MIDDLEBELT
LIVONIA, MI

ERNS 91221138
N/A

Site 4 of 14 in cluster A

Actual:
632 ft.

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

A5
Target
Property

GENERAL MOTORS CORPORATION
12200 MIDDLEBELT
LIVONIA, MI 48150

AIRS S107698262
N/A

Site 5 of 14 in cluster A

Actual:
632 ft.

AIRS:
State Registration Number: B6559
Naics Code: Not reported
Contact Name: MELISSA HALL
Contact Phone: (734) 523-8718
Contact Address: GENERAL MOTORS CORPORATION
Contact Address 2: 12200 MIDDLEBELT
Contact City,St,Zip: LIVONIA, MI 48150
Permit Number: 152-03
Date Received: 06/24/03
State Registration Number: B6559
Country: Not reported
Application Reason: NEW SEALER MATERIAL IN RTV SEALER OPERATION
Record Type: Not reported
State County FIPS: Not reported
Facility Category: Not reported
SIC Primary: Not reported
Tribal Code: Not reported
EI Year: Not reported

A6
Target
Property

12200 MIDDLEBELT RD
12200 MIDDLEBELT RD
LOVONIA, MI 48150

ERNS 96484891
N/A

Site 6 of 14 in cluster A

Actual:
632 ft.

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

A7
Target
Property

GENERAL MOTORS POWERTRAIN DIVISION
12200 MIDDLEBELT RD
LIVONIA, MI 48150

MLTS 1001963369
N/A

Site 7 of 14 in cluster A

Actual:
632 ft.

MLTS:
License Number: 21-05813-06
First License Date: 04/09/1991
License Date: 04/19/1994
Lic. Expiration Date: 04/30/1996
Contact Name: F. R. NEHER, M.D., MED. DIR.
Contact Phone: 313-523-0374
Institution Code: 5813

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

GENERAL MOTORS POWERTRAIN DIVISION (Continued)

1001963369

Primary Program: Not reported
Department: Not reported
Building: Not reported
States Allowing Use: Not reported
License Use: Not reported
Store Material Use: Not reported
Redistribution Use: Not reported
Incinerate Use: Not reported
Burial Use: Not reported
Last Inspection Date: 03/1992
Next Inspection Date: 03/1999
Inspector Name: HAMRICK
Status: Not reported

**A8
Target
Property**

**GENERAL MOTORS POWERTRAIN LIVONIA ENGINE PLANT
12200 MIDDLEBELT RD.
LIVONIA, MI 48150**

**RCRA-LQG
TRIS
FINDS
LUST
UST
MANIFEST**

**1000106050
48150LVNNG12**

Site 8 of 14 in cluster A

**Actual:
632 ft.**

RCRA-LQG:
Date form received by agency: 08/19/2008
Facility name: GENERAL MOTORS CORPORATION
Facility address: 12200 MIDDLEBELT RD
LIVONIA, MI 48150
EPA ID: MID000718874
Mailing address: 12200 MIDDLEBELT ROAD
LIVONIA, MI 48150
Contact: MATTHEW DOCHODA
Contact address: 12200 MIDDLEBELT RD
LIVONIA, MI 48150
Contact country: Not reported
Contact telephone: (734) 523-8718
Contact email: Not reported
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: GENERAL MOTORS CORP
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

GENERAL MOTORS POWERTRAIN LIVONIA ENGINE PLANT (Continued)

1000106050

Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: 09/23/1995
Owner/Op end date: Not reported

Owner/operator name: GENERAL MOTORS CORP
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: 09/23/1995
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
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
Off-site waste receiver: Commercial status unknown

Universal Waste Summary:

Waste type: DEVICES CONTAINING ELEMENTAL MERCURY
Accumulated waste on-site: No
Generated waste on-site: Yes

Waste type: MERCURY THERMOMETERS
Accumulated waste on-site: No
Generated waste on-site: Yes

Waste type: MERCURY SWITCHES
Accumulated waste on-site: No
Generated waste on-site: Yes

Waste type: Batteries
Accumulated waste on-site: No
Generated waste on-site: Yes

Waste type: Lamps
Accumulated waste on-site: No
Generated waste on-site: Yes

Waste type: Pesticides
Accumulated waste on-site: No

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

GENERAL MOTORS POWERTRAIN LIVONIA ENGINE PLANT (Continued)

1000106050

Generated waste on-site: No

Waste type: Thermostats

Accumulated waste on-site: No

Generated waste on-site: Yes

Historical Generators:

Date form received by agency: 02/27/2008

Facility name: GENERAL MOTORS CORPORATION

Classification: Small Quantity Generator

Date form received by agency: 04/30/2007

Facility name: GENERAL MOTORS CORPORATION

Classification: Small Quantity Generator

Date form received by agency: 03/01/2006

Facility name: GENERAL MOTORS CORPORATION

Classification: Large Quantity Generator

Date form received by agency: 02/27/2006

Facility name: GENERAL MOTORS CORPORATION

Classification: Small Quantity Generator

Date form received by agency: 04/24/2005

Facility name: GENERAL MOTORS CORPORATION

Classification: Small Quantity Generator

Date form received by agency: 03/01/2004

Facility name: GENERAL MOTORS CORPORATION

Site name: GM POWERTRAIN DIVISION LIVONIA ENGINEERING

Classification: Large Quantity Generator

Date form received by agency: 02/24/2004

Facility name: GENERAL MOTORS CORPORATION

Classification: Small Quantity Generator

Date form received by agency: 12/05/2003

Facility name: GENERAL MOTORS CORPORATION

Classification: Small Quantity Generator

Date form received by agency: 03/28/2003

Facility name: GENERAL MOTORS CORPORATION

Classification: Small Quantity Generator

Date form received by agency: 03/06/2002

Facility name: GENERAL MOTORS CORPORATION

Classification: Small Quantity Generator

Date form received by agency: 03/01/2002

Facility name: GENERAL MOTORS CORPORATION

Site name: GM POWERTRAIN DIV LIVONIA ENG

Classification: Small Quantity Generator

Date form received by agency: 12/31/2001

Facility name: GENERAL MOTORS CORPORATION

Classification: Small Quantity Generator

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

GENERAL MOTORS POWERTRAIN LIVONIA ENGINE PLANT (Continued)

1000106050

Date form received by agency: 02/27/2001

Facility name: GENERAL MOTORS CORPORATION

Classification: Small Quantity Generator

Date form received by agency: 09/26/1995

Facility name: GENERAL MOTORS CORPORATION

Classification: Small Quantity Generator

Date form received by agency: 02/21/1992

Facility name: GENERAL MOTORS CORPORATION

Site name: GMC POWERTRAIN LIVONIA ENGINE PLANT

Classification: Large Quantity Generator

Date form received by agency: 02/19/1990

Facility name: GENERAL MOTORS CORPORATION

Site name: GMC B-O-C POWERTRAIN LIVONIA ENGINE PLAN

Classification: Large Quantity Generator

Date form received by agency: 11/17/1980

Facility name: GENERAL MOTORS CORPORATION

Classification: Small Quantity Generator

Biennial Reports:

Last Biennial Reporting Year: 2007

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 PENSKEY-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): 255

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): 70

Waste code: D008

Waste name: LEAD

Amount (Lbs): 2176

Waste code: D009

Waste name: MERCURY

Amount (Lbs): 10

Waste code: D035

Waste name: METHYL ETHYL KETONE

Amount (Lbs): 250

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

GENERAL MOTORS POWERTRAIN LIVONIA ENGINE PLANT (Continued)

1000106050

Waste code: U226
Waste name: ETHANE, 1,1,1-TRICHLORO-
Amount (Lbs): 10

Facility Has Received Notices of Violations:

Regulation violated: Not reported
Area of violation: Generators - Pre-transport
Date violation determined: 10/24/2006
Date achieved compliance: 03/30/2007
Violation lead agency: State
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: Generators - General
Date violation determined: 10/24/2006
Date achieved compliance: 03/30/2007
Violation lead agency: State
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: 10/24/2006
Date achieved compliance: 03/30/2007
Violation lead agency: State
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: Generators - Pre-transport
Date violation determined: 07/19/2004
Date achieved compliance: 11/03/2004
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 07/29/2004
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

GENERAL MOTORS POWERTRAIN LIVONIA ENGINE PLANT (Continued)

1000106050

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: 08/24/1995
Date achieved compliance: 10/02/1995
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 08/24/1995
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

Evaluation Action Summary:

Evaluation date: 03/30/2007
Evaluation: NOT A SIGNIFICANT NON-COMPLIER
Area of violation: Generators - Pre-transport
Date achieved compliance: 03/30/2007
Evaluation lead agency: State

Evaluation date: 03/30/2007
Evaluation: NOT A SIGNIFICANT NON-COMPLIER
Area of violation: Generators - General
Date achieved compliance: 03/30/2007
Evaluation lead agency: State

Evaluation date: 03/30/2007
Evaluation: NOT A SIGNIFICANT NON-COMPLIER
Area of violation: LDR - General
Date achieved compliance: 03/30/2007
Evaluation lead agency: State

Evaluation date: 01/09/2007
Evaluation: SIGNIFICANT NON-COMPLIER
Area of violation: Generators - General
Date achieved compliance: 03/30/2007
Evaluation lead agency: State

Evaluation date: 01/09/2007
Evaluation: SIGNIFICANT NON-COMPLIER
Area of violation: LDR - General
Date achieved compliance: 03/30/2007
Evaluation lead agency: State

Evaluation date: 01/09/2007
Evaluation: SIGNIFICANT NON-COMPLIER
Area of violation: Generators - Pre-transport
Date achieved compliance: 03/30/2007
Evaluation lead agency: State

Evaluation date: 10/24/2006

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

GENERAL MOTORS POWERTRAIN LIVONIA ENGINE PLANT (Continued)

1000106050

Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Generators - Pre-transport
Date achieved compliance: 03/30/2007
Evaluation lead agency: State

Evaluation date: 10/24/2006
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Generators - General
Date achieved compliance: 03/30/2007
Evaluation lead agency: State

Evaluation date: 10/24/2006
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: LDR - General
Date achieved compliance: 03/30/2007
Evaluation lead agency: State

Evaluation date: 10/25/2004
Evaluation: FOLLOW-UP INSPECTION
Area of violation: Generators - Pre-transport
Date achieved compliance: 11/03/2004
Evaluation lead agency: State

Evaluation date: 07/19/2004
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Generators - Pre-transport
Date achieved compliance: 11/03/2004
Evaluation lead agency: State

Evaluation date: 08/17/1995
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Generators - General
Date achieved compliance: 10/02/1995
Evaluation lead agency: State

Evaluation date: 10/12/1989
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: EPA Contractor/Grantee

FINDS:

Registry ID: 110000405785

Environmental Interest/Information System

US EPA TRIS (Toxics Release Inventory System) contains information from facilities on the amounts of over 300 listed toxic chemicals that these facilities release directly to air, water, land, or that are transported off-site.

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

GENERAL MOTORS POWERTRAIN LIVONIA ENGINE PLANT (Continued)

1000106050

LUST:

Facility ID: 00018020
Source: STATE OF MICHIGAN
Owner Name: Gmc-Powertrain Livonia Engine
Owner Address: 12200 Middlebelt Rd
Owner City,St,Zip: Livonia, MI 48150-2315
Owner Contact: Not reported
Owner Phone: (734) 523-0200
Country: USA
District: SE Michigan District Office
Site Name: B O C Power Train
Latitude: 42.3761750000
Longitude: -83.3332430000
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-0027-91
Release Date: Jan 8 1991
Substance Released: Not reported
Release Status: Closed
Release Closed Date: Oct 28 1996

Leak Number: C-1682-90
Release Date: Sep 4 1990
Substance Released: Not reported
Release Status: Closed
Release Closed Date: Oct 25 1996

UST:

Facility ID: 00018020
Facility Type: CLOSED
Latitude: 42.3761750000
Longitude: -83.3332430000
Owner Name: Gmc-Powertrain Livonia Engine
Owner Address: 12200 Middlebelt Rd
Owner City,St,Zip: Livonia, MI 48150-2315
Owner Country: USA
Owner Contact: Not reported
Owner Phone: (734) 523-0200
Contact: CHUCK TONEY
Contact Phone: (734) 523-0374
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

Tank ID: 2
Tank Status: Removed from Ground

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

GENERAL MOTORS POWERTRAIN LIVONIA ENGINE PLANT (Continued)

1000106050

Capacity: 20000
Install Date: May 1 1980
Product: Gasoline
Remove Date: Apr 25 1996
Tank Release Detection: Automatic Tank Gauging,Groundwater Monitoring,Inter Monitoring Double Walled Tank,Inter Monitoring/Second Containment,Vapor Monitoring
Pipe Realease Detection: Automatic Line Leak Detectors,Interstitial Monitoring Double Walled Piping
Piping Material: Double Walled,Fiberglass reinforced plastic,Galvanized Steel,Secondary Containment
Piping Type: Not reported
Constr Material: Fiberglass Reinforced plastic
Impressed Device: No

Tank ID: 5
Tank Status: Removed from Ground
Capacity: 4000
Install Date: May 1 1980
Product: OIL
Remove Date: Dec 17 1990
Tank Release Detection: Not reported
Pipe Realease Detection: Not reported
Piping Material: Bare Steel
Piping Type: Not reported
Constr Material: Fiberglass Reinforced plastic
Impressed Device: No

Tank ID: 4
Tank Status: Removed from Ground
Capacity: 6000
Install Date: May 1 1980
Product: OIL
Remove Date: Dec 17 1990
Tank Release Detection: Not reported
Pipe Realease Detection: Not reported
Piping Material: Bare Steel
Piping Type: Not reported
Constr Material: Fiberglass Reinforced plastic
Impressed Device: No

Tank ID: 6
Tank Status: Removed from Ground
Capacity: 20000
Install Date: May 1 1980
Product: OIL
Remove Date: Dec 17 1990
Tank Release Detection: Not reported
Pipe Realease Detection: Not reported
Piping Material: Bare Steel
Piping Type: Not reported
Constr Material: Fiberglass Reinforced plastic
Impressed Device: No

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

GENERAL MOTORS POWERTRAIN LIVONIA ENGINE PLANT (Continued)

1000106050

Tank ID: 7
Tank Status: **Removed from Ground**
Capacity: 10000
Install Date: May 1 1980
Product: OIL
Remove Date: Dec 17 1990
Tank Release Detection: Not reported
Pipe Realease Detection: Not reported
Piping Material: Bare Steel
Piping Type: Not reported
Constr Material: Fiberglass Reinforced plastic
Impressed Device: No

Tank ID: 1
Tank Status: **Removed from Ground**
Capacity: 10000
Install Date: May 1 1984
Product: Diesel
Remove Date: Sep 30 1990
Tank Release Detection: Not reported
Pipe Realease Detection: Not reported
Piping Material: Bare Steel
Piping Type: Not reported
Constr Material: Fiberglass Reinforced plastic
Impressed Device: No

NY MANIFEST:

EPA ID: MID000718874
Country: USA
Mailing Name: GENERAL MOTORS LIVONIA ENGINE
Mailing Contact: CHRISTOPHER SEROY
Mailing Address: 12200 MIDDLEBELT ROAD
Mailing Address 2: Not reported
Mailing City: LIVONIA
Mailing State: MI
Mailing Zip: 48150
Mailing Zip4: Not reported
Mailing Country: USA
Mailing Phone: 734-523-0374

Document ID: NYB9556371
Manifest Status: Not reported
Trans1 State ID: OHD045243706
Trans2 State ID: Not reported
Generator Ship Date: 09/08/2003
Trans1 Recv Date: 09/08/2003
Trans2 Recv Date: Not reported
TSD Site Recv Date: 09/09/2003
Part A Recv Date: Not reported
Part B Recv Date: Not reported
Generator EPA ID: MID000718874
Trans1 EPA ID: NYD049836679
Trans2 EPA ID: Not reported
TSDF ID: Not reported
Waste Code: D008 - LEAD 5.0 MG/L TCLP

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

GENERAL MOTORS POWERTRAIN LIVONIA ENGINE PLANT (Continued)

1000106050

Quantity: 03580
Units: P - Pounds
Number of Containers: 001
Container Type: CM - Metal boxes, cases, roll-offs
Handling Method: L Landfill.
Specific Gravity: 01.00
Year: 03
Manifest Tracking Num: Not reported
Import Ind: Not reported
Export Ind: Not reported
Discr Quantity Ind: Not reported
Discr Type Ind: Not reported
Discr Residue Ind: Not reported
Discr Partial Reject Ind: Not reported
Discr Full Reject Ind: Not reported
Manifest Ref Num: Not reported
Alt Fac RCRA Id: Not reported
Alt Fac Sign Date: Not reported
Mgmt Method Type Code: Not reported

Document ID: NYB9556389
Manifest Status: Not reported
Trans1 State ID: OHD045243706
Trans2 State ID: Not reported
Generator Ship Date: 11/26/2003
Trans1 Recv Date: 11/26/2003
Trans2 Recv Date: Not reported
TSD Site Recv Date: 12/01/2003
Part A Recv Date: Not reported
Part B Recv Date: Not reported
Generator EPA ID: MID000718874
Trans1 EPA ID: NYD049836679
Trans2 EPA ID: Not reported
TSDF ID: OHPUH1762
Waste Code: D008 - LEAD 5.0 MG/L TCLP
Quantity: 04960
Units: P - Pounds
Number of Containers: 001
Container Type: CM - Metal boxes, cases, roll-offs
Handling Method: L Landfill.
Specific Gravity: 01.00
Year: 03
Manifest Tracking Num: Not reported
Import Ind: Not reported
Export Ind: Not reported
Discr Quantity Ind: Not reported
Discr Type Ind: Not reported
Discr Residue Ind: Not reported
Discr Partial Reject Ind: Not reported
Discr Full Reject Ind: Not reported
Manifest Ref Num: Not reported
Alt Fac RCRA Id: Not reported
Alt Fac Sign Date: Not reported
Mgmt Method Type Code: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

GENERAL MOTORS POWERTRAIN LIVONIA ENGINE PLANT (Continued)

1000106050

Document ID: NYB9556578
Manifest Status: Not reported
Trans1 State ID: OHD045243706
Trans2 State ID: Not reported
Generator Ship Date: 06/11/2003
Trans1 Recv Date: 06/11/2003
Trans2 Recv Date: Not reported
TSD Site Recv Date: 06/16/2003
Part A Recv Date: Not reported
Part B Recv Date: Not reported
Generator EPA ID: MID000718874
Trans1 EPA ID: NYD049836679
Trans2 EPA ID: Not reported
TSD ID: TML8502OH
Waste Code: D008 - LEAD 5.0 MG/L TCLP
Quantity: 03000
Units: P - Pounds
Number of Containers: 001
Container Type: CM - Metal boxes, cases, roll-offs
Handling Method: T Chemical, physical, or biological treatment.
Specific Gravity: 01.00
Year: 03
Manifest Tracking Num: Not reported
Import Ind: Not reported
Export Ind: Not reported
Discr Quantity Ind: Not reported
Discr Type Ind: Not reported
Discr Residue Ind: Not reported
Discr Partial Reject Ind: Not reported
Discr Full Reject Ind: Not reported
Manifest Ref Num: Not reported
Alt Fac RCRA Id: Not reported
Alt Fac Sign Date: Not reported
Mgmt Method Type Code: Not reported

Document ID: NYB9556434
Manifest Status: Not reported
Trans1 State ID: OHD045243706
Trans2 State ID: Not reported
Generator Ship Date: 11/02/2005
Trans1 Recv Date: 11/02/2005
Trans2 Recv Date: Not reported
TSD Site Recv Date: 11/03/2005
Part A Recv Date: Not reported
Part B Recv Date: Not reported
Generator EPA ID: MID000718874
Trans1 EPA ID: TH7060TM
Trans2 EPA ID: Not reported
TSD ID: NYD049836679
Waste Code: D002 - NON-LISTED CORROSIVE WASTES
Quantity: 00100
Units: P - Pounds
Number of Containers: 001
Container Type: DF - Fiberboard or plastic drums (glass)
Handling Method: T Chemical, physical, or biological treatment.
Specific Gravity: 01.00

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

GENERAL MOTORS POWERTRAIN LIVONIA ENGINE PLANT (Continued)

1000106050

Waste Code: D002 - NON-LISTED CORROSIVE WASTES
Quantity: 00100
Units: P - Pounds
Number of Containers: 001
Container Type: DF - Fiberboard or plastic drums (glass)
Handling Method: Not reported
Specific Gravity: 01.00
Waste Code: D009 - MERCURY 0.2 MG/L TCLP
Quantity: 00150
Units: P - Pounds
Number of Containers: 002
Container Type: DF - Fiberboard or plastic drums (glass)
Handling Method: R Material recovery of more than 75 percent of the total material.
Specific Gravity: 01.00
Waste Code: Not reported
Quantity: Not reported
Units: Not reported
Number of Containers: Not reported
Container Type: Not reported
Handling Method: T Chemical, physical, or biological treatment.
Specific Gravity: Not reported
Year: Not reported
Manifest Tracking Num: Not reported
Import Ind: Not reported
Export Ind: Not reported
Discr Quantity Ind: Not reported
Discr Type Ind: Not reported
Discr Residue Ind: Not reported
Discr Partial Reject Ind: Not reported
Discr Full Reject Ind: Not reported
Manifest Ref Num: Not reported
Alt Fac RCRA Id: Not reported
Alt Fac Sign Date: Not reported
Mgmt Method Type Code: Not reported

Document ID: NYB9556398
Manifest Status: Not reported
Trans1 State ID: PUN1762OH
Trans2 State ID: Not reported
Generator Ship Date: 02/16/2004
Trans1 Recv Date: 02/16/2004
Trans2 Recv Date: Not reported
TSD Site Recv Date: 02/17/2004
Part A Recv Date: Not reported
Part B Recv Date: Not reported
Generator EPA ID: MID000718874
Trans1 EPA ID: OHD045243706
Trans2 EPA ID: Not reported
TSDF ID: NYD049836
Waste Code: D008 - LEAD 5.0 MG/L TCLP
Quantity: 01800
Units: P - Pounds
Number of Containers: 001
Container Type: CM - Metal boxes, cases, roll-offs
Handling Method: L Landfill.
Specific Gravity: 01.00

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

GENERAL MOTORS POWERTRAIN LIVONIA ENGINE PLANT (Continued)

1000106050

Year: 04
Manifest Tracking Num: Not reported
Import Ind: Not reported
Export Ind: Not reported
Discr Quantity Ind: Not reported
Discr Type Ind: Not reported
Discr Residue Ind: Not reported
Discr Partial Reject Ind: Not reported
Discr Full Reject Ind: Not reported
Manifest Ref Num: Not reported
Alt Fac RCRA Id: Not reported
Alt Fac Sign Date: Not reported
Mgmt Method Type Code: Not reported

Document ID: NYB9556434
Manifest Status: Not reported
Trans1 State ID: OHD045243706
Trans2 State ID: Not reported
Generator Ship Date: 11/02/2005
Trans1 Recv Date: 11/02/2005
Trans2 Recv Date: Not reported
TSD Site Recv Date: 11/03/2005
Part A Recv Date: Not reported
Part B Recv Date: Not reported
Generator EPA ID: MID000718874
Trans1 EPA ID: TH7060TM
Trans2 EPA ID: Not reported
TSDF ID: NYD049836679
Waste Code: D002 - NON-LISTED CORROSIVE WASTES
Quantity: 00100
Units: P - Pounds
Number of Containers: 001
Container Type: DF - Fiberboard or plastic drums (glass)
Handling Method: T Chemical, physical, or biological treatment.
Specific Gravity: 01.00
Waste Code: D002 - NON-LISTED CORROSIVE WASTES
Quantity: 00100
Units: P - Pounds
Number of Containers: 001
Container Type: DF - Fiberboard or plastic drums (glass)
Handling Method: Not reported
Specific Gravity: 01.00
Waste Code: D009 - MERCURY 0.2 MG/L TCLP
Quantity: 00150
Units: P - Pounds
Number of Containers: 002
Container Type: DF - Fiberboard or plastic drums (glass)
Handling Method: R Material recovery of more than 75 percent of the total material.
Specific Gravity: 01.00
Waste Code: Not reported
Quantity: Not reported
Units: Not reported
Number of Containers: Not reported
Container Type: Not reported
Handling Method: T Chemical, physical, or biological treatment.
Specific Gravity: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

GENERAL MOTORS POWERTRAIN LIVONIA ENGINE PLANT (Continued)

1000106050

Year: 2005
Manifest Tracking Num: Not reported
Import Ind: Not reported
Export Ind: Not reported
Discr Quantity Ind: Not reported
Discr Type Ind: Not reported
Discr Residue Ind: Not reported
Discr Partial Reject Ind: Not reported
Discr Full Reject Ind: Not reported
Manifest Ref Num: Not reported
Alt Fac RCRA Id: Not reported
Alt Fac Sign Date: Not reported
Mgmt Method Type Code: Not reported

A9
Target
Property

12200 MIDDLEBELT RD.
12200 MIDDLEBELT RD.
LIVONIA, MI 48150

ERNS **2006803850**
N/A

Site 9 of 14 in cluster A

Actual:
632 ft.

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

A10
Target
Property

GENERAL MOTORS
12200 MIDDLEBELT ROAD
LIVONIA, MI 48150

NPDES **S107792212**
N/A

Site 10 of 14 in cluster A

Actual:
632 ft.

MI NPDES:
Permit Number: MIS210318
Permittee PO Box: N
Permittee Email: Not reported
Issue Date: 4/17/2007
Effective Date: 4/17/2007
Expiration Date: 4/1/2012
Permittee Name: General Motors Corporation
Permittee Address: 12200 Middlebelt Road
Permittee Addr2: Not reported
Permittee City,St,Zip: Livonia, MI 48150
Permit Type: COC
Facility Name 2: Powertrain Division
Facility Name 3: Livonia
Facility Name 4: Not reported
Designed Name: GM-Powertrain Div-Livonia
Latitude: 42.376111000000002
Lat Direction: N
Lat Type Code: LAT
Longitude: -83.333055000000002
Lon Direction: W
Lon Type Code: LON
Hydrologic Unit Code: 4090004

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

A11
Target
Property

12200 MIDDLEBELT RD
12200 MIDDLEBELT RD
LIVONIA, MI 48150

ERNS 92255939
N/A

Site 11 of 14 in cluster A

Actual:
632 ft.

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

A12
Target
Property

INTERNATIONAL TRANSMISSION COMPANY LLC
12200 MIDDLEBELT
LIVONIA, MI 48150

RCRA-CESQG 1007202952
MIK739296762

Site 12 of 14 in cluster A

Actual:
632 ft.

RCRA-CESQG:
Date form received by agency: 01/09/2004
Facility name: INTERNATIONAL TRANSMISSION COMPANY LLC
Facility address: 12200 MIDDLEBELT
LIVONIA, MI 48150
EPA ID: MIK739296762
Mailing address: 39500 ORCHARD HILL PLACE
NOVI, MI 48375
Contact: STEVEN SCZYTOKO
Contact address: 12200 MIDDLEBELT
LIVONIA, MI 48150
Contact country: Not reported
Contact telephone: (248) 374-7100
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: INTERNATIONAL TRANSMISSION 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: 03/01/2003
Owner/Op end date: Not reported

Owner/operator name: DTE ENERGY
Owner/operator address: Not reported
Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

INTERNATIONAL TRANSMISSION COMPANY LLC (Continued)

1007202952

Owner/operator country: Not reported
Owner/operator telephone: Not reported
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: 01/28/2004
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
Off-site waste receiver: Commercial status unknown

Universal Waste Summary:

Waste type: DEVICES CONTAINING ELEMENTAL MERCURY
Accumulated waste on-site: No
Generated waste on-site: No

Waste type: MERCURY THERMOMETERS
Accumulated waste on-site: No
Generated waste on-site: No

Waste type: MERCURY SWITCHES
Accumulated waste on-site: No
Generated waste on-site: No

Waste type: Batteries
Accumulated waste on-site: No
Generated waste on-site: No

Waste type: Lamps
Accumulated waste on-site: No
Generated waste on-site: No

Waste type: Pesticides
Accumulated waste on-site: No
Generated waste on-site: No

Waste type: Thermostats
Accumulated waste on-site: No
Generated waste on-site: No

Violation Status: No violations found

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

A13
Target
Property
12200 MIDDLEBELT RD LIVONIA
12200 MIDDLEBELT RD LIVONIA
WAYNE (County), MI

ERNS
871255
N/A

Site 13 of 14 in cluster A

Actual:
632 ft.

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

A14
Target
Property
INTERNATIONAL TRANSMISSION COMPANY, LLC
12200 MIDDLEBELT
LIVONIA, MI 48150

FINDS
1007214490
N/A

Site 14 of 14 in cluster A

Actual:
632 ft.

FINDS:

Registry ID: 110016723205

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.

15
WSW
< 1/8
0.122 mi.
647 ft.

FIRE STATION #4
12300 MIDDLEBELT RD
LIVONIA, MI 48150

LUST
UST
U003330012
N/A

Relative:
Higher

LUST:

Actual:
633 ft.

Facility ID: 00012467
Source: STATE OF MICHIGAN
Owner Name: City of Livonia
Owner Address: 12973 Farmington Rd
Owner City,St,Zip: Livonia, MI 48150-4202
Owner Contact: Mr Garrison
Owner Phone: (734) 466-2607
Country: USA
District: SE Michigan District Office
Site Name: Fire Station #4
Latitude: 42.3762160000
Longitude: -83.3332430000
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-0339-96
Release Date: May 28 1996
Substance Released: Diesel
Release Status: Closed

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

FIRE STATION #4 (Continued)

U003330012

Release Closed Date: Jul 8 1996

UST:

Facility ID: 00012467
Facility Type: CLOSED
Latitude: 42.3762160000
Longitude: -83.3332430000
Owner Name: City of Livonia
Owner Address: 12973 Farmington Rd
Owner City,St,Zip: Livonia, MI 48150-4202
Owner Country: USA
Owner Contact: Mr Garrison
Owner Phone: (734) 466-2607
Contact: ROBERT BECKLEY
Contact Phone: (734) 522-1691
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

Tank ID: 1

Tank Status: Removed from Ground

Capacity: 2000
Install Date: Jan 1 1962
Product: Gasoline
Remove Date: May 23 1996
Tank Release Detection: Not reported
Pipe Release Detection: Not reported
Piping Material: Unknown
Piping Type: Not reported
Constr Material: Unknown
Impressed Device: No

16
NW
1/8-1/4
0.137 mi.
724 ft.

CSX TRANSPORTATION INC
12619 MIDDLEBELT ROAD
LIVONIA, MI 48150

RCRA-CESQG 1007102215
MIP200001472

Relative:
Higher

RCRA-CESQG:

Date form received by agency: 09/10/2008
Facility name: CSX TRANSPORTATION INC
Facility address: 12619 MIDDLEBELT ROAD
LIVONIA, MI 48150
EPA ID: MIP200001472
Mailing address: 500 WATER STREET
JACKSONVILLE, FL 32202
Contact: TONY BELLAMY
Contact address: 12619 MIDDLEBELT ROAD
LIVONIA, MI 48150
Contact country: Not reported
Contact telephone: (904) 359-3691
Contact email: Not reported
EPA Region: 05

Actual:
634 ft.

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CSX TRANSPORTATION INC (Continued)

1007102215

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: CSX TRANSPORTATION
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: 07/21/2005
Owner/Op end date: Not reported

Owner/operator name: CSX TRANSPORTATION
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: 07/21/2005
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
Off-site waste receiver: Commercial status unknown

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CSX TRANSPORTATION INC (Continued)

1007102215

Universal Waste Summary:

Waste type: DEVICES CONTAINING ELEMENTAL MERCURY
Accumulated waste on-site: No
Generated waste on-site: No

Waste type: MERCURY THERMOMETERS
Accumulated waste on-site: No
Generated waste on-site: No

Waste type: MERCURY SWITCHES
Accumulated waste on-site: No
Generated waste on-site: No

Waste type: Batteries
Accumulated waste on-site: No
Generated waste on-site: No

Waste type: Lamps
Accumulated waste on-site: No
Generated waste on-site: No

Waste type: Pesticides
Accumulated waste on-site: No
Generated waste on-site: No

Waste type: Thermostats
Accumulated waste on-site: No
Generated waste on-site: No

Historical Generators:

Date form received by agency: 08/08/2005
Facility name: CSX TRANSPORTATION INC
Classification: Not a generator, verified

Date form received by agency: 01/01/1980
Facility name: CSX TRANSPORTATION INC
Classification: Not a generator, verified

Violation Status: No violations found

17
NW
1/8-1/4
0.194 mi.
1026 ft.

SUPER VALUE HOLDINGS INC
12701 MIDDLEBELT RD
LIVONIA, MI 48150

RCRA-SQG 1000189817
FINDS MID108425984
LUST
UST
SPILLS

Relative:
Higher

RCRA-SQG:
Date form received by agency: 04/13/2005
Facility name: SUPER VALUE HOLDINGS INC
Facility address: 12701 MIDDLEBELT RD
LIVONIA, MI 48150
EPA ID: MID108425984
Contact: RICHARD NOTHNAGEL
Contact address: 12701 MIDDLEBELT RD
LIVONIA, MI 48150
Contact country: Not reported
Contact telephone: (734) 523-2150
Contact email: Not reported

Actual:
634 ft.

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

SUPER VALUE HOLDINGS INC (Continued)

1000189817

EPA Region: 05
Land type: Private
Classification: Small Small Quantity Generator
Description: Handler: generates more than 100 and less than 1000 kg of hazardous waste during any calendar month and accumulates less than 6000 kg of hazardous waste at any time; or generates 100 kg or less of hazardous waste during any calendar month, and accumulates more than 1000 kg of hazardous waste at any time

Owner/Operator Summary:

Owner/operator name: KROGER CO THE
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: 06/06/1998
Owner/Op end date: Not reported

Owner/operator name: KROGER CO THE
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: 06/06/1998
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
Off-site waste receiver: Commercial status unknown

Universal Waste Summary:

Waste type: DEVICES CONTAINING ELEMENTAL MERCURY
Accumulated waste on-site: No
Generated waste on-site: No

Waste type: MERCURY THERMOMETERS
Accumulated waste on-site: No
Generated waste on-site: No

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

SUPER VALUE HOLDINGS INC (Continued)

1000189817

Waste type: MERCURY SWITCHES
Accumulated waste on-site: No
Generated waste on-site: No

Waste type: Batteries
Accumulated waste on-site: No
Generated waste on-site: No

Waste type: Lamps
Accumulated waste on-site: No
Generated waste on-site: No

Waste type: Pesticides
Accumulated waste on-site: No
Generated waste on-site: No

Waste type: Thermostats
Accumulated waste on-site: No
Generated waste on-site: No

Historical Generators:

Date form received by agency: 03/24/2004
Facility name: SUPER VALUE HOLDINGS INC
Classification: Small Quantity Generator

Date form received by agency: 04/30/2003
Facility name: SUPER VALUE HOLDINGS INC
Classification: Small Quantity Generator

Date form received by agency: 08/27/2002
Facility name: SUPER VALUE HOLDINGS INC
Classification: Small Quantity Generator

Date form received by agency: 08/22/1986
Facility name: SUPER VALUE HOLDINGS INC
Classification: Small Quantity Generator

Facility Has Received Notices of Violations:

Regulation violated: Not reported
Area of violation: LDR - General
Date violation determined: 10/01/1993
Date achieved compliance: 06/09/1994
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 10/01/1993
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: 10/01/1993
Date achieved compliance: 06/09/1994

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

SUPER VALUE HOLDINGS INC (Continued)

1000189817

Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 10/01/1993
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

Evaluation Action Summary:

Evaluation date: 09/24/1993
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: LDR - General
Date achieved compliance: 06/09/1994
Evaluation lead agency: State

Evaluation date: 09/24/1993
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Generators - General
Date achieved compliance: 06/09/1994
Evaluation lead agency: State

FINDS:

Registry ID: 110003611020

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.

LUST:

Facility ID: 00007089
Source: STATE OF MICHIGAN
Owner Name: Advantage Logistics
Owner Address: 10717 Adam St Ste 200
Owner City,St,Zip: Holland, MI 49422
Owner Contact: Not reported
Owner Phone: (734) 523-2187
Country: USA
District: SE Michigan District Office
Site Name: Foodland Distributors
Latitude: 42.3773890000
Longitude: -83.3336520000
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)

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

SUPER VALUE HOLDINGS INC (Continued)

1000189817

Leak Number: C-0288-99
Release Date: Mar 22 1999
Substance Released: Unknown
Release Status: Closed
Release Closed Date: Oct 4 2000

Leak Number: C-0974-95
Release Date: Aug 23 1995
Substance Released: Diesel
Release Status: Open
Release Closed Date: Not reported

Leak Number: C-1149-98
Release Date: May 14 1998
Substance Released: Unknown
Release Status: Closed
Release Closed Date: May 22 2000

Leak Number: C-1150-98
Release Date: May 14 1998
Substance Released: Unknown
Release Status: Closed
Release Closed Date: Apr 23 1999

UST:

Facility ID: 00007089
Facility Type: ACTIVE
Latitude: 42.3773890000
Longitude: -83.3336520000
Owner Name: Advantage Logistics
Owner Address: 10717 Adam St Ste 200
Owner City,St,Zip: Holland, MI 49422
Owner Country: USA
Owner Contact: Not reported
Owner Phone: (734) 523-2187
Contact: George Toloff
Contact Phone: (734) 523-2187
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

Tank ID: 8
Tank Status: **Removed from Ground**
Capacity: 12000
Install Date: Feb 26 1975
Product: Diesel,6
Remove Date: Jul 26 1990
Tank Release Detection: Not reported
Pipe Release Detection: Not reported
Piping Material: Unknown
Piping Type: Not reported
Constr Material: Asphalt Coated or Bare Steel
Impressed Device: No

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

SUPER VALUE HOLDINGS INC (Continued)

1000189817

Tank ID: 9
Tank Status: **Currently In Use**
Capacity: 2000
Install Date: Nov 13 1990
Product: Used Oil
Remove Date: Not reported
Tank Release Detection: Inter Monitoring/Second Containment
Pipe Realease Detection: Line Tightness Testing
Piping Material: Not reported
Piping Type: Gravity Fed?
Constr Material: Double Walled
Impressed Device: No

Tank ID: 10
Tank Status: **Currently In Use**
Capacity: 6000
Install Date: Nov 13 1990
Product: ENGINE OIL
Remove Date: Not reported
Tank Release Detection: Automatic Tank Gauging,Manual Tank Gauging
Pipe Realease Detection: Line Tightness Testing
Piping Material: Not reported
Piping Type: Suction: Valve at Tank
Constr Material: Cathodically Protected Steel
Impressed Device: Yes

Tank ID: 1
Tank Status: **Removed from Ground**
Capacity: 600
Install Date: Feb 25 1957
Product: Used Oil
Remove Date: Jan 1 1986
Tank Release Detection: Not reported
Pipe Realease Detection: Not reported
Piping Material: Unknown
Piping Type: Not reported
Constr Material: Asphalt Coated or Bare Steel
Impressed Device: No

Tank ID: 2
Tank Status: **Removed from Ground**
Capacity: 2000
Install Date: Feb 25 1969
Product: Used Oil
Remove Date: Jun 7 1990
Tank Release Detection: Not reported
Pipe Realease Detection: Not reported
Piping Material: Unknown
Piping Type: Not reported
Constr Material: Asphalt Coated or Bare Steel
Impressed Device: No

Tank ID: 3

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

SUPER VALUE HOLDINGS INC (Continued)

1000189817

Tank Status: Removed from Ground
Capacity: 6000
Install Date: Feb 25 1969
Product: NEW OIL,Hazardous Substance
Remove Date: Jun 7 1990
Tank Release Detection: Not reported
Pipe Realease Detection: Not reported
Piping Material: Unknown
Piping Type: Not reported
Constr Material: Asphalt Coated or Bare Steel
Impressed Device: No

Tank ID: 4
Tank Status: Currently In Use
Capacity: 25000
Install Date: Feb 26 1983
Product: Diesel
Remove Date: Not reported
Tank Release Detection: Automatic Tank Gauging
Pipe Realease Detection: Line Tightness Testing
Piping Material: Not reported
Piping Type: Suction: Valve at Tank
Constr Material: Fiberglass Reinforced plastic
Impressed Device: No

Tank ID: 5
Tank Status: Removed from Ground
Capacity: 12000
Install Date: Feb 25 1957
Product: Diesel
Remove Date: Jul 26 1990
Tank Release Detection: Not reported
Pipe Realease Detection: Not reported
Piping Material: Unknown
Piping Type: Not reported
Constr Material: Unknown
Impressed Device: No

Tank ID: 6
Tank Status: Removed from Ground
Capacity: 12000
Install Date: Feb 25 1957
Product: Diesel,6
Remove Date: Jul 26 1990
Tank Release Detection: Not reported
Pipe Realease Detection: Not reported
Piping Material: Unknown
Piping Type: Not reported
Constr Material: Unknown
Impressed Device: No

Tank ID: 7
Tank Status: Removed from Ground

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

SUPER VALUE HOLDINGS INC (Continued)

1000189817

Capacity: 12000
Install Date: Feb 26 1975
Product: Diesel,64741-44-2
Remove Date: Jul 26 1990
Tank Release Detection: Not reported
Pipe Release Detection: Not reported
Piping Material: Unknown
Piping Type: Not reported
Constr Material: Unknown
Impressed Device: No

MI PEAS:

Incident Date: 06/21/2000
Date Of PEAS Call: 06/21/2000
Complainant / Company: Richard Nothnagel w/Advantage Logistics
Complainant Address: 12701 Middlebelt
Company Involved: Richard Nothnagel w/Advantage Logistics
DEQ Division Involved: SWQD/Dept. of Trans.
Incident Description: A tractor hit some debris on the freeway and punctured the gas tank. Hedrove it back to the company. He spilled Number 2 diesel fuel on the highway, but the majority is in the lot of the company. The Livonia FireDepartment has a company coming to pump the storm drain.
Description: Not reported

B18
SSW
1/4-1/2
0.258 mi.
1364 ft.
AMERICAS AUTO VILLAGE
11940 MIDDLEBELT RD
LIVONIA, MI 48323
Site 1 of 7 in cluster B

LUST
UST
U000266790
N/A

Relative:
Higher

LUST:

Actual:
634 ft.

Facility ID: 00003715
Source: STATE OF MICHIGAN
Owner Name: 11900 Middlebelt Limited Ptnp
Owner Address: 6625 Torybrooke Cir
Owner City,St,Zip: West Bloomfield, MI 48323-2160
Owner Contact: Not reported
Owner Phone: (248) 682-0800
Country: USA
District: SE Michigan District Office
Site Name: Americas Auto Village
Latitude: 42.3738420000
Longitude: -83.3331620000
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-0125-96
Release Date: Mar 5 1996
Substance Released: Used Oil
Release Status: Closed
Release Closed Date: Apr 24 1996

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

AMERICAS AUTO VILLAGE (Continued)

U000266790

UST:

Facility ID: 00003715
Facility Type: CLOSED
Latitude: 42.3738420000
Longitude: -83.3331620000
Owner Name: 11900 Middlebelt Limited Ptnp
Owner Address: 6625 Torybrooke Cir
Owner City,St,Zip: West Bloomfield, MI 48323-2160
Owner Country: USA
Owner Contact: Not reported
Owner Phone: (248) 682-0800
Contact: ERIC WOLFE
Contact Phone: (248) 682-0800
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

Tank ID: 1
Tank Status: Removed from Ground
Capacity: 560
Install Date: Feb 3 1988
Product: Used Oil
Remove Date: Feb 20 1995
Tank Release Detection: Not reported
Pipe Release Detection: Not reported
Piping Material: Fiberglass reinforced plastic
Piping Type: Suction: No Valve At Tank
Constr Material: Cathodically Protected Steel
Impressed Device: No

B19 **NEIGHBORHOOD COLLISION**
SSW **11900 MIDDLEBELT**
1/4-1/2 **LIVONIA, MI 48150**
0.276 mi.
1457 ft. **Site 2 of 7 in cluster B**

RCRA-NonGen **1000465831**
FINDS **MID985605229**

Relative:
Higher

RCRA-NonGen:

Actual:
634 ft.

Date form received by agency: 07/14/1998
Facility name: NEIGHBORHOOD COLLISION
Facility address: 11900 MIDDLEBELT
LIVONIA, MI 48150
EPA ID: MID985605229
Contact: PAT TIBBITT
Contact address: 11900 MIDDLEBELT
LIVONIA, MI 48150
Contact country: Not reported
Contact telephone: (313) 458-1846
Contact email: Not reported
EPA Region: 05
Classification: Non-Generator
Description: Handler: Non-Generators do not presently generate hazardous waste

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

NEIGHBORHOOD COLLISION (Continued)

1000465831

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: 01/03/1970
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: 01/03/1970
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
Off-site waste receiver: Commercial status unknown

Universal Waste Summary:

Waste type: DEVICES CONTAINING ELEMENTAL MERCURY
Accumulated waste on-site: No
Generated waste on-site: No

Waste type: MERCURY THERMOMETERS
Accumulated waste on-site: No
Generated waste on-site: No

Waste type: MERCURY SWITCHES
Accumulated waste on-site: No
Generated waste on-site: No

Waste type: Batteries
Accumulated waste on-site: No
Generated waste on-site: No

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

NEIGHBORHOOD COLLISION (Continued)

1000465831

Waste type: Lamps
Accumulated waste on-site: No
Generated waste on-site: No

Waste type: Pesticides
Accumulated waste on-site: No
Generated waste on-site: No

Waste type: Thermostats
Accumulated waste on-site: No
Generated waste on-site: No

Historical Generators:

Date form received by agency: 02/11/1991
Facility name: NEIGHBORHOOD COLLISION
Classification: Not a generator, verified

Violation Status: No violations found

FINDS:

Registry ID: 110003652440

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.

B20
SSW
1/4-1/2
0.276 mi.
1457 ft.

JEFFY LUBE
11900 MIDDLEBELT
LIVONIA, MI 48150

RCRA-NonGen **1000464995**
FINDS **MID985593524**

Site 3 of 7 in cluster B

Relative:
Higher

RCRA-NonGen:

Date form received by agency: 07/14/1998
Facility name: JEFFY LUBE
Facility address: 11900 MIDDLEBELT
LIVONIA, MI 48150
EPA ID: MID985593524
Contact: TODD SULLIVAN
Contact address: 11900 MIDDLEBELT
LIVONIA, MI 48150
Contact country: Not reported
Contact telephone: (313) 427-9880
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: NO ACTIVE O/OP AS NOT GENERATING WASTE
Owner/operator address: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

JIFFY LUBE (Continued)

1000464995

Owner/operator country:	Not reported
Owner/operator telephone:	Not reported
Legal status:	Private
Owner/Operator Type:	Operator
Owner/Op start date:	01/03/1970
Owner/Op end date:	Not reported
Owner/operator name:	NO ACTIVE O/OP AS NOT GENERATING WASTE
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:	01/03/1970
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
Off-site waste receiver:	Commercial status unknown

Universal Waste Summary:

Waste type:	DEVICES CONTAINING ELEMENTAL MERCURY
Accumulated waste on-site:	No
Generated waste on-site:	No
Waste type:	MERCURY THERMOMETERS
Accumulated waste on-site:	No
Generated waste on-site:	No
Waste type:	MERCURY SWITCHES
Accumulated waste on-site:	No
Generated waste on-site:	No
Waste type:	Batteries
Accumulated waste on-site:	No
Generated waste on-site:	No
Waste type:	Lamps
Accumulated waste on-site:	No
Generated waste on-site:	No

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

JIFFY LUBE (Continued)

1000464995

Waste type: Pesticides

Accumulated waste on-site: No

Generated waste on-site: No

Waste type: Thermostats

Accumulated waste on-site: No

Generated waste on-site: No

Historical Generators:

Date form received by agency: 09/27/1990

Facility name: JIFFY LUBE

Classification: Not a generator, verified

Violation Status: No violations found

FINDS:

Registry ID: 110003645627

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.

B21
SSW
1/4-1/2
0.276 mi.
1457 ft.

ALL TUNE AND LUBE
11900 MIDDLEBELT
LIVONIA, MI 48150

RCRA-CESQG
FINDS

1004723158
MID985582626

Site 4 of 7 in cluster B

Relative:
Higher

RCRA-CESQG:

Date form received by agency: 07/13/1990

Facility name: ALL TUNE AND LUBE

Facility address: 11900 MIDDLEBELT

LIVONIA, MI 48150

EPA ID: MID985582626

Contact: BOB LOVELACE

Contact address: 11900 MIDDLEBELT

LIVONIA, MI 48150

Contact country: Not reported

Contact telephone: (734) 425-4310

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

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

ALL TUNE AND LUBE (Continued)

1004723158

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: MICHIGAN TUNE AND LUBE
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: 05/05/1992
Owner/Op end date: Not reported

Owner/operator name: MICHIGAN TUNE AND LUBE
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: 05/05/1992
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
Off-site waste receiver: Commercial status unknown

Universal Waste Summary:

Waste type: DEVICES CONTAINING ELEMENTAL MERCURY
Accumulated waste on-site: No
Generated waste on-site: No

Waste type: MERCURY THERMOMETERS
Accumulated waste on-site: No
Generated waste on-site: No

Waste type: MERCURY SWITCHES
Accumulated waste on-site: No
Generated waste on-site: No

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

ALL TUNE AND LUBE (Continued)

1004723158

Waste type: Batteries
Accumulated waste on-site: No
Generated waste on-site: No

Waste type: Lamps
Accumulated waste on-site: No
Generated waste on-site: No

Waste type: Pesticides
Accumulated waste on-site: No
Generated waste on-site: No

Waste type: Thermostats
Accumulated waste on-site: No
Generated waste on-site: No

Violation Status: No violations found

FINDS:

Registry ID: 110003642416

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.

B22
SSW
1/4-1/2
0.276 mi.
1457 ft.

JIFFY LUBE STORE #944
11900 MIDDLEBELT RD
LIVONIA, MI 77252
Site 5 of 7 in cluster B

UST **U003323148**
N/A

Relative:
Higher

UST:

Actual:
634 ft.

Facility ID: 00014745
Facility Type: CLOSED
Latitude: 42.3733620000
Longitude: -83.3331430000
Owner Name: Jiffy Lube Intl Inc
Owner Address: PO Box 2967
Owner City,St,Zip: Houston, TX 77252-2967
Owner Country: USA
Owner Contact: Not reported
Owner Phone: (713) 546-4100
Contact: DAN MC QUILLEN
Contact Phone: (713) 546-8517
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

JIFFY LUBE STORE #944 (Continued)

U003323148

Tank ID: 1
Tank Status: **Removed from Ground**
Capacity: 2000
Install Date: Oct 13 1988
Product: Used Oil
Remove Date: Sep 18 1995
Tank Release Detection: Not reported
Pipe Release Detection: Not reported
Piping Material: Galvanized Steel
Piping Type: Not reported
Constr Material: Fiberglass Reinforced plastic,Lined Interior
Impressed Device: No

23
ESE
1/4-1/2
0.280 mi.
1479 ft.

ALL ASPECTS PAINTING & DRYWALL LLC
12263 HARTEL ST
LIVONIA, MI 48150

RCRA-NonGen **1010784664**
MIK143134963

Relative:
Lower

RCRA-NonGen:
Date form received by agency: 01/01/2007
Facility name: ALL ASPECTS PAINTING & DRYWALL LLC
Facility address: 12263 HARTEL ST
LIVONIA, MI 48150
EPA ID: MIK143134963
Contact: JOHN LEVITTE
Contact address: 12263 HARTEL ST
LIVONIA, MI 48150
Contact country: Not reported
Contact telephone: (313) 399-2092
Contact email: Not reported
EPA Region: 05
Classification: Non-Generator
Description: Handler: Non-Generators do not presently generate hazardous waste

Actual:
630 ft.

Owner/Operator Summary:
Owner/operator name: JOHN LEVITTE
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: 01/01/2007
Owner/Op end date: Not reported

Owner/operator name: JOHN LEVITTE
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: 01/01/2007
Owner/Op end date: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

ALL ASPECTS PAINTING & DRYWALL LLC (Continued)

1010784664

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
Off-site waste receiver: Commercial status unknown

Universal Waste Summary:

Waste type: DEVICES CONTAINING ELEMENTAL MERCURY
Accumulated waste on-site: No
Generated waste on-site: No

Waste type: MERCURY THERMOMETERS
Accumulated waste on-site: No
Generated waste on-site: No

Waste type: MERCURY SWITCHES
Accumulated waste on-site: No
Generated waste on-site: No

Waste type: Batteries
Accumulated waste on-site: No
Generated waste on-site: No

Waste type: Lamps
Accumulated waste on-site: No
Generated waste on-site: No

Waste type: Pesticides
Accumulated waste on-site: No
Generated waste on-site: No

Waste type: Thermostats
Accumulated waste on-site: No
Generated waste on-site: No

Violation Status: No violations found

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

B24
SSW
1/4-1/2
0.289 mi.
1528 ft.

NATIONAL PARTS DISTRIBUTION CEN.
11871 MIDDLEBELT RD
LIVONIA, MI 48150

Site 6 of 7 in cluster B

LUST **U000266783**
UST **N/A**

Relative:
Higher

LUST:

Actual:
634 ft.

Facility ID: 00033310
Source: STATE OF MICHIGAN
Owner Name: Ford Motor Co
Owner Address: One Parklane Blvd Suite #500 E
Owner City,St,Zip: Dearborn, MI 48126
Owner Contact: Not reported
Owner Phone: (313) 322-0701
Country: USA
District: SE Michigan District Office
Site Name: Fomoco Part Distribution Center
Latitude: 42.3728460000
Longitude: -83.3334950000
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-0055-90
Release Date: Jan 9 1990
Substance Released: Not reported
Release Status: Closed
Release Closed Date: Mar 14 1997

Leak Number: C-1901-90
Release Date: Sep 23 1990
Substance Released: Not reported
Release Status: Closed
Release Closed Date: Mar 14 1997

Leak Number: C-2059-90
Release Date: Oct 15 1990
Substance Released: Not reported
Release Status: Closed
Release Closed Date: Mar 14 1997

UST:

Facility ID: 00033310
Facility Type: CLOSED
Latitude: 42.3728460000
Longitude: -83.3334950000
Owner Name: Ford Motor Co
Owner Address: One Parklane Blvd Suite #500 E
Owner City,St,Zip: Dearborn, MI 48126
Owner Country: USA
Owner Contact: Not reported
Owner Phone: (313) 322-0701
Contact: CAROL HARTLEY
Contact Phone: (313) 594-2813
Date of Collection: 01-11-2001
Accuracy: 100

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

NATIONAL PARTS DISTRIBUTION CEN. (Continued)

U000266783

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

Tank ID: 1
Tank Status: Removed from Ground
Capacity: 12000
Install Date: Jan 23 1968
Product: Gasoline
Remove Date: Sep 27 1990
Tank Release Detection: Not reported
Pipe Realease Detection: Not reported
Piping Material: Galvanized Steel
Piping Type: Not reported
Constr Material: Asphalt Coated or Bare Steel
Impressed Device: No

Tank ID: 3
Tank Status: Removed from Ground
Capacity: 500
Install Date: Jan 23 1970
Product: WATER & OIL
Remove Date: Dec 22 1989
Tank Release Detection: Not reported
Pipe Realease Detection: Not reported
Piping Material: Galvanized Steel
Piping Type: Not reported
Constr Material: Asphalt Coated or Bare Steel
Impressed Device: No

Tank ID: 2
Tank Status: Removed from Ground
Capacity: 6000
Install Date: Jan 23 1968
Product: Gasoline
Remove Date: Sep 27 1990
Tank Release Detection: Not reported
Pipe Realease Detection: Not reported
Piping Material: Galvanized Steel
Piping Type: Not reported
Constr Material: Asphalt Coated or Bare Steel
Impressed Device: No

Tank ID: 4
Tank Status: Removed from Ground
Capacity: 500
Install Date: Not reported
Product: WATER & GAS
Remove Date: Dec 22 1989
Tank Release Detection: Not reported
Pipe Realease Detection: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

NATIONAL PARTS DISTRIBUTION CEN. (Continued)

U000266783

Piping Material: Galvanized Steel
Piping Type: Not reported
Constr Material: Asphalt Coated or Bare Steel
Impressed Device: No

B25
SSW
1/4-1/2
0.289 mi.
1528 ft.

FORD MOTOR COMPANY
11871 MIDDLEBELT RD
LIVONIA, MI 48150

RCRA-CESQG
FINDS
MANIFEST

1000183634
MID000809772

Site 7 of 7 in cluster B

Relative:
Higher

RCRA-CESQG:

Date form received by agency: 07/21/2006

Facility name: FORD MOTOR COMPANY

Facility address: 11871 MIDDLEBELT RD
LIVONIA, MI 48150

EPA ID: MID000809772

Contact: WILLIAM STEWART

Contact address: 11871 MIDDLEBELT RD
LIVONIA, MI 48150

Contact country: Not reported

Contact telephone: (734) 523-3311

Contact email: Not reported

EPA Region: 05

Land type: Private

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: FORD MOTOR 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: 01/02/1950

Owner/Op end date: Not reported

Owner/operator name: FORD MOTOR 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

FORD MOTOR COMPANY (Continued)

1000183634

Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: 01/02/1950
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
Off-site waste receiver: Commercial status unknown

Universal Waste Summary:

Waste type: DEVICES CONTAINING ELEMENTAL MERCURY
Accumulated waste on-site: No
Generated waste on-site: No

Waste type: MERCURY THERMOMETERS
Accumulated waste on-site: No
Generated waste on-site: No

Waste type: MERCURY SWITCHES
Accumulated waste on-site: No
Generated waste on-site: No

Waste type: Batteries
Accumulated waste on-site: No
Generated waste on-site: No

Waste type: Lamps
Accumulated waste on-site: No
Generated waste on-site: No

Waste type: Pesticides
Accumulated waste on-site: No
Generated waste on-site: No

Waste type: Thermostats
Accumulated waste on-site: No
Generated waste on-site: No

Historical Generators:

Date form received by agency: 09/23/2002
Facility name: FORD MOTOR COMPANY
Classification: Conditionally Exempt Small Quantity Generator

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

FORD MOTOR COMPANY (Continued)

1000183634

Date form received by agency: 12/13/1993
Facility name: FORD MOTOR COMPANY
Classification: Conditionally Exempt Small Quantity Generator

Date form received by agency: 08/18/1980
Facility name: FORD MOTOR COMPANY
Classification: Conditionally Exempt Small Quantity Generator

Facility Has Received Notices of Violations:

Regulation violated: Not reported
Area of violation: Generators - Records/Reporting
Date violation determined: 09/23/1996
Date achieved compliance: 06/26/1997
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 09/23/1996
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

Regulation violated: Not reported
Area of violation: Generators - Pre-transport
Date violation determined: 09/23/1996
Date achieved compliance: 06/26/1997
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 09/23/1996
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

Regulation violated: Not reported
Area of violation: Generators - Manifest
Date violation determined: 09/23/1996
Date achieved compliance: 06/26/1997
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 09/23/1996
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

Regulation violated: Not reported
Area of violation: Generators - General
Date violation determined: 09/23/1996
Date achieved compliance: 06/26/1997
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

FORD MOTOR COMPANY (Continued)

1000183634

Enforcement action date: 09/23/1996
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: 09/12/1996
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Generators - General
Date achieved compliance: 06/26/1997
Evaluation lead agency: State

Evaluation date: 09/12/1996
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Generators - Manifest
Date achieved compliance: 06/26/1997
Evaluation lead agency: State

Evaluation date: 09/12/1996
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Generators - Records/Reporting
Date achieved compliance: 06/26/1997
Evaluation lead agency: State

Evaluation date: 09/12/1996
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Generators - Pre-transport
Date achieved compliance: 06/26/1997
Evaluation lead agency: State

FINDS:

Registry ID: 110002026897

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.

NY MANIFEST:

EPA ID: MID000809772
Country: USA
Mailing Name: FORD MOTOR CO
Mailing Contact: R J NOLAN
Mailing Address: 11871 MIDDLEBELT
Mailing Address 2: Not reported
Mailing City: LIVONIA
Mailing State: MI
Mailing Zip: 48150
Mailing Zip4: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

FORD MOTOR COMPANY (Continued)

1000183634

Mailing Country: USA
Mailing Phone: 313-523-3225

Document ID: NYB4214637
Manifest Status: Completed copy
Trans1 State ID: 78959
Trans2 State ID: Not reported
Generator Ship Date: 921222
Trans1 Recv Date: 921222
Trans2 Recv Date: Not reported
TSD Site Recv Date: 921223
Part A Recv Date: 930106
Part B Recv Date: 930107
Generator EPA ID: MID000809772
Trans1 EPA ID: ILD099202681
Trans2 EPA ID: Not reported
TSDF ID: NYD049836679
Waste Code: B007 - OTHER MISCELLANEOUS PCB WASTES
Quantity: 00100
Units: K - Kilograms (2.2 pounds)
Number of Containers: 002
Container Type: DM - Metal drums, barrels
Handling Method: L Landfill.
Specific Gravity: 100
Waste Code: Not reported
Quantity: 04581
Units: K - Kilograms (2.2 pounds)
Number of Containers: 031
Container Type: DM - Metal drums, barrels
Handling Method: L Landfill.
Specific Gravity: 100
Year: 92
Manifest Tracking Num: Not reported
Import Ind: Not reported
Export Ind: Not reported
Discr Quantity Ind: Not reported
Discr Type Ind: Not reported
Discr Residue Ind: Not reported
Discr Partial Reject Ind: Not reported
Discr Full Reject Ind: Not reported
Manifest Ref Num: Not reported
Alt Fac RCRA Id: Not reported
Alt Fac Sign Date: Not reported
Mgmt Method Type Code: Not reported

26
SSE
1/4-1/2
0.404 mi.
2132 ft.

WONDERLAND AUTO WASH, INC
29067 PLYMOUTH RD
LIVONIA, MI 48150

LUST S105213586
N/A

Relative:
Equal

LUST:
Facility ID: 00015862
Source: STATE OF MICHIGAN
Owner Name: Wonderland Auto Wash Inc
Owner Address: 29067 Plymouth Rd
Owner City,St,Zip: Livonia, MI 48150-2338

Actual:
632 ft.

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

WONDERLAND AUTO WASH, INC (Continued)

S105213586

Owner Contact: Not reported
Owner Phone: (734) 427-5453
Country: USA
District: SE Michigan District Office
Site Name: Wonderland Car Wash
Latitude: 42.3690190000
Longitude: -83.3294000000
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-0042-93
Release Date: Jan 11 1993
Substance Released: Gasoline
Release Status: Open
Release Closed Date: Not reported

**27
NNW
1/4-1/2
0.409 mi.
2157 ft.**

**MICHIGAN DAIRY
29601 INDUSTRIAL RD
LIVONIA, MI 48150**

**TRIS 1001199897
FTTS 48150MCHGN29
LUST**

**Relative:
Higher**

FTTS INSP:
Inspection Number: 19980922FEP35 1
Region: 05
Inspection Date: 09/22/98
Inspector: LUEDERS
Violation occurred: Yes
Investigation Type: EPCRA, Enforcement, SEE Conducted
Investigation Reason: Neutral Scheme, Region
Legislation Code: EPCRA
Facility Function: Manufacturer

**Actual:
634 ft.**

Inspection Number: 19980922FEP35 2
Region: 05
Inspection Date: 09/22/98
Inspector: LUEDERS
Violation occurred: Yes
Investigation Type: EPCRA, Enforcement, SEE Conducted
Investigation Reason: Neutral Scheme, Region
Legislation Code: EPCRA
Facility Function: Manufacturer

LUST:

Facility ID: 00006306
Source: STATE OF MICHIGAN
Owner Name: The Kroger Co of Michigan
Owner Address: 40399 Grand River Ste C-150
Owner City,St,Zip: Novi, MI 48375
Owner Contact: Cherie Rushlow
Owner Phone: (248) 957-2237
Country: USA

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

MICHIGAN DAIRY (Continued)

1001199897

District: SE Michigan District Office
Site Name: Michigan Dairy - Kroger
Latitude: 42.3800450000
Longitude: -83.3341090000
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-1525-85
Release Date: Aug 16 1990
Substance Released: Not reported
Release Status: Closed
Release Closed Date: Jul 23 1991

C28
SSW
1/4-1/2
0.441 mi.
2327 ft.

MIDDLEBELT-PLYMOUTH VENTURE LLC
29501 PLYMOUTH
LIVONIA, MI 48150

Site 1 of 2 in cluster C

RCRA-NonGen
FINDS
LUST
UST

1000530746
MID985632728

Relative:
Higher

RCRA-NonGen:

Date form received by agency: 12/31/2002

Facility name: MIDDLEBELT-PLYMOUTH VENTURE LLC

Facility address: 29501 PLYMOUTH

LIVONIA, MI 48150

EPA ID: MID985632728

Mailing address: 25800 NORTHWEST HIGHWAY
SOUTHFIELD, MI 48075

Contact: WILLIAM HALL

Contact address: 29501 PLYMOUTH
LIVONIA, MI 48150

Contact country: Not reported

Contact telephone: (248) 357-6141

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: 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: 01/01/2003

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

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

MIDDLEBELT-PLYMOUTH VENTURE LLC (Continued)

1000530746

Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: 01/01/2003
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
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
Off-site waste receiver: Commercial status unknown

Universal Waste Summary:

Waste type: DEVICES CONTAINING ELEMENTAL MERCURY
Accumulated waste on-site: No
Generated waste on-site: No

Waste type: MERCURY THERMOMETERS
Accumulated waste on-site: No
Generated waste on-site: No

Waste type: MERCURY SWITCHES
Accumulated waste on-site: No
Generated waste on-site: No

Waste type: Batteries
Accumulated waste on-site: No
Generated waste on-site: No

Waste type: Lamps
Accumulated waste on-site: No
Generated waste on-site: No

Waste type: Pesticides
Accumulated waste on-site: No
Generated waste on-site: No

Waste type: Thermostats
Accumulated waste on-site: No
Generated waste on-site: No

Historical Generators:

Date form received by agency: 03/18/2002
Facility name: MIDDLEBELT-PLYMOUTH VENTURE LLC
Classification: Not a generator, verified

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

MIDDLEBELT-PLYMOUTH VENTURE LLC (Continued)

1000530746

Date form received by agency: 01/14/1992
Facility name: MIDDLEBELT-PLYMOUTH VENTURE LLC
Classification: Not a generator, verified

Violation Status: No violations found

FINDS:

Registry ID: 110003667336

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.

LUST:

Facility ID: 00001435
Source: STATE OF MICHIGAN
Owner Name: Montgomery Ward & Co Inc
Owner Address: 1 MONTGOMERY WARD PLAZA, 1300 E. Randolph St., #1300
Owner City,St,Zip: CHICAGO, IL 60680
Owner Contact: Not reported
Owner Phone: (312) 467-2000
Country: USA
District: SE Michigan District Office
Site Name: Montgomery Ward
Latitude: 42.3688990000
Longitude: -83.3349150000
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-1403-01
Release Date: Aug 2 2001
Substance Released: Gasoline,Used Oil
Release Status: Closed
Release Closed Date: Jan 5 2007

UST:

Facility ID: 00001435
Facility Type: CLOSED
Latitude: 42.3688990000
Longitude: -83.3349150000
Owner Name: Montgomery Ward & Co Inc
Owner Address: 1 MONTGOMERY WARD PLAZA, 1300 E. Randolph St., #1300
Owner City,St,Zip: CHICAGO, IL 60680
Owner Country: USA
Owner Contact: Not reported
Owner Phone: (312) 467-2000
Contact: JOE FITZPATRICK

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

MIDDLEBELT-PLYMOUTH VENTURE LLC (Continued)

1000530746

Contact Phone: (734) 427-1600
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

Tank ID: 1
Tank Status: Removed from Ground
Capacity: 10000
Install Date: Mar 3 1981
Product: Gasoline
Remove Date: Apr 14 1993
Tank Release Detection: Not reported
Pipe Release Detection: Not reported
Piping Material: Unknown
Piping Type: Not reported
Constr Material: Fiberglass Reinforced plastic,Lined Interior
Impressed Device: No

Tank ID: 3
Tank Status: Removed from Ground
Capacity: 12000
Install Date: Mar 3 1981
Product: Gasoline
Remove Date: Apr 14 1993
Tank Release Detection: Not reported
Pipe Release Detection: Not reported
Piping Material: Unknown
Piping Type: Not reported
Constr Material: Fiberglass Reinforced plastic,Lined Interior
Impressed Device: No

Tank ID: 2
Tank Status: Removed from Ground
Capacity: 6000
Install Date: Mar 3 1981
Product: Gasoline
Remove Date: Apr 14 1993
Tank Release Detection: Not reported
Pipe Release Detection: Not reported
Piping Material: Unknown
Piping Type: Not reported
Constr Material: Fiberglass Reinforced plastic,Lined Interior
Impressed Device: No

Tank ID: 4
Tank Status: Removed from Ground
Capacity: 1000
Install Date: Mar 3 1960
Product: Used Oil

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

MIDDLEBELT-PLYMOUTH VENTURE LLC (Continued)

1000530746

Remove Date: Apr 14 1993
Tank Release Detection: Not reported
Pipe Realease Detection: Not reported
Piping Material: Unknown
Piping Type: Not reported
Constr Material: Asphalt Coated or Bare Steel
Impressed Device: No

Tank ID: 6
Tank Status: Removed from Ground
Capacity: 1000
Install Date: Mar 3 1960
Product: Used Oil
Remove Date: Apr 14 1993
Tank Release Detection: Not reported
Pipe Realease Detection: Not reported
Piping Material: Unknown
Piping Type: Not reported
Constr Material: Asphalt Coated or Bare Steel
Impressed Device: No

Tank ID: 7
Tank Status: Removed from Ground
Capacity: 1000
Install Date: Mar 3 1960
Product: Used Oil
Remove Date: Apr 14 1993
Tank Release Detection: Not reported
Pipe Realease Detection: Not reported
Piping Material: Unknown
Piping Type: Not reported
Constr Material: Asphalt Coated or Bare Steel
Impressed Device: No

Tank ID: 8
Tank Status: Removed from Ground
Capacity: 1000
Install Date: Mar 3 1960
Product: Used Oil
Remove Date: Apr 14 1993
Tank Release Detection: Not reported
Pipe Realease Detection: Not reported
Piping Material: Unknown
Piping Type: Not reported
Constr Material: Asphalt Coated or Bare Steel
Impressed Device: No

Tank ID: 10
Tank Status: Removed from Ground
Capacity: 15000
Install Date: Jan 1 1959
Product: Heating Oil
Remove Date: Apr 14 1993

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

MIDDLEBELT-PLYMOUTH VENTURE LLC (Continued)

1000530746

Tank Release Detection: Not reported
Pipe Release Detection: Not reported
Piping Material: Unknown
Piping Type: Not reported
Constr Material: Unknown
Impressed Device: No

Tank ID: 5
Tank Status: Removed from Ground
Capacity: 1000
Install Date: Mar 3 1960
Product: Used Oil
Remove Date: Apr 14 1993
Tank Release Detection: Not reported
Pipe Release Detection: Not reported
Piping Material: Unknown
Piping Type: Not reported
Constr Material: Asphalt Coated or Bare Steel
Impressed Device: No

Tank ID: 9
Tank Status: Removed from Ground
Capacity: 15000
Install Date: Jan 1 1959
Product: Heating Oil
Remove Date: Apr 14 1993
Tank Release Detection: Not reported
Pipe Release Detection: Not reported
Piping Material: Unknown
Piping Type: Not reported
Constr Material: Unknown
Impressed Device: No

C29
SSW
1/4-1/2
0.441 mi.
2327 ft.

(FORMER) MONTGOMERY WARDS AND
29501 PLYMOUTH ROAD
LIVONIA, MI 48150

BEA S107466519
N/A

Site 2 of 2 in cluster C

Relative:
Higher

BEA:

Actual:
635 ft.

Secondary Address: Not reported
BEA Number: 1530
District: Southeast MI
Date Received: 10/30/2001 12:59:00 AM
Submitter Name: MIDDLEBELT PLYMOUTH VENTURE, LLC
Petition Determination: Affirmed
Petition Disclosure: 1
Category: No Hazardous Substance(s)
Determination 20107A: No Request
Reviewer: schlaufj
Division Assigned: Storage Tank Division

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

30
SW
1/2-1
0.522 mi.
2754 ft.

WONDERLAND MALL
29859 PLYMOUTH ROAD
LIVONIA, MI 48150

BEA S108084508
N/A

Relative:
Higher

BEA:

Secondary Address: Not reported
BEA Number: 3235
District: Southeast MI
Date Received: 7/24/2006 12:59:00 AM
Submitter Name: Wal-Mart Real Estate Business Trust
Petition Determination: No Request
Petition Disclosure: 0
Category: Different Hazardous Substance(s)
Determination 20107A: No Request
Reviewer: mitchelf
Division Assigned: Storage Tank Division

Actual:
634 ft.

D31
NNW
1/2-1
0.528 mi.
2786 ft.

PRICE #6/FOREST CITY
13507 MIDDLEBELT RD.
LIVONIA, MI 48150

AUL S108986929
N/A

Site 1 of 2 in cluster D

Relative:
Higher

AUL:

Status: Pending
Site Name: Not reported
Property: 13507 Middlebelt Rd., Livonia
Land Use Restriction Type: RC
Program Type: Part 213
Program Support Assigned User: Not reported
Program Support Assigned Date: Not reported
Legal Description Of Property: Not reported
District: Not reported
Based On The Deq Ref #: 11121308049
MDEQ Reference Number: RC-RRD-213-08-049
Property Or Description Restricted Area: Not reported
Lead Division: RRD
File Name Of Hyperlinked Legal Doc: Not reported
Mapped Polygon S Area In Acres: Not reported
Mapped Polygon S 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
Map Comments: Not reported
Comment: 3/19/08, QC requested reference number.
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

Actual:
635 ft.

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

PRICE #6/FOREST CITY (Continued)

S108986929

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

D32
NNW
1/2-1
0.528 mi.
2786 ft.

PRICE GAS #6 (EXPRESS FUELING)
13507 MIDDLEBELT RD
LIVONIA, MI 48150
Site 2 of 2 in cluster D

LUST **U003323231**
UST **N/A**

Relative:
Higher

Actual:
635 ft.

LUST:

Facility ID: 00015080
Source: STATE OF MICHIGAN
Owner Name: Forest City Management Inc
Owner Address: 700 TERMINAL TOWER 50 PUBLIC SQUARE
Owner City,St,Zip: CLEVELAND, OH 44130
Owner Contact: Not reported
Owner Phone: (216) 416-3276
Country: USA
District: SE Michigan District Office
Site Name: Price #6 / Forest City
Latitude: 42.3809380000
Longitude: -83.3337590000
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-1082-98
Release Date: Nov 2 1998
Substance Released: Unknown
Release Status: Open
Release Closed Date: Not reported

UST:

Facility ID: 00015080
Facility Type: CLOSED
Latitude: 42.3809380000
Longitude: -83.3337590000
Owner Name: Forest City Management Inc
Owner Address: 700 TERMINAL TOWER 50 PUBLIC SQUARE
Owner City,St,Zip: CLEVELAND, OH 44130
Owner Country: USA
Owner Contact: Not reported
Owner Phone: (216) 416-3276
Contact: DONNA ANDERSON
Contact Phone: (216) 416-3276
Date of Collection: 01-11-2001
Accuracy: 100

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

PRICE GAS #6 (EXPRESS FUELING) (Continued)

U003323231

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

Tank ID: 2
Tank Status: Removed from Ground
Capacity: 12000
Install Date: Dec 1 1960
Product: Gasoline
Remove Date: May 13 1999
Tank Release Detection: Not reported
Pipe Realease Detection: Not reported
Piping Material: Galvanized Steel
Piping Type: Not reported
Constr Material: Asphalt Coated or Bare Steel
Impressed Device: No

Tank ID: 1
Tank Status: Removed from Ground
Capacity: 12000
Install Date: Dec 1 1960
Product: Gasoline
Remove Date: May 13 1999
Tank Release Detection: Not reported
Pipe Realease Detection: Not reported
Piping Material: Galvanized Steel
Piping Type: Not reported
Constr Material: Asphalt Coated or Bare Steel
Impressed Device: No

Tank ID: 3
Tank Status: Removed from Ground
Capacity: 12000
Install Date: Dec 1 1960
Product: Diesel
Remove Date: May 13 1999
Tank Release Detection: Not reported
Pipe Realease Detection: Not reported
Piping Material: Galvanized Steel
Piping Type: Not reported
Constr Material: Asphalt Coated or Bare Steel
Impressed Device: No

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

33
SE
1/2-1
0.560 mi.
2955 ft.

SPEEDY MUFFLER KING
28411 PLYMOUTH RD
LIVONIA, MI 48150

LUST **U003320493**
UST **N/A**

Relative:
Lower

LUST:

Facility ID: 00005202
Source: STATE OF MICHIGAN
Owner Name: Speedy Muffler King
Owner Address: 28411 Plymouth Rd
Owner City,St,Zip: Livonia, MI 48150-2327
Owner Contact: Not reported
Owner Phone: (734) 525-5916
Country: USA
District: SE Michigan District Office
Site Name: Speedy Muffler King(former Shell)
Latitude: 42.3691400000
Longitude: -83.3236010000
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-0093-01
Release Date: May 27 1997
Substance Released: Gasoline
Release Status: Open
Release Closed Date: Not reported

UST:

Facility ID: 00005202
Facility Type: CLOSED
Latitude: 42.3691400000
Longitude: -83.3236010000
Owner Name: Speedy Muffler King
Owner Address: 28411 Plymouth Rd
Owner City,St,Zip: Livonia, MI 48150-2327
Owner Country: USA
Owner Contact: Not reported
Owner Phone: (734) 525-5916
Contact: SCOTT POOL
Contact Phone: (734) 981-8312
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

Tank ID: 1
Tank Status: Removed from Ground
Capacity: Not reported
Install Date: Not reported
Product: Gasoline

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

SPEEDY MUFFLER KING (Continued)

U003320493

Remove Date: Jan 16 1987
Tank Release Detection: Not reported
Pipe Realease Detection: Not reported
Piping Material: Cathodically Protected
Piping Type: Not reported
Constr Material: Asphalt Coated or Bare Steel
Impressed Device: No

Tank ID: 3
Tank Status: Removed from Ground
Capacity: Not reported
Install Date: Not reported
Product: Gasoline
Remove Date: Jan 16 1987
Tank Release Detection: Not reported
Pipe Realease Detection: Not reported
Piping Material: Fiberglass reinforced plastic
Piping Type: Not reported
Constr Material: Asphalt Coated or Bare Steel
Impressed Device: No

Tank ID: 4
Tank Status: Removed from Ground
Capacity: Not reported
Install Date: Not reported
Product: Gasoline
Remove Date: Jan 16 1987
Tank Release Detection: Not reported
Pipe Realease Detection: Not reported
Piping Material: Fiberglass reinforced plastic
Piping Type: Not reported
Constr Material: Fiberglass Reinforced plastic
Impressed Device: No

Tank ID: 2
Tank Status: Removed from Ground
Capacity: Not reported
Install Date: Not reported
Product: Gasoline
Remove Date: Jan 16 1987
Tank Release Detection: Not reported
Pipe Realease Detection: Not reported
Piping Material: Cathodically Protected
Piping Type: Not reported
Constr Material: Asphalt Coated or Bare Steel
Impressed Device: No

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

E34
SE
1/2-1
0.577 mi.
3045 ft.
ASHLEY LIVONIA A & P LLC
28400 PLYMOUTH RD
LIVONIA, MI 48150
Site 1 of 2 in cluster E

LUST
UST
U003330153
N/A

Relative:
Lower

LUST:

Facility ID: 00019080
Source: STATE OF MICHIGAN
Owner Name: Ashley Livonia A & P LLC
Owner Address: 36663 Van Born Rd Suite 100
Owner City,St,Zip: Romulus, MI 48174-4051
Owner Contact: Not reported
Owner Phone: (734) 721-4400
Country: USA
District: SE Michigan District Office
Site Name: Peregrine, Inc. - GMC
Latitude: 42.3694140000
Longitude: -83.3235480000
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-0609-97
Release Date: Jul 21 1997
Substance Released: Unknown
Release Status: Closed
Release Closed Date: Nov 5 1997

Leak Number: C-0680-98
Release Date: Dec 12 1989
Substance Released: Unknown
Release Status: Closed
Release Closed Date: Sep 30 1998

UST:

Facility ID: 00019080
Facility Type: CLOSED
Latitude: 42.3694140000
Longitude: -83.3235480000
Owner Name: Ashley Livonia A & P LLC
Owner Address: 36663 Van Born Rd Suite 100
Owner City,St,Zip: Romulus, MI 48174-4051
Owner Country: USA
Owner Contact: Not reported
Owner Phone: (734) 721-4400
Contact: DAVID ZALESKI
Contact Phone: (734) 721-4400
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

ASHLEY LIVONIA A & P LLC (Continued)

U003330153

Tank ID: 3
Tank Status: **Removed from Ground**
Capacity: 25000
Install Date: May 5 1974
Product: #2 FUEL OIL
Remove Date: Aug 2 1990
Tank Release Detection: Not reported
Pipe Realease Detection: Not reported
Piping Material: Unknown
Piping Type: Not reported
Constr Material: Asphalt Coated or Bare Steel
Impressed Device: No

Tank ID: 4
Tank Status: **Removed from Ground**
Capacity: 560
Install Date: May 5 1974
Product: Used Oil
Remove Date: Aug 2 1990
Tank Release Detection: Not reported
Pipe Realease Detection: Not reported
Piping Material: Unknown
Piping Type: Not reported
Constr Material: Asphalt Coated or Bare Steel
Impressed Device: No

Tank ID: 5
Tank Status: **Removed from Ground**
Capacity: 3000
Install Date: May 5 1966
Product: WATER
Remove Date: Aug 2 1990
Tank Release Detection: Not reported
Pipe Realease Detection: Not reported
Piping Material: Unknown
Piping Type: Not reported
Constr Material: Asphalt Coated or Bare Steel
Impressed Device: No

Tank ID: SA-03
Tank Status: **NON-Registered Tank**
Capacity: Not reported
Install Date: Not reported
Product: Not reported
Remove Date: Not reported
Tank Release Detection: Not reported
Pipe Realease Detection: Not reported
Piping Material: Not reported
Piping Type: Not reported
Constr Material: Not reported
Impressed Device: No

Tank ID: 2

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

ASHLEY LIVONIA A & P LLC (Continued)

U003330153

Tank Status: Removed from Ground
Capacity: 2500
Install Date: May 5 1972
Product: Gasoline
Remove Date: Aug 2 1990
Tank Release Detection: Not reported
Pipe Realease Detection: Not reported
Piping Material: Unknown
Piping Type: Not reported
Constr Material: Asphalt Coated or Bare Steel
Impressed Device: No

Tank ID: 1(T-2)
Tank Status: Removed from Ground
Capacity: 8000
Install Date: Not reported
Product: UNK
Remove Date: Jan 27 2001
Tank Release Detection: Not reported
Pipe Realease Detection: Not reported
Piping Material: Bare Steel
Piping Type: Suction: No Valve At Tank
Constr Material: Asphalt Coated or Bare Steel
Impressed Device: No

Tank ID: 7
Tank Status: Removed from Ground
Capacity: 1000
Install Date: Not reported
Product: Used Oil
Remove Date: May 1 1997
Tank Release Detection: Not reported
Pipe Realease Detection: Not reported
Piping Material: Unknown
Piping Type: Gravity Fed?
Constr Material: Unknown
Impressed Device: No

Tank ID: 1(T-1)
Tank Status: Removed from Ground
Capacity: 5000
Install Date: Not reported
Product: UNK
Remove Date: Jan 27 2001
Tank Release Detection: Not reported
Pipe Realease Detection: Not reported
Piping Material: Bare Steel
Piping Type: Suction: No Valve At Tank
Constr Material: Asphalt Coated or Bare Steel
Impressed Device: No

Tank ID: 1
Tank Status: Removed from Ground

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

ASHLEY LIVONIA A & P LLC (Continued)

U003330153

Capacity: 1000
Install Date: May 5 1956
Product: Gasoline
Remove Date: Aug 2 1990
Tank Release Detection: Not reported
Pipe Release Detection: Not reported
Piping Material: Unknown
Piping Type: Not reported
Constr Material: Asphalt Coated or Bare Steel
Impressed Device: No

Tank ID: 6
Tank Status: Removed from Ground
Capacity: 1500
Install Date: May 5 1966
Product: WATER
Remove Date: Aug 2 1990
Tank Release Detection: Not reported
Pipe Release Detection: Not reported
Piping Material: Unknown
Piping Type: Not reported
Constr Material: Asphalt Coated or Bare Steel
Impressed Device: No

**E35
SE
1/2-1
0.577 mi.
3045 ft.**

**ASHLEY LIVONIA SOUTH LLC
28400 PLYMOUTH ROAD
LIVONIA, MI 48150**

Site 2 of 2 in cluster E

**CERC-NFRAP
RCRA-CESQG
PADS
FINDS
MANIFEST**

**1000114182
MID076331271**

**Relative:
Lower**

CERC-NFRAP:
Site ID: 0506113
Federal Facility: Not a Federal Facility
NPL Status: Not on the NPL
Non NPL Status: NFRAP

**Actual:
631 ft.**

CERCLIS-NFRAP Site Contact Name(s):

Contact Title: RESPONSIBLE PARTY INVESTIGATOR
Contact Name: JANET PFUNDHELLER
Contact Tel: (312) 353-5821

CERCLIS-NFRAP Site Alias Name(s):

Alias Name: G.M.C. INDLAND LOVONIA PLANT
Alias Address: Not reported
WAYNE, MI

Program Priority:

Description: Great Lakes

CERCLIS-NFRAP Assessment History:

Action: DISCOVERY
Date Started: Not reported
Date Completed: 01/11/1989
Priority Level: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

ASHLEY LIVONIA SOUTH LLC (Continued)

1000114182

Action: PRELIMINARY ASSESSMENT
Date Started: Not reported
Date Completed: 10/24/1991
Priority Level: NFRAP: No further Remedial Action planned

Action: ARCHIVE SITE
Date Started: Not reported
Date Completed: 09/15/1999
Priority Level: Not reported

RCRA-CESQG:

Date form received by agency: 03/13/2001
Facility name: ASHLEY LIVONIA SOUTH LLC
Facility address: 28400 PLYMOUTH RD
LIVONIA, MI 48150
EPA ID: MID076331271
Mailing address: 36663 VAN BORN ROAD
ROMULUS, MI 48174
Contact: A VEGAS
Contact address: 28400 PLYMOUTH RD
LIVONIA, MI 48150
Contact country: Not reported
Contact telephone: (734) 266-0579
Contact email: Not reported
EPA Region: 05
Land type: Private
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: ASHLEY LIVONIA SOUTH 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: 02/26/2001
Owner/Op end date: Not reported
Owner/operator name: GMC FISHER BODY DIV- LIVONIA PLANT
Owner/operator address: Not reported
Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

ASHLEY LIVONIA SOUTH LLC (Continued)

1000114182

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
Used oil transfer facility: No
Used oil transporter: No
Off-site waste receiver: Commercial status unknown

Universal Waste Summary:

Waste type: DEVICES CONTAINING ELEMENTAL MERCURY
Accumulated waste on-site: No
Generated waste on-site: No

Waste type: MERCURY THERMOMETERS
Accumulated waste on-site: No
Generated waste on-site: No

Waste type: MERCURY SWITCHES
Accumulated waste on-site: No
Generated waste on-site: No

Waste type: Batteries
Accumulated waste on-site: No
Generated waste on-site: No

Waste type: Lamps
Accumulated waste on-site: No
Generated waste on-site: No

Waste type: Pesticides
Accumulated waste on-site: No
Generated waste on-site: No

Waste type: Thermostats
Accumulated waste on-site: No
Generated waste on-site: No

Historical Generators:

Date form received by agency: 10/02/2000

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

ASHLEY LIVONIA SOUTH LLC (Continued)

1000114182

Facility name: ASHLEY LIVONIA SOUTH LLC
Classification: Conditionally Exempt Small Quantity Generator

Date form received by agency: 07/20/1998
Facility name: ASHLEY LIVONIA SOUTH LLC
Classification: Conditionally Exempt Small Quantity Generator

Date form received by agency: 03/05/1996
Facility name: ASHLEY LIVONIA SOUTH LLC
Site name: DELPHI INTERIOR & LIGHTING SYSTEMS - GM
Classification: Large Quantity Generator

Date form received by agency: 02/21/1994
Facility name: ASHLEY LIVONIA SOUTH LLC
Site name: GMC, INLAND FISHER GUIDE
Classification: Large Quantity Generator

Date form received by agency: 02/09/1990
Facility name: ASHLEY LIVONIA SOUTH LLC
Site name: GMC INLAND FISHER GUIDE DIV
Classification: Large Quantity Generator

Date form received by agency: 11/19/1980
Facility name: ASHLEY LIVONIA SOUTH LLC
Classification: Conditionally Exempt Small Quantity Generator

Date form received by agency: 08/11/1980
Facility name: ASHLEY LIVONIA SOUTH LLC
Classification: Conditionally Exempt Small Quantity Generator

Facility Has Received Notices of Violations:

Regulation violated: Not reported
Area of violation: Not reported
Date violation determined: Not reported
Date achieved compliance: Not reported
Violation lead agency: Not reported
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: Generators - General
Date violation determined: 11/30/1989
Date achieved compliance: 01/11/1990
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 12/14/1989
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

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

ASHLEY LIVONIA SOUTH LLC (Continued)

1000114182

Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: LDR - General
Date violation determined: 03/16/1988
Date achieved compliance: 04/28/1988
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 03/23/1988
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

Evaluation Action Summary:

Evaluation date: 11/30/1989
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 11/30/1989
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Generators - General
Date achieved compliance: 01/11/1990
Evaluation lead agency: State Contractor/Grantee

Evaluation date: 03/16/1988
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: LDR - General
Date achieved compliance: 04/28/1988
Evaluation lead agency: State

FINDS:

Registry ID: 110009598328

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.

NY MANIFEST:

EPA ID: MID076331271
Country: USA
Mailing Name: ASHLEY LIVONIA A&P LLC
Mailing Contact: DAVID J ZALESKI
Mailing Address: 28400 PLYMOUTH RD
Mailing Address 2: Not reported
Mailing City: LIVONIA
Mailing State: MI

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

ASHLEY LIVONIA SOUTH LLC (Continued)

1000114182

Mailing Zip: 48150
Mailing Zip4: 2366
Mailing Country: USA
Mailing Phone: 734-721-4400

Document ID: NYB9523737
Manifest Status: Not reported
Trans1 State ID: MID072790710
Trans2 State ID: Not reported
Generator Ship Date: 03/12/2001
Trans1 Recv Date: 03/12/2001
Trans2 Recv Date: Not reported
TSD Site Recv Date: 03/14/2001
Part A Recv Date: Not reported
Part B Recv Date: Not reported
Generator EPA ID: MID076331271
Trans1 EPA ID: NYD049836679
Trans2 EPA ID: Not reported
TSD ID: 594806MI
Waste Code: B002 - PETROLEUM OIL WITH 50 BUT < 500 PPM PCB
Quantity: 01814
Units: K - Kilograms (2.2 pounds)
Number of Containers: 008
Container Type: DM - Metal drums, barrels
Handling Method: B Incineration, heat recovery, burning.
Specific Gravity: 01.00
Year: 01
Manifest Tracking Num: Not reported
Import Ind: Not reported
Export Ind: Not reported
Discr Quantity Ind: Not reported
Discr Type Ind: Not reported
Discr Residue Ind: Not reported
Discr Partial Reject Ind: Not reported
Discr Full Reject Ind: Not reported
Manifest Ref Num: Not reported
Alt Fac RCRA Id: Not reported
Alt Fac Sign Date: Not reported
Mgmt Method Type Code: Not reported

36
ESE
> 1
1.035 mi.
5467 ft.

**REDFORD ONE HOUR CLEANERS
27312 PLYMOUTH ROAD
REDFORD, MI**

**SHWS S108959570
N/A**

**Relative:
Lower**

SHWS:
Facility ID: 82001781
Facility Status: No status assigned
Source: Personal Services
SAM Score: 24 out o
SAM Score Date: 2/19/2004
Township: null
Range: null
Section: null
Quarter: null
Quarter/Quarter: null

**Actual:
630 ft.**

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

REDFORD ONE HOUR CLEANERS (Continued)

S108959570

Pollutants: null

F37
West
> 1
1.101 mi.
5816 ft.

ACCURATE MACHINE SERVICES
12360 MERRIMAN RD
LIVONIA, MI 48150

SHWS S103594605
N/A

Site 1 of 2 in cluster F

Relative:
Higher

SHWS:

Facility ID: 82001493

Facility Status: Inactive - no actions taken to address contamination

Actual:
640 ft.

Source: Miscellaneous Metal Work

SAM Score: 21 out o

SAM Score Date: 3/26/2004

Township: 01S

Range: 09E

Section: 26

Quarter: SW

Quarter/Quarter: NW

Pollutants: Cd; Cu; Pb; Ni

F38
West
> 1
1.106 mi.
5837 ft.

MUNOZ MACHINE SHOP LIVONIA
12375 MERRIMAN RD
LIVONIA, MI 48151

SHWS S103085299
N/A

Site 2 of 2 in cluster F

Relative:
Higher

SHWS:

Facility ID: 82000070

Facility Status: Interim Response in progress

Actual:
639 ft.

Source: Miscellaneous Metal Work

SAM Score: 23 out o

SAM Score Date: 3/9/2004

Township: 01S

Range: 09E

Section: 27

Quarter: SE

Quarter/Quarter: NE

Pollutants: Oil & grease

ORPHAN SUMMARY

City	EDR ID	Site Name	Site Address	Zip	Database(s)
LIVONIA	S109345355	MOBIL SERVICE STATION #05GE4	31301ST PLYMOUTH & MERRIMAN	48150	LUST
LIVONIA	S109026473	NUCON CORPORATION	34100 AND 34150 INDUSTRIAL RD	48150	NPDES
LIVONIA	S108959550	MCLAREN PERFORMANCE TECHNOLOGIES	32233 EIGHT MILE RD		SHWS
LIVONIA	S106167951	LIVONIA BP GAS & MART INC	27430 FIVE MILE RD	48154	LUST
LIVONIA	S100070335	LIVONIA REFUSE DISPOSAL AREA	GLENDALE ST	48154	HIST LF
LIVONIA	U004082530	LASCO PROPERTIES	35585 INDUSTRIAL RD	48150	LUST, UST
LIVONIA	S103594580	INKSTER & SCHOOLCRAFT RD CONTAM	INKSTER SOUTH OF SCHOOLCRAFT		SHWS
LIVONIA	1009518057	MEIJERS 188	1300 MIDDLEBELT RD	48150	FTTS, HIST FTTS
LIVONIA	S109258072	JIM PIETRAZ/LIVONIA FIRE DEPT.	8 MILE RD		SPILLS
LIVONIA	S104912262	ASHLEY LIVONIA NORTH, LLC	PARCEL D		BEA
LIVONIA	S109258229	LIVONIA FORD MOTOR COMPANY	TRANSMISSION PLANT		SPILLS
LIVONIA	S104912531	LIVONIA RECYCLING CENTER &	VACANT PROPERTY S OF GLENDALE		BEA
LIVONIA	S107792957	LIVONIA MS4-WAYNE	VARIOUS LOCATIONS FROM THE STO	48154	NPDES
LIVONIA	1012107191	WOODHAVEN OF LIVONIA	29667 WENTWORTH	48154	FINDS

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: 10/01/2009	Source: EPA
Date Data Arrived at EDR: 10/14/2009	Telephone: N/A
Date Made Active in Reports: 11/09/2009	Last EDR Contact: 11/13/2009
Number of Days to Update: 26	Next Scheduled EDR Contact: 01/25/2010
	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: 10/01/2009	Source: EPA
Date Data Arrived at EDR: 10/14/2009	Telephone: N/A
Date Made Active in Reports: 11/09/2009	Last EDR Contact: 11/13/2009
Number of Days to Update: 26	Next Scheduled EDR Contact: 01/25/2010
	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: 08/17/2009
Number of Days to Update: 56	Next Scheduled EDR Contact: 11/16/2009
	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: 10/01/2009	Source: EPA
Date Data Arrived at EDR: 10/14/2009	Telephone: N/A
Date Made Active in Reports: 11/09/2009	Last EDR Contact: 11/13/2009
Number of Days to Update: 26	Next Scheduled EDR Contact: 01/25/2010
	Data Release Frequency: Quarterly

Federal CERCLIS list

CERCLIS: Comprehensive Environmental Response, Compensation, and Liability Information System

CERCLIS 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). CERCLIS contains sites which are either proposed to or on the National Priorities List (NPL) and sites which are in the screening and assessment phase for possible inclusion on the NPL.

Date of Government Version: 06/30/2009	Source: EPA
Date Data Arrived at EDR: 08/11/2009	Telephone: 703-412-9810
Date Made Active in Reports: 09/21/2009	Last EDR Contact: 12/28/2009
Number of Days to Update: 41	Next Scheduled EDR Contact: 04/12/2010
	Data Release Frequency: Quarterly

FEDERAL FACILITY: Federal Facility Site Information listing

A listing of NPL and Base Realignment & Closure sites found in the CERCLIS database where FERRO is involved in cleanup projects.

Date of Government Version: 10/03/2008	Source: Environmental Protection Agency
Date Data Arrived at EDR: 07/10/2009	Telephone: 703-603-8704
Date Made Active in Reports: 09/29/2009	Last EDR Contact: 10/16/2009
Number of Days to Update: 81	Next Scheduled EDR Contact: 01/25/2010
	Data Release Frequency: Varies

Federal CERCLIS NFRAP site List

CERCLIS-NFRAP: CERCLIS No Further Remedial Action Planned

Archived sites are sites that have been removed and archived from the inventory of CERCLIS 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 this 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. This 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 a potential NPL site.

Date of Government Version: 06/23/2009	Source: EPA
Date Data Arrived at EDR: 09/02/2009	Telephone: 703-412-9810
Date Made Active in Reports: 09/21/2009	Last EDR Contact: 11/24/2009
Number of Days to Update: 19	Next Scheduled EDR Contact: 03/15/2010
	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: 09/15/2009	Source: EPA
Date Data Arrived at EDR: 09/22/2009	Telephone: 800-424-9346
Date Made Active in Reports: 11/09/2009	Last EDR Contact: 11/16/2009
Number of Days to Update: 48	Next Scheduled EDR Contact: 03/01/2010
	Data Release Frequency: Quarterly

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Federal RCRA non-CORRACTS TSD facilities list

RCRA-TSDF: RCRA - Transporters, 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: 11/12/2008	Source: Environmental Protection Agency
Date Data Arrived at EDR: 11/18/2008	Telephone: 312-886-6186
Date Made Active in Reports: 03/16/2009	Last EDR Contact: 12/17/2009
Number of Days to Update: 118	Next Scheduled EDR Contact: 01/18/2010
	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: 11/12/2008	Source: Environmental Protection Agency
Date Data Arrived at EDR: 11/18/2008	Telephone: 312-886-6186
Date Made Active in Reports: 03/16/2009	Last EDR Contact: 12/17/2009
Number of Days to Update: 118	Next Scheduled EDR Contact: 01/18/2010
	Data Release Frequency: Quarterly

RCRA-SQG: RCRA - Small Quantity Generators

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

Date of Government Version: 11/12/2008	Source: Environmental Protection Agency
Date Data Arrived at EDR: 11/18/2008	Telephone: 312-886-6186
Date Made Active in Reports: 03/16/2009	Last EDR Contact: 12/17/2009
Number of Days to Update: 118	Next Scheduled EDR Contact: 01/18/2010
	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: 11/12/2008	Source: Environmental Protection Agency
Date Data Arrived at EDR: 11/18/2008	Telephone: 312-886-6186
Date Made Active in Reports: 03/16/2009	Last EDR Contact: 12/17/2009
Number of Days to Update: 118	Next Scheduled EDR Contact: 01/18/2010
	Data Release Frequency: Varies

Federal institutional controls / engineering controls registries

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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: 10/01/2009	Source: Environmental Protection Agency
Date Data Arrived at EDR: 10/09/2009	Telephone: 703-603-0695
Date Made Active in Reports: 11/09/2009	Last EDR Contact: 12/10/2009
Number of Days to Update: 31	Next Scheduled EDR Contact: 03/29/2010
	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: 10/01/2009	Source: Environmental Protection Agency
Date Data Arrived at EDR: 10/09/2009	Telephone: 703-603-0695
Date Made Active in Reports: 11/09/2009	Last EDR Contact: 12/10/2009
Number of Days to Update: 31	Next Scheduled EDR Contact: 03/29/2010
	Data Release Frequency: Varies

Federal ERNS list

ERNS: Emergency Response Notification System

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

Date of Government Version: 08/31/2009	Source: National Response Center, United States Coast Guard
Date Data Arrived at EDR: 09/17/2009	Telephone: 202-267-2180
Date Made Active in Reports: 11/09/2009	Last EDR Contact: 10/06/2009
Number of Days to Update: 53	Next Scheduled EDR Contact: 01/18/2010
	Data Release Frequency: Annually

State- and tribal - equivalent CERCLIS

SHWS: Contaminated Sites

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

Date of Government Version: 10/28/2009	Source: Department of Environmental Quality
Date Data Arrived at EDR: 11/03/2009	Telephone: 517-373-9541
Date Made Active in Reports: 11/17/2009	Last EDR Contact: 11/03/2009
Number of Days to Update: 14	Next Scheduled EDR Contact: 02/15/2010
	Data Release Frequency: Semi-Annually

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: 10/06/2009	Source: Department of Environmental Quality
Date Data Arrived at EDR: 10/08/2009	Telephone: 517-335-4035
Date Made Active in Reports: 11/17/2009	Last EDR Contact: 01/05/2010
Number of Days to Update: 40	Next Scheduled EDR Contact: 04/19/2010
	Data Release Frequency: Semi-Annually

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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: 11/23/2009	Source: Department of Environmental Quality
Date Data Arrived at EDR: 11/24/2009	Telephone: 517-373-9837
Date Made Active in Reports: 12/31/2009	Last EDR Contact: 11/24/2009
Number of Days to Update: 37	Next Scheduled EDR Contact: 03/08/2010
	Data Release Frequency: Annually

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: 12/01/2009	Source: EPA Region 8
Date Data Arrived at EDR: 12/01/2009	Telephone: 303-312-6271
Date Made Active in Reports: 12/16/2009	Last EDR Contact: 10/30/2009
Number of Days to Update: 15	Next Scheduled EDR Contact: 02/15/2010
	Data Release Frequency: Quarterly

INDIAN LUST R7: Leaking Underground Storage Tanks on Indian Land

LUSTs on Indian land in Iowa, Kansas, and Nebraska

Date of Government Version: 03/24/2009	Source: EPA Region 7
Date Data Arrived at EDR: 05/20/2009	Telephone: 913-551-7003
Date Made Active in Reports: 06/17/2009	Last EDR Contact: 11/04/2009
Number of Days to Update: 28	Next Scheduled EDR Contact: 02/15/2010
	Data Release Frequency: Varies

INDIAN LUST R6: Leaking Underground Storage Tanks on Indian Land

LUSTs on Indian land in New Mexico and Oklahoma.

Date of Government Version: 11/12/2009	Source: EPA Region 6
Date Data Arrived at EDR: 11/12/2009	Telephone: 214-665-6597
Date Made Active in Reports: 12/16/2009	Last EDR Contact: 10/30/2009
Number of Days to Update: 34	Next Scheduled EDR Contact: 02/15/2010
	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: 02/19/2009	Source: EPA Region 1
Date Data Arrived at EDR: 02/19/2009	Telephone: 617-918-1313
Date Made Active in Reports: 03/16/2009	Last EDR Contact: 10/30/2009
Number of Days to Update: 25	Next Scheduled EDR Contact: 02/15/2010
	Data Release Frequency: Varies

INDIAN LUST R10: Leaking Underground Storage Tanks on Indian Land

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

Date of Government Version: 11/10/2009	Source: EPA Region 10
Date Data Arrived at EDR: 11/12/2009	Telephone: 206-553-2857
Date Made Active in Reports: 12/16/2009	Last EDR Contact: 10/30/2009
Number of Days to Update: 34	Next Scheduled EDR Contact: 02/15/2010
	Data Release Frequency: Quarterly

INDIAN LUST R9: Leaking Underground Storage Tanks on Indian Land

LUSTs on Indian land in Arizona, California, New Mexico and Nevada

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 11/24/2009
Date Data Arrived at EDR: 11/25/2009
Date Made Active in Reports: 12/16/2009
Number of Days to Update: 21

Source: Environmental Protection Agency
Telephone: 415-972-3372
Last EDR Contact: 10/30/2009
Next Scheduled EDR Contact: 02/15/2010
Data Release Frequency: Quarterly

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

Date of Government Version: 12/07/2009
Date Data Arrived at EDR: 12/09/2009
Date Made Active in Reports: 12/16/2009
Number of Days to Update: 7

Source: EPA Region 4
Telephone: 404-562-8677
Last EDR Contact: 10/30/2009
Next Scheduled EDR Contact: 02/15/2010
Data Release Frequency: Semi-Annually

State and tribal registered storage tank lists

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: 11/23/2009
Date Data Arrived at EDR: 11/24/2009
Date Made Active in Reports: 12/28/2009
Number of Days to Update: 34

Source: Department of Environmental Quality
Telephone: 517-335-4035
Last EDR Contact: 11/24/2009
Next Scheduled EDR Contact: 03/08/2010
Data Release Frequency: Annually

AST: Aboveground Tanks

Registered Aboveground Storage Tanks.

Date of Government Version: 11/30/2009
Date Data Arrived at EDR: 12/08/2009
Date Made Active in Reports: 12/30/2009
Number of Days to Update: 22

Source: Department of Environmental Quality
Telephone: 517-373-8168
Last EDR Contact: 11/23/2009
Next Scheduled EDR Contact: 03/08/2010
Data Release Frequency: No Update Planned

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: 11/05/2009
Date Data Arrived at EDR: 11/05/2009
Date Made Active in Reports: 12/16/2009
Number of Days to Update: 41

Source: EPA Region 5
Telephone: 312-886-6136
Last EDR Contact: 10/22/2009
Next Scheduled EDR Contact: 11/16/2009
Data Release Frequency: Varies

INDIAN UST R1: Underground Storage Tanks on Indian Land

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

Date of Government Version: 02/19/2009
Date Data Arrived at EDR: 02/19/2009
Date Made Active in Reports: 03/16/2009
Number of Days to Update: 25

Source: EPA, Region 1
Telephone: 617-918-1313
Last EDR Contact: 10/30/2009
Next Scheduled EDR Contact: 02/15/2010
Data Release Frequency: Varies

INDIAN UST R10: Underground Storage Tanks on Indian Land

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

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 11/10/2009
Date Data Arrived at EDR: 11/12/2009
Date Made Active in Reports: 12/16/2009
Number of Days to Update: 34

Source: EPA Region 10
Telephone: 206-553-2857
Last EDR Contact: 10/30/2009
Next Scheduled EDR Contact: 02/15/2010
Data Release Frequency: Quarterly

INDIAN UST R7: Underground Storage Tanks on Indian Land

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

Date of Government Version: 04/01/2008
Date Data Arrived at EDR: 12/30/2008
Date Made Active in Reports: 03/16/2009
Number of Days to Update: 76

Source: EPA Region 7
Telephone: 913-551-7003
Last EDR Contact: 11/04/2009
Next Scheduled EDR Contact: 02/15/2010
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: 12/01/2009
Date Data Arrived at EDR: 12/01/2009
Date Made Active in Reports: 12/16/2009
Number of Days to Update: 15

Source: EPA Region 8
Telephone: 303-312-6137
Last EDR Contact: 10/30/2009
Next Scheduled EDR Contact: 02/15/2010
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: 11/12/2009
Date Data Arrived at EDR: 11/20/2009
Date Made Active in Reports: 12/16/2009
Number of Days to Update: 26

Source: EPA Region 9
Telephone: 415-972-3368
Last EDR Contact: 10/30/2009
Next Scheduled EDR Contact: 02/15/2010
Data Release Frequency: Quarterly

INDIAN UST R6: Underground Storage Tanks on Indian Land

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

Date of Government Version: 11/12/2009
Date Data Arrived at EDR: 11/12/2009
Date Made Active in Reports: 12/16/2009
Number of Days to Update: 34

Source: EPA Region 6
Telephone: 214-665-7591
Last EDR Contact: 10/30/2009
Next Scheduled EDR Contact: 02/15/2010
Data Release Frequency: Semi-Annually

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: 12/07/2009
Date Data Arrived at EDR: 12/09/2009
Date Made Active in Reports: 12/16/2009
Number of Days to Update: 7

Source: EPA Region 4
Telephone: 404-562-9424
Last EDR Contact: 10/30/2009
Next Scheduled EDR Contact: 02/15/2010
Data Release Frequency: Semi-Annually

FEMA UST: Underground Storage Tank Listing

A listing of all FEMA owned underground storage tanks.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 10/01/2009
Date Data Arrived at EDR: 10/29/2009
Date Made Active in Reports: 12/16/2009
Number of Days to Update: 48

Source: FEMA
Telephone: 202-646-5797
Last EDR Contact: 10/19/2009
Next Scheduled EDR Contact: 02/01/2010
Data Release Frequency: Varies

State and tribal institutional control / engineering control registries

AUL: Engineering and Institutional Controls

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

Date of Government Version: 09/21/2009
Date Data Arrived at EDR: 09/21/2009
Date Made Active in Reports: 10/05/2009
Number of Days to Update: 14

Source: Department of Environmental Quality
Telephone: 517-373-4828
Last EDR Contact: 12/07/2009
Next Scheduled EDR Contact: 03/22/2010
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: 04/02/2008
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 1
Telephone: 617-918-1102
Last EDR Contact: 01/05/2010
Next Scheduled EDR Contact: 04/19/2010
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: 12/02/2009
Date Data Arrived at EDR: 12/02/2009
Date Made Active in Reports: 12/31/2009
Number of Days to Update: 29

Source: Department of Environmental Quality
Telephone: 517-373-4805
Last EDR Contact: 11/30/2009
Next Scheduled EDR Contact: 02/15/2010
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: 12/07/2009
Next Scheduled EDR Contact: 03/22/2010
Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

ADDITIONAL ENVIRONMENTAL RECORDS

Local Brownfield lists

US BROWNFIELDS: A Listing of Brownfields Sites

Included in the listing are brownfields properties addresses by Cooperative Agreement Recipients and brownfields properties addressed by Targeted Brownfields Assessments. Targeted Brownfields Assessments-EPA's Targeted Brownfields Assessments (TBA) program is designed to help states, tribes, and municipalities--especially those without EPA Brownfields Assessment Demonstration Pilots--minimize the uncertainties of contamination often associated with brownfields. Under the TBA program, EPA provides funding and/or technical assistance for environmental assessments at brownfields sites throughout the country. Targeted Brownfields Assessments supplement and work with other efforts under EPA's Brownfields Initiative to promote cleanup and redevelopment of brownfields. Cooperative Agreement Recipients-States, political subdivisions, territories, and Indian tribes become Brownfields Cleanup Revolving Loan Fund (BCRLF) cooperative agreement recipients when they enter into BCRLF cooperative agreements with the U.S. EPA. EPA selects BCRLF cooperative agreement recipients based on a proposal and application process. BCRLF cooperative agreement recipients must use EPA funds provided through BCRLF cooperative agreement for specified brownfields-related cleanup activities.

Date of Government Version: 10/01/2009	Source: Environmental Protection Agency
Date Data Arrived at EDR: 11/04/2009	Telephone: 202-566-2777
Date Made Active in Reports: 12/16/2009	Last EDR Contact: 01/05/2010
Number of Days to Update: 42	Next Scheduled EDR Contact: 04/12/2010
	Data Release Frequency: Semi-Annually

Local Lists of Landfill / Solid Waste Disposal Sites

DEBRIS REGION 9: Torres Martinez Reservation Illegal Dump Site Locations

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

Date of Government Version: 01/12/2009	Source: EPA, Region 9
Date Data Arrived at EDR: 05/07/2009	Telephone: 415-972-3336
Date Made Active in Reports: 09/21/2009	Last EDR Contact: 12/18/2009
Number of Days to Update: 137	Next Scheduled EDR Contact: 03/22/2010
	Data Release Frequency: Varies

ODI: Open Dump Inventory

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

Date of Government Version: 06/30/1985	Source: Environmental Protection Agency
Date Data Arrived at EDR: 08/09/2004	Telephone: 800-424-9346
Date Made Active in Reports: 09/17/2004	Last EDR Contact: 06/09/2004
Number of Days to Update: 39	Next Scheduled EDR Contact: N/A
	Data Release Frequency: No Update Planned

HIST LF: Inactive Solid Waste Facilities

The database contains historical information and is no longer updated.

Date of Government Version: 03/01/1997	Source: Department of Environmental Quality
Date Data Arrived at EDR: 02/28/2003	Telephone: 517-335-4034
Date Made Active in Reports: 03/06/2003	Last EDR Contact: 02/28/2003
Number of Days to Update: 6	Next Scheduled EDR Contact: N/A
	Data Release Frequency: No Update Planned

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

Location of open dumps on Indian land.

Date of Government Version: 12/31/1998	Source: Environmental Protection Agency
Date Data Arrived at EDR: 12/03/2007	Telephone: 703-308-8245
Date Made Active in Reports: 01/24/2008	Last EDR Contact: 11/09/2009
Number of Days to Update: 52	Next Scheduled EDR Contact: 02/22/2010
	Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Local Lists of Hazardous waste / Contaminated Sites

US CDL: Clandestine Drug Labs

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

Date of Government Version: 03/01/2009	Source: Drug Enforcement Administration
Date Data Arrived at EDR: 06/22/2009	Telephone: 202-307-1000
Date Made Active in Reports: 09/21/2009	Last EDR Contact: 12/14/2009
Number of Days to Update: 91	Next Scheduled EDR Contact: 03/22/2010
	Data Release Frequency: Quarterly

DEL SHWS: Delisted List of Contaminated Sites

Sites that have been delisted or deleted from the List of Contaminated Sites. The available documentation for the site does not support its listing or the site no longer meets criteria specified in rules.

Date of Government Version: 11/04/2009	Source: Department of Environmental Quality
Date Data Arrived at EDR: 11/04/2009	Telephone: 517-373-9541
Date Made Active in Reports: 11/17/2009	Last EDR Contact: 11/02/2009
Number of Days to Update: 13	Next Scheduled EDR Contact: 02/15/2010
	Data Release Frequency: Varies

CDL: Clandestine Drug Lab Listing

A listing of clandestine drug lab locations.

Date of Government Version: 10/20/2008	Source: Department of Community Health
Date Data Arrived at EDR: 11/18/2008	Telephone: 517-373-3740
Date Made Active in Reports: 11/21/2008	Last EDR Contact: 11/02/2009
Number of Days to Update: 3	Next Scheduled EDR Contact: 02/15/2010
	Data Release Frequency: Varies

US HIST CDL: National Clandestine Laboratory Register

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: 09/01/2007	Source: Drug Enforcement Administration
Date Data Arrived at EDR: 11/19/2008	Telephone: 202-307-1000
Date Made Active in Reports: 03/30/2009	Last EDR Contact: 03/23/2009
Number of Days to Update: 131	Next Scheduled EDR Contact: 06/22/2009
	Data Release Frequency: No Update Planned

Local Land Records

LIENS 2: CERCLA Lien Information

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

Date of Government Version: 11/03/2009	Source: Environmental Protection Agency
Date Data Arrived at EDR: 11/05/2009	Telephone: 202-564-6023
Date Made Active in Reports: 12/16/2009	Last EDR Contact: 11/02/2009
Number of Days to Update: 41	Next Scheduled EDR Contact: 02/15/2010
	Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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: 12/09/2005	Source: Department of the Navy
Date Data Arrived at EDR: 12/11/2006	Telephone: 843-820-7326
Date Made Active in Reports: 01/11/2007	Last EDR Contact: 11/20/2009
Number of Days to Update: 31	Next Scheduled EDR Contact: 03/08/2010
	Data Release Frequency: Varies

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: 08/12/2009	Source: Department of Environmental Quality
Date Data Arrived at EDR: 10/29/2009	Telephone: 517-373-9837
Date Made Active in Reports: 11/17/2009	Last EDR Contact: 10/27/2009
Number of Days to Update: 19	Next Scheduled EDR Contact: 02/08/2010
	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: 10/05/2009	Source: U.S. Department of Transportation
Date Data Arrived at EDR: 10/05/2009	Telephone: 202-366-4555
Date Made Active in Reports: 11/09/2009	Last EDR Contact: 01/06/2010
Number of Days to Update: 35	Next Scheduled EDR Contact: 04/12/2010
	Data Release Frequency: Annually

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: 09/21/2009	Source: Department of Environmental Quality
Date Data Arrived at EDR: 09/22/2009	Telephone: 517-373-8427
Date Made Active in Reports: 10/05/2009	Last EDR Contact: 12/28/2009
Number of Days to Update: 13	Next Scheduled EDR Contact: 03/29/2010
	Data Release Frequency: Quarterly

Other Ascertainable Records

RCRA-NonGen: RCRA - Non 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). Non-Generators do not presently generate hazardous waste.

Date of Government Version: 11/12/2008	Source: Environmental Protection Agency
Date Data Arrived at EDR: 11/18/2008	Telephone: 312-886-6186
Date Made Active in Reports: 03/16/2009	Last EDR Contact: 12/17/2009
Number of Days to Update: 118	Next Scheduled EDR Contact: 01/18/2010
	Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

DOT OPS: Incident and Accident Data

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

Date of Government Version: 10/13/2009
Date Data Arrived at EDR: 11/10/2009
Date Made Active in Reports: 12/16/2009
Number of Days to Update: 36

Source: Department of Transportation, Office of Pipeline Safety
Telephone: 202-366-4595
Last EDR Contact: 11/10/2009
Next Scheduled EDR Contact: 02/22/2010
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: 703-692-8801
Last EDR Contact: 10/23/2009
Next Scheduled EDR Contact: 02/01/2010
Data Release Frequency: Semi-Annually

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: 12/31/2008
Date Data Arrived at EDR: 09/30/2009
Date Made Active in Reports: 12/01/2009
Number of Days to Update: 62

Source: U.S. Army Corps of Engineers
Telephone: 202-528-4285
Last EDR Contact: 12/18/2009
Next Scheduled EDR Contact: 03/29/2010
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: 08/03/2009
Date Data Arrived at EDR: 10/27/2009
Date Made Active in Reports: 11/09/2009
Number of Days to Update: 13

Source: Department of Justice, Consent Decree Library
Telephone: Varies
Last EDR Contact: 01/05/2010
Next Scheduled EDR Contact: 04/19/2010
Data Release Frequency: Varies

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: 09/01/2009
Date Data Arrived at EDR: 09/22/2009
Date Made Active in Reports: 10/22/2009
Number of Days to Update: 30

Source: EPA
Telephone: 703-416-0223
Last EDR Contact: 12/15/2009
Next Scheduled EDR Contact: 03/29/2010
Data Release Frequency: Annually

UMTRA: Uranium Mill Tailings Sites

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

Date of Government Version: 01/05/2009
Date Data Arrived at EDR: 05/07/2009
Date Made Active in Reports: 05/08/2009
Number of Days to Update: 1

Source: Department of Energy
Telephone: 505-845-0011
Last EDR Contact: 12/23/2009
Next Scheduled EDR Contact: 03/15/2010
Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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: 08/07/2009
Date Data Arrived at EDR: 09/18/2009
Date Made Active in Reports: 11/09/2009
Number of Days to Update: 52

Source: Department of Labor, Mine Safety and Health Administration
Telephone: 303-231-5959
Last EDR Contact: 12/08/2009
Next Scheduled EDR Contact: 03/22/2010
Data Release Frequency: Semi-Annually

TRIS: Toxic Chemical Release Inventory System

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

Date of Government Version: 12/31/2007
Date Data Arrived at EDR: 04/09/2009
Date Made Active in Reports: 06/17/2009
Number of Days to Update: 69

Source: EPA
Telephone: 202-566-0250
Last EDR Contact: 12/01/2009
Next Scheduled EDR Contact: 03/15/2010
Data Release Frequency: Annually

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: 12/31/2002
Date Data Arrived at EDR: 04/14/2006
Date Made Active in Reports: 05/30/2006
Number of Days to Update: 46

Source: EPA
Telephone: 202-260-5521
Last EDR Contact: 12/29/2009
Next Scheduled EDR Contact: 04/12/2010
Data Release Frequency: Every 4 Years

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

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

Date of Government Version: 04/09/2009
Date Data Arrived at EDR: 04/16/2009
Date Made Active in Reports: 05/11/2009
Number of Days to Update: 25

Source: EPA/Office of Prevention, Pesticides and Toxic Substances
Telephone: 202-566-1667
Last EDR Contact: 12/14/2009
Next Scheduled EDR Contact: 03/15/2010
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
Date Data Arrived at EDR: 04/16/2009
Date Made Active in Reports: 05/11/2009
Number of Days to Update: 25

Source: EPA
Telephone: 202-566-1667
Last EDR Contact: 12/14/2009
Next Scheduled EDR Contact: 03/15/2010
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.

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: 12/17/2007
Next Scheduled EDR Contact: 03/17/2008
Data Release Frequency: No Update Planned

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

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

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

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

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: 12/31/2007
Date Data Arrived at EDR: 05/19/2009
Date Made Active in Reports: 09/21/2009
Number of Days to Update: 125

Source: EPA
Telephone: 202-564-4203
Last EDR Contact: 11/02/2009
Next Scheduled EDR Contact: 02/15/2010
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: 08/21/2009
Date Data Arrived at EDR: 08/27/2009
Date Made Active in Reports: 10/22/2009
Number of Days to Update: 56

Source: Environmental Protection Agency
Telephone: 202-564-5088
Last EDR Contact: 12/23/2009
Next Scheduled EDR Contact: 04/12/2010
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: 09/01/2009
Date Data Arrived at EDR: 10/21/2009
Date Made Active in Reports: 12/01/2009
Number of Days to Update: 41

Source: EPA
Telephone: 202-566-0500
Last EDR Contact: 10/21/2009
Next Scheduled EDR Contact: 02/01/2010
Data Release Frequency: Annually

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: 09/25/2009
Date Data Arrived at EDR: 10/23/2009
Date Made Active in Reports: 12/16/2009
Number of Days to Update: 54

Source: Nuclear Regulatory Commission
Telephone: 301-415-7169
Last EDR Contact: 12/14/2009
Next Scheduled EDR Contact: 03/29/2010
Data Release Frequency: Quarterly

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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: 10/15/2009	Source: Environmental Protection Agency
Date Data Arrived at EDR: 10/16/2009	Telephone: 202-343-9775
Date Made Active in Reports: 12/01/2009	Last EDR Contact: 10/16/2009
Number of Days to Update: 46	Next Scheduled EDR Contact: 01/25/2010
	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: 10/19/2009	Source: EPA
Date Data Arrived at EDR: 10/22/2009	Telephone: (312) 353-2000
Date Made Active in Reports: 12/01/2009	Last EDR Contact: 12/10/2009
Number of Days to Update: 40	Next Scheduled EDR Contact: 03/29/2010
	Data Release Frequency: Quarterly

RAATS: RCRA Administrative Action Tracking System

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

Date of Government Version: 04/17/1995	Source: EPA
Date Data Arrived at EDR: 07/03/1995	Telephone: 202-564-4104
Date Made Active in Reports: 08/07/1995	Last EDR Contact: 06/02/2008
Number of Days to Update: 35	Next Scheduled EDR Contact: 09/01/2008
	Data Release Frequency: No Update Planned

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: 12/31/2007	Source: EPA/NTIS
Date Data Arrived at EDR: 02/19/2009	Telephone: 800-424-9346
Date Made Active in Reports: 05/22/2009	Last EDR Contact: 11/20/2009
Number of Days to Update: 92	Next Scheduled EDR Contact: 03/05/2010
	Data Release Frequency: Biennially

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: 09/10/2009	Source: Department of Environmental Quality
Date Data Arrived at EDR: 09/10/2009	Telephone: 517-241-1515
Date Made Active in Reports: 10/05/2009	Last EDR Contact: 11/02/2009
Number of Days to Update: 25	Next Scheduled EDR Contact: 02/15/2010
	Data Release Frequency: Varies

DRYCLEANERS: Drycleaning Establishments

A listing of drycleaning facilities in Michigan.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 02/18/2009
Date Data Arrived at EDR: 03/17/2009
Date Made Active in Reports: 04/01/2009
Number of Days to Update: 15

Source: Department of Environmental Quality
Telephone: 517-335-4586
Last EDR Contact: 10/26/2009
Next Scheduled EDR Contact: 02/08/2010
Data Release Frequency: Varies

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: 10/13/2009
Date Data Arrived at EDR: 10/14/2009
Date Made Active in Reports: 11/17/2009
Number of Days to Update: 34

Source: Department of Environmental Quality
Telephone: 517-241-1300
Last EDR Contact: 10/14/2009
Next Scheduled EDR Contact: 01/25/2010
Data Release Frequency: Varies

AIRS: Permit and Emissions Inventory Data Permit and emissions inventory data.

Date of Government Version: 12/31/2007
Date Data Arrived at EDR: 10/09/2009
Date Made Active in Reports: 11/17/2009
Number of Days to Update: 39

Source: Department of Environmental Quality
Telephone: 517-373-7074
Last EDR Contact: 12/29/2009
Next Scheduled EDR Contact: 04/12/2010
Data Release Frequency: Varies

BEA: BASELINE ENVIRONMENTAL ASSESSMENT DATABASE

A Baseline Environmental Assessment (BEA) allows people to purchase or begin operating at a facility without being held liable for existing contamination. BEAs are used to gather enough information about the property being transferred so that existing contamination can be distinguished from any new releases that might occur after the new owner or operator takes over the property.

Date of Government Version: 12/02/2009
Date Data Arrived at EDR: 12/04/2009
Date Made Active in Reports: 12/31/2009
Number of Days to Update: 27

Source: DEPT. OF ENVIRONMENTAL QUALITY
Telephone: 517-373-9541
Last EDR Contact: 11/23/2009
Next Scheduled EDR Contact: 03/08/2010
Data Release Frequency: Semi-Annually

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: 12/31/2005
Date Data Arrived at EDR: 12/08/2006
Date Made Active in Reports: 01/11/2007
Number of Days to Update: 34

Source: USGS
Telephone: 202-208-3710
Last EDR Contact: 10/23/2009
Next Scheduled EDR Contact: 02/01/2010
Data Release Frequency: Semi-Annually

SCRD DRYCLEANERS: State Coalition for Remediation of Drycleaners Listing

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

Date of Government Version: 09/09/2009
Date Data Arrived at EDR: 09/09/2009
Date Made Active in Reports: 10/22/2009
Number of Days to Update: 43

Source: Environmental Protection Agency
Telephone: 615-532-8599
Last EDR Contact: 11/09/2009
Next Scheduled EDR Contact: 02/08/2010
Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

COAL ASH: Coal Ash Disposal Sites

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

Date of Government Version: 10/29/2009
Date Data Arrived at EDR: 11/05/2009
Date Made Active in Reports: 11/17/2009
Number of Days to Update: 12

Source: Department of Environmental Quality
Telephone: 586-753-3754
Last EDR Contact: 10/26/2009
Next Scheduled EDR Contact: 01/25/2010
Data Release Frequency: Varies

COAL ASH DOE: Sleam-Electric Plan Operation Data

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

Date of Government Version: 12/31/2005
Date Data Arrived at EDR: 08/07/2009
Date Made Active in Reports: 10/22/2009
Number of Days to Update: 76

Source: Department of Energy
Telephone: 202-586-8719
Last EDR Contact: 10/23/2009
Next Scheduled EDR Contact: 02/01/2010
Data Release Frequency: Varies

FEDLAND: Federal and Indian Lands

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

Date of Government Version: 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: 10/23/2009
Next Scheduled EDR Contact: 02/01/2010
Data Release Frequency: N/A

PCB TRANSFORMER: PCB Transformer Registration Database

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

Date of Government Version: 01/01/2008
Date Data Arrived at EDR: 02/18/2009
Date Made Active in Reports: 05/29/2009
Number of Days to Update: 100

Source: Environmental Protection Agency
Telephone: 202-566-0517
Last EDR Contact: 11/13/2009
Next Scheduled EDR Contact: 02/15/2010
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: 09/21/2009
Date Data Arrived at EDR: 09/25/2009
Date Made Active in Reports: 11/09/2009
Number of Days to Update: 45

Source: Environmental Protection Agency
Telephone: N/A
Last EDR Contact: 12/15/2009
Next Scheduled EDR Contact: 03/29/2010
Data Release Frequency: Varies

EDR PROPRIETARY RECORDS

EDR Proprietary Records

Manufactured Gas Plants: 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.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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

Source: EDR, Inc.
Telephone: N/A
Last EDR Contact: N/A
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

EDR Historical Auto Stations: EDR Proprietary 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.

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 Historical Cleaners: EDR Proprietary 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.

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

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: 12/31/2007
Date Data Arrived at EDR: 08/26/2009
Date Made Active in Reports: 09/11/2009
Number of Days to Update: 16

Source: Department of Environmental Protection
Telephone: 860-424-3375
Last EDR Contact: 11/24/2009
Next Scheduled EDR Contact: 03/08/2010
Data Release Frequency: Annually

NJ MANIFEST: Manifest Information

Hazardous waste manifest information.

Date of Government Version: 12/31/2008
Date Data Arrived at EDR: 05/05/2009
Date Made Active in Reports: 05/22/2009
Number of Days to Update: 17

Source: Department of Environmental Protection
Telephone: N/A
Last EDR Contact: 10/20/2009
Next Scheduled EDR Contact: 02/01/2010
Data Release Frequency: Annually

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

NY MANIFEST: Facility and Manifest Data

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

Date of Government Version: 10/27/2009
Date Data Arrived at EDR: 11/10/2009
Date Made Active in Reports: 12/09/2009
Number of Days to Update: 29

Source: Department of Environmental Conservation
Telephone: 518-402-8651
Last EDR Contact: 11/10/2009
Next Scheduled EDR Contact: 02/22/2010
Data Release Frequency: Annually

PA MANIFEST: Manifest Information

Hazardous waste manifest information.

Date of Government Version: 12/31/2008
Date Data Arrived at EDR: 12/01/2009
Date Made Active in Reports: 12/14/2009
Number of Days to Update: 13

Source: Department of Environmental Protection
Telephone: N/A
Last EDR Contact: 11/23/2009
Next Scheduled EDR Contact: 03/08/2010
Data Release Frequency: Annually

RI MANIFEST: Manifest information

Hazardous waste manifest information

Date of Government Version: 06/01/2009
Date Data Arrived at EDR: 06/12/2009
Date Made Active in Reports: 06/29/2009
Number of Days to Update: 17

Source: Department of Environmental Management
Telephone: 401-222-2797
Last EDR Contact: 11/30/2009
Next Scheduled EDR Contact: 03/15/2010
Data Release Frequency: Annually

WI MANIFEST: Manifest Information

Hazardous waste manifest information.

Date of Government Version: 12/31/2008
Date Data Arrived at EDR: 07/17/2009
Date Made Active in Reports: 08/10/2009
Number of Days to Update: 24

Source: Department of Natural Resources
Telephone: N/A
Last EDR Contact: 12/21/2009
Next Scheduled EDR Contact: 04/05/2010
Data Release Frequency: Annually

Oil/Gas Pipelines: This data was obtained by EDR from the USGS in 1994. It is referred to by USGS as GeoData Digital Line Graphs from 1:100,000-Scale Maps. It was extracted from the transportation category including some oil, but primarily gas pipelines.

Electric Power Transmission Line Data

Source: PennWell Corporation
Telephone: (800) 823-6277

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.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Nursing Homes

Source: National Institutes of Health

Telephone: 301-594-6248

Information on Medicare and Medicaid certified nursing homes in the United States.

Public Schools

Source: National Center for Education Statistics

Telephone: 202-502-7300

The National Center for Education Statistics' primary database on elementary and secondary public education in the United States. It is a comprehensive, annual, national statistical database of all public elementary and secondary schools and school districts, which contains data that are comparable across all states.

Private Schools

Source: National Center for Education Statistics

Telephone: 202-502-7300

The National Center for Education Statistics' primary database on private school locations in the United States.

Daycare Centers: Day Care Centers, Group & Family Homes

Source: Bureau of REgulatory Services

Telephone: 517-373-8300

Flood Zone Data: This data, available in select counties across the country, was obtained by EDR in 2003 & 2009 from the Federal Emergency Management Agency (FEMA). Data depicts 100-year and 500-year flood zones as defined by FEMA.

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

State Wetlands Data: Wetlands Inventory

Source: Department of Natural Resources

Telephone: 517-241-2254

Scanned Digital USGS 7.5' Topographic Map (DRG)

Source: United States Geologic Survey

A digital raster graphic (DRG) is a scanned image of a U.S. Geological Survey topographic map. The map images are made by scanning published paper maps on high-resolution scanners. The raster image is georeferenced and fit to the Universal Transverse Mercator (UTM) projection.

STREET AND ADDRESS INFORMATION

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GEOCHECK[®] - PHYSICAL SETTING SOURCE ADDENDUM

TARGET PROPERTY ADDRESS

GMPT LIVONIA
12200 MIDDLEBELT ROAD
LIVONIA, MI 48150

TARGET PROPERTY COORDINATES

Latitude (North):	42.37500 - 42° 22' 30.0"
Longitude (West):	83.3313 - 83° 19' 52.7"
Universal Transverse Mercator:	Zone 17
UTM X (Meters):	308054.8
UTM Y (Meters):	4693832.0
Elevation:	632 ft. above sea level

USGS TOPOGRAPHIC MAP

Target Property Map:	42083-D3 REDFORD, MI
Most Recent Revision:	1983
South Map:	42083-C3 INKSTER, MI
Most Recent Revision:	1996

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

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

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

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

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

GROUNDWATER FLOW DIRECTION INFORMATION

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

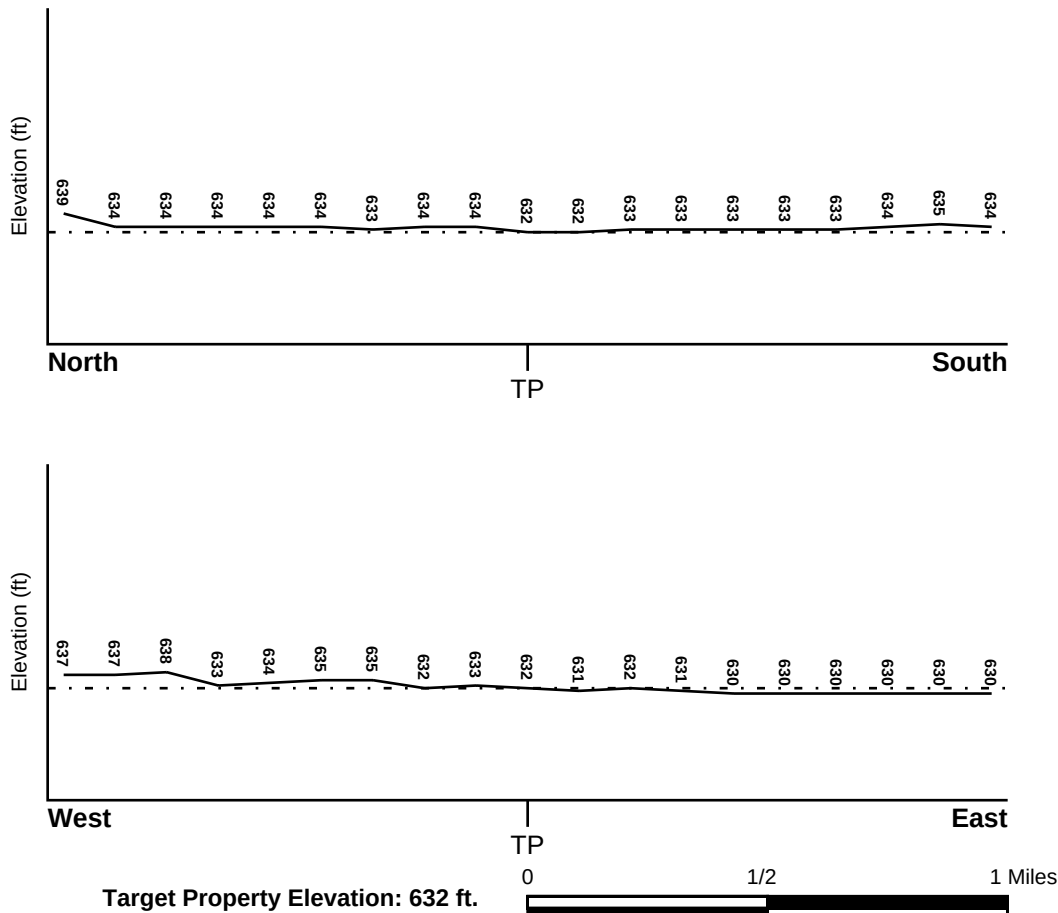
TOPOGRAPHIC INFORMATION

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

TARGET PROPERTY TOPOGRAPHY

General Topographic Gradient: General ESE

SURROUNDING TOPOGRAPHY: ELEVATION PROFILES



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

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

HYDROLOGIC INFORMATION

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

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

FEMA FLOOD ZONE

<u>Target Property County</u>	FEMA Flood
WAYNE, MI	<u>Electronic Data</u>
	YES - refer to the Overview Map and Detail Map
Flood Plain Panel at Target Property:	2602330006B
Additional Panels in search area:	2602330004B
	2602380005B

NATIONAL WETLAND INVENTORY

<u>NWI Quad at Target Property</u>	NWI Electronic
INKSTER	<u>Data Coverage</u>
	Not Available

HYDROGEOLOGIC INFORMATION

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

Site-Specific Hydrogeological Data*:

Search Radius:	1.25 miles
Location Relative to TP:	1/2 - 1 Mile SE
Site Name:	G.M.C. Inland Livonia Plant
Site EPA ID Number:	MID076331271
Groundwater Flow Direction:	NOT AVAILABLE.
Inferred Depth to Water:	not available.
Hydraulic Connection:	The site is underlain by a 35-foot to 70-foot thick clay layer that overlies an aquifer.
Sole Source Aquifer:	No information about a sole source aquifer is available
Data Quality:	Information is inferred in the CERCLIS investigation report(s)

AQUIFLOW®

Search Radius: 1.000 Mile.

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

<u>MAP ID</u>	<u>LOCATION</u>	<u>GENERAL DIRECTION</u>
5	<u>FROM TP</u> 1/2 - 1 Mile East	<u>GROUNDWATER FLOW</u> Varies

* ©1996 Site-specific hydrogeological data gathered by CERCLIS Alerts, Inc., Bainbridge Island, WA. All rights reserved. All of the information and opinions presented are those of the cited EPA report(s), which were completed under a Comprehensive Environmental Response Compensation and Liability Information System (CERCLIS) investigation.

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

<u>MAP ID</u>	<u>LOCATION</u>	<u>GENERAL DIRECTION</u>
B7	<u>FROM TP</u>	<u>GROUNDWATER FLOW</u>
	1/2 - 1 Mile East	W

For additional site information, refer to Physical Setting Source Map Findings.

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

GROUNDWATER FLOW VELOCITY INFORMATION

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

GEOLOGIC INFORMATION IN GENERAL AREA OF TARGET PROPERTY

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

ROCK STRATIGRAPHIC UNIT

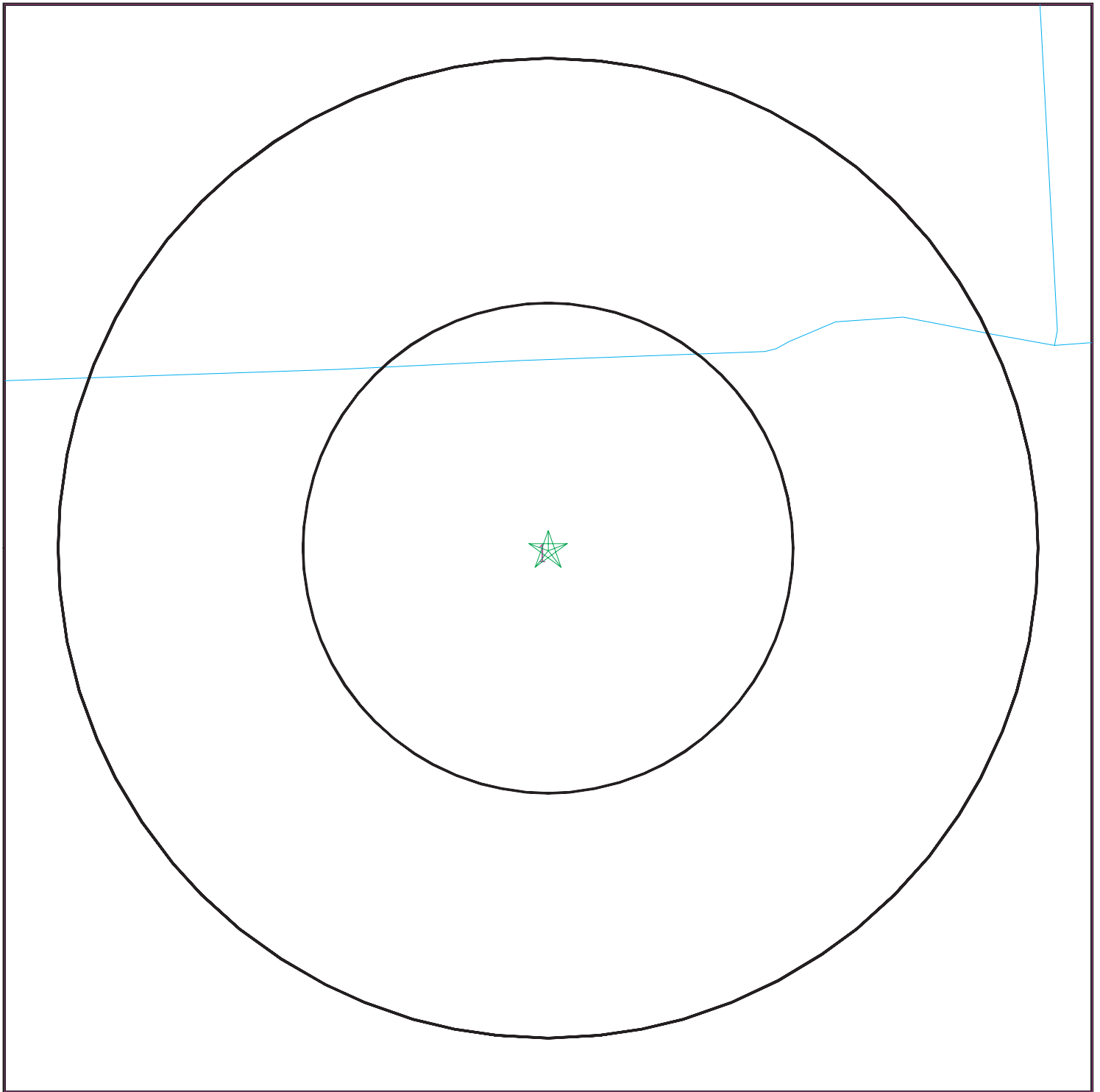
Era:	Paleozoic
System:	Devonian
Series:	Upper Devonian
Code:	D3 (decoded above as Era, System & Series)

GEOLOGIC AGE IDENTIFICATION

Category: Stratified Sequence

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

SSURGO SOIL MAP - 2672081.2s



- ★ Target Property
- ∨ SSURGO Soil
- ∨ Water



SITE NAME: GMPT Livonia
ADDRESS: 12200 Middlebelt Road
Livonia MI 48150
LAT/LONG: 42.3750 / 83.3313

CLIENT: ARCADIS U.S., Inc.
CONTACT: Moriah Bloom
INQUIRY #: 2672081.2s
DATE: January 06, 2010 2:36 pm

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

DOMINANT SOIL COMPOSITION IN GENERAL AREA OF TARGET PROPERTY

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

Soil Map ID: 1

Soil Component Name: Area not mapped

Soil Surface Texture:
Hydrologic Group: Not reported

Soil Drainage Class:
Hydric Status: Unknown

Corrosion Potential - Uncoated Steel: Not Reported

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

No Layer Information available.

LOCAL / REGIONAL WATER AGENCY RECORDS

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

WELL SEARCH DISTANCE INFORMATION

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

FEDERAL USGS WELL INFORMATION

<u>MAP ID</u>	<u>WELL ID</u>	<u>LOCATION FROM TP</u>
No Wells Found		

FEDERAL FRDS PUBLIC WATER SUPPLY SYSTEM INFORMATION

<u>MAP ID</u>	<u>WELL ID</u>	<u>LOCATION FROM TP</u>
---------------	----------------	-----------------------------

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

FEDERAL FRDS PUBLIC WATER SUPPLY SYSTEM INFORMATION

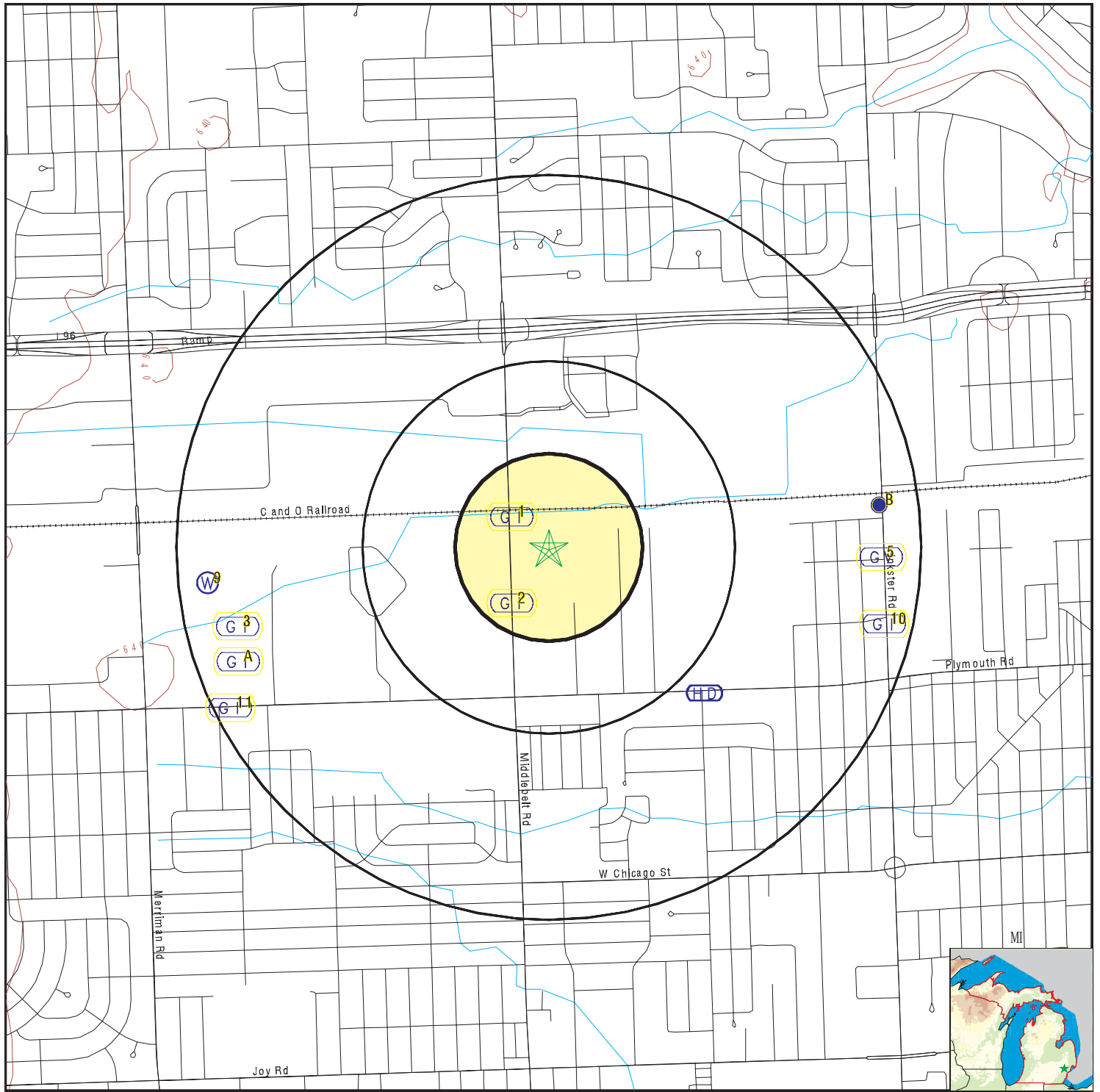
MAP ID	WELL ID	LOCATION FROM TP
No PWS System Found		

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

STATE DATABASE WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
9	MI20323847	1/2 - 1 Mile West

PHYSICAL SETTING SOURCE MAP - 2672081.2s



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

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

SITE NAME: GMPT Livonia
 ADDRESS: 12200 Middlebelt Road
 Livonia MI 48150
 LAT/LONG: 42.3750 / 83.3313

CLIENT: ARCADIS U.S., Inc.
 CONTACT: Moriah Bloom
 INQUIRY #: 2672081.2s
 DATE: January 06, 2010 2:36 pm

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation

Database EDR ID Number

5	Site ID:	032591		
East	Groundwater Flow:	Varies	AQUIFLOW	36157
1/2 - 1 Mile	Shallowest Water Table Depth:	5-7		
Lower	Deepest Water Table Depth:	Not Reported		
	Average Water Table Depth:	Not Reported		
	Date:	10/19/1993		

B7	Site ID:	Not Reported		
East	Groundwater Flow:	W	AQUIFLOW	36149
1/2 - 1 Mile	Shallowest Water Table Depth:	Not Reported		
Lower	Deepest Water Table Depth:	Not Reported		
	Average Water Table Depth:	Not Reported		
	Date:	05/13/1998		

9			MI WELLS	MI20323847
West				
1/2 - 1 Mile				
Higher				

Wellid:	82000000853	Import id:	82717926001
County:	Wayne	Township:	Livonia
Town range:	01S 09E	Section:	26
Owner name:	LW CUT STONE		
Well addr:	12200 MERRIMAN		
Well depth:	60		
Well type:	Household		
Wssn:	0		
Well num:	Not Reported	Driller id:	1133
Const date:	Not Reported	Case type:	Unknown
Case dia:	4		
Case depth:	60		
Screen frm:	52		
Screen to:	60		
Swl:	12		
Test depth:	50		
Test hours:	2		
Test rate:	75	Test methd:	Unknown
Grouted:	1	Pmp cpcity:	0
Latitude:	42.3736226775		
Longitude:	-83.3491866867		
Methd coll:	Interpolation-Map		
Elevation:	635		
Elev methd:	Topographoc Map Interpolation	Depth flag:	Not Reported
Elev flag:	Not Reported		
Swl flag:	Not Reported		
Elev dem:	633	Elev dif:	2
Elev miv:	635	Aq code:	Drift Well
Aq flag:	Not Reported	Pct aq:	25
Pct aq d:	25	Pct aq r:	0
Pct maq:	0	Pct maq d:	0
Pct maq r:	0	Pct cm:	75

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Pct cm d:	75	Pct cm r:	0
Pct pcm:	0	Pct pcm d:	0
Pct pcm r:	0	Pct na:	0
Pct na d:	0	Pct na r:	0
Pct flag:	Not Reported	Rock top:	-1
D r type:	Not Reported	Spc cpcity:	0
A thicknes:	8	A pct aq:	100
A pct maq:	0	A pct pcm:	0
A pct cm:	0	A pct na:	0
A thickns2:	48	A pct aq2:	17
A pct maq2:	0	A pct pcm2:	0
A pct cm2:	83	A pct na2:	0
A hit swl:	F	A hit top:	F
A hit rock:	F	A sc lith1:	Sand
A sc lmod1:	Not Reported	A sc lmaq1:	AQ
A sc lpct1:	100	A sc lith2:	Not Reported
A sc lmod2:	Not Reported	A sc lmaq2:	Not Reported
A sc lpct2:	0	Pct aq 1:	35
Pct maq 1:	0	Pct cm 1:	65
Pct pcm 1:	0	Pct na 1:	0
Pct aq 2:	0	Pct maq 2:	0
Pct cm 2:	100	Pct pcm 2:	0
Pct na 2:	0	Pct aq 3:	40
Pct maq 3:	0	Pct cm 3:	60
Pct pcm 3:	0	Pct na 3:	0
Pct aq 4:	0	Pct maq 4:	0
Pct cm 4:	0	Pct pcm 4:	0
Pct na 4:	0	Pct aq 5:	0
Pct maq 5:	0	Pct cm 5:	0
Pct pcm 5:	0	Pct na 5:	0
Pct aq 6:	0	Pct maq 6:	0
Pct cm 6:	0	Pct pcm 6:	0
Pct na 6:	0	Pct aq 7:	0
Pct maq 7:	0	Pct cm 7:	0
Pct pcm 7:	0	Pct na 7:	0
Pct aq 8:	0	Pct maq 8:	0
Pct cm 8:	0	Pct pcm 8:	0
Pct na 8:	0	Pct aq 9:	0
Pct maq 9:	0	Pct cm 9:	0
Pct pcm 9:	0	Pct na 9:	0
Pct aq 10:	0	Pct maq 10:	0
Pct cm 10:	0	Pct pcm 10:	0
Pct na 10:	0	Pct aq 11:	0
Pct maq 11:	0	Pct cm 11:	0
Pct pcm 11:	0	Pct na 11:	0
Pct aq 12:	0	Pct maq 12:	0
Pct cm 12:	0	Pct pcm 12:	0
Pct na 12:	0	Pct aq 13:	0
Pct maq 13:	0	Pct cm 13:	0
Pct pcm 13:	0	Pct na 13:	0
Within sec:	Y	Loc match:	Y
Aq code 1:	D		
Hit swl:	F		
Athk2:	48		
Horiz Conduct:	16.66675		
Vert Conduct:	.00012		
T2:	800.004		
D50plek:	67.61628		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation

Database

EDR ID Number

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

RADON

AREA RADON INFORMATION

State Database: MI Radon

Radon Test Results

Test Type	Zip	Floor	Stop Date	Can 1 Res pCi/L	Can 1 Error	Can 2 Res pCi/L	Can 2 Error
Random	48150	0	2/27/88	LT 0.5			
Random	48150	1	12/3/87	0.7	36.1%		
Random	48150	0	2/20/88	1.2	41.2%		
Random	48150	0	1/9/88	1.3	44.7%		
Random	48150	0	1/9/88	2.6	11.5%		
Random	48150	0	1/9/88	10.5	4.4%		

State Database: MI Radon

Radon Test Results

Zip	Less than sign	Pci/L
48150		0.60
48150		2.30
48150		1.70
48150		3.10
48150		1.70

Federal EPA Radon Zone for WAYNE County: 3

Note: Zone 1 indoor average level > 4 pCi/L.
: Zone 2 indoor average level >= 2 pCi/L and <= 4 pCi/L.
: Zone 3 indoor average level < 2 pCi/L.

Federal Area Radon Information for Zip Code: 48150

Number of sites tested: 5

Area	Average Activity	% <4 pCi/L	% 4-20 pCi/L	% >20 pCi/L
Living Area - 1st Floor	0.700 pCi/L	100%	0%	0%
Living Area - 2nd Floor	Not Reported	Not Reported	Not Reported	Not Reported
Basement	3.200 pCi/L	80%	20%	0%

PHYSICAL SETTING SOURCE RECORDS SEARCHED

TOPOGRAPHIC INFORMATION

USGS 7.5' Digital Elevation Model (DEM)

Source: United States Geologic Survey

EDR acquired the USGS 7.5' Digital Elevation Model in 2002 and updated it in 2006. The 7.5 minute DEM corresponds to the USGS 1:24,000- and 1:25,000-scale topographic quadrangle maps. The DEM provides elevation data with consistent elevation units and projection.

Scanned Digital USGS 7.5' Topographic Map (DRG)

Source: United States Geologic Survey

A digital raster graphic (DRG) is a scanned image of a U.S. Geological Survey topographic map. The map images are made by scanning published paper maps on high-resolution scanners. The raster image is georeferenced and fit to the Universal Transverse Mercator (UTM) projection.

HYDROLOGIC INFORMATION

Flood Zone Data: This data, available in select counties across the country, was obtained by EDR in 2003 & 2009 from the Federal Emergency Management Agency (FEMA). Data depicts 100-year and 500-year flood zones as defined by FEMA.

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

State Wetlands Data: Wetlands Inventory

Source: Department of Natural Resources

Telephone: 517-241-2254

HYDROGEOLOGIC INFORMATION

AQUIFLOW^R Information System

Source: EDR proprietary database of groundwater flow information

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

GEOLOGIC INFORMATION

Geologic Age and Rock Stratigraphic Unit

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

STATSGO: State Soil Geographic Database

Source: Department of Agriculture, Natural Resources Conservation Services

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

SSURGO: Soil Survey Geographic Database

Source: Department of Agriculture, Natural Resources Conservation Services (NRCS)

Telephone: 800-672-5559

SSURGO is the most detailed level of mapping done by the Natural Resources Conservation Services, mapping scales generally range from 1:12,000 to 1:63,360. Field mapping methods using national standards are used to construct the soil maps in the Soil Survey Geographic (SSURGO) database. SSURGO digitizing duplicates the original soil survey maps. This level of mapping is designed for use by landowners, townships and county natural resource planning and management.

PHYSICAL SETTING SOURCE RECORDS SEARCHED

LOCAL / REGIONAL WATER AGENCY RECORDS

FEDERAL WATER WELLS

PWS: Public Water Systems

Source: EPA/Office of Drinking Water

Telephone: 202-564-3750

Public Water System data from the Federal Reporting Data System. A PWS is any water system which provides water to at least 25 people for at least 60 days annually. PWSs provide water from wells, rivers and other sources.

PWS ENF: Public Water Systems Violation and Enforcement Data

Source: EPA/Office of Drinking Water

Telephone: 202-564-3750

Violation and Enforcement data for Public Water Systems from the Safe Drinking Water Information System (SDWIS) after August 1995. Prior to August 1995, the data came from the Federal Reporting Data System (FRDS).

USGS Water Wells: USGS National Water Inventory System (NWIS)

This database contains descriptive information on sites where the USGS collects or has collected data on surface water and/or groundwater. The groundwater data includes information on wells, springs, and other sources of groundwater.

STATE RECORDS

Water Well Data

Source: Department of Environmental Quality

Telephone: 517-335-9218

OTHER STATE DATABASE INFORMATION

Michigan Oil and Gas Wells

Source: Michigan Department of Natural Resources

Locations of oil and gas wells are compiled from permit records on file at the Geological Survey Division (GSD), Michigan Department of Natural Resources.

RADON

State Database: MI Radon

Source: Department of Environmental Quality

Telephone: 517-335-9551

Radon Test Results

Michigan Radon Test Results

Source: Department of Environmental Quality

Telephone: 517-335-8037

These results are from test kits distributed by the local health departments and used by Michigan residents. There is no way of knowing whether the devices were used properly, whether there are duplicates (or repeat verification) test (i.e., more than one sample per home), etc.

Area Radon Information

Source: USGS

Telephone: 703-356-4020

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

EPA Radon Zones

Source: EPA

Telephone: 703-356-4020

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

PHYSICAL SETTING SOURCE RECORDS SEARCHED

OTHER

Airport Landing Facilities: Private and public use landing facilities
Source: Federal Aviation Administration, 800-457-6656

Epicenters: World earthquake epicenters, Richter 5 or greater
Source: Department of Commerce, National Oceanic and Atmospheric Administration

STREET AND ADDRESS INFORMATION

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APPENDIX D

Photograph Log

**Phase I Environmental Site Assessment
12200 Middlebelt, Livonia, MI**

Appendix D - Photograph Log

CLIENT: Motors Liquidation Company	SITE NAME: GM Powertrain Livonia
PROJECT #: BN015317.0016	SITE LOCATION: 12200 Middlebelt, Livonia, MI
PHOTOGRAPH #: 1	
PHOTOGRAPHER: MB	
DATE: 1/19/10	
DIRECTION:	
COMMENT: Coolant Gallery (contains 2 20,000-gallon tanks)	

CLIENT: Motors Liquidation Company	SITE NAME: GM Powertrain Livonia
PROJECT #: BN015317.0016	SITE LOCATION: 12200 Middlebelt, Livonia, MI
PHOTOGRAPH #: 2	
PHOTOGRAPHER: MB	
DATE: 1/19/10	
DIRECTION:	
COMMENT: Coolant Gallery (contains 2 40,000-gallon tanks)	

**Phase I Environmental Site Assessment
12200 Middlebelt, Livonia, MI**

Appendix D - Photograph Log

CLIENT: Motors Liquidation Company	SITE NAME: GM Powertrain Livonia
PROJECT #: BN015317.0016	SITE LOCATION: 12200 Middlebelt, Livonia, MI
PHOTOGRAPH #: 3	
PHOTOGRAPHER: MB	
DATE: 1/19/10	
DIRECTION:	
COMMENT: Coolant Gallery (contains 5 tanks)	

CLIENT: Motors Liquidation Company	SITE NAME: GM Powertrain Livonia
PROJECT #: BN015317.0016	SITE LOCATION: 12200 Middlebelt, Livonia, MI
PHOTOGRAPH #: 4	
PHOTOGRAPHER: MB	
DATE: 1/19/10	
DIRECTION:	
COMMENT: Oil leaking from the equipment above into the basement	

**Phase I Environmental Site Assessment
12200 Middlebelt, Livonia, MI**

Appendix D - Photograph Log

CLIENT: Motors Liquidation Company	SITE NAME: GM Powertrain Livonia
PROJECT #: BN015317.0016	SITE LOCATION: 12200 Middlebelt, Livonia, MI
PHOTOGRAPH #: 5	
PHOTOGRAPHER: MB	
DATE: 1/19/10	
DIRECTION:	
COMMENT: Staining on floor in Coolant Gallery	

CLIENT: Motors Liquidation Company	SITE NAME: GM Powertrain Livonia
PROJECT #: BN015317.0016	SITE LOCATION: 12200 Middlebelt, Livonia, MI
PHOTOGRAPH #: 6	
PHOTOGRAPHER: MB	
DATE: 1/19/10	
DIRECTION: South	
COMMENT: Outside the east side of the building	

**Phase I Environmental Site Assessment
12200 Middlebelt, Livonia, MI**

Appendix D - Photograph Log

CLIENT: Motors Liquidation Company	SITE NAME: GM Powertrain Livonia
PROJECT #: BN015317.0016	SITE LOCATION: 12200 Middlebelt, Livonia, MI
PHOTOGRAPH #: 7	
PHOTOGRAPHER: MB	
DATE: 1/19/10	
DIRECTION: West	
COMMENT: 800-gallon gasoline and 200-gallon diesel fuel dual-compartment double-walled tank	

CLIENT: Motors Liquidation Company	SITE NAME: GM Powertrain Livonia
PROJECT #: BN015317.0016	SITE LOCATION: 12200 Middlebelt, Livonia, MI
PHOTOGRAPH #: 8	
PHOTOGRAPHER: MB	
DATE: 1/19/10	
DIRECTION: East	
COMMENT: Air Compressor Building	

**Phase I Environmental Site Assessment
12200 Middlebelt, Livonia, MI**

Appendix D - Photograph Log

CLIENT: Motors Liquidation Company	SITE NAME: GM Powertrain Livonia
PROJECT #: BN015317.0016	SITE LOCATION: 12200 Middlebelt, Livonia, MI
PHOTOGRAPH #: 9	
PHOTOGRAPHER: MB	
DATE: 1/19/10	
DIRECTION:	
COMMENT: Drum storage in the Air Compressor Building	

CLIENT: Motors Liquidation Company	SITE NAME: GM Powertrain Livonia
PROJECT #: BN015317.0016	SITE LOCATION: 12200 Middlebelt, Livonia, MI
PHOTOGRAPH #: 10	
PHOTOGRAPHER: MB	
DATE: 1/19/10	
DIRECTION:	
COMMENT: Hazardous waste storage area within Air Compressor Building	

**Phase I Environmental Site Assessment
12200 Middlebelt, Livonia, MI**

Appendix D - Photograph Log

CLIENT: Motors Liquidation Company	SITE NAME: GM Powertrain Livonia
PROJECT #: BN015317.0016	SITE LOCATION: 12200 Middlebelt, Livonia, MI
PHOTOGRAPH #: 11	
PHOTOGRAPHER: MB	
DATE: 1/19/10	
DIRECTION:	
COMMENT: Wastewater Treatment Plant	

CLIENT: Motors Liquidation Company	SITE NAME: GM Powertrain Livonia
PROJECT #: BN015317.0016	SITE LOCATION: 12200 Middlebelt, Livonia, MI
PHOTOGRAPH #: 12	
PHOTOGRAPHER: MB	
DATE: 1/19/10	
DIRECTION: East	
COMMENT: DTE Substation on the east side of the Site	

**Phase I Environmental Site Assessment
12200 Middlebelt, Livonia, MI**

Appendix D - Photograph Log

CLIENT: Motors Liquidation Company	SITE NAME: GM Powertrain Livonia
PROJECT #: BN015317.0016	SITE LOCATION: 12200 Middlebelt, Livonia, MI
PHOTOGRAPH #: 13	
PHOTOGRAPHER: MB	
DATE: 1/19/10	
DIRECTION:	
COMMENT: Basement of Wastewater Treatment Plant	

CLIENT: Motors Liquidation Company	SITE NAME: GM Powertrain Livonia
PROJECT #: BN015317.0016	SITE LOCATION: 12200 Middlebelt, Livonia, MI
PHOTOGRAPH #: 14	
PHOTOGRAPHER: MB	
DATE: 1/19/10	
DIRECTION:	
COMMENT: Hydraulic lift for elevator, located in the basement of the Wastewater Treatment Plant	

**Phase I Environmental Site Assessment
12200 Middlebelt, Livonia, MI**

Appendix D - Photograph Log

CLIENT: Motors Liquidation Company	SITE NAME: GM Powertrain Livonia
PROJECT #: BN015317.0016	SITE LOCATION: 12200 Middlebelt, Livonia, MI
PHOTOGRAPH #: 15	
PHOTOGRAPHER: MB	
DATE: 1/19/10	
DIRECTION:	
COMMENT: Sump in basement of the Wastewater Treatment Plant	

CLIENT: Motors Liquidation Company	SITE NAME: GM Powertrain Livonia
PROJECT #: BN015317.0016	SITE LOCATION: 12200 Middlebelt, Livonia, MI
PHOTOGRAPH #: 16	
PHOTOGRAPHER: MB	
DATE: 1/19/10	
DIRECTION:	
COMMENT: Staining on wall in basement of Wastewater Treatment Plant	

**Phase I Environmental Site Assessment
12200 Middlebelt, Livonia, MI**

Appendix D - Photograph Log

CLIENT: Motors Liquidation Company	SITE NAME: GM Powertrain Livonia
PROJECT #: BN015317.0016	SITE LOCATION: 12200 Middlebelt, Livonia, MI
PHOTOGRAPH #: 17	
PHOTOGRAPHER: MB	
DATE: 1/19/10	
DIRECTION: East	
COMMENT: Fuel loading area on the north side of the Wastewater Treatment Plant	

CLIENT: Motors Liquidation Company	SITE NAME: GM Powertrain Livonia
PROJECT #: BN015317.0016	SITE LOCATION: 12200 Middlebelt, Livonia, MI
PHOTOGRAPH #: 18	
PHOTOGRAPHER: MB	
DATE: 1/19/10	
DIRECTION: South	
COMMENT: Outside the east side of the Wastewater Treatment Plant	

**Phase I Environmental Site Assessment
12200 Middlebelt, Livonia, MI**

Appendix D - Photograph Log

CLIENT: Motors Liquidation Company	SITE NAME: GM Powertrain Livonia
PROJECT #: BN015317.0016	SITE LOCATION: 12200 Middlebelt, Livonia, MI
PHOTOGRAPH #: 19	
PHOTOGRAPHER: MB	
DATE: 1/19/10	
DIRECTION:	
COMMENT: Flume in Coolant Gallery	

CLIENT: Motors Liquidation Company	SITE NAME: GM Powertrain Livonia
PROJECT #: BN015317.0016	SITE LOCATION: 12200 Middlebelt, Livonia, MI
PHOTOGRAPH #: 20	
PHOTOGRAPHER: MB	
DATE: 1/19/10	
DIRECTION: North	
COMMENT: Outside the west side of the plant	

APPENDIX E

Qualifications of Environmental Professionals

Education

BSE Chemical Engineering,
University of Michigan, 2006

Years of Experience

Total – 3.5 years
With ARCADIS – 3.5 years

Professional Registrations

Certified Construction Storm
Water Operator
Certified Industrial Storm Water
Operator

Moriah Bloom

Environmental Specialist II

Ms. Bloom has 3.5 years of environmental experience as a consultant. Ms. Bloom's focus has been compliance assistance (Spill Prevention Control and Countermeasures [SPCC] Plans, Pollution Incident Prevention Plans (PIPP), Storm Water Pollution Prevention Plans (SWPPP), Integrated Contingency Plans (ICP), Greenhouse Gas Emission Inventories, assistance with Compliance Audits, as well as hazardous and non-hazardous waste management).

Ms. Bloom has approximately 3 months of internship experience from the Chemistry Department at Pfizer Inc. Ms. Bloom's focus was a case study comparing a new separation instrument to existing methods of separation. Ms. Bloom was one of the recipients of the Pfizer Green Chemistry Award for her work on this project.

Compliance Assistance

Spill Prevention Control and Countermeasures Plans, Pollution Incident Prevention Plans, and Storm Water Pollution Prevention Plans, Multiple Clients and Multiple States

Ms. Bloom updated and prepared SPCC, PIP, and SWPP plans for multiple clients. Existing plans were reviewed for compliance with current regulations and changes were made accordingly. Ms. Bloom has also performed site visits in order to help edit and prepare SPCC, PIP, and SWPP plans.

Contingency Plan, Multiple Clients

Ms. Bloom updated and prepared contingency plans for multiple clients. The focus was to make sure that it complied with requirements and regulations.

Hazardous and Non-Hazardous Waste Management, Multiple Clients

Ms. Bloom helped manage the disposal of hazardous and non-hazardous waste. This was done by characterizing the waste from analytical results, the completion of waste profiles, and coordinating with transporters and waste disposal facilities.

Permit Application, Multiple Clients

Ms. Bloom has prepared Wastewater Discharge Permit Applications for two different clients. One permit included speaking to the city of Ypsilanti about discharge limits and gathering information from the plant. Ms. Bloom has also completed Permit by Rule Applications. This involved performing emission calculations.

Audits, Multiple Clients

Ms. Bloom has assisted in compliance audits at various facilities. Ms. Bloom has performed a TSDF Audit at a full-service reconditioning plant. This included visiting the plant, reviewing records, and providing a report.

Pilot Test (Water treatment system), MACSTEEL

Ms. Bloom has helped perform a pilot test that involved the treatment of groundwater filled with metals and that was highly basic. The pilot test involved running groundwater through a treatment system and taking samples, which were sent to a lab to be tested.

Data processing, Multiple Clients

Ms. Bloom has helped edit and add data to emission report spreadsheets. This included gathering information from documents and turning it into a spreadsheet format.

Climate Change (Greenhouse Gas Emission Inventory), Multiple Clients

Ms. Bloom has performed calculations and assisted with providing a Greenhouse Gas Emission Inventory following the USEPA Climate Leaders Protocol. This included gathering information from the USEPA Climate Leaders Greenhouse Gas Inventory Protocol, providing an emission inventory, and preparing an Inventory Management Plan. Ms. Bloom has also assisted with providing a Greenhouse Gas Emission Inventory following the Climate Registry Protocol.

Education

MBA/, University of Michigan
Business School, 1999
BS/Mechanical Engineering,
Purdue University, 1992

Years of Experience

With ARCADIS Since 2000

Professional Registrations

Professional Engineer, MI
Environmental Lead Auditor

Professional Qualifications

- RABQSA International
- Engineering Society of
Detroit (ESD)

Brad A. Saunders, PE Principal Engineer

Mr. Saunders possesses 17 years of combined industrial and consulting experience in environmental engineering and management. He specializes in providing a broad range of environmental management, assessment, investigation, compliance and due diligence services for a diverse group of clients.

Mr. Saunders is experienced in providing companies an integrated approach to environmental management and compliance. Mr. Saunders assists companies in the design, implementation, and auditing of ISO 14001-confirming environmental management systems, and maintains Environmental Lead Auditor status with RABQSA International. Mr. Saunders also assists companies in complying with environmental regulations promulgated by the USEPA, state, and local agencies in accordance with the Clean Air Act (CAA), Clean Water Act (CWA), Resource Conservation and Recovery Act (RCRA), Safe Drinking Water Act (SDWA), Emergency Planning and Community Right-to-Know Act (EPCRA), Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA), and the Toxic Substances Control Act (TSCA). Compliance services provided include registration and permit application preparation, regulatory agency negotiation of permit terms and conditions, development of detailed electronic monitoring and record keeping spreadsheets, preparation and submittal of agency reports, and auditing. He also has familiarity with select OSHA and Department of Transportation regulations.

Mr. Saunders routinely directs and conducts Phase I environmental site assessments (ESAs) for multiple clients in accordance with ASTM Standard Practice, meeting the definition of an Environmental Professional per ASTM E1527-05. He uses industry experience and broad knowledge of processes in combination with document research to develop sound assessment findings. Mr. Saunders has extensive experience catering assessment recommendations to client needs such as prospective acquisitions, financing opportunities, divestitures, lease entries and lease exits. Following up on Phase I ESA findings, Mr. Saunders also routinely directs Phase II ESA sampling and investigation activities, and manages environmental remediation and construction projects.