

March 26, 2010

BN015317.0015

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

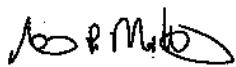
Subject: Phase I Environmental Site Assessment
MLC ID 1298-1
Atherton Landfill/Die Storage Lot
Flint, Michigan

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 1298-1
GLTC – Die Storage Lot**

**Northwest Corner of West Atherton Road and
South Saginaw Street
Flint, Michigan**

**March 26, 2010
ARCADIS Project No. BN015317.0015**

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's 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:

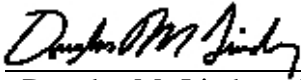


for: _____

Moriah Bloom

Environmental Specialist

Report Reviewed By:



Douglas M. Lindsay, PG, LSP

Senior Geologist

EXECUTIVE SUMMARY

ARCADIS U.S., Inc. (ARCADIS) performed a Phase I Environmental Site Assessment (ESA) of the GLTC - Die Storage Lot property (MLC ID 1298-1) located at the northwest corner of West Atherton Road and South Saginaw Street, in the City of Flint (Genesee County), Michigan (the Site). The Site consists of approximately 11-acres of a triangular paved parking lot and is partially paved with asphalt (southern portion of the Site) and concrete (northern portion of the Site). There is a concrete constructed retention basin located on the northwest corner of the Site. There are no buildings located on the Site.

According to a previous ARCADIS report, the Site is contiguous with the former General Motors Corporation (GM) Fisher Body Assembly (FBA) plant, renamed the Great Lakes Technology Center (GLTC) by a developer following closure of the plant at the end of 1987. The FBA plant was partially demolished and the remaining buildings were renovated for commercial use. The FBA plant property was purchased by GLTC in 1989. The former GM plant, as a whole, was comprised of three primary areas which included:

- The former FBA plant (referred to as GLTC), located south of the Site beyond West Atherton Road.;
- The Hemphill Landfill located southeast of GLTC, and;
- GLTC - Die Storage Lot, which is the “Site” for the purposes of this Phase I ESA.

Based on the earliest historical records reviewed (1937), the Site originally consisted of undeveloped land. Railroad tracks were formerly present on the north and east portions of the Site and appeared to have been decommissioned between 1982 and 1999. As early as 1937 through 1950, prior to GM’s use of the area as a parking lot, the Site was used as a landfill (referred to as Atherton Landfill). GM improved the Site circa 1982 with pavement consisting of reinforced concrete which was used by GM for heavy press stamping die equipment storage. The pavement extended over the former landfill for additional storage area and also served as a landfill cap. GM utilized the Site for die storage and an employee vehicle parking lot from 1982 to 1992.

The surrounding area includes the GLTC former FBA site, located south of the Site beyond West Atherton Road. The GLTC FBA site is noted in previous environmental investigations as subject to corrective action under Michigan Act 451, Part 201 (Environmental Remediation) of the MDEQ regulations due to soil and groundwater contamination from historical on-site operations. An Act 451, Part 213 (LUST) area also exists on the North Area of the GLTC Site because of an open cases involving leaking underground storage tanks. Former railroad tracks and commercial areas are located north of the Site. A commercial area called Great Lakes Plaza is located east of the Site. The Redeemer Lutheran Church and Center Academy are located to the west of the Site.

The purpose of this Phase I ESA is 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. A summary of our key findings is provided below:

- The Site was formerly used for industrial and commercial activities, associated with the GM FBA plant located south of the Site beyond West Atherton Road. The GM plant utilized the Site as a die storage lot and employee vehicle parking lot.
- According to previous environmental reports and historical documents, the Site was used as a landfill (Atherton Landfill) as early as 1937 through 1950. Waste disposed in the landfill included waste materials from the FBA plant and other unknown materials. Landfilling occurred on the Site from at least 1937 through 1950. The landfill was capped in the 1980's with pavement when the Site was developed as a storage lot for the GM FBA plant.
- Review of the historical records also identify that railroad tracks were formerly located on the north and east portions of the Site. Various unknown materials were transported on the tracks and potential impacts from releases are unknown. In addition, railroad ties were typically preserved with creosote, which over time has the potential for impacting the surrounding surfaces.
- The Site is surrounded by multiple commercial and industrial properties. According to the Environmental Database Report (EDR), eleven (11) LUST properties are located within 0.5 miles of the Site.

Conclusion

ARCADIS performed a Phase I ESA in conformance with the scope and limitations of ASTM Practice E 1527-05 of the property located at the northwest corner of Atherton and Saginaw, Flint, 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:

- The presence of fill materials due to landfilling activities which occurred on the Site from at least 1937 through 1950.
- Impacts to groundwater and soils identified at the Site. The subsurface impacts included the following constituents: arsenic, barium, lead, and volatile organic compounds (VOCs) which are likely related to the historic landfilling activities at the Site.
- The Draft Remedial Action Plan (2008) prepared for the Site proposed the completion of two soil remedial actions which have not been completed as of the date of this report. This includes an area of surface soils impacted with lead located outside the fence around the paved area of the Site.
- A lien was placed on the property by the Michigan Department of Environmental Quality (MDEQ) Remediation and Redevelopment Division.
- The south adjacent property, beyond West Atherton Road, has operated as an industrial facility from 1922 through 2000s. This property, referred to as GLTC, was formerly owned and operated by GM. According to the EDR reports several on-going environmental investigations are occurring at the site that involved both the MDEQ and the EPA oversight including a LUST investigation, and RCRA generator related activities. Based on the up- to crossgradient location and the distance of the GLTC property to the Site, there is a potential for the Site to have been adversely impacted by activities occurring on the south adjacent property.

CONTENTS

EXECUTIVE SUMMARY	II
1.0 INTRODUCTION	1
1.1 Purpose	1
1.2 Detailed Scope of Services	1
1.3 Significant Assumptions.....	2
1.4 Limitations and Exceptions	2
1.5 User Reliance	3
2.0 SITE DESCRIPTION	3
2.1 Location and Legal Description	3
2.2 Site and Vicinity General Characteristics	4
2.3 Current Use of the Site.....	4
2.4 Descriptions of Structures, Roads, and Other Improvements on the Site.....	4
2.4.1 Source of Potable Water	4
2.4.2 Sewage Disposal System.....	4
2.4.3 Heating/Cooling Systems	4
2.4.4 Solid Waste Disposal	4
2.5 Current Uses of Adjoining Properties	5
3.0 USER-PROVIDED INFORMATION	5
3.1 Title Records.....	5
3.2 Environmental Liens or Activity and Use Limitations	5
3.3 Specialized Knowledge.....	6
3.4 Commonly Known or Reasonably Ascertainable Information.....	6
3.5 Valuation Reduction for Environmental Issues.....	7
3.6 Owner, Property Manager, and Occupant Information	7
3.7 Reason for Performing Phase I	7
4.0 RECORDS REVIEW.....	7
4.1 Historical Use Information	7
4.1.1 Previous Environmental Reports	7
4.1.2 Historic Map Review	11
4.1.3 Aerial Photograph Review.....	11

4.1.4 City Directories	13
4.1.5 Historical Topographic Maps	14
4.1.6 Building/Planning Departments.....	15
4.1.7 Additional Record Sources	15
4.1.8 Summary of Historical Information	15
4.2 Historical Use Information on Adjoining Properties	16
4.3 Physical Setting	16
4.3.1 Geology	16
4.3.2 Hydrology	17
4.4 Standard Environmental Record Sources – Federal and State	17
4.4.1 Site	19
4.4.2 Federal Environmental Record Sources	19
4.4.4 Orphan Summary	21
4.5 Additional Environmental Records Sources	21
4.5.1 Fire Department	21
4.5.2 Health Department	22
4.5.3 Michigan Department of Environmental Quality	22
5.0 SITE RECONNAISSANCE.....	23
5.1 Methodology and Limiting Conditions	23
5.2 Current Site Use.....	23
5.3 Site Observations.....	23
5.3.1 Underground Storage Tanks (USTs).....	23
5.3.2 Aboveground Storage Tanks (ASTs).....	23
5.3.3 Hazardous Substance and Petroleum Use	23
5.3.4 Unlabeled Drums/Containers	24
5.3.5 Stained Soil or Pavement	24
5.3.6 Stains or Corrosion	24
5.3.7 Stressed Vegetation	24
5.3.8 Polychlorinated Biphenyls (PCBs)	24
5.3.9 Solid Waste/Dumping	24
5.3.10 Site Drainage.....	24
5.3.11 Pits, Ponds, Lagoons and Pools of Liquid	24

5.3.12 Wastewater	25
5.3.13 Wells	25
5.3.14 Septic Systems	25
5.3.15 Odors	25
5.3.16 Other Observations.....	25
6.0 INTERVIEWS.....	25
6.1 Interview with Owner/Key Site Manager	25
6.2 Site Occupants	25
6.3 Interviews with Local Regulatory Agencies	25
6.4 Interviews with Others	25
7.0 FINDINGS/OPINION.....	26
7.1 Known or Suspect Environmental Concerns.....	26
7.2 Historical Recognized Environmental Conditions	27
7.3 De Minimis Conditions	27
8.0 CONCLUSIONS	27
9.0 DEVIATIONS/DATA GAPS	28
10.0 ADDITIONAL SERVICES	28
11.0 SIGNATURE OF ENVIRONMENTAL PROFESSIONAL	29
12.0 REFERENCES	28

FIGURES

- 1 Site Vicinity Map
- 2 Site Plan

APPENDICES

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

1.0 INTRODUCTION

ARCADIS-US, Inc.(ARCADIS) performed a Phase I Environmental Site Assessment (ESA) of the former General Motors Corporation (GM) Great Lakes Training Center (GLTC) Die Storage Lot (MLC ID 1298-1) located at the northwest corner of West Atherton Road and South Saginaw Street, in the City of Flint (Genesee County), Michigan (referred to as the “Site”). The Site consists of an approximately 11-acre triangular-shaped paved parking lot which is partially paved with asphalt (southern portion of the Site) and concrete (northern portion 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 recognized environmental conditions (RECs) in connection with the Site, 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/ARCADIS representative(s).

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; and,
- preparation of a report presenting our findings, including a summary of conclusions.

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's 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's 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 (MLC). 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 the northwest corner of West Atherton Road and South Saginaw Street, in the City of Flint, Genesee County, Michigan. Based on the review of the ascertainable records, no historical or current addresses appear to be associated with the Site.

Based on information obtained from the City of Flint Assessing office, the Site is identified by Parcel ID 41-19-454-014 and legal description is as follows:
UNPLATTED. PART OF S 1/2 OF SEC 19, T7N, R7E. BEG AT A PT ON WLY LINE OF S SAGINAW ST, 97 FT N 9 DEG 21 MIN 30 SEC W FROM ITS INT WITH NLY LINE OF ATHERTON RD; TH S 39 DEG 14 MIN W, 40 FT; TH S 50 DEG 17 MIN 54 SEC W, 78.91 FT; TH S 88 DEG 56 MIN W, 823.44 FT; TH N 3 DEG 08 MIN E, 736.56 FT; TH N 0 DEG 36 MIN E, 198.85 FT TO SWLY LINE OF C & O RR R/W; TH SELY ALG SD SWLY LINE, 1007.45 FT TO WLY LINE OF SAGINAW ST; TH SLY ALG SD WLY LINE, 63.18 FT TO POB.

Refer to Figure 1 for the location of the Site.

2.2 Site and Vicinity General Characteristics

The Site is primarily improved as a parking lot which was unoccupied at the time of the Site reconnaissance. The Site perimeter is fenced with one access gate along West Atherton Road. A retention basin is located on the northwest corner of the Site. The surrounding area consists of commercial/industrial properties, a drainage ditch, and roadways.

2.3 Current Use of the Site

The Site is currently unoccupied.

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

The Site consists of an approximately 11-acre triangular-shaped paved parking lot and is partially paved with asphalt (southern portion of the Site) and concrete (northern portion of the Site). There is a concrete constructed retention basin located on the northwest corner of the Site. There are no buildings located on the Site. During the Site reconnaissance, storm sewers were observed along the eastern and western portions of the Site.

The Site reconnaissance activities were performed on January 11, 2010 and during the Site visit the entire Site was covered by approximately 10 to 12 inches of snow and therefore ARCADIS visual observations of the property surfaces were limited.

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

2.4.1 Source of Potable Water

Potable water connections in the vicinity of the Site are provided by the City of Flint Water Department.

2.4.2 Sewage Disposal System

Sanitary sewer connections in the vicinity of the Site are provided by the Genesee County Public Works Department.

2.4.3 Heating/Cooling Systems

There are no buildings at the Site.

2.4.4 Solid Waste Disposal

There are no buildings at the Site and solid waste is not generated at the Site.

2.5 Current Uses of Adjoining Properties

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

- The Site is abutted to the north by the former Chesapeake & Ohio Railroad line. There appears to be heavy vegetation growth throughout the area and commercial/industrial property beyond.
- The Site is abutted to the east by the former Chesapeake & Ohio Railroad line and South Saginaw Road followed by commercial properties (3600-3648 South Saginaw Road).
- The Site is abutted to the south by West Atherton Road followed by the former GM GLTC property (4100 South Saginaw Street) which appeared to be non-operational during the site reconnaissance.
- The Site is abutted to the west by Redeemer Lutheran Church and Center Academy middle school.

3.0 USER-PROVIDED INFORMATION

The following items regarding the Site were requested by ARCADIS to the Client's representative. The questionnaire was submitted to Bob Hare of Motors Liquidation Company. Bob Hare had Clifford Yantz of O'Brien & Gere fill the questionnaire out on his behalf. A copy of the questionnaire is 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

Clifford Yantz 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:** No
- 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:** No

Refer to Section 4.1.1 for a discussion of Environmental Liens or Activity and Use Limitations identified in the previous environmental reports.

3.3 Specialized Knowledge

Clifford Yantz was asked the following questions as part of the assessment:

- Does he 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:** Yes, he has been supporting environmental consulting needs for GM and MLC on the Die Storage Lot Site since 2005.
- Is he aware of commonly known or reasonably ascertainable information about the property that would help the environmental professional to identify conditions indicative of releases or threatened releases? For example, as User, does he know the past uses of the Site? **Answer:** Yes
- Does he know of specific chemicals that are present or once were present at the property? **Answer:** In general, metals (lead and arsenic in particular) and VOCs (BETX compounds in particular).
- Does he know of spills or other chemical releases that have taken place at the property? **Answer:** Not directly, but site impacts indicate the possibility of spills or releases historically.
- Does he know of any environmental cleanups that have taken place at the property? **Answer:** The concrete retention basin located at the northern tip of the site, which included an oil/water separator system was decommissioned in 2005.
- Does he know of any pending, threatened, or past litigation relevant to hazardous substances or petroleum products in, on, or from the property? **Answer:** No
- Does he know of any pending, threatened, or past administrative proceedings relevant to hazardous substances or petroleum products in, on, or from the property? **Answer:** No
- Does he 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:** Yes, Site is a facility under Part 201.

3.4 Commonly Known or Reasonably Ascertainable Information

Clifford Yantz was asked the following question as part of the assessment:

Based on his 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:** Impacts exceeding the Part 201 cleanup criteria exist at the Site.

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 Flint Assessment Division, the Site is owned by General Motors Corporation. General Motors Corporation filed for bankruptcy in June 2009 and on July 9, 2009 sold certain assets to a newly formed company now known as General Motors LLC. At the time of that sale, General Motors Corporation changed its name to Motors Liquidation Company (MLC). MLC retained ownership of the Site.

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 a description of the topographic, hydrologic and soil conditions in the area of the Site.

4.1 Historical Use Information

4.1.1 Previous Environmental Reports

The Client provided ARCADIS with previous environmental reports for the Site which are summarized below:

Phase I and II Environmental Site Assessments (ESAs) were performed at the GLTC, including the Site, by GZA from September through November 1987. The Phase I and II ESAs included a vadose zone monitoring program, and soil boring and monitoring well installation programs. As a result of conditions observed during the Phase I and II assessments, additional Phase III and IV ESAs were performed by GZA at the Site from February 1988 to May 1988. The objectives of the Phase III and IV ESAs were to assess the approximate thickness of fill material, assess the impact of metals present in the fill material, assess the concentrations of volatile organic compounds (VOCs) in the fill material, and to gather additional groundwater data on perimeter wells. Soil analytical results indicated detection of acetone at concentrations of 290 ppb or less. Benzene was not detected. Chlorobenzene was detected at 530 ppb or less. 1,3 Dichlorobenzene was detected at 1,200 ppb and below. Concentrations of 1,4

Dichlorobenzene were detected at 1,500 ppb or less. Cis 1,2-Dichloroethylene was detected at 2.2 ppb and below. Ethyl-tert-butyl ether was detected at 120 ppb or less. Methylene Chloride was detected at 220 ppb and below. Methyl Ethyl Ketone was detected at 534 ppb and below. Concentrations of 1,1,1-Trichloroethane were detected at 230 ppb and less. Trichloroethylene was detected at 1.7 ppb. Toluene was detected at 72 ppb and below. Xylenes were detected at 350 ppb and below. The highest detections were found in SB-108, but also in SB-108-10, SB-112, SB-112-14 and SB-113 located in the north central portion of the site.

The Phase III and IV results indicated that metals concentrations exceeded the GCDW protection criteria for barium and/or lead at five of twenty soil boring sample locations; however, none of the samples exhibited concentrations in excess of their respective E.P. Toxicity (40 CFR Part 261.24) hazardous waste criteria. PCBs were not detected in the soil samples. Results for the ground water sampling of the four perimeter monitoring points indicated the presence of VOCs in monitoring wells MW-7 and MW-13. Dichloroethene was detected in the ground water sample from MW-7 at a concentration of 33 µg/L. In addition, acetone was detected in samples from MW-7 and MW-13 at concentrations of 15 µg/L and 24 µg/L respectively. The detected levels of dichloroethene and acetone were below the GCDW protection criteria. GZA concluded these detections were related to the placement of fill at the Site.

OBG prepared a Remedial Action Plan (RAP) for the Site and submitted the report to Michigan Department of Environmental Quality (MDEQ) in November 2002. As of January 17, 2010, MDEQ is now known as the Michigan Department of Natural Resources and Environment (MDNRE). The MDEQ subsequently requested an additional site investigation (SI). A Work Plan for additional investigation was approved by the MDEQ in September 2004 and implemented at the Site in 2005. A SI Report, summarizing the results of the investigation activities to date, was prepared and submitted in May 2006 to the MDEQA preliminary draft RAP for the Site was also prepared in November 2008. Based on comments from MDEQ, GM proposed additional investigation activities which MDEQ approved in 2006. OBG completed the additional site investigation activities in January 2007 and submitted a revised SI report with the additional findings to the MDEQ in February 2007. MDEQ approved the revised SI Report with a few requirements to be addressed in the RAP or closure plan.

Results of the aforementioned investigations, performed by OBG, indicated Substances of Potential Concern (SOPCs) in the Site's subsurface soil SOPCs were defined as constituents which were detected above the MDEQ Generic Commercial Drinking Water (GCDW) Protection criteria. These SOPCs included 1,3-dichlorobenzene, ethylbenzene, methylene chloride, toluene, xylenes, arsenic, barium, and lead.

A quarterly groundwater monitoring program was conducted at the Site for ten years (1995-2004). The groundwater SOPCs, defined as constituents that were detected above the GCDW criteria, included benzene, ethylbenzene, 4-methyl-2-pentanone, toluene, 1,2,4-trimethylbenzene, xylenes, barium, and lead.

As a part of the 2007 OBG Site Investigation activities, a delineation of the extent of impacts was completed, which indicated that the area located on the southwest portion of the Site (near OBG-219) was small enough to make it feasible to remediate via excavation to achieve compliance with the residential standards and that the larger area inside the site fence could remain below the existing cap with the exception of a small area which exceeded the soil to groundwater criteria. An industrial deed restriction was also proposed as part of the final remedy for the site.

A “Phase I Environmental Site Assessment”, Die Storage Lot, northwest corner of Atherton and Saginaw, Flint, Michigan, was prepared by O’Brien & Gere (OBG), dated July 2008. During their assessment, OBG identified several RECs which included the potential impacts from historic filling at the Site, potential impacts from former spills or releases at the Site associated with the die and vehicle storage, the LUST sites located within 0.5 miles of the Site, the railroad that was adjacent to the Site, and the former GM FBA plant located south of the Site beyond W. Atherton Road.

As previously discussed, OBG submitted a RAP for the Site, which was revised in November 2008 but never submitted to the MDEQ according to OBG. The conclusions of the exposure pathway evaluation in the RAP by OBG indicated acceptable exposure conditions would exist at the Site following future implementation of soil excavation in two areas, maintenance of a cap over the landfilled materials and deed restrictions. Protection against potential migration and exposure of SOPCs was proposed to be attained through the following measures:

- Soil remediation
- Maintain the future use of the property consistent with commercial use
- Attainment of applicable closure criteria
- Maintain existing fences and concrete cover, or other suitable exposure barrier to restrict access to the site and site impacts
- Implement Deed restrictions, and
- Implementation of a maintenance plan.

In the RAP, OBG proposed that the impacted soil area surrounding boring OBG-228 which exceeds the generic soil saturation concentration (C_{sat}) should be removed and the contaminated material sent to a special or hazardous waste landfill, as appropriate. This area is isolated to approximately 60 ft by 60 ft in the peat material at depths of approximately 6 to 8 fbg. In addition, OBG proposed the lead impacted soils identified in the area of OBG-219A should be excavated and sent to a Type II landfill or capped to prevent exposure to the material. The OBG-219A area is approximately 20 ft by 20 ft and 2 ft deep. OBG did not propose any additional requirements for groundwater monitoring or financial assurance in the RAP for the Site. OBG proposed the maintenance activities at the Site should include annual inspections of the concrete cover (parking lot surface on the northern portion of the Site) and completion of repairs to the concrete as necessary. OBG proposed that an Operation and Maintenance Plan (O&M Plan) was to be prepared and submitted upon filing of a Declaration of Restrictive Covenant Form. In addition, OBG proposed that the monitoring wells present at the Site should be abandoned by over drilling the existing wells, removing the well casings and backfilling the boring with either granular bentonite or a cement bentonite grout.

A Due Care Plan for the Site was prepared by OBG in February 2009 pursuant to Section 20107a of Part 201 of NREPA, Public Act 451 of 1994, as amended. Under NREPA, owners and/or operations are required to take due care measures to mitigate unacceptable human exposure to hazards that may exist on a property. The due care requirements were designed so contaminated properties could be safely redeveloped. According to this Plan, as long as the current configuration of the property is maintained, there are no known unacceptable exposures from potential contamination to the identified receptors. However, if the ground cover is significantly disturbed (e.g., excavation for expansion or modification of the existing conditions), due care should be exercised in areas of potential contamination to minimize the risk of unacceptable exposures. It was noted that this Plan also included the following statement in the Potential Receptors and Pathways section: "Lead impacts above the residential direct contact criteria exists in a 20 ft by 20 ft area around OBG-219, which is outside of the security fence; therefore, this area will either be removed or capped to eliminate the current and future potential for ingestion and direct dermal contact with the impacted soil thereby eliminating this exposure pathway." The Plan did not mention the need to remediate the soils in the area of OBG-228, as mentioned in the RAP.

Based on ARCADIS's review of the MDNRE list of 201 remediation projects, the current status of the sSite is listed as: "Evaluation Conducted." and not as Remediation Completed.

On May 14, 2009, the MDEQ Remediation and Redevelopment Division recorded a lien on the property in the amount of \$11,082.56. This represents costs incurred by the State as of April 18, 2009.

Based on ARCADIS's review of the previous environmental investigations it appears known or suspect environmental concerns are present at the Site. The environmental concerns identified during the course of this investigation are discussed in detail in Section 7.0.

4.1.2 Historic Map Review

ARCADIS reviewed Sanborn® Fire Insurance (Sanborn) maps provided by Environmental Data Resources (EDR). Fire insurance maps covering the target property were not found.

The Certificate of No Coverage for Sanborn maps is included in Appendix B.

4.1.3 Aerial Photograph Review

ARCADIS reviewed historical aerial photographs provided by EDR for the years 1937, 1941, 1950, 1964, 1972, 1982, 1992, 1997, and 2005.

The 1937 and 1941 aerial photographs show the Site as primarily vacant, with apparent historical filling noted on the northwest portion of the Site (evident by the shape of the scarified land surface). Railroad tracks are present adjacent to the north, east and west of the Site. The surrounding area to the north beyond the railroad tracks and west of the Site appear to be improved with residences. The area to the east beyond South Saginaw Street appears to be improved with commercial buildings. An industrial building is depicted to the south of the Site beyond W. Atherton Road.

The 1950 photograph depicts suspect evidence (e.g. scarified land and mounding) of historical filling activities on the northwest portion of the Site. The Site appears unpaved and the southern portion is covered with vegetation, with several rows of parked automobiles on the southern portion of the Site. Railroad tracks are present adjacent to the north, east, and west of the Site. The surrounding area to the east beyond the railroad tracks and South Saginaw Street appear to be improved with industrial and commercial buildings. An industrial building is depicted to the south of the Site beyond W. Atherton Road. Cleared land is noted on the west adjacent property most likely associated with development/construction activities.

The 1964 aerial photograph depicts the southern half of the Site as an unpaved parking lot with several rows of parked automobiles present. The previously identified filling activities on the northwest corner of the Site are no longer visible. This area of the Site appears to be covered with vegetation. A series of railroad tracks are located north, east and west of the Site. South Saginaw St. adjoins the southeast corner of the Site followed by apparent commercial and industrial buildings. The previously identified industrial plant remains to the south beyond West Atherton Road. A commercial building appears to be present on the west adjoining property.

The 1972 aerial photograph depicts the southern portion of the Site as asphalt paved parking lot with multiple rows of parked automobiles. The northern portion of the Site appears to be unpaved and utilized for small areas of equipment storage. A series of several railroad tracks are present to the north, east and west of the Site. South Saginaw Street is also east of the Site followed by apparent industrial and commercial properties. The previously identified industrial plant remains to the south beyond West Atherton Road. A commercial building appears to be present on the west adjoining property.

The 1982 aerial photograph shows the northwest corner of the Site as paved with what appears to be concrete. Multiple rows of equipment storage are also noted on this portion of the Site. Truck trailer storage is noted on the southwest portion of the Site and the southeast portion of the Site appears to be used as a paved parking lot with several rows of parked automobiles. The surrounding properties appear as depicted similarly to the 1972 aerial photograph.

The 1992 photograph shows the Site as unoccupied. The northern portion of the Site is paved with concrete and asphalt pavement is present on the southern portion of the Site. The railroad tracks located to the north, east and west of the Site appear to have been removed and filled. The surrounding properties to the east beyond South Saginaw Street, to the south and west of the Site are depicted similarly to the 1972 and 1982 aerial photographs.

The 1997 aerial photograph shows the Site utilized as a parking lot with multiple rows of parked automobiles. The surrounding properties appear similar to the 1992 photograph.

The 2005 photograph shows the Site as an unoccupied parking lot. The retention basin is visible in the northwest corner of the Site. A small building is noted on the Site immediately south of the retention basin (former salt storage pile for GLTC according to previous reports). The surrounding properties appear similar to the 1992 and 1997 aerial photographs.

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. To perform a city directory research an address is required. ARCADIS provided the address of the west adjacent church building to EDR for the purposes of performing the city directory research, since the Site has no known address associated with it. EDR reviewed city directories for the years 1912 through 2009 in approximately five-year intervals, as available. EDR's review of the available city directories did not identify the Site. The west adjacent church property (460 West Atherton) was listed in the 1958 through the 2009 directories as Redeemer Lutheran Church and School. Based on the listings for the surrounding properties (address range 405 through 514 W. Atherton Road) it appears as though commercial and residential properties have been present since at least 1926.

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

- 1926: Attenni & Dagastino grocery (405 West Atherton)
- 1931: Sam Dagostino grocery (457 West Atherton) and Redeemer Lutheran Church (502 West Atherton)
- 1936: Nick Renda grocery (457 West Atherton) and Redeemer Lutheran Church (502 West Atherton)
- 1941: William E. Nelson grocery (457 West Atherton) and Redeemer Lutheran Church (502 West Atherton)
- 1945: William E. Nelson grocery (457 West Atherton) and Redeemer Lutheran Church and Redeemer Lutheran School (502 West Atherton)
- 1949: William E. Nelson grocery (457 West Atherton) and Redeemer Lutheran Church and Redeemer Lutheran School (502 West Atherton)
- 1954: William E. Nelson grocery (457 West Atherton) and Redeemer Lutheran Church and Redeemer Lutheran School (508 West Atherton)
- 1958: William E. Nelson grocery and Van Hoorn Ins. Agency (457 West Atherton) and Redeemer Lutheran Church Parish House (508 West Atherton)
- 1963: Exact TV Repair Shop and William E. Nelson grocery (457 West Atherton), Residential (457 ½ West Atherton), and Redeemer Lutheran Church Parish House (508 West Atherton)
- 1968: Nelson's Market (457 West Atherton), Anderson Oil Company (457 ½ West Atherton), and Redeemer Lutheran Church Parish House (508 West Atherton)

- 1973: Nelson's Market (457 West Atherton) and Vacant (457 ½ West Atherton)
- 1978: H&B Market (457 West Atherton), Vacant (457 ½ West Atherton), Auto Workers Flint Federal Credit Union (507 West Atherton), and Action Automotive (514 West Atherton)
- 1983: H&B Market (457 West Atherton), Residential (457 ½ West Atherton), Auto Workers Flint Federal Credit Union (507 West Atherton), and Action Automotive (514 West Atherton)
- 1988: E&J Party Store (457 West Atherton), Residential (457 ½ West Atherton), Auto Workers Flint Federal Credit Union (507 West Atherton), and Action Automotive (514 West Atherton)
- 1995: Vacant (457 West Atherton), Vacant (457 ½ West Atherton), Motor City Co-Op Credit Union (507 West Atherton), and Vacant (514 West Atherton)
- 2000: Motor City Co-Op Credit Union (507 West Atherton)
- 2004: Motor City Co-Op Credit Union and Tall Pine Council Youth Organization (507 West Atherton) and Gas & Go Gas Station (514 West Atherton)
- 2009: Tall Pine Council Youth Organization (507 West Atherton) and Marathon Gas Station (514 West Atherton)

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 1922, 1969, and 1975.

The 1922 topographic maps depict the Site as undeveloped. The Grand Trunk rail road is north and west of the Site. The Marquette rail road is north and east of the Site. The areas to the south and to the east beyond the railroad tracks appear to be undeveloped.

The 1969 and 1975 topographic maps depict the Site as unimproved land. The Grand Trunk rail road is north and west of the Site. The Marquette rail road is north and east of the Site. Buildings are on the properties east of the Site beyond the railroad tracks and South Saginaw Street. An industrial building surrounded by auxiliary buildings is shown on the south adjacent property beyond West Atherton Road. A school building and a church building are on the west adjacent property beyond the railroad tracks.

The EDR Topographic Map report is included in Appendix B.

4.1.6 Building/Planning Departments

ARCADIS looked up property information on the City of Flint website to review available records on file for the Site. A City of Flint property assessment was found for the Site. According to the assessment records, the Site is currently owned by General Motors Corporation. The Site, identified as Parcel ID: 41-19-454-014, is zoned "G" for Heavy Manufacturing District and a full length legal description was provided. The full legal description is in Section 2.1. 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

The earliest available historical record for the Site was the 1922 Topographic Map, which showed the Site as unimproved. A 1923 topographic map of the DSL indicates a ravine was formerly present on the northern and central portion of the DSL. As a result, a portion of the DSL was previously filled (up to approximately 16 feet) to bring this area up to present grade. Based on interviews with GM personnel, who previously worked at the plant, this fill may have included waste materials from the former industrial processes previously performed at the FBA manufacturing plant. GM personnel also indicated the filling of the ravine most likely occurred prior to the 1950's. From at least 1937 through 1950 land filling activities occurred on the northern portion of the Site. As of 1950, filling activities apparently discontinued and a vegetation cap was present on the filling area and the southern portion of the Site was utilized as an unpaved parking lot for the south adjacent former GM FBA plant. The southern portion of the Site was paved between the mid-1960s and early 1970s and continued to be utilized as a parking lot for the south adjacent GM plant. Between the 1970s and the 1980s the northern portion of the Site was covered with concrete and it appears that the GM plant stored equipment and materials on this area of the Site. As of 1992 through the present, the Site has been unoccupied and the only activities that have occurred on-site were those associated with environmental investigations and remediation activities.

Based on ARCADIS's review of the historical records it appears known or suspect environmental concerns were historically present at the Site. The environmental concerns identified during the course of this investigation are discussed in detail in Section 7.0.

4.2 Historical Use Information on Adjoining Properties

A review of select city directories, aerial photographs and topographic maps indicate that the adjoining and surrounding properties have historically been used for a mixture of commercial and industrial purposes including auto manufacturing. The south adjacent property, beyond W. Atherton Road has been industrially developed since 1922. The plant was later purchased by GM who operated the plant until 1987. The south industrial property was sold to a developer in 1989 and was redeveloped for commercial use. GM repurchased the south adjacent property in June 2004 and called the property GLTC. GM resold the property to GLTC, LLC in December 2004. The adjoining property to the west is a church and a school. The adjoining property to the north, east and west has historically been occupied by a railroad track.

Based on ARCADIS's review of the historical records it appears known or suspect environmental concerns were historically associated with the south adjacent property. The environmental concerns identified during the course of this investigation are discussed in detail in Section 7.0.

4.3 Physical Setting

4.3.1 Geology

4.3.1.1 Surface Features

According to the EDR topographic information (H6 Flint South, MI and A6 Flint North, MI Maps), the Site elevation is approximately 760 feet above sea level. Topographically, the Site and surrounding area are relatively flat with a slight slope to the northeast.

4.3.1.2 Subsurface Features

According to the EDR report, the Site was not mapped by the United States Department of Agriculture but soils likely consist of urban fill material. Underlying the surface, shallow, and deeper soils are the Stratified Sequence classified as Paleozoic Era, Pennsylvanian System, and Atokan and Morrowan Series.

According to previous site investigations, the Site geology consists of primarily lacustrine clay and silt deposits with interbedded sandy lenses. A glacial till was observed in some areas under the lacustrine silt and clay layers. The lacustrine silt and clay layers (approximately 1 foot to 5 feet thick) were under an asphalt (approximately 3 inches thick), concrete (approximately 8 inches thick), or gravel pavement layer (approximately 2 feet thick). Fill materials were also found below the surface pavement and consisted of a layer of black cinders or slag like material and fill sand (approximately 1 foot to 16 feet thick).

4.3.2 Hydrology

4.3.2.1 Surface Water

There was no surface water visible at the Site or surrounding properties. Surface water flow in the area is largely controlled by artificial structures along roadways and in paved areas. There was no water observed in the retention basin which was decommissioned in 2005. Storm sewers were observed during the Site reconnaissance at the western and center portions of the Site. Other storm sewers may have been present but were not visible due to the snow.

4.3.2.2 Groundwater

Information regarding the regional hydrogeology of the Site vicinity was obtained from the Geoscheck Addendum to the EDR Radius Map Report and a previous report. One AQUIFLOW® point was identified less than 0.125 mile east of the Site. Two AQUIFLOW® points were identified between 0.125 and 0.25 miles southwest and north/northeast of the Site. One AQUIFLOW® point was identified between 0.25 and 0.5 miles west/southwest of the Site. Six AQUIFLOW® points were identified between 0.5 and 1 mile south/southeast, west/southwest, southeast, and north/northwest of the Site. Groundwater flow direction was indicated as northeast on the EDR Physical Setting Source Map.

According to previous Site investigations, the groundwater flows in a converging pattern across the Site toward the north. Groundwater was observed between the depths of 5 feet and 15 feet below grade.

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	No	0	0	0	0	NR
Proposed NPL	1 mile	No	0	0	0	0	NR
NPL LIENS (Federal Superfund Liens)	Site	No	NR	NR	NR	NR	NR
Delisted NPL	1 mile	No	0	0	0	0	NR
CERCLIS (Comprehensive Environmental Response, Compensation, and Liability Information System)	0.50 mile	No	0	0	0	NR	NR
FEDERAL FACILITY	1 mile	No	0	0	0	0	NR
CERCLIS-NFRAP (No Further Remedial Action Planned)	0.50 mile	No	0	0	1	NR	NR
RCRA CORRACTS (Corrective Action Report)	1 mile	No	0	0	1	0	NR
RCRA TSDF (Transporters, Storage, and Disposal Facilities)	0.50 mile	No	0	0	1	NR	NR
RCRA Generators	0.25 mile	No	1	1	NR	NR	NR
ERNS (Emergency Response Notification System)	Site	No	NR	NR	NR	NR	NR
SHWS (Contaminated Sites)	1 mile	Yes	0	1	1	2	NR
State & Tribal SWF/LF (Solid Waste Facilities Database)	0.50 mile	No	0	0	0	NR	NR
State & Tribal LUST (Leaking Underground Storage Tank Sites)	0.50 mile	No	1	2	8	NR	NR
State & Tribal USTs (Underground Storage Tanks)	0.25 mile	No	1	4	NR	NR	NR
State ASTs (Aboveground Storage Tanks)	0.25 mile	No	1	1	NR	NR	NR
State & TRIBAL BROWNFIELDS	0.50 mile	No	0	1	0	NR	NR
US BROWNFIELDS	0.50 mile	No	0	0	0	NR	NR
HIST LF (Inactive Solid Waste Facilities)	0.50 mile	No	0	0	0	NR	NR
US CDL (Clandestine Drug Labs)	Site	No	NR	NR	NR	NR	NR
DEL SHWS (Delisted List of Contaminated Sites)	1 mile	No	0	0	0	0	NR
DRYCLEANERS (Dry-cleaning Establishment)	0.25 mile	No	0	0	NR	NR	NR
NPDES (Active National Pollutant Discharge Elimination System)	Site	No	NR	NR	NR	NR	NR
AIRS (Permit and Emissions Inventory Data)	Site	No	NR	NR	NR	NR	NR
BEA (Baseline Environmental Assessment Database)	0.50 mile	No	2	1	3	NR	NR

4.4.1 Site

The Site was identified on the following federal and/or state regulatory databases searched by EDR: State Hazardous Waste Site (SHWS).

The GM Die Storage Lot (the Site) is listed at South Saginaw and Atherton in Flint, Michigan. The SHWS records are the states' equivalent to CERCLIS. Priority sites planned for cleanup using state funds are identified along with sites where cleanup will be paid for by potentially responsible parties.

4.4.2 Federal Environmental Record Sources

Based on review of the EDR database report, 36 mapped facilities were identified within one mile of the Site as listed on federal and/or state regulatory databases. The following is a summary of the mapped properties identified within 1/8-mile of the Site:

Entity Listed / Address	Approximate Location Relative to Site	Database	Comments / Status of Listing
Great Lakes Technology Center 4100 S. Saginaw St., Flint, Michigan	South adjacent property beyond W. Atherton Rd.	LUST UST	- Facility ID 00032907. Leak Number C-0623-99. A release of an unknown substance occurred on June 28, 1999. The case was reported closed on February 10, 2000. - Two 6,000-gallon gasoline USTs were installed on September 12, 1989 and removed from the ground on June 15, 1999. One 12,000-gallon gasoline UST was installed on September 12, 1989 and removed from the ground on June 15, 1999.
GMC Fisher Body Div Flint Plant 4300 S. Saginaw St. , Flint, Michigan	South adjacent property beyond W. Atherton Rd.	RCRA-TSDF CERC-NFRAP CORRACTS RCRA-SQG FINDS LUST UST Manifest	- EPA ID number MID005356738. - Site ID: 0507421 - Action: CA225IN, CA070NO, CA075ME, CA050, CA070YE, and CA075LO - A small quantity generator of hazardous waste. - RCRA information system. - Facility ID 00007501. Leak Number C-0044-89, C-0102-85, and C-0103-85. A release of an unknown substance occurred on January 31, 1989, November 30, 1987, and April 12, 1988. It is not reported if the cases were closed.

Entity Listed / Address	Approximate Location Relative to Site	Database	Comments / Status of Listing
			- Three 50,000-gallon #6 fuel oil USTs were installed on March 18, 1970 and removed from the ground on July 30, 1990. One 5,000-gallon gasoline UST was installed on March 18, 1970 and removed from the ground on July 30, 1990. One 15,000-gallon diesel UST was installed on March 18, 1970 and removed from the ground on July 30, 1990. - Waste code D001 – Non-listed ignitable wastes
Great Lakes Plaza 3725 S. Saginaw St., Flint, MI	555 feet east (beyond S. Saginaw Street)	BEA	BEA Number: 26. A Category No Hazardous Substance(s) was submitted by Road Town Properties, L.L.C. on 2/14/1996. The Petition Determination is Affirmed.
3725 South Saginaw Street	555 feet east (beyond S. Saginaw Street)	BEA	BEA Number: 584. A Category Different Hazardous Substance(s) was submitted by Madric Enterprises, LLC on 11/6/2001. The Petition Determination is No Request.
Marathon (Former) 3725 S Saginaw, Flint, MI	555 feet east (beyond S. Saginaw Street)	LUST	Facility ID 50001705. Leak Number C-1279-85. A release of an unknown substance occurred on June 6, 1989. It is not reported if the case was closed.
Rupp Oil Co 3638 S Saginaw Street, Flint, MI	571 feet east/northeast (beyond S. Saginaw Street)	RCRA-NonGen FINDS	- EPA ID MID000722298. The facility does not generate hazardous waste. No TSDF activities or violations are reported. - RCRA information system.
Rupp Oil Co Inc. 3638 S Saginaw Street, Flint, MI	571 feet east/northeast (beyond S. Saginaw Street)	AST	Facility ID: 91025021. Four 20,000-gallon Flammable Liquid ASTs were installed on an unknown date and closed on March 10, 1994. Three 15,000-gallon Flammable Liquid ASTs were installed on an unknown date and closed on March 10, 1994. One 15,000-gallon Flammable Liquid AST was installed on October 14, 1983 and closed on March 10, 1994. Six 20,000-gallon Flammable Liquid ASTs were installed on October 18, 1983 and closed on March 10, 1994.

Entity Listed / Address	Approximate Location Relative to Site	Database	Comments / Status of Listing
Applegate Chevrolet Co. 3637 S Saginaw St., Flint, MI	573 feet east/northeast (beyond S. Saginaw Street)	RCRA-SQG FINDS UST	- EPA ID: MID006959258. A small quantity generator of hazardous waste. No TSD activities or violations are reported. - RCRA information system - Facility ID: 00002756. One 2,000-gallon used oil UST was installed on January 1, 1970 and removed from the ground on May 22, 1991. One 20,000-gallon gasoline UST was installed on January 1, 1970 and removed from the ground on May 22, 1991.

Based on the inferred groundwater gradient at the Site, to the northeast, it appears none of the identified properties on the federal and/or state regulatory databases within 1/8 of mile represent an environmental concern except for the south adjacent former GM FBA property which is located up/cross gradient of the Site. Therefore, based on ARCADIS's review of the EDR Radius Map report it appears known or suspect environmental concerns are present associated with the south adjacent property. The environmental concerns identified during the course of this investigation are discussed in detail in Section 7.0.

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. The 32 facilities listed in the Orphan summary do not appear to be 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 submitted a Freedom of Information Act (FOIA) request to the City of Flint Fire Department on January 14, 2010. The Fire Department had not responded to the request as of the date of this report. Pertinent information received by this department will be incorporated into an addendum to this report.

4.5.2 Health Department

ARCADIS contacted the Genesee County Health Department. No information has been received regarding the Site as of the date of this report. Pertinent information received by this department will be incorporated into an addendum to this report.

4.5.3 Michigan Department of Environmental Quality

ARCADIS submitted a FOIA request on January 14, 2010 to the MDEQ (now known as MDNRE) to obtain all available records regarding LUST, UST, and Part 201 documents for the Site. The MDEQ (now known as MDNRE) responded on January 28, 2010 and stated that they had documents within the Remediation Department. The following files were reviewed on February 3, 2010:

- Remedial Action Plan for a Limited Industrial Closure dated November 2002;
- Miscellaneous Environmental Documents dated January 1989 through January 2003;
- Notice of Migration of Contamination dated September 22, 2003;
- Work Plan dated August 2004;
- Groundwater Monitoring Reports dated January 2003 through August 2005;
- Correspondence Regarding Site Investigations dated December 2002 through May 2007;
- Site Investigation Report dated May 18, 2006;
- GM Die Storage Lot Meeting Notes dated August 2008 and October 2008;
- Purchase and Sale Agreement and Remedial Action Plan Correspondence dated March 30, 2009; and
- Lien Placement dated May 28, 2009.

Additionally, ARCADIS searched the MDEQ (now known as MDNRE) - Underground and Leaking Underground Storage Tank and the Waste and Hazardous Materials Division databases on the Internet. The Site is not listed on any of databases.

5.0 SITE RECONNAISSANCE

5.1 Methodology and Limiting Conditions

Ms. Moriah Bloom and Ms. Elizabeth Marsh of ARCADIS (ARCADIS-US, Inc.) visited the Site on January 11, 2010 on behalf of ARCADIS. The weather at the time of ARCADIS's investigation was cloudy with light snow, with a temperature of approximately 22 degrees Fahrenheit. Ms. Bloom and Ms. Marsh were unaccompanied during the site reconnaissance activities.

ARCADIS had no access limitation to the Site, however, visual inspection limitation were encountered during the reconnaissance activities since approximately 12 inches of snow was present on the ground at the Site.

5.2 Current Site Use

The Site is currently an unoccupied paved parking lot. There are no buildings at the Site.

5.3 Site Observations

5.3.1 Underground Storage Tanks (USTs)

ARCADIS did not observe fill pipes or vent pipes on the Site. No prior history of USTs being located at the Site was identified.

5.3.2 Aboveground Storage Tanks (ASTs)

ARCADIS did not observe evidence of ASTs at the Site. No prior history of ASTs being located at the Site was identified.

5.3.3 Hazardous Substance and Petroleum Use

ARCADIS did not observe hazardous substances or petroleum products being used or stored at the Site. However, according to historical references and previous reports, the Site was used as a landfill from the 1930s through 1950s prior to GM's use of the area as a parking lot. From the 1960s through the 1980s, GM used the site as a die storage lot and a parking lot. The dies formerly stored on the lot may have contained oil residue which could have adversely impacted the Site. ARCADIS was unable to identify any evidence of staining and/or leakage associated with the former on-site die storage, however due to snow coverage the ground surface conditions were not visible.

5.3.4 Unlabeled Drums/Containers

ARCADIS did not observe any unlabeled drums/containers, except for one sealed, labeled non-hazardous 55-gallon drum located in the north-central area of the Site. According to the previous Phase I this drum contains waste associated with soil boring samples taken at the Site by O'Brien & Gere.

5.3.5 Stained Soil or Pavement

ARCADIS did not observe stained soil or pavement at the Site. ARCADIS was unable to see the soil or pavement due to the snow accumulation.

5.3.6 Stains or Corrosion

ARCADIS did not observe stains or corrosion at the Site. ARCADIS was unable to see the ground due to the snow accumulation.

5.3.7 Stressed Vegetation

ARCADIS did not observe evidence of stressed vegetation at the Site. ARCADIS was unable to see the ground due to the snow accumulation.

5.3.8 Polychlorinated Biphenyls (PCBs)

ARCADIS did not observe any electric transformers on the Site. Electrical boxes were located on the southwest corner of the Site and in the northwest corner of the site by the retention basin.

5.3.9 Solid Waste/Dumping

ARCADIS observed some concrete and gravel piles on the northwest side of the site.

5.3.10 Site Drainage

ARCADIS observed three storm water catch basins at the Site. There may have been other storm water catch basins that could not be seen due to the snow accumulation.

5.3.11 Pits, Ponds, Lagoons and Pools of Liquid

ARCADIS did not observe pits, ponds, lagoons or pools of liquid on the Site. There was a concrete-lined retention basin in the northwest corner of the Site. The retention basin was decommissioned and closed in 2005 according to the previous Phase I by O'Brien & Gere. The retention basin was used to capture precipitation and remove any oil with an oil/water separator. Oil may have entered stormwater from the dies stored on the lot; however, no evidence of staining was observed in the retention basin.

5.3.12 Wastewater

ARCADIS did not observe processes at the Site that generated wastewater.

5.3.13 Wells

ARCADIS observed 8 monitoring wells at the Site and 2 off-Site monitoring wells. ARCADIS did not observe dry wells, irrigation wells, injection wells, or abandoned wells at the Site.

5.3.14 Septic Systems

ARCADIS did not observe evidence of septic systems or cesspools at the Site.

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 contacted Mr. Bob Hare, MLC Project Manager regarding Site information. Mr. Hare indicated Mr. Clifford Yantz, O'Brien & Gere Project Associate, could respond on behalf of MLC. Information provided by Mr. Clifford Yantz is presented throughout the report.

6.2 Site Occupants

The Site is currently an unused parking lot and not occupied.

6.3 Interviews with Local Regulatory Agencies

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

6.4 Interviews with Others

No additional interviews were conducted as part of this 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

This assessment has revealed the following recognized environmental conditions (RECs) associated with the Site:

- The presence of fill materials due to landfilling of waste materials from the FBA plant and other unknown materials which occurred on the Site from at least 1937 through 1950.
- Impacts to groundwater and soils identified on the Site. The subsurface impact included the following constituents: arsenic, barium, lead, and volatile organic compounds (VOCs) which are likely related to the historic landfilling activities on the Site.
- Based on information obtained from OBG, The following actions are recommended on the Site to protect against potential migration and exposure of SOPCs:
 - Soil remediation
 - Maintain the future use of the property consistent with commercial use
 - Attainment of applicable closure criteria
 - Maintain existing fences and concrete cover, or other suitable exposure barrier to restrict access to the site and site impacts
 - Implement Deed restrictions, and
 - Implementation of a maintenance plan.
- A lien was placed on the property by the MDEQ Remediation and Redevelopment Division.
- Railroad tracks formerly located adjacent to the north, east and west sides of the Site. Various unknown materials were transported on the tracks and potential impacts from releases are unknown. In addition, railroad ties were typically preserved with creosote, which over time has the potential for impacting the surrounding surfaces.

- The south adjacent property, beyond W. Atherton Road, has operated as an industrial facility from 1922 through 2000s. This property, referred to as GLTC, was formerly owned and operated by GM. According to the EDR reports, several on-going environment investigations are occurring at the Site that involved both MDEQ and EPA oversight including a LUST investigation, CERCLA and CORRACTs related activities. Based on the up/cross gradient position and the distance of the former GM GLTC property to the Site, there is a potential for the Site to have been adversely impacted by activities occurring on the south adjacent property.

7.2 Historical Recognized Environmental Conditions

This assessment did not reveal any historical RECs (HRECs) associated with the Site.

7.3 De Minimis Conditions

ARCADIS did not identify any *de minimis* environmental conditions at the Site, except for the following:

- ARCADIS observed one sealed, labeled non-hazardous 55-gallon drum located in the north-central area of the Site. According to the previous Phase I, this drum contains waste associated with soil boring samples taken at the Site by O'Brien & Gere.

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 the northwest corner of W. Atherton Road and S. Saginaw Street, City of Flint (Genesee 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:

- The presence of fill materials due to landfilling activities which occurred on the Site from at least 1937 through 1950 which included waste materials from the FBA plant.
- Impacts to groundwater and soils identified on the Site. The subsurface impact included the following constituents: arsenic, barium, lead, and volatile organic compounds (VOCs) which are likely related to the historic landfilling activities on the Site.

- The RAP for the Site recommended the completion of two soil remedial actions which have not been completed on the Site. This includes an area of surface soils impacted with lead located outside the fence around the paved area of the Site.
- A lien placed on the property by the MDEQ Remediation and Redevelopment Division recorded in the amount of \$11,082.56.
- The south adjacent property, beyond W. Atherton Road, has operated as an industrial facility from 1922 through 2000s. This property, referred to as GLTC, was formerly owned and operated by GM. According to the EDR reports several on-going environmental investigations are occurring at the property that involved both MDEQ and EPA oversight including a LUST investigation, RCRA generator related activities. Based on the up/cross gradient position and the distance of the GLTC property to the Site, there is a potential for the Site to have been adversely impacted by activities occurring on the south adjacent property.

9.0 DEVIATIONS/DATA GAPS

ARCADIS did not identify any deviations or data gaps. During the Site visit the entire Site was covered by approximately 10 to 12 inches of snow and therefore ARCADIS visual observations of the property surfaces were limited.

10.0 ADDITIONAL SERVICES

ARCADIS was told by MLC to cut the locks in order to enter the Site. The existing locks were compromised and replaced with a new lock. The keys were mailed to Sam Solomon at MLC.

11.0 SIGNATURE OF ENVIRONMENTAL PROFESSIONAL

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



Douglas M. Lindsay, PG, LSP
Senior Geologist



for:

Moriah Bloom
Environmental Specialist

12.0 REFERENCES

City

- City of Flint Parcel/Real Property LookUp (<http://taxes.cityofflint.com/search.asp>)

State of Michigan

- Michigan Department of Environmental Quality
(<http://www.michigan.gov/deq/0,1607,7-135--58024--,00.html>)

Reports, Plans and Other Documents Reviewed:

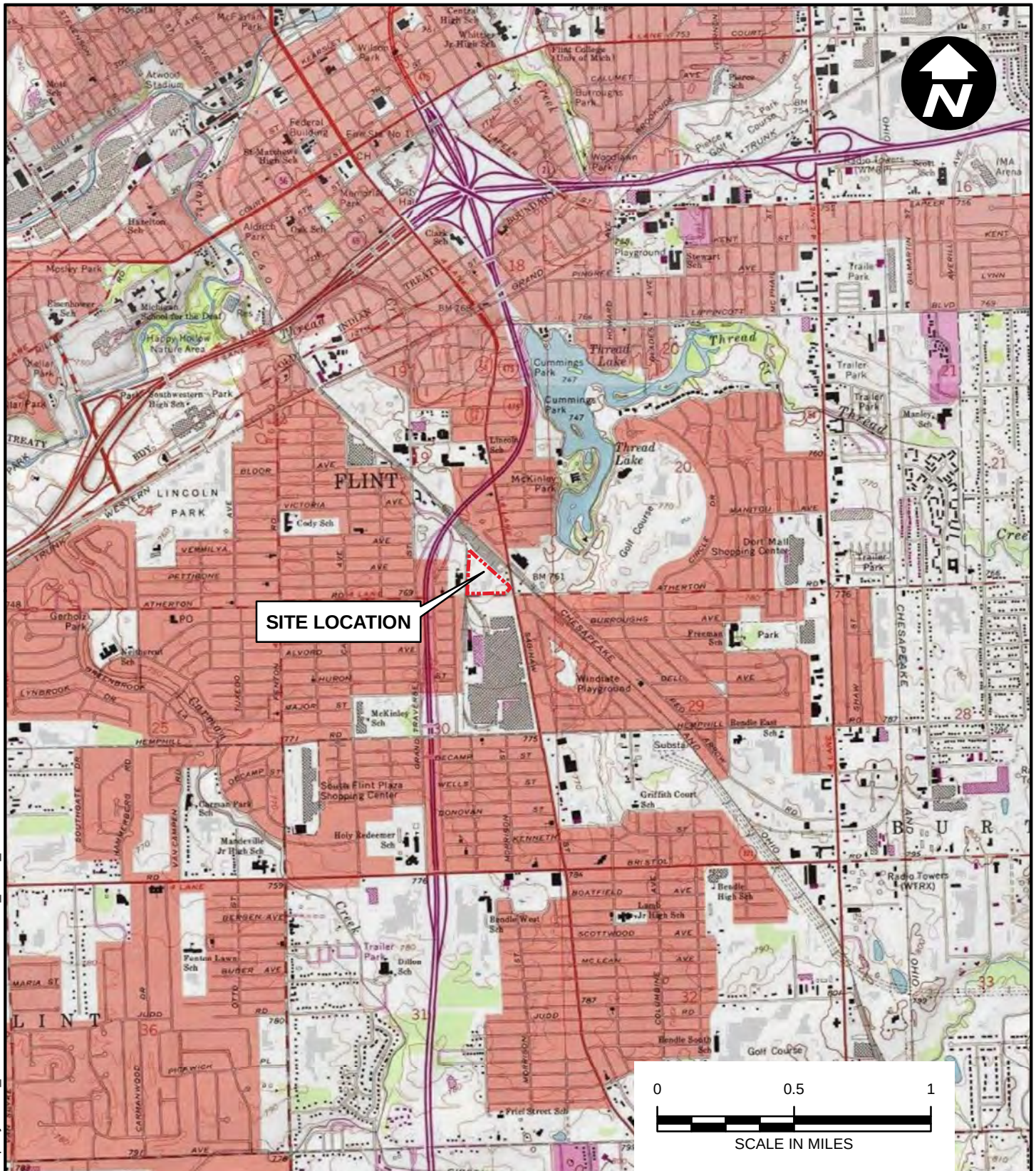
EDR:

- The EDR Aerial Photo Decade Package, Inquiry Number 2671613.5, January 6, 2010, NWC of Atherton and Saginaw, Flint, Michigan 48507.
- The EDR Radius Map with GeoCheck, Inquiry Number 2671613.2s, January 5, 2010, NWC of Atherton and Saginaw, Flint, Michigan 48507.
- The EDR Sanborn Map Report, Inquiry Number 2671613.3, January 5, 2010, NWC of Atherton and Saginaw, Flint, Michigan 48507.
- The EDR Topographic Map Report, Inquiry Number 2671613.4, January 6, 2010, NWC of Atherton and Saginaw, Flint, Michigan 48507.
- The EDR City Directory Abstract, Inquiry Number 2671613.6, January 14, 2010, 460 West Atherton, Flint, Michigan 48507.

Previous Environmental Reports Reviewed:

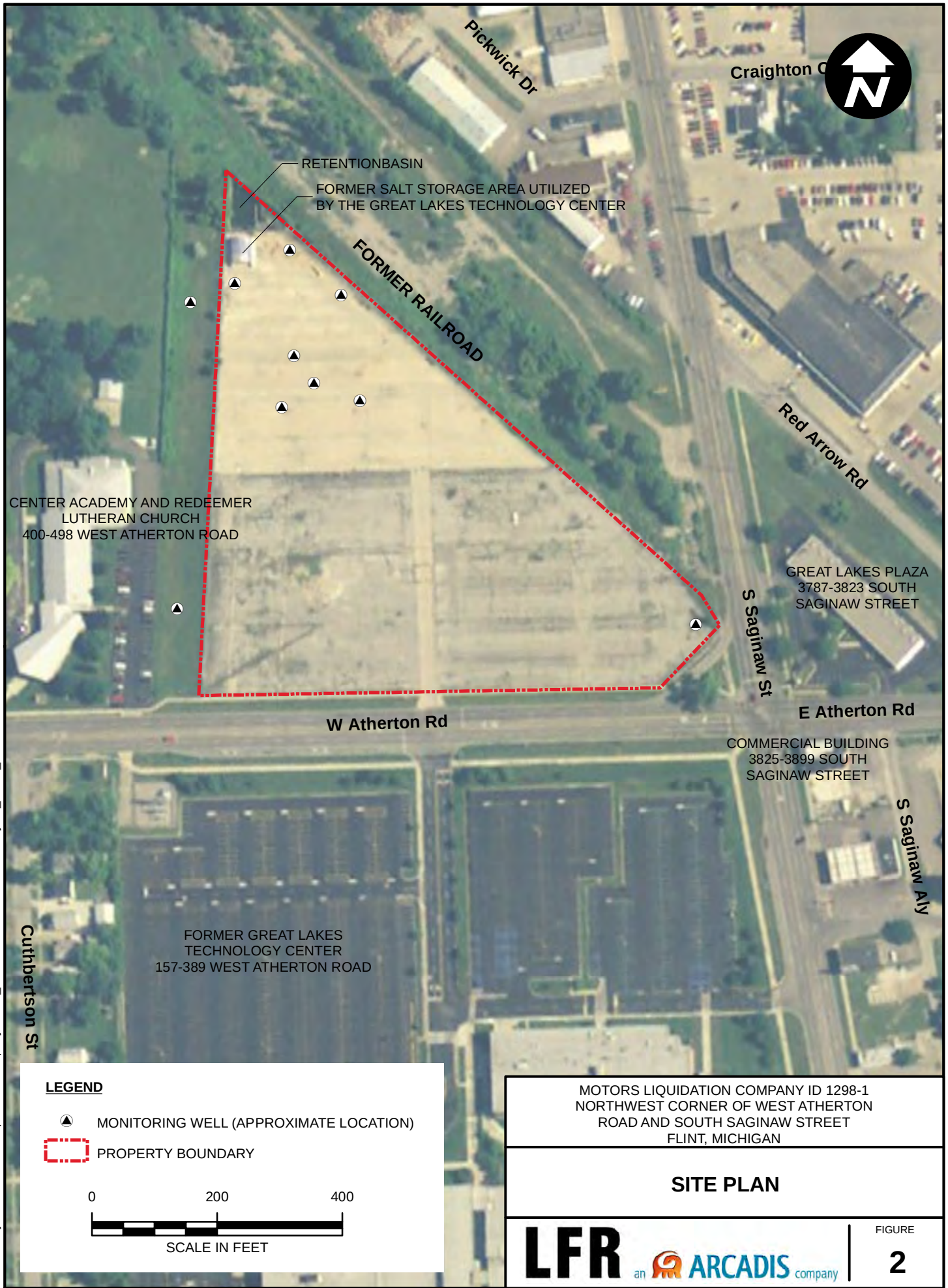
- Hemp Hill Geology, Boring Logs and Cross Sections, O'Brien and Gere, dated February 26, 2003.
- Amendment to Investigation Report, O'Brien and Gere, dated March 13, 2007.
- Phase I Environmental Site Assessment, O'Brien and Gere, dated July 2008.
- Remedial Action Plan for a Limited Commercial Closure, O'Brien and Gere, dated November 2008.
- Due Care Plan, O'Brien and Gere, dated February 2009.
- Remediation Cost Estimate Summary, ARCADIS, dated October 27, 2009.

FIGURES



MOTORS LIQUIDATION COMPANY ID 1298-1
NORTHWEST CORNER OF WEST ATHERTON
ROAD AND SOUTH SAGINAW STREET
FLINT, MICHIGAN

SITE VICINITY MAP



APPENDIX A

User Questionnaire



ENVIRONMENTAL MANAGEMENT & CONSULTING ENGINEERING

Phase I Environmental Site Assessment Questionnaire

(User Provided Information Questionnaire)

Date: January 13, 2010

Site Name: GLTC Flint Land (a.k.a., DSL)

Your Name: Clifford S. Yantz

Site Location: Flint, Michigan

Your Title: Project Associate - O'Brien & Gere

Relationship to Site: ☐ Owner ☐ Occupant ☐ Purchaser ☒ Other (consultant for GM/MLC)

Length of Time Associated with Site: 4.6 years

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: Have been supporting environmental consulting needs for GM and MLC on DSL property since 2005.

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: See answer to #3.

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: See answer to #3. In general, metals (lead and arsenic in particular) and VOCs (BETX compounds in particular).

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: Not directly, but site impacts indicate the possibility of spills or releases historically.

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

☒ Yes ☐ No ☐ Unknown ☐ N/A

If Yes, please explain: The concrete retention basin located at the northern tip of the site, which included an oil/water separator system was decommissioned in 2005.



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: Site is a facility under Part 201.

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: Impacts exceeding the Part 201 cleanup criteria exist at the site.



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

GLTC Land

NWC of Atherton and Saginaw
Flint, MI 48507

Inquiry Number: 2671613.5
January 06, 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.

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

Disclaimer - Copyright and Trademark Notice

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

Copyright 2010 by Environmental Data Resources, Inc. All rights reserved. Reproduction in any media or format, in whole or in part, of any report or map of Environmental Data Resources, Inc., or its affiliates, is prohibited without prior written permission.

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

Date EDR Searched Historical Sources:

Aerial Photography January 06, 2010

Target Property:

NWC of Atherton and Saginaw

Flint, MI 48507

<u>Year</u>	<u>Scale</u>	<u>Details</u>	<u>Source</u>
1937	Aerial Photograph. Scale: 1"=500'	Flight Year: 1937 Best Copy Available from original source	AAA
1941	Aerial Photograph. Scale: 1"=500'	Flight Year: 1941	AAA
1950	Aerial Photograph. Scale: 1"=500'	Flight Year: 1950	PMA
1964	Aerial Photograph. Scale: 1"=500'	Flight Year: 1964	ASCS
1972	Aerial Photograph. Scale: 1"=600'	Flight Year: 1972	ASCS
1982	Aerial Photograph. Scale: 1"=600'	Flight Year: 1982	ASCS
1992	Aerial Photograph. Scale: unknown	Flight Year: 1992	FSA
1997	Aerial Photograph. Scale: unknown	Flight Year: 1997 Best Copy Available from original source	FSA
2005	Aerial Photograph. 1" = 604'	Flight Year: 2005	EDR



INQUIRY #: 2671613.5

YEAR: 1937

| = 500'





INQUIRY #: 2671613.5

YEAR: 1941

| = 500'





INQUIRY #: 2671613.5

YEAR: 1950

| = 500'





INQUIRY #: 2671613.5

YEAR: 1964

| = 500'





INQUIRY #: 2671613.5

YEAR: 1972

| = 600'





INQUIRY #: 2671613.5

YEAR: 1982

| = 600'





INQUIRY #: 2671613.5

YEAR: 1992

— = unknown





INQUIRY #: 2671613.5

YEAR: 1997

— = unknown





INQUIRY #: 2671613.5

YEAR: 2005

| = 604'



Sanborn Maps

GLTC Land

NWC of Atherton and Saginaw
Flint, MI 48507

Inquiry Number: 2671613.3
January 05, 2010

Certified Sanborn® Map Report

Certified Sanborn® Map Report

1/05/10

Site Name:

GLTC Land
NWC of Atherton and Saginaw
Flint, MI 48507

Client Name:

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



Environmental Data Resources Inc

EDR Inquiry # 2671613.3

Contact: Moriah Boom

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: GLTC Land
Address: NWC of Atherton and Saginaw
City, State, Zip: Flint, MI 48507
Cross Street:
P.O. # LFR Phase I of GLTC
Project: CO000LFR.000S.0
Certification # 5105-4BA3-B4F5



Sanborn® Library search results
Certification # 5105-4BA3-B4F5

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

Limited Permission To Make Copies

ARCADIS U.S., Inc. (the client) is permitted to make up to THREE photocopies of this Sanborn Map transmittal and each fire insurance map accompanying this report solely for the limited use of its customer. No one other than the client is authorized to make copies. Upon request made directly to an EDR Account Executive, the client may be permitted to make a limited number of additional photocopies. This permission is conditioned upon compliance by the client, its customer and their agents with EDR's copyright policy; a copy of which is available upon request.

Disclaimer - Copyright and Trademark notice

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

Copyright 2010 by Environmental Data Resources, Inc. All rights reserved. Reproduction in any media or format, in whole or in part, of any report or map of Environmental Data Resources, Inc., or its affiliates, is prohibited without prior written permission.

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

City Directory Abstract

GLTC Land

460 West Atherton
Flint, MI 48507

Inquiry Number: 2671613.6
January 14, 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.

Disclaimer - Copyright and Trademark Notice

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

Copyright 2009 by Environmental Data Resources, Inc. All rights reserved. Reproduction in any media or format, in whole or in part, of any report or map of Environmental Data Resources, Inc. or its affiliates is prohibited without prior written permission.

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

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	Polk's City Directory	X	X	X	-
2004	Polk's City Directory	X	X	X	-
2000	Polk's City Directory	X	X	X	-
1995	Polk's City Directory	X	X	X	-
1988	Polk's City Directory	X	X	X	-
1983	Polk's City Directory	X	X	X	-
1978	Polk's City Directory	X	X	X	-
1973	Polk's City Directory	X	X	X	-
1968	Polk's City Directory	X	X	X	-
1963	Polk's City Directory	X	X	X	-
1958	Polk's City Directory	X	X	X	-
1954	Polk's City Directory	-	X	X	-
1949	Polk's City Directory	-	X	X	-
1945	Polk's City Directory	-	X	X	-
1941	Polk's City Directory	-	X	X	-
1936	Polk's City Directory	-	X	X	-
1931	Polk's City Directory	-	X	X	-
1926	Polk's City Directory	-	X	X	-
1921	Polk's City Directory	-	-	-	-
1916	Polk's City Directory	-	-	-	-
1912	Polk's City Directory	-	-	-	-

FINDINGS

TARGET PROPERTY INFORMATION

ADDRESS

460 West Atherton
Flint, MI 48507

FINDINGS DETAIL

Target Property research detail.

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2009	Redeemer Lutheran Church	Polk's City Directory
2004	Redeemer Lutheran Church	Polk's City Directory
2000	Redeemer Lutheran School	Polk's City Directory
1995	Redeemer Lutheran Church	Polk's City Directory
	Redeemer Lutheran School	Polk's City Directory
1988	Redeemer Lutheran Church	Polk's City Directory
	Redeemer Lutheran School	Polk's City Directory
1983	Redeemer Lutheran Church	Polk's City Directory
	Redeemer Lutheran School	Polk's City Directory
1978	Redeemer Lutheran Church	Polk's City Directory
	Redeemer Lutheran School	Polk's City Directory
1973	Redeemer Lutheran Church	Polk's City Directory
	Redeemer Lutheran School	Polk's City Directory
1968	Redeemer Lutheran Church	Polk's City Directory
	Redeemer Lutheran School	Polk's City Directory
1963	Redeemer Lutheran Church	Polk's City Directory
	Redeemer Lutheran School	Polk's City Directory
1958	Redeemer Lutheran Church	Polk's City Directory
	Redeemer Lutheran School	Polk's City Directory

FINDINGS

ADJOINING PROPERTY DETAIL

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

West Atherton

West Atherton

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2009	-No Addresses Listed Before 460 West Atherton	Polk's City Directory
	-No Other Addresses Listed 400-500 Block West Atherton	Polk's City Directory
2004	-No Addresses Listed Before 460 West Atherton	Polk's City Directory
	-No Other Addresses Listed 400-500 Block West Atherton	Polk's City Directory
2000	-No Addresses Listed Before 460 West Atherton	Polk's City Directory
	-No Other Addresses Listed 400-500 Block West Atherton	Polk's City Directory
1995	-No Addresses Listed Before 457 West Atherton	Polk's City Directory
	-No Other Addresses Listed 400-500 Block West Atherton	Polk's City Directory
1988	-No Addresses Listed Before 457 West Atherton	Polk's City Directory
	-No Other Addresses Listed 400-500 Block West Atherton	Polk's City Directory
1983	-No Addresses Listed Before 457 West Atherton	Polk's City Directory
	-No Other Addresses Listed 400-500 Block West Atherton	Polk's City Directory
1978	-No Addresses Listed Before 457 West Atherton	Polk's City Directory
	-No Other Addresses Listed 400-500 Block West Atherton	Polk's City Directory
1973	-No Addresses Listed Before 457 West Atherton	Polk's City Directory
	-No Other Addresses Listed 400-500 Block West Atherton	Polk's City Directory
1968	-No Addresses Listed Before 457 West Atherton	Polk's City Directory
1963	-No Addresses Listed Before 457 West Atherton	Polk's City Directory
1958	-No Addresses Listed Before 457 West Atherton	Polk's City Directory

FINDINGS

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1954	-No Addresses Listed Before 457 West Atherton	Polk's City Directory
1949	-No Addresses Listed Before 457 West Atherton	Polk's City Directory
1945	-No Addresses Listed Before 457 West Atherton	Polk's City Directory
1941	-No Addresses Listed Before 457 West Atherton	Polk's City Directory
1936	-No Addresses Listed Before 457 West Atherton	Polk's City Directory
1931	-No Addresses Listed Before 457 West Atherton	Polk's City Directory
1926	-No Addresses Listed Before 405 West Atherton	Polk's City Directory

405 West Atherton

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1926	Attenni & Dagastino (gros.)	Polk's City Directory

457 West Atherton

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1995	Vacant	Polk's City Directory
1988	E & J Party Store	Polk's City Directory
1983	H & B Market	Polk's City Directory
1978	H & B Market	Polk's City Directory
1973	Nelson's Market	Polk's City Directory
1968	Nelson's Market	Polk's City Directory
1963	Exact TV Repair Shop	Polk's City Directory
	William E. Nelson (gros.)	Polk's City Directory
1958	Van Hoorn Ins. Agency	Polk's City Directory
	William E. Nelson (gros.)	Polk's City Directory
1954	William E. Nelson (gros.)	Polk's City Directory
1949	William E. Nelson (gros.)	Polk's City Directory
1945	William E. Nelson (gros.)	Polk's City Directory
1941	William E. Nelson (gros.)	Polk's City Directory
1936	Nick Renda (gros.)	Polk's City Directory
1931	Sam Dagostino (gros.)	Polk's City Directory

457 1/2 West Atherton

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1995	Vacant	Polk's City Directory
1988	Residential	Polk's City Directory

FINDINGS

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1983	Residential	Polk's City Directory
1978	Vacant	Polk's City Directory
1973	Vacant	Polk's City Directory
1968	Anderson Oil Co. (fuel oil)	Polk's City Directory
1963	Residential	Polk's City Directory

502 West Atherton

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1949	Redeemer Lutheran Church	Polk's City Directory
	Redeemer Lutheran School	Polk's City Directory
1945	Redeemer Lutheran Church	Polk's City Directory
	Redeemer Lutheran School	Polk's City Directory
1941	Redeemer Lutheran Church	Polk's City Directory
1936	Redeemer Lutheran Church	Polk's City Directory
1931	Redeemer Lutheran Church	Polk's City Directory

507 West Atherton

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2009	Tall Pine Council (youth org.)	Polk's City Directory
2004	Motor City Co-Op Credit Union (credit union)	Polk's City Directory
	Tall Pine Council (youth org.)	Polk's City Directory
2000	Motor City Co-Op Credit Union (credit union)	Polk's City Directory
1995	Motor City Co-Op Credit Union (credit union)	Polk's City Directory
1988	Auto Workers Flint Federal Credit Union	Polk's City Directory
1983	Auto Workers Flint Federal Credit Union	Polk's City Directory
1978	Auto Workers Flint Federal Credit Union	Polk's City Directory

508 West Atherton

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1968	Redeemer Lutheran Church (parish house)	Polk's City Directory
1963	Redeemer Lutheran Church (parish house)	Polk's City Directory
1958	Redeemer Lutheran Church (parish house)	Polk's City Directory
1954	Redeemer Lutheran Church	Polk's City Directory
	Redeemer Lutheran School	Polk's City Directory

FINDINGS

514 West Atherton

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2009	Marathon (gas station)	Polk's City Directory
2004	Gas & Go (gas station)	Polk's City Directory
1995	Vacant	Polk's City Directory
1988	Action Automotive (auto parts-new)	Polk's City Directory
1983	Action Automotive (auto parts-new)	Polk's City Directory
1978	Action Automotive (auto parts-new)	Polk's City Directory

FINDINGS

STREET NOT LISTED IN RESEARCH SOURCE

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

Street Researched

West Atherton

Street Not Listed in Research Source

1921, 1916, 1912

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

460 West Atherton

Address Not Listed in Research Source

1954, 1949, 1945, 1941, 1936, 1931, 1926

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

457 1/2 West Atherton

457 West Atherton

502 West Atherton

507 West Atherton

508 West Atherton

514 West Atherton

Address Not Listed in Research Source

1958, 1954, 1949, 1945, 1941, 1936, 1931, 1926

1926

1926

1973, 1968, 1963, 1958, 1954, 1949, 1945, 1941, 1936, 1931, 1926

1949, 1945, 1941, 1936, 1931, 1926

2000, 1973, 1968, 1963, 1958, 1954, 1949, 1945, 1941, 1936, 1931, 1926

Topographic Maps

GLTC Land

NWC of Atherton and Saginaw
Flint, MI 48507

Inquiry Number: 2671613.4
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.

Disclaimer - Copyright and Trademark Notice

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

Copyright 2010 by Environmental Data Resources, Inc. All rights reserved. Reproduction in any media or format, in whole or in part, of any report or map of Environmental Data Resources, Inc., or its affiliates, is prohibited without prior written permission.

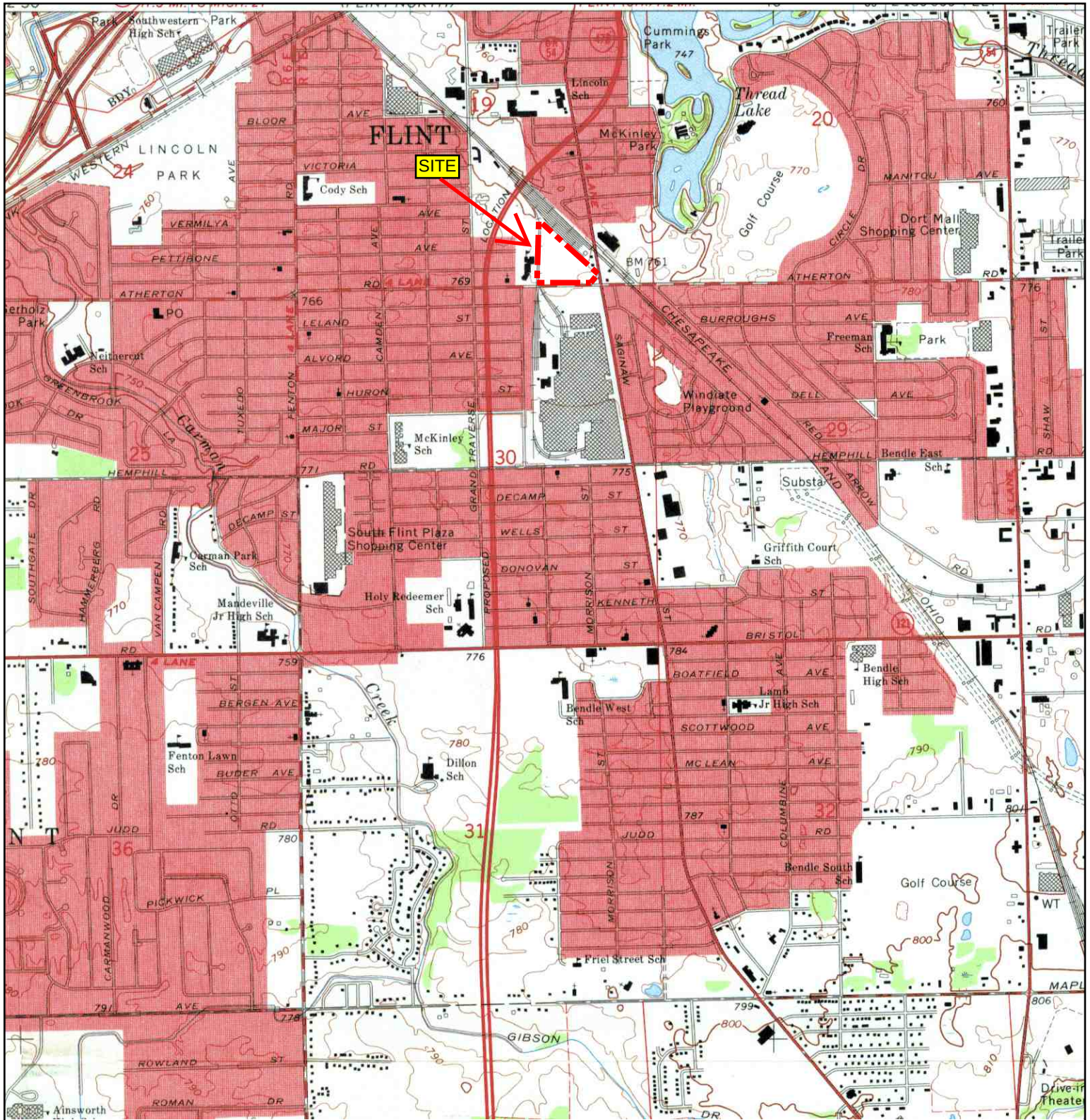
EDR and its logos (including Sanborn and Sanborn Map) are trademarks of Environmental Data Resources, Inc. or its affiliates. All other trademarks used herein are the property of their respective owners.

Historical Topographic Map



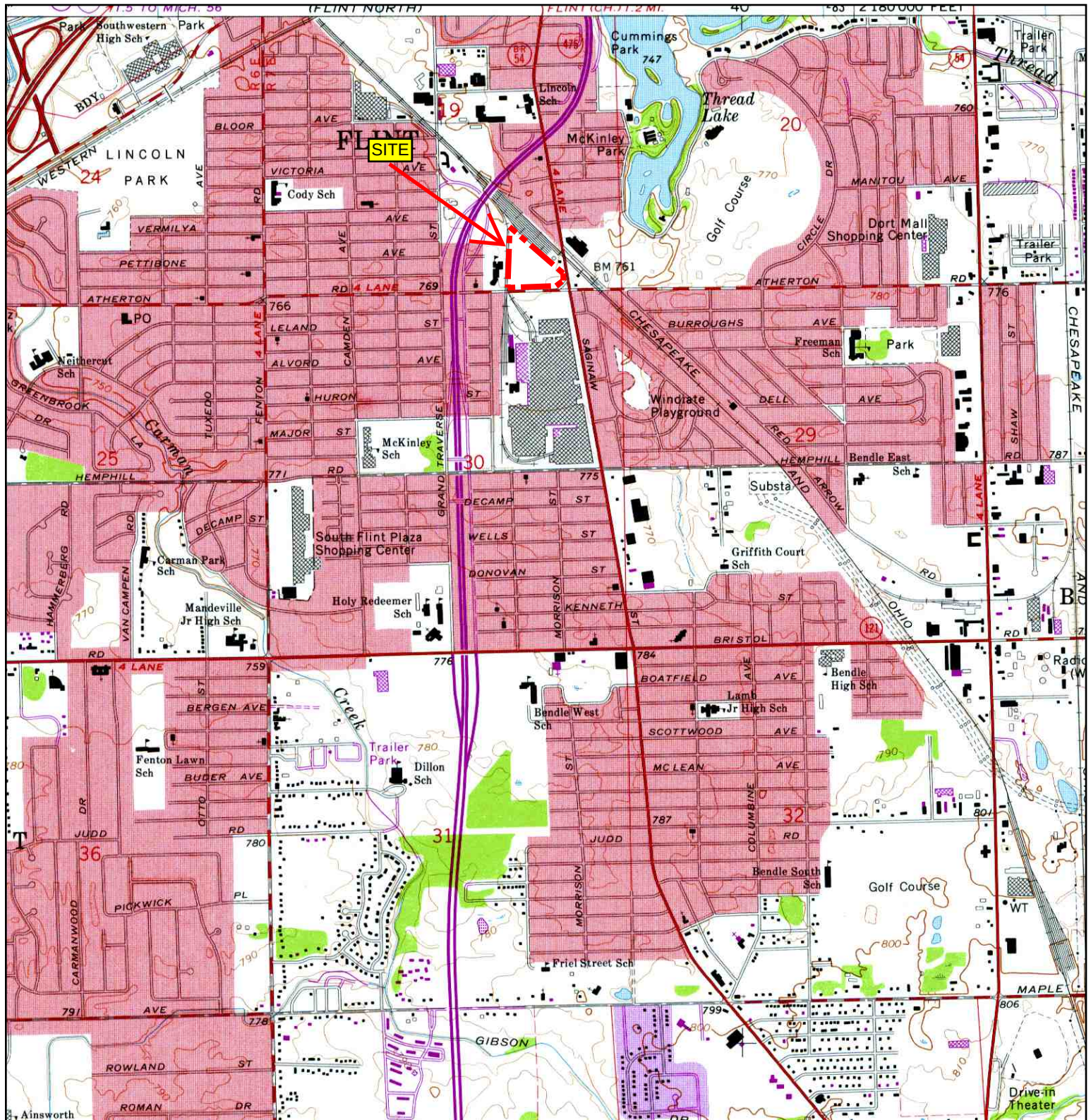
N ↑	TARGET QUAD NAME: HOLLY MAP YEAR: 1922 SERIES: 15 SCALE: 1:62500	SITE NAME: GLTC Land ADDRESS: NWC of Atherton and Saginaw Flint, MI 48507 LAT/LONG: 42.9902 / 83.6784	CLIENT: ARCADIS U.S., Inc. CONTACT: Moriah Boom INQUIRY#: 2671613.4 RESEARCH DATE: 01/06/2010
----------------	--	--	--

Historical Topographic Map



N ↑	TARGET QUAD NAME: FLINT SOUTH MAP YEAR: 1969 SERIES: 7.5 SCALE: 1:24000	SITE NAME: GLTC Land ADDRESS: NWC of Atherton and Saginaw Flint, MI 48507 LAT/LONG: 42.9902 / 83.6784	CLIENT: ARCADIS U.S., Inc. CONTACT: Moriah Boom INQUIRY#: 2671613.4 RESEARCH DATE: 01/06/2010
----------------	---	--	--

Historical Topographic Map



TARGET QUAD NAME: FLINT SOUTH MAP YEAR: 1975 PHOTOREVISED FROM: 1969 SERIES: 7.5 SCALE: 1:24000	SITE NAME: GLTC Land ADDRESS: NWC of Atherton and Saginaw Flint, MI 48507 LAT/LONG: 42.9902 / 83.6784	CLIENT: ARCADIS U.S., Inc. CONTACT: Moriah Boom INQUIRY#: 2671613.4 RESEARCH DATE: 01/06/2010
---	--	---

APPENDIX C

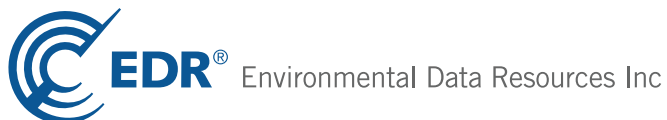
EDR Radius Map Report

GLTC Land

NWC of Atherton and Saginaw
Flint, MI 48507

Inquiry Number: 2671613.2s
January 05, 2010

The EDR Radius Map™ Report with GeoCheck®



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

TABLE OF CONTENTS

<u>SECTION</u>	<u>PAGE</u>
Executive Summary	ES1
Overview Map	2
Detail Map	3
Map Findings Summary	4
Map Findings	7
Orphan Summary	75
Government Records Searched/Data Currency Tracking	GR-1
 <u>GEOCHECK ADDENDUM</u>	
Physical Setting Source Addendum	A-1
Physical Setting Source Summary	A-2
Physical Setting SSURGO Soil Map	A-6
Physical Setting Source Map	A-8
Physical Setting Source Map Findings	A-9
Physical Setting Source Records Searched	A-39

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

Disclaimer - Copyright and Trademark Notice

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

Copyright 2010 by Environmental Data Resources, Inc. All rights reserved. Reproduction in any media or format, in whole or in part, of any report or map of Environmental Data Resources, Inc., or its affiliates, is prohibited without prior written permission.

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

EXECUTIVE SUMMARY

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

TARGET PROPERTY INFORMATION

ADDRESS

NWC OF ATHERTON AND SAGINAW
FLINT, MI 48507

COORDINATES

Latitude (North):	42.990200 - 42° 59' 24.7"
Longitude (West):	83.678400 - 83° 40' 42.2"
Universal Tranverse Mercator:	Zone 17
UTM X (Meters):	281641.5
UTM Y (Meters):	4762993.0
Elevation:	756 ft. above sea level

USGS TOPOGRAPHIC MAP ASSOCIATED WITH TARGET PROPERTY

Target Property Map:	42083-H6 FLINT SOUTH, MI
Most Recent Revision:	1975
North Map:	43083-A6 FLINT NORTH, MI
Most Recent Revision:	1975

AERIAL PHOTOGRAPHY IN THIS REPORT

Portions of Photo from:	2006, 2005
Source:	USDA

TARGET PROPERTY SEARCH RESULTS

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

DATABASES WITH NO MAPPED SITES

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

STANDARD ENVIRONMENTAL RECORDS

Federal NPL site list

NPL..... National Priority List

EXECUTIVE SUMMARY

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

Federal Delisted NPL site list

Delisted NPL..... National Priority List Deletions

Federal CERCLIS list

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

Federal RCRA generators list

RCRA-LQG..... RCRA - Large Quantity Generators

Federal institutional controls / engineering controls registries

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

Federal ERNS list

ERNS..... Emergency Response Notification System

State and tribal 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

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

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

EXECUTIVE SUMMARY

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
SPILLS..... Pollution Emergency Alerting 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
TRIS..... Toxic Chemical Release Inventory System
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
MLTS..... Material Licensing Tracking System
RADINFO..... Radiation Information Database
FINDS..... Facility Index System/Facility Registry System
RAATS..... RCRA Administrative Action Tracking System
UIC..... Underground Injection Wells Database
DRYCLEANERS..... Drycleaning Establishments
NPDES..... List of Active NPDES Permits
AIRS..... Permit and Emissions Inventory Data
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

EXECUTIVE SUMMARY

SURROUNDING SITES: SEARCH RESULTS

Surrounding sites were identified in the following databases.

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

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

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

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

STANDARD ENVIRONMENTAL RECORDS

Federal CERCLIS 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 0.5 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
<i>GMC FISHER BODY DIV FLINT PLT</i>	<i>4300 S SAGINAW ST</i>	<i>SSE 1/4 - 1/2 (0.380 mi.)</i>	<i>J30</i>	<i>55</i>

Federal RCRA CORRACTS facilities list

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

A review of the CORRACTS list, as provided by EDR, and dated 09/15/2009 has revealed that there is 1 CORRACTS site within approximately 1 mile of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
<i>GMC FISHER BODY DIV FLINT PLT</i>	<i>4300 S SAGINAW ST</i>	<i>SSE 1/4 - 1/2 (0.380 mi.)</i>	<i>J30</i>	<i>55</i>

EXECUTIVE SUMMARY

Federal RCRA non-CORRACTS TSD facilities list

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

A review of the RCRA-TSDF list, as provided by EDR, and dated 11/12/2008 has revealed that there is 1 RCRA-TSDF site within approximately 0.5 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
GMC FISHER BODY DIV FLINT PLT	4300 S SAGINAW ST	SSE 1/4 - 1/2 (0.380 mi.)	J30	55

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 0.25 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
APPLEGATE CHEVROLET CO	3637 S SAGINAW ST	ENE 0 - 1/8 (0.109 mi.)	B6	17

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 is 1 RCRA-CESQG site within approximately 0.25 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
ATLAS OIL CO	140 W LIVINGSTON	NNE 1/8 - 1/4 (0.158 mi.)	D13	31

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

EXECUTIVE SUMMARY

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 4 SHWS sites within approximately 1 mile of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
GM DIE STORAGE LOT Facility Status: Evaluation conducted	S. SAGINAW/ATHERTON	SE 1/8 - 1/4 (0.144 mi.)	7	20
GREAT LAKES TECHNOLOGY CENTER Facility Status: Interim Response in progress	4300 S. SAGINAW ST.	SSE 1/4 - 1/2 (0.380 mi.)	J31	66
WINDIATE PARK/DIXIELAND SUBDVN Facility Status: Interim Response in progress	MILTON DRIVE / PENGEL	SE 1/2 - 1 (0.508 mi.)	35	73
<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
OIL CHEM INC. Facility Status: Interim Response in progress	711 WEST 12TH STREET	NNW 1/2 - 1 (0.984 mi.)	36	74

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 11 LUST sites within approximately 0.5 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
MARATHON (FORMER) Facility Status: Open	3725 S SAGINAW	E 0 - 1/8 (0.105 mi.)	A3	7
ATHERTON OIL INC Facility Status: Closed	514 W ATHERTON RD	SW 1/8 - 1/4 (0.151 mi.)	C11	24
FINATEC LLC Facility Status: Closed	3841 S SAGINAW ST	SE 1/8 - 1/4 (0.166 mi.)	E14	33
SPRING DRUG STORE Facility Status: Open	4007 S SAGINAW	SSE 1/4 - 1/2 (0.251 mi.)	G22	45
SAM KALLABAT Facility Status: Open Facility Status: Open <i>*Additional key fields are available in the Map Findings section</i>	602 W ATHERTON RD	WSW 1/4 - 1/2 (0.266 mi.)	24	46
FORMER JERRY'S STANDARD Facility Status: Open	3283 S SAGINAW ST	NNE 1/4 - 1/2 (0.273 mi.)	H26	49
LETAVIS CLOTH WASH Facility Status: Open	4068 S SAGINAW ST	SSE 1/4 - 1/2 (0.276 mi.)	I27	50
FIRE STATION #8 Facility Status: Open	202 E ATHERTON RD	ESE 1/4 - 1/2 (0.277 mi.)	28	52
GREAT LAKES TECHNOLOGY CENTER Facility Status: Closed	4100 S SAGINAW ST	SSE 1/4 - 1/2 (0.291 mi.)	I29	53
GMC FISHER BODY DIV FLINT PLT	4300 S SAGINAW ST	SSE 1/4 - 1/2 (0.380 mi.)	J30	55

EXECUTIVE SUMMARY

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
COUNTY OF GENESEE ROAD COMMISS	211 W OAKLEY ST	NNW 1/4 - 1/2 (0.488 mi.)	34	67
Facility Status: Closed				
Facility Status: Closed				
<i>*Additional key fields are available in the Map Findings section</i>				

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 0.25 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
APPLEGATE CHEVROLET CO	3637 S SAGINAW ST	ENE 0 - 1/8 (0.109 mi.)	B6	17
ATHERTON OIL INC	514 W ATHERTON RD	SW 1/8 - 1/4 (0.151 mi.)	C11	24
FINATEC LLC	3841 S SAGINAW ST	SE 1/8 - 1/4 (0.166 mi.)	E15	33
BURTON HEATING & AIR CONDITION	3414 S SAGINAW ST	NNE 1/8 - 1/4 (0.220 mi.)	18	40
TAYSTEE BAKING/METZ BAKING CO	G-3341 S SAGINAW	N 1/8 - 1/4 (0.234 mi.)	19	40

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

A review of the AST list, as provided by EDR, and dated 11/30/2009 has revealed that there are 2 AST sites within approximately 0.25 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
RUPP OIL CO INC	3638 S SAGINAW ST	ENE 0 - 1/8 (0.108 mi.)	B5	10
PHIL FLINT OIL CO	140 W LIVINGSTON DR	NNE 1/8 - 1/4 (0.158 mi.)	D12	28

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 0.5 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
WINDIATE PARK/DIXIELAND SUBDIV	4401 MILTON DRIVE	SSE 1/4 - 1/2 (0.460 mi.)	33	66

EXECUTIVE SUMMARY

State and tribal Brownfields sites

BROWNFIELDS: Brownfields and USTfield Site Database.

A review of the BROWNFIELDS list, as provided by EDR, and dated 12/02/2009 has revealed that there is 1 BROWNFIELDS site within approximately 0.5 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
ATHERTON OIL INC	514 W ATHERTON RD	SW 1/8 - 1/4 (0.151 mi.)	C11	24

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 7 RCRA-NonGen sites within approximately 0.25 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
RUPP OIL CO	3638 S SAGINAW ST	ENE 0 - 1/8 (0.108 mi.)	B4	8
MELONIES MAGIC	3534 S SAGINAW ST	NNE 1/8 - 1/4 (0.146 mi.)	8	20
SUNOCO INC	514 W ATHERTON RD	SW 1/8 - 1/4 (0.151 mi.)	C10	22
MAGTICO	3460 N SAGINAW ST	NNE 1/8 - 1/4 (0.193 mi.)	F16	36
NOVAKS DON COLLISION INC	G3447 S SAGINAW ST	NNE 1/8 - 1/4 (0.201 mi.)	F17	38
RITE AID OF MICHIGAN INC	G 4007 S SAGINAW	SSE 1/8 - 1/4 (0.236 mi.)	G20	41
MI DEPT/TRANSPORTATION	I-475 OVER ATHERTON RD	WSW 1/8 - 1/4 (0.240 mi.)	21	43

BEA: Baseline Environmental Assessment.

A review of the BEA list, as provided by EDR, and dated 12/02/2009 has revealed that there are 6 BEA sites within approximately 0.5 miles of the target property.

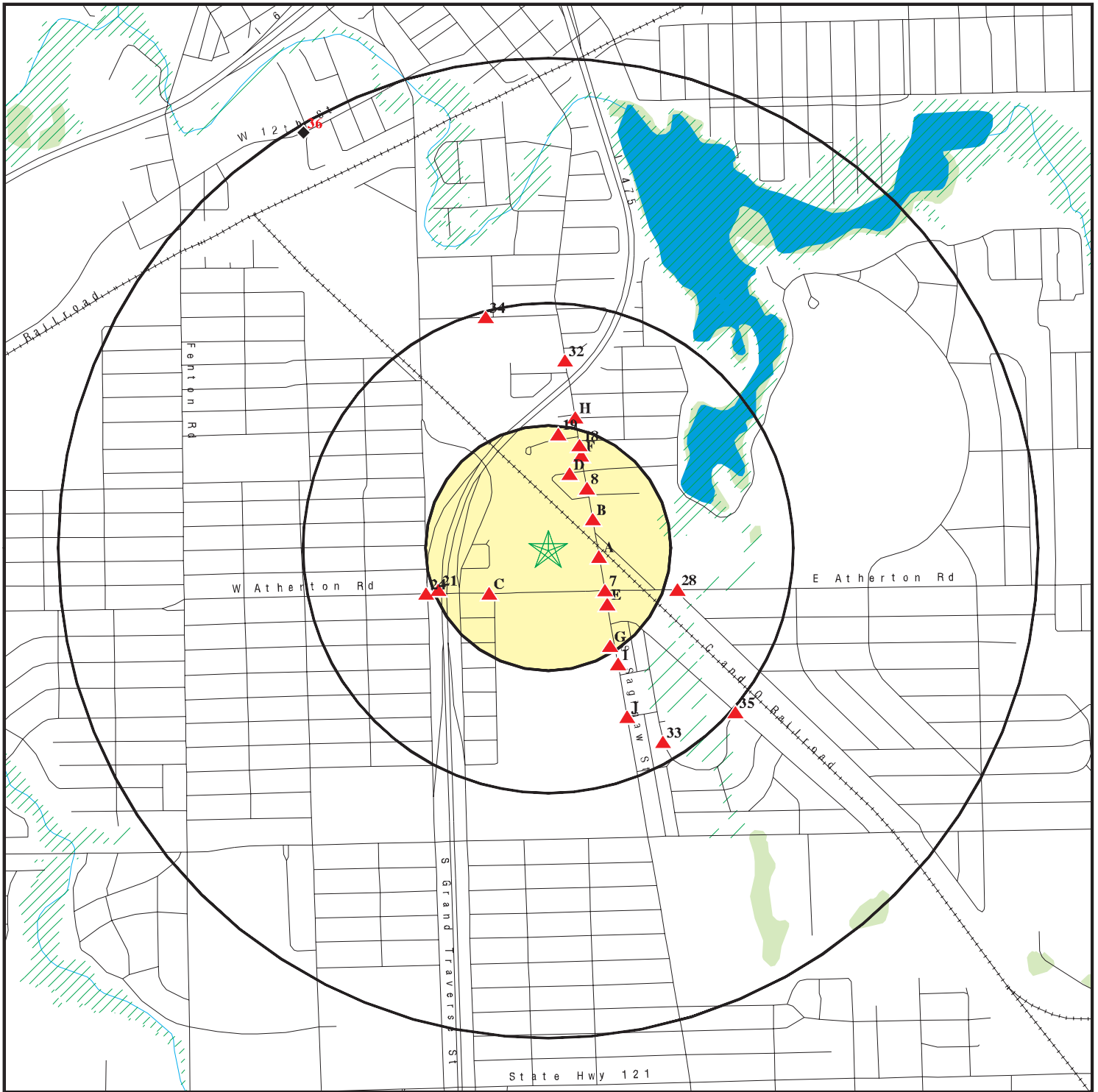
<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
GREAT LAKES PLAZA	3725 S. SAGINAW ST.	E 0 - 1/8 (0.105 mi.)	A1	7
3725 SOUTH SAGINAW STREET	3725 SOUTH SAGINAW STRE	E 0 - 1/8 (0.105 mi.)	A2	7
514 W. ATHERTON ROAD	514 W. ATHERTON RD.	SW 1/8 - 1/4 (0.151 mi.)	C9	22
SPRING'S DRUG STORE	4007 S. SAGINAW ROAD	SSE 1/4 - 1/2 (0.251 mi.)	G23	46
3283 SOUTH SAGINAW STREET	3283 SOUTH SAGINAW STRE	NNE 1/4 - 1/2 (0.273 mi.)	H25	49
3016 SOUTH SAGINAW	3016 SOUTH SAGINAW	N 1/4 - 1/2 (0.385 mi.)	32	66

EXECUTIVE SUMMARY

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

<u>Site Name</u>	<u>Database(s)</u>
CHESAPEAKE REALTY DEV CORP PARCEL	CERCLIS-NFRAP
FEDCHENKO SITE (FORMER)	BROWNFIELDS
SCHAFFER BAKERIES	LUST,UST
NORTHWEST TIRE & SERVICE	LUST,UST
BITUMINOUS PAVERS, INC	LUST,UST
FORMER FRENCHY TIRE SALES & SERVIC	UST
AMERIGAS	AST
CONSUMERS ENERGY CO	AST
MTA SERVICE CENTER	AST
MI DEPT/TRANSPORTATION	FINDS,RCRA-NLR
MI DEPT/TRANSPORTATION	FINDS,RCRA-NLR
MI DEPT/TRANSPORTATION	FINDS,RCRA-NLR
MI DEPT/TRANSPORTATION	FINDS,RCRA-NLR
MI DEPT/TRANSPORTATION	FINDS,RCRA-NLR
MI DEPT/TRANSPORTATION	FINDS,RCRA-NLR
MI DEPT/TRANSPORTATION	FINDS,RCRA-NLR
MI DEPT/TRANSPORTATION	FINDS,RCRA-NLR
T RODS CUSTOM CAR CARE	RCRA-CESQG
MI DEPT/TRANSPORTATION	FINDS,RCRA-CESQG
MI DEPT/TRANSPORTATION	FINDS,RCRA-CESQG
PEARLE VISION INC	RCRA-CESQG
MI DEPT/TRANSPORTATION	FINDS,RCRA-CESQG
MI DEPT/TRANSPORTATION	FINDS,RCRA-CESQG
3701 AND 3751 S. DORT HWY	BEA
2.7 ACRES NE CORNER N. DORT HWY/DA	BEA
0.619 ACRES NE CORNER OF N.DORT HW	BEA
1512 AND 1514 S. DORT HWY.	BEA
PARCEL 07-32-102-001 & 07-32-102-0	BEA
3701 AND 3751 S. DORT HIGHWAY	BEA
5000, 5022, AND 5030 NORTH DORT HI	BEA
5130 AND 5122 NORTH DORT HIGHWAY	BEA
RAILROAD RIGHT-OF-WAY (FORMER)	BEA

OVERVIEW MAP - 2671613.2s



★ 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

■ Oil & Gas pipelines

■ 100-year flood zone

■ 500-year flood zone

■ National Wetland Inventory

■ State Wetlands

0 1/4 1/2 1 Miles

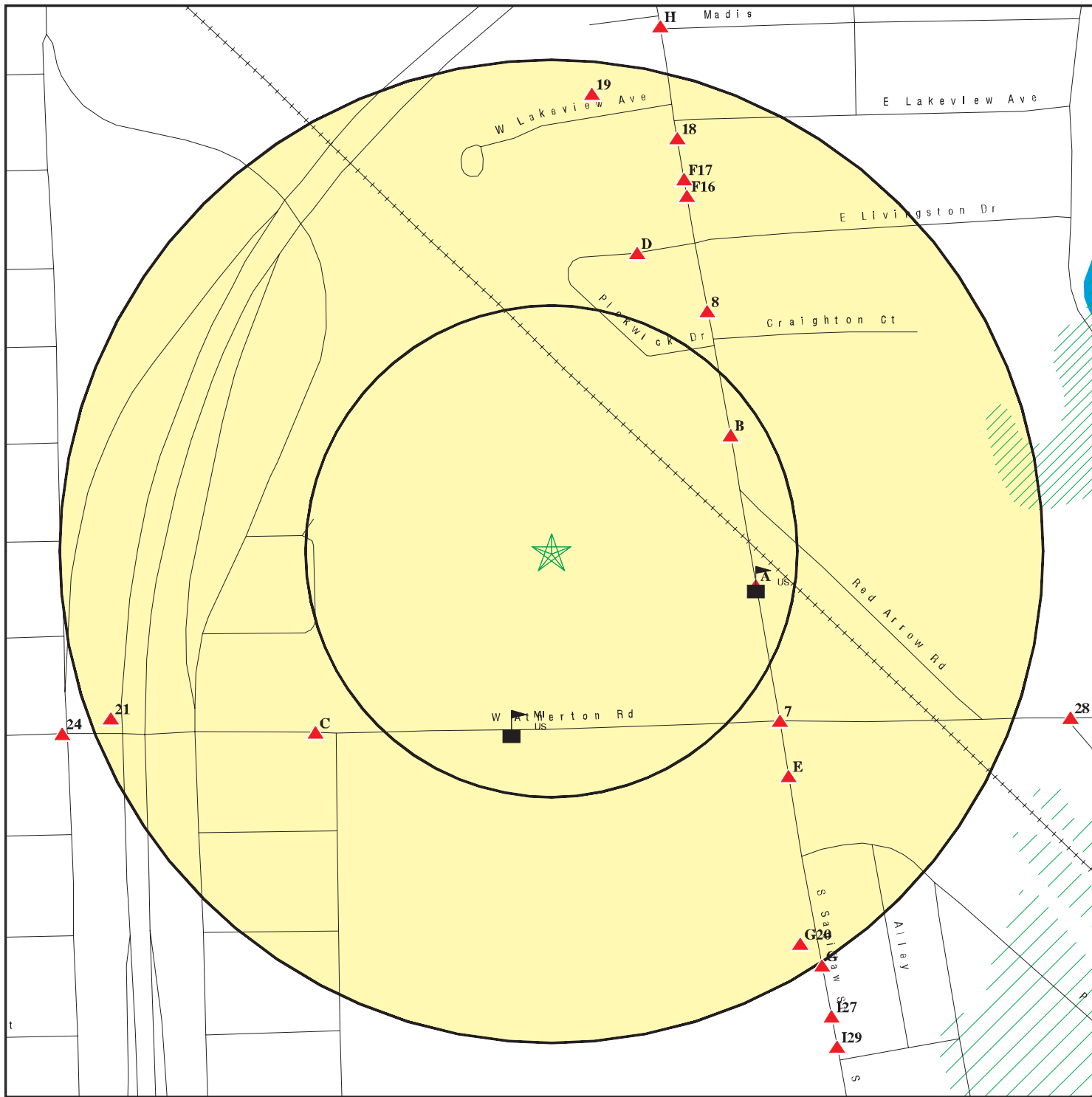


This report includes Interactive Map Layers to display and/or hide map information. The legend includes only those icons for the default map view.

SITE NAME: GLTC Land
ADDRESS: NWC of Atherton and Saginaw
Flint MI 48507
LAT/LONG: 42.9902 / 83.6784

CLIENT: ARCADIS U.S., Inc.
CONTACT: Moriah Boom
INQUIRY #: 2671613.2s
DATE: January 05, 2010 3:59 pm

DETAIL MAP - 2671613.2s



★ 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

National Wetland Inventory

State Wetlands

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

SITE NAME: GLTC Land
ADDRESS: NWC of Atherton and Saginaw
Flint MI 48507
LAT/LONG: 42.9902 / 83.6784

CLIENT: ARCADIS U.S., Inc.
CONTACT: Moriah Boom
INQUIRY #: 2671613.2s
DATE: January 05, 2010 4:00 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
<u>STANDARD ENVIRONMENTAL RECORDS</u>								
<i>Federal NPL site list</i>								
NPL		1.000	0	0	0	0	NR	0
Proposed NPL		1.000	0	0	0	0	NR	0
NPL LIENS		TP	NR	NR	NR	NR	NR	0
<i>Federal Delisted NPL site list</i>								
Delisted NPL		1.000	0	0	0	0	NR	0
<i>Federal CERCLIS list</i>								
CERCLIS		0.500	0	0	0	NR	NR	0
FEDERAL FACILITY		1.000	0	0	0	0	NR	0
<i>Federal CERCLIS NFRAP site List</i>								
CERC-NFRAP		0.500	0	0	1	NR	NR	1
<i>Federal RCRA CORRACTS facilities list</i>								
CORRACTS		1.000	0	0	1	0	NR	1
<i>Federal RCRA non-CORRACTS TSD facilities list</i>								
RCRA-TSDF		0.500	0	0	1	NR	NR	1
<i>Federal RCRA generators list</i>								
RCRA-LQG		0.250	0	0	NR	NR	NR	0
RCRA-SQG		0.250	1	0	NR	NR	NR	1
RCRA-CESQG		0.250	0	1	NR	NR	NR	1
<i>Federal institutional controls / engineering controls registries</i>								
US ENG CONTROLS		0.500	0	0	0	NR	NR	0
US INST CONTROL		0.500	0	0	0	NR	NR	0
<i>Federal ERNS list</i>								
ERNS		TP	NR	NR	NR	NR	NR	0
<i>State- and tribal - equivalent CERCLIS</i>								
SHWS		1.000	0	1	1	2	NR	4
<i>State and tribal landfill and/or solid waste disposal site lists</i>								
SWF/LF		0.500	0	0	0	NR	NR	0
<i>State and tribal leaking storage tank lists</i>								
LUST		0.500	1	2	8	NR	NR	11
INDIAN LUST		0.500	0	0	0	NR	NR	0
<i>State and tribal registered storage tank lists</i>								
UST		0.250	1	4	NR	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		0.250	1	1	NR	NR	NR	2
INDIAN UST		0.250	0	0	NR	NR	NR	0
FEMA UST		0.250	0	0	NR	NR	NR	0
State and tribal institutional control / engineering control registries								
AUL		0.500	0	0	1	NR	NR	1
State and tribal voluntary cleanup sites								
INDIAN VCP		0.500	0	0	0	NR	NR	0
State and tribal Brownfields sites								
BROWNFIELDS		0.500	0	1	0	NR	NR	1
ADDITIONAL ENVIRONMENTAL RECORDS								
Local Brownfield lists								
US BROWNFIELDS		0.500	0	0	0	NR	NR	0
Local Lists of Landfill / Solid Waste Disposal Sites								
ODI		0.500	0	0	0	NR	NR	0
DEBRIS REGION 9		0.500	0	0	0	NR	NR	0
HIST LF		0.500	0	0	0	NR	NR	0
INDIAN ODI		0.500	0	0	0	NR	NR	0
Local Lists of Hazardous waste / Contaminated Sites								
US CDL		TP	NR	NR	NR	NR	NR	0
DEL SHWS		1.000	0	0	0	0	NR	0
CDL		TP	NR	NR	NR	NR	NR	0
US HIST CDL		TP	NR	NR	NR	NR	NR	0
Local Land Records								
LIENS 2		TP	NR	NR	NR	NR	NR	0
LUCIS		0.500	0	0	0	NR	NR	0
LIENS		TP	NR	NR	NR	NR	NR	0
Records of Emergency Release Reports								
HMIRS		TP	NR	NR	NR	NR	NR	0
SPILLS		TP	NR	NR	NR	NR	NR	0
Other Ascertainable Records								
RCRA-NonGen		0.250	1	6	NR	NR	NR	7
DOT OPS		TP	NR	NR	NR	NR	NR	0
DOD		1.000	0	0	0	0	NR	0
FUDS		1.000	0	0	0	0	NR	0
CONSENT		1.000	0	0	0	0	NR	0
ROD		1.000	0	0	0	0	NR	0
UMTRA		0.500	0	0	0	NR	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		0.250	0	0	NR	NR	NR	0
TRIS		TP	NR	NR	NR	NR	NR	0
TSCA		TP	NR	NR	NR	NR	NR	0
FTTS		TP	NR	NR	NR	NR	NR	0
HIST FTTS		TP	NR	NR	NR	NR	NR	0
SSTS		TP	NR	NR	NR	NR	NR	0
ICIS		TP	NR	NR	NR	NR	NR	0
PADS		TP	NR	NR	NR	NR	NR	0
MLTS		TP	NR	NR	NR	NR	NR	0
RADINFO		TP	NR	NR	NR	NR	NR	0
FINDS		TP	NR	NR	NR	NR	NR	0
RAATS		TP	NR	NR	NR	NR	NR	0
UIC		TP	NR	NR	NR	NR	NR	0
DRYCLEANERS		0.250	0	0	NR	NR	NR	0
NPDES		TP	NR	NR	NR	NR	NR	0
AIRS		TP	NR	NR	NR	NR	NR	0
BEA		0.500	2	1	3	NR	NR	6
INDIAN RESERV		1.000	0	0	0	0	NR	0
SCRD DRYCLEANERS		0.500	0	0	0	NR	NR	0
COAL ASH DOE		TP	NR	NR	NR	NR	NR	0
PCB TRANSFORMER		TP	NR	NR	NR	NR	NR	0
COAL ASH EPA		0.500	0	0	0	NR	NR	0
COAL ASH		0.500	0	0	0	NR	NR	0

EDR PROPRIETARY RECORDS

EDR Proprietary Records

Manufactured Gas Plants	1.000	0	0	0	0	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
East
< 1/8
0.105 mi.
555 ft.

GREAT LAKES PLAZA
3725 S. SAGINAW ST.
FLINT, MI

Site 1 of 3 in cluster A

BEA **S104909603**
N/A

Relative:
Higher

BEA:
Secondary Address: Not reported
BEA Number: 26
District: Lansing
Date Received: 2/14/1996
Submitter Name: Road Town Properties, L.L.C.
Petition Determination: Affirmed
Petition Disclosure: 1
Category: No Hazardous Substance(s)
Determination 20107A: Pending
Reviewer: temppm
Division Assigned: Storage Tank Division

Actual:
761 ft.

A2
East
< 1/8
0.105 mi.
555 ft.

3725 SOUTH SAGINAW STREET
3725 SOUTH SAGINAW STREET
FLINT, MI

Site 2 of 3 in cluster A

BEA **S105254451**
N/A

Relative:
Higher

BEA:
Secondary Address: Not reported
BEA Number: 584
District: Lansing
Date Received: 11/6/2001 12:59:00 AM
Submitter Name: Madric Enterprises, LLC
Petition Determination: No Request
Petition Disclosure: 0
Category: Different Hazardous Substance(s)
Determination 20107A: No Request
Reviewer: leinbaca
Division Assigned: Storage Tank Division

Actual:
761 ft.

A3
East
< 1/8
0.105 mi.
555 ft.

MARATHON (FORMER)
3725 S SAGINAW
FLINT, MI 99999

Site 3 of 3 in cluster A

LUST **S102851902**
N/A

Relative:
Higher

LUST:
Facility ID: 50001705
Source: STATE OF MICHIGAN
Owner Name: Nrt Owner
Owner Address: Unknown
Owner City,St,Zip: Unknown, MI 99999
Owner Contact: Not reported
Owner Phone: Not reported
Country: USA
District: Lansing District Office
Site Name: Marathon Station, (former)
Latitude: 42.9900130000
Longitude: -83.6763350000
Date of Collection: 01-11-2001

Actual:
761 ft.

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

MARATHON (FORMER) (Continued)

S102851902

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-1279-85
Release Date: Jun 6 1989
Substance Released: Not reported
Release Status: Open
Release Closed Date: Not reported

**B4
ENE
< 1/8
0.108 mi.
571 ft.**

**RUPP OIL CO
3638 S SAGINAW ST
FLINT, MI 48503**

**RCRA-NonGen 1000344615
FINDS MID000722298**

Site 1 of 3 in cluster B

**Relative:
Higher**

RCRA-NonGen:

Date form received by agency: 08/18/1980

Facility name: RUPP OIL CO

Facility address: 3638 S SAGINAW ST
FLINT, MI 48503

EPA ID: MID000722298

Mailing address: 1800 MIDLAND BLDG
CLEVELAND, OH 44115

Contact: P KIRALY

Contact address: 3638 S SAGINAW ST
FLINT, MI 48503

Contact country: Not reported

Contact telephone: (216) 575-5898

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: 01/03/1970

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

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

RUPP OIL CO (Continued)

1000344615

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
-------------------	---------------------

FINDS:

Registry ID:	110003576336
--------------	--------------

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,

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

RUPP OIL CO (Continued)

1000344615

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.

**B5
ENE
< 1/8
0.108 mi.
571 ft.**

**RUPP OIL CO INC
3638 S SAGINAW ST
FLINT, MI 48503**

Site 2 of 3 in cluster B

**AST A100205840
N/A**

**Relative:
Higher**

AST:

**Actual:
761 ft.**

Type: CLOSED
Owner Name: Rupp Oil Co Inc
Owner Address: PO Box 457
Owner City,St,Zip: Bay City, MI 48707-0457
Owner County: USA
Owner Contact: Not reported
Owner Telephone: (517) 684-5993
Facility ID: 91025021
District: Lansing District Office
Contact: ED LEGNER
Facility Phone: (517) 684-5993
Tank ID: 1
Tank Status: Removed from Premises
Capacity: 20000
Install Date: Not reported
Close Date: Mar 10 1994
Content: Flammable Liquid
Latitude: 42.9909340000
Longitude: -83.6769370000
Date of Collection: 01-11-2001
Accuracy: 100
Accuracy Value Unit: FEET
Horizontal Datum: NAD83
Source: STATE OF MICHIGAN
Point Line Area: POINT
Description of Category: Plant Entrance (Freight)
Method of Collection: Address Matching-House Nu

Type: CLOSED
Owner Name: Rupp Oil Co Inc
Owner Address: PO Box 457
Owner City,St,Zip: Bay City, MI 48707-0457
Owner County: USA
Owner Contact: Not reported
Owner Telephone: (517) 684-5993
Facility ID: 91025021
District: Lansing District Office
Contact: ED LEGNER
Facility Phone: (517) 684-5993
Tank ID: 2
Tank Status: Removed from Premises
Capacity: 20000
Install Date: Not reported
Close Date: Mar 10 1994
Content: Flammable Liquid
Latitude: 42.9909340000

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

RUPP OIL CO INC (Continued)

A100205840

Longitude: -83.6769370000
Date of Collection: 01-11-2001
Accuracy: 100
Accuracy Value Unit: FEET
Horizontal Datum: NAD83
Source: STATE OF MICHIGAN
Point Line Area: POINT
Description of Category: Plant Entrance (Freight)
Method of Collection: Address Matching-House Nu

Type: CLOSED
Owner Name: Rupp Oil Co Inc
Owner Address: PO Box 457
Owner City,St,Zip: Bay City, MI 48707-0457
Owner County: USA
Owner Contact: Not reported
Owner Telephone: (517) 684-5993
Facility ID: 91025021
District: Lansing District Office
Contact: ED LEGNER
Facility Phone: (517) 684-5993
Tank ID: 3
Tank Status: Removed from Premises
Capacity: 15000
Install Date: Not reported
Close Date: Mar 10 1994
Content: Flammable Liquid
Latitude: 42.9909340000
Longitude: -83.6769370000
Date of Collection: 01-11-2001
Accuracy: 100
Accuracy Value Unit: FEET
Horizontal Datum: NAD83
Source: STATE OF MICHIGAN
Point Line Area: POINT
Description of Category: Plant Entrance (Freight)
Method of Collection: Address Matching-House Nu

Type: CLOSED
Owner Name: Rupp Oil Co Inc
Owner Address: PO Box 457
Owner City,St,Zip: Bay City, MI 48707-0457
Owner County: USA
Owner Contact: Not reported
Owner Telephone: (517) 684-5993
Facility ID: 91025021
District: Lansing District Office
Contact: ED LEGNER
Facility Phone: (517) 684-5993
Tank ID: 4
Tank Status: Removed from Premises
Capacity: 15000
Install Date: Oct 14 1983
Close Date: Mar 10 1994
Content: Flammable Liquid
Latitude: 42.9909340000
Longitude: -83.6769370000

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

RUPP OIL CO INC (Continued)

A100205840

Date of Collection: 01-11-2001
Accuracy: 100
Accuracy Value Unit: FEET
Horizontal Datum: NAD83
Source: STATE OF MICHIGAN
Point Line Area: POINT
Description of Category: Plant Entrance (Freight)
Method of Collection: Address Matching-House Nu

Type: CLOSED
Owner Name: Rupp Oil Co Inc
Owner Address: PO Box 457
Owner City,St,Zip: Bay City, MI 48707-0457
Owner County: USA
Owner Contact: Not reported
Owner Telephone: (517) 684-5993
Facility ID: 91025021
District: Lansing District Office
Contact: ED LEGNER
Facility Phone: (517) 684-5993
Tank ID: 5
Tank Status: Removed from Premises
Capacity: 15000
Install Date: Not reported
Close Date: Mar 10 1994
Content: Flammable Liquid
Latitude: 42.9909340000
Longitude: -83.6769370000
Date of Collection: 01-11-2001
Accuracy: 100
Accuracy Value Unit: FEET
Horizontal Datum: NAD83
Source: STATE OF MICHIGAN
Point Line Area: POINT
Description of Category: Plant Entrance (Freight)
Method of Collection: Address Matching-House Nu

Type: CLOSED
Owner Name: Rupp Oil Co Inc
Owner Address: PO Box 457
Owner City,St,Zip: Bay City, MI 48707-0457
Owner County: USA
Owner Contact: Not reported
Owner Telephone: (517) 684-5993
Facility ID: 91025021
District: Lansing District Office
Contact: ED LEGNER
Facility Phone: (517) 684-5993
Tank ID: 6
Tank Status: Removed from Premises
Capacity: 15000
Install Date: Not reported
Close Date: Mar 10 1994
Content: Flammable Liquid
Latitude: 42.9909340000
Longitude: -83.6769370000
Date of Collection: 01-11-2001

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

RUPP OIL CO INC (Continued)

A100205840

Accuracy: 100
Accuracy Value Unit: FEET
Horizontal Datum: NAD83
Source: STATE OF MICHIGAN
Point Line Area: POINT
Description of Category: Plant Entrance (Freight)
Method of Collection: Address Matching-House Nu

Type: CLOSED
Owner Name: Rupp Oil Co Inc
Owner Address: PO Box 457
Owner City,St,Zip: Bay City, MI 48707-0457
Owner County: USA
Owner Contact: Not reported
Owner Telephone: (517) 684-5993
Facility ID: 91025021
District: Lansing District Office
Contact: ED LEGNER
Facility Phone: (517) 684-5993
Tank ID: 7
Tank Status: Removed from Premises
Capacity: 20000
Install Date: Not reported
Close Date: Mar 10 1994
Content: Flammable Liquid
Latitude: 42.9909340000
Longitude: -83.6769370000
Date of Collection: 01-11-2001
Accuracy: 100
Accuracy Value Unit: FEET
Horizontal Datum: NAD83
Source: STATE OF MICHIGAN
Point Line Area: POINT
Description of Category: Plant Entrance (Freight)
Method of Collection: Address Matching-House Nu

Type: CLOSED
Owner Name: Rupp Oil Co Inc
Owner Address: PO Box 457
Owner City,St,Zip: Bay City, MI 48707-0457
Owner County: USA
Owner Contact: Not reported
Owner Telephone: (517) 684-5993
Facility ID: 91025021
District: Lansing District Office
Contact: ED LEGNER
Facility Phone: (517) 684-5993
Tank ID: 8
Tank Status: Removed from Premises
Capacity: 20000
Install Date: Not reported
Close Date: Mar 10 1994
Content: Flammable Liquid
Latitude: 42.9909340000
Longitude: -83.6769370000
Date of Collection: 01-11-2001
Accuracy: 100

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

RUPP OIL CO INC (Continued)

A100205840

Accuracy Value Unit: FEET
Horizontal Datum: NAD83
Source: STATE OF MICHIGAN
Point Line Area: POINT
Description of Category: Plant Entrance (Freight)
Method of Collection: Address Matching-House Nu

Type: CLOSED
Owner Name: Rupp Oil Co Inc
Owner Address: PO Box 457
Owner City,St,Zip: Bay City, MI 48707-0457
Owner County: USA
Owner Contact: Not reported
Owner Telephone: (517) 684-5993
Facility ID: 91025021
District: Lansing District Office
Contact: ED LEGNER
Facility Phone: (517) 684-5993
Tank ID: 9
Tank Status: Removed from Premises
Capacity: 20000
Install Date: Oct 18 1983
Close Date: Mar 10 1994
Content: Flammable Liquid
Latitude: 42.9909340000
Longitude: -83.6769370000
Date of Collection: 01-11-2001
Accuracy: 100
Accuracy Value Unit: FEET
Horizontal Datum: NAD83
Source: STATE OF MICHIGAN
Point Line Area: POINT
Description of Category: Plant Entrance (Freight)
Method of Collection: Address Matching-House Nu

Type: CLOSED
Owner Name: Rupp Oil Co Inc
Owner Address: PO Box 457
Owner City,St,Zip: Bay City, MI 48707-0457
Owner County: USA
Owner Contact: Not reported
Owner Telephone: (517) 684-5993
Facility ID: 91025021
District: Lansing District Office
Contact: ED LEGNER
Facility Phone: (517) 684-5993
Tank ID: 10
Tank Status: Removed from Premises
Capacity: 20000
Install Date: Oct 18 1983
Close Date: Mar 10 1994
Content: Flammable Liquid
Latitude: 42.9909340000
Longitude: -83.6769370000
Date of Collection: 01-11-2001
Accuracy: 100
Accuracy Value Unit: FEET

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

RUPP OIL CO INC (Continued)

A100205840

Horizontal Datum: NAD83
Source: STATE OF MICHIGAN
Point Line Area: POINT
Description of Category: Plant Entrance (Freight)
Method of Collection: Address Matching-House Nu

Type: CLOSED
Owner Name: Rupp Oil Co Inc
Owner Address: PO Box 457
Owner City,St,Zip: Bay City, MI 48707-0457
Owner County: USA
Owner Contact: Not reported
Owner Telephone: (517) 684-5993
Facility ID: 91025021
District: Lansing District Office
Contact: ED LEGNER
Facility Phone: (517) 684-5993
Tank ID: 11
Tank Status: Removed from Premises
Capacity: 20000
Install Date: Oct 18 1983
Close Date: Mar 10 1994
Content: Flammable Liquid
Latitude: 42.9909340000
Longitude: -83.6769370000
Date of Collection: 01-11-2001
Accuracy: 100
Accuracy Value Unit: FEET
Horizontal Datum: NAD83
Source: STATE OF MICHIGAN
Point Line Area: POINT
Description of Category: Plant Entrance (Freight)
Method of Collection: Address Matching-House Nu

Type: CLOSED
Owner Name: Rupp Oil Co Inc
Owner Address: PO Box 457
Owner City,St,Zip: Bay City, MI 48707-0457
Owner County: USA
Owner Contact: Not reported
Owner Telephone: (517) 684-5993
Facility ID: 91025021
District: Lansing District Office
Contact: ED LEGNER
Facility Phone: (517) 684-5993
Tank ID: 12
Tank Status: Removed from Premises
Capacity: 20000
Install Date: Oct 18 1983
Close Date: Mar 10 1994
Content: Flammable Liquid
Latitude: 42.9909340000
Longitude: -83.6769370000
Date of Collection: 01-11-2001
Accuracy: 100
Accuracy Value Unit: FEET
Horizontal Datum: NAD83

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

RUPP OIL CO INC (Continued)

A100205840

Source: STATE OF MICHIGAN
Point Line Area: POINT
Description of Category: Plant Entrance (Freight)
Method of Collection: Address Matching-House Nu

Type: CLOSED
Owner Name: Rupp Oil Co Inc
Owner Address: PO Box 457
Owner City,St,Zip: Bay City, MI 48707-0457
Owner County: USA
Owner Contact: Not reported
Owner Telephone: (517) 684-5993
Facility ID: 91025021
District: Lansing District Office
Contact: ED LEGNER
Facility Phone: (517) 684-5993
Tank ID: 13
Tank Status: Removed from Premises
Capacity: 20000
Install Date: Oct 18 1983
Close Date: Mar 10 1994
Content: Flammable Liquid
Latitude: 42.9909340000
Longitude: -83.6769370000
Date of Collection: 01-11-2001
Accuracy: 100
Accuracy Value Unit: FEET
Horizontal Datum: NAD83
Source: STATE OF MICHIGAN
Point Line Area: POINT
Description of Category: Plant Entrance (Freight)
Method of Collection: Address Matching-House Nu

Type: CLOSED
Owner Name: Rupp Oil Co Inc
Owner Address: PO Box 457
Owner City,St,Zip: Bay City, MI 48707-0457
Owner County: USA
Owner Contact: Not reported
Owner Telephone: (517) 684-5993
Facility ID: 91025021
District: Lansing District Office
Contact: ED LEGNER
Facility Phone: (517) 684-5993
Tank ID: 14
Tank Status: Removed from Premises
Capacity: 20000
Install Date: Oct 18 1983
Close Date: Mar 10 1994
Content: Flammable Liquid
Latitude: 42.9909340000
Longitude: -83.6769370000
Date of Collection: 01-11-2001
Accuracy: 100
Accuracy Value Unit: FEET
Horizontal Datum: NAD83
Source: STATE OF MICHIGAN

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

RUPP OIL CO INC (Continued)

A100205840

Point Line Area: POINT
Description of Category: Plant Entrance (Freight)
Method of Collection: Address Matching-House Nu

B6
ENE
< 1/8
0.109 mi.
573 ft.

APPLEGATE CHEVROLET CO
3637 S SAGINAW ST
FLINT, MI 48503

RCRA-SQG
FINDS
UST

1000279937
MID006959258

Site 3 of 3 in cluster B

Relative:
Higher

RCRA-SQG:

Actual:
761 ft.

Date form received by agency: 04/20/2004
Facility name: APPLGATE CHEVROLET CO
Facility address: 3637 S SAGINAW ST
FLINT, MI 48503
EPA ID: MID006959258
Contact: DAVID ADAMS
Contact address: 3637 S SAGINAW ST
FLINT, MI 48503
Contact country: Not reported
Contact telephone: (810) 238-7611
Contact email: Not reported
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: APPLGATE JAMES
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: 01/01/1962
Owner/Op end date: Not reported

Owner/operator name: APPLGATE JAMES
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: 01/01/1962
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

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

APPLEGATE CHEVROLET CO (Continued)

1000279937

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

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: 08/22/1986
Facility name: APPLGATE CHEVROLET CO
Classification: Small Quantity Generator

Violation Status: No violations found

Evaluation Action Summary:

Evaluation date: 03/05/1986
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

APPLEGATE CHEVROLET CO (Continued)

1000279937

FINDS:

Registry ID: 110003585219

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.

UST:

Facility ID: 00002756
Facility Type: CLOSED
Latitude: 42.9909860000
Longitude: -83.6765680000
Owner Name: Applegate Chev Co
Owner Address: 3637 S Saginaw St
Owner City,St,Zip: Flint, MI 48503-4149
Owner Country: USA
Owner Contact: Not reported
Owner Phone: (313) 238-7611
Contact: JAMES APPLGATE
Contact Phone: (313) 238-7611
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: 16
Tank Status: **Removed from Ground**
Capacity: 2000
Install Date: Jan 1 1970
Product: Used Oil
Remove Date: May 22 1991
Tank Release Detection: Not reported
Pipe Release Detection: Not reported
Piping Material: Galvanized Steel
Piping Type: Not reported
Constr Material: Asphalt Coated or Bare Steel
Impressed Device: No

Tank ID: 17
Tank Status: **Removed from Ground**
Capacity: 20000
Install Date: Jan 1 1970
Product: Gasoline
Remove Date: May 22 1991
Tank Release Detection: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

APPLEGATE CHEVROLET CO (Continued)

1000279937

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

7
SE
1/8-1/4
0.144 mi.
762 ft.

GM DIE STORAGE LOT
S. SAGINAW/ATHERTON
FLINT, MI 48557

SHWS S106057239
N/A

Relative:
Higher

SHWS:
Facility ID: 25000683
Facility Status: Evaluation conducted
Source: Refuse Systems
SAM Score: 27 out o
SAM Score Date: 3/9/2004
Township: 07N
Range: 07E
Section: 19
Quarter: SE
Quarter/Quarter: SW
Pollutants: Ba; Pb; Methylene chloride

Actual:
761 ft.

8
NNE
1/8-1/4
0.146 mi.
769 ft.

MELONIES MAGIC
3534 S SAGINAW ST
FLINT, MI 48503

RCRA-NonGen 1000339116
FINDS MID981798960

Relative:
Higher

RCRA-NonGen:
Date form received by agency: 12/31/2001
Facility name: MELONIES MAGIC
Facility address: 3534 S SAGINAW ST
FLINT, MI 48503
EPA ID: MID981798960
Contact: SUSAN PRUETT
Contact address: 3534 S SAGINAW ST
FLINT, MI 48503
Contact country: Not reported
Contact telephone: (810) 239-3334
Contact email: Not reported
EPA Region: 05
Classification: Non-Generator
Description: Handler: Non-Generators do not presently generate hazardous waste

Actual:
763 ft.

Owner/Operator Summary:

Owner/operator name: NO ACTIVE O/OP AS NOT GENERATING WASTE
Owner/operator address: Not reported
Not reported
Owner/operator country: Not reported
Owner/operator telephone: Not reported
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: 01/01/2002

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

MELONIES MAGIC (Continued)

1000339116

Owner/Op end date: Not reported

Owner/operator name: NO ACTIVE O/OP AS NOT GENERATING WASTE
Owner/operator address: Not reported
Not reported
Owner/operator country: Not reported
Owner/operator telephone: Not reported
Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: 01/01/2002
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

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

MELONIES MAGIC (Continued)

1000339116

Accumulated waste on-site: No
Generated waste on-site: No

Historical Generators:

Date form received by agency: 01/14/1987
Facility name: MELONIES MAGIC
Classification: Not a generator, verified

Violation Status: No violations found

FINDS:

Registry ID: 110003624427

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.

C9
SW
1/8-1/4
0.151 mi.
799 ft.

514 W. ATHERTON ROAD
514 W. ATHERTON RD.
FLINT, MI

BEA S104911383
N/A

Site 1 of 3 in cluster C

Relative:
Higher

BEA:

Secondary Address: Not reported
BEA Number: 447
District: Lansing
Date Received: 5/3/2000
Submitter Name: Atherton Oil, Inc.
Petition Determination: No Request
Petition Disclosure: 0
Category: Same Hazardous Substance(s)
Determination 20107A: No Request
Reviewer: temppm
Division Assigned: Storage Tank Division

Actual:
761 ft.

C10
SW
1/8-1/4
0.151 mi.
799 ft.

SUNOCO INC
514 W ATHERTON RD
FLINT, MI 48507

RCRA-NonGen 1000331001
FINDS MID000675041

Site 2 of 3 in cluster C

Relative:
Higher

RCRA-NonGen:

Date form received by agency: 08/18/1980
Facility name: SUNOCO INC
Facility address: 514 W ATHERTON RD
FLINT, MI 48507
EPA ID: MID000675041
Contact: GIL LOVELL
Contact address: 514 W ATHERTON RD

Actual:
761 ft.

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

SUNOCO INC (Continued)

1000331001

FLINT, MI 48507

Contact country: Not reported
Contact telephone: (313) 358-2540
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: SUNOCO SERVICE STATION
Owner/operator address: Not reported
Not reported
Owner/operator country: Not reported
Owner/operator telephone: Not reported
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: 01/01/1970
Owner/Op end date: Not reported

Owner/operator name: SUNOCO SERVICE STATION
Owner/operator address: Not reported
Not reported
Owner/operator country: Not reported
Owner/operator telephone: Not reported
Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: 01/01/1970
Owner/Op end date: Not reported

Handler Activities Summary:

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

SUNOCO INC (Continued)

1000331001

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

FINDS:

Registry ID: 110003573730

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.

**C11
SW
1/8-1/4
0.151 mi.
799 ft.**

**ATHERTON OIL INC
514 W ATHERTON RD
FLINT, MI 48507**

**LUST U000253270
UST N/A
BROWNFIELDS**

Site 3 of 3 in cluster C

**Relative:
Higher**

LUST:

**Actual:
761 ft.**

Facility ID: 00012969
Source: STATE OF MICHIGAN
Owner Name: Atherton Oil Inc
Owner Address: 514 W Atherton Rd
Owner City,St,Zip: Flint, MI 48507-2400
Owner Contact: Not reported
Owner Phone: 248-855-2479
Country: USA
District: Lansing District Office
Site Name: Action Auto #3
Latitude: 42.9889300000
Longitude: -83.6810610000
Date of Collection: 01-12-1998
Method of Collection: GPS Code Meas. Standard Positioning Service SA Off
Accuracy: 10
Accuracy Value Unit: METERS

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

ATHERTON OIL INC (Continued)

U000253270

Horizontal Data: NAD83
Point Line Area: POINT
Desc Category: Plant Entrance (Freight)

Leak Number: C-0093-85
Release Date: Jan 6 1989
Substance Released: Not reported
Release Status: Closed
Release Closed Date: Jul 20 2001

UST:

Facility ID: 00012969
Facility Type: ACTIVE
Latitude: 42.9889300000
Longitude: -83.6810610000
Owner Name: Atherton Oil Inc
Owner Address: 514 W Atherton Rd
Owner City,St,Zip: Flint, MI 48507-2400
Owner Country: USA
Owner Contact: Not reported
Owner Phone: 248-855-2479
Contact: MR YASSER JABRA
Contact Phone: 810-761-2200
Date of Collection: 01-12-1998
Accuracy: 10
Accuracy Value Unit: METERS
Horizontal Datum: NAD83
Source: STATE OF MICHIGAN
Point Line Area: POINT
Desc Category: Plant Entrance (Freight)
Method of Collection: GPS Code Meas. Standard Positioning Service SA Off

Tank ID: 1
Tank Status: **Removed from Ground**
Capacity: 8000
Install Date: May 7 1974
Product: Gasoline
Remove Date: Dec 1 1987
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: May 7 1974
Product: Gasoline
Remove Date: Dec 1 1987
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

ATHERTON OIL INC (Continued)

U000253270

Tank ID: 3
Tank Status: **Removed from Ground**
Capacity: 6000
Install Date: May 7 1974
Product: Gasoline
Remove Date: Dec 1 1987
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: 6000
Install Date: May 7 1974
Product: Gasoline
Remove Date: Dec 1 1987
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: 5
Tank Status: **Currently In Use**
Capacity: 4000
Install Date: May 7 1984
Product: Diesel
Remove Date: Not reported
Tank Release Detection: Not reported
Pipe Realease Detection: Not reported
Piping Material: Bare Steel,Cathodically Protected
Piping Type: Suction: No Valve At Tank
Constr Material: Cathodically Protected Steel
Impressed Device: Yes

Tank ID: 6
Tank Status: **Currently In Use**
Capacity: 10000
Install Date: May 7 1986
Product: Gasoline
Remove Date: Not reported
Tank Release Detection: Not reported
Pipe Realease Detection: Not reported
Piping Material: Bare Steel,Cathodically Protected
Piping Type: Pressure
Constr Material: Fiberglass Reinforced plastic
Impressed Device: No

Tank ID: 7

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

ATHERTON OIL INC (Continued)

U000253270

Tank Status: **Currently In Use**
Capacity: 8000
Install Date: May 7 1986
Product: Gasoline
Remove Date: Not reported
Tank Release Detection: Not reported
Pipe Realease Detection: Not reported
Piping Material: Bare Steel,Cathodically Protected
Piping Type: Pressure
Constr Material: Fiberglass Reinforced plastic
Impressed Device: No

Tank ID: 8
Tank Status: **Currently In Use**
Capacity: 8000
Install Date: May 7 1986
Product: Gasoline
Remove Date: Not reported
Tank Release Detection: Not reported
Pipe Realease Detection: Not reported
Piping Material: Bare Steel,Cathodically Protected
Piping Type: Pressure
Constr Material: Fiberglass Reinforced plastic
Impressed Device: No

Tank ID: 9
Tank Status: **Removed from Ground**
Capacity: 1000
Install Date: Jan 19 2001
Product: USED MOTOR OIL
Remove Date: Oct 8 2001
Tank Release Detection: Not reported
Pipe Realease Detection: Not reported
Piping Material: Bare Steel
Piping Type: Not reported
Constr Material: Asphalt Coated or Bare Steel
Impressed Device: No

BROWNFIELD:
Facility ID: 00012969
Region: 1
Status: Closed LP
Properry Use: Not reported
BEA: No
Ernie Id Number: 25000297
Redevelop Status: Not reported
Before Redevelopment: Not reported
After Redevelopment: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

D12
NNE
1/8-1/4
0.158 mi.
834 ft.

PHIL FLINT OIL CO
140 W LIVINGSTON DR
FLINT, MI 48503

Site 1 of 2 in cluster D

AST **A100000249**
N/A

Relative:
Higher

AST:

Actual:
760 ft.

Type: ACTIVE
Owner Name: Atlas Oil
Owner Address: 24501 Ecorse Rd
Owner City,St,Zip: Taylor, MI 48180-1641
Owner County: USA
Owner Contact: Bill Shaver
Owner Telephone: (574) 876-2171
Facility ID: 91025083
District: Lansing District Office
Contact: WILLIAM FLECKENSTEIN
Facility Phone: (313) 233-3889
Tank ID: 1
Tank Status: Currently In Use
Capacity: 15000
Install Date: Nov 27 1985
Close Date: Not reported
Content: Diesel
Latitude: 42.9925190000
Longitude: -83.6777030000
Date of Collection: 01-11-2001
Accuracy: 100
Accuracy Value Unit: FEET
Horizontal Datum: NAD83
Source: STATE OF MICHIGAN
Point Line Area: POINT
Description of Category: Plant Entrance (Freight)
Method of Collection: Address Matching-House Nu

Type: ACTIVE
Owner Name: Atlas Oil
Owner Address: 24501 Ecorse Rd
Owner City,St,Zip: Taylor, MI 48180-1641
Owner County: USA
Owner Contact: Bill Shaver
Owner Telephone: (574) 876-2171
Facility ID: 91025083
District: Lansing District Office
Contact: WILLIAM FLECKENSTEIN
Facility Phone: (313) 233-3889
Tank ID: 2
Tank Status: Currently In Use
Capacity: 15000
Install Date: Nov 27 1985
Close Date: Not reported
Content: Diesel
Latitude: 42.9925190000
Longitude: -83.6777030000
Date of Collection: 01-11-2001
Accuracy: 100
Accuracy Value Unit: FEET
Horizontal Datum: NAD83
Source: STATE OF MICHIGAN

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

PHIL FLINT OIL CO (Continued)

A100000249

Point Line Area: POINT
Description of Category: Plant Entrance (Freight)
Method of Collection: Address Matching-House Nu

Type: ACTIVE
Owner Name: Atlas Oil
Owner Address: 24501 Ecorse Rd
Owner City,St,Zip: Taylor, MI 48180-1641
Owner County: USA
Owner Contact: Bill Shaver
Owner Telephone: (574) 876-2171
Facility ID: 91025083
District: Lansing District Office
Contact: WILLIAM FLECKENSTEIN
Facility Phone: (313) 233-3889
Tank ID: 3
Tank Status: Currently In Use
Capacity: 30000
Install Date: Nov 27 1985
Close Date: Not reported
Content: Gasoline
Latitude: 42.9925190000
Longitude: -83.6777030000
Date of Collection: 01-11-2001
Accuracy: 100
Accuracy Value Unit: FEET
Horizontal Datum: NAD83
Source: STATE OF MICHIGAN
Point Line Area: POINT
Description of Category: Plant Entrance (Freight)
Method of Collection: Address Matching-House Nu

Type: ACTIVE
Owner Name: Atlas Oil
Owner Address: 24501 Ecorse Rd
Owner City,St,Zip: Taylor, MI 48180-1641
Owner County: USA
Owner Contact: Bill Shaver
Owner Telephone: (574) 876-2171
Facility ID: 91025083
District: Lansing District Office
Contact: WILLIAM FLECKENSTEIN
Facility Phone: (313) 233-3889
Tank ID: 4
Tank Status: Currently In Use
Capacity: 30000
Install Date: Nov 27 1985
Close Date: Not reported
Content: Gasoline
Latitude: 42.9925190000
Longitude: -83.6777030000
Date of Collection: 01-11-2001
Accuracy: 100
Accuracy Value Unit: FEET
Horizontal Datum: NAD83
Source: STATE OF MICHIGAN
Point Line Area: POINT

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

PHIL FLINT OIL CO (Continued)

A100000249

Description of Category: Plant Entrance (Freight)
Method of Collection: Address Matching-House Nu

Type: ACTIVE
Owner Name: Atlas Oil
Owner Address: 24501 Ecorse Rd
Owner City,St,Zip: Taylor, MI 48180-1641
Owner County: USA
Owner Contact: Bill Shaver
Owner Telephone: (574) 876-2171
Facility ID: 91025083
District: Lansing District Office
Contact: WILLIAM FLECKENSTEIN
Facility Phone: (313) 233-3889
Tank ID: 5
Tank Status: Currently In Use
Capacity: 30000
Install Date: Nov 27 1985
Close Date: Not reported
Content: Gasoline
Latitude: 42.9925190000
Longitude: -83.6777030000
Date of Collection: 01-11-2001
Accuracy: 100
Accuracy Value Unit: FEET
Horizontal Datum: NAD83
Source: STATE OF MICHIGAN
Point Line Area: POINT
Description of Category: Plant Entrance (Freight)
Method of Collection: Address Matching-House Nu

Type: ACTIVE
Owner Name: Atlas Oil
Owner Address: 24501 Ecorse Rd
Owner City,St,Zip: Taylor, MI 48180-1641
Owner County: USA
Owner Contact: Bill Shaver
Owner Telephone: (574) 876-2171
Facility ID: 91025083
District: Lansing District Office
Contact: WILLIAM FLECKENSTEIN
Facility Phone: (313) 233-3889
Tank ID: 6
Tank Status: Currently In Use
Capacity: 30000
Install Date: Nov 27 1985
Close Date: Not reported
Content: Gasoline
Latitude: 42.9925190000
Longitude: -83.6777030000
Date of Collection: 01-11-2001
Accuracy: 100
Accuracy Value Unit: FEET
Horizontal Datum: NAD83
Source: STATE OF MICHIGAN
Point Line Area: POINT
Description of Category: Plant Entrance (Freight)

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

PHIL FLINT OIL CO (Continued)

A100000249

Method of Collection: Address Matching-House Nu

D13
NNE
1/8-1/4
0.158 mi.
834 ft.

ATLAS OIL CO
140 W LIVINGSTON
FLINT, MI 48503

RCRA-CESQG

1007102080
MIP200001259

Site 2 of 2 in cluster D

Relative:
Higher

RCRA-CESQG:

Date form received by agency: 02/01/2005

Facility name: ATLAS OIL CO

Facility address: 140 W LIVINGSTON
FLINT, MI 48503

EPA ID: MIP200001259

Mailing address: 24501 ECORSE RD
TAYLOR, MI 48180

Contact: ROY GANTT

Contact address: 140 W LIVINGSTON
FLINT, MI 48503

Contact country: Not reported

Contact telephone: (313) 292-5500

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: ATLAS OIL COMPANY

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: 06/01/2004

Owner/Op end date: Not reported

Owner/operator name: ATLAS OIL COMPANY

Owner/operator address: Not reported

Owner/operator country: Not reported

Owner/operator telephone: Not reported

Legal status: Private

Owner/Operator Type: Operator

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

ATLAS OIL CO (Continued)

1007102080

Owner/Op start date: 06/01/2004
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
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

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: 01/01/1980
Facility name: ATLAS OIL CO
Classification: Conditionally Exempt Small Quantity Generator

Violation Status: No violations found

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

E14
SE
1/8-1/4
0.166 mi.
876 ft.
FINATEC LLC
3841 S SAGINAW ST
FLINT, MI 48507
Site 1 of 2 in cluster E

LUST **U003330665**
N/A

Relative:
Higher

LUST:

Facility ID: 00018389
Source: STATE OF MICHIGAN
Owner Name: FinaTec LLC
Owner Address: 2594 Hunter Bluff
Owner City,St,Zip: Bloomfield, MI 48304
Owner Contact: Not reported
Owner Phone: (810) 955-2826
Country: USA
District: Lansing District Office
Site Name: Citgo
Latitude: 42.9884820000
Longitude: -83.6759720000
Date of Collection: 01-12-1998
Method of Collection: GPS Code Meas. Standard Positioning Service SA Off
Accuracy: 10
Accuracy Value Unit: METERS
Horizontal Data: NAD83
Point Line Area: POINT
Desc Category: Plant Entrance (Freight)

Leak Number: C-1106-97
Release Date: Nov 24 1997
Substance Released: Unknown,Unknown
Release Status: Closed
Release Closed Date: Mar 16 1999

E15
SE
1/8-1/4
0.166 mi.
876 ft.
FINATEC LLC
3841 S SAGINAW ST
FLINT, MI 48507
Site 2 of 2 in cluster E

UST **U004110881**
N/A

Relative:
Higher

UST:

Facility ID: 00018389
Facility Type: ACTIVE
Latitude: 42.9884820000
Longitude: -83.6759720000
Owner Name: FinaTec LLC
Owner Address: 2594 Hunter Bluff
Owner City,St,Zip: Bloomfield, MI 48304
Owner Country: USA
Owner Contact: Not reported
Owner Phone: (810) 955-2826
Contact: Nuri Teer
Contact Phone: (810) 955-2836
Date of Collection: 01-12-1998
Accuracy: 10
Accuracy Value Unit: METERS
Horizontal Datum: NAD83
Source: STATE OF MICHIGAN
Point Line Area: POINT
Desc Category: Plant Entrance (Freight)
Method of Collection: GPS Code Meas. Standard Positioning Service SA Off

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

FINATEC LLC (Continued)

U004110881

Tank ID: 5
Tank Status: **Currently In Use**
Capacity: 12000
Install Date: Nov 6 1997
Product: Gasoline
Remove Date: Not reported
Tank Release Detection: Automatic Tank Gauging
Pipe Realease Detection: Automatic Line Leak Detectors
Piping Material: Fiberglass reinforced plastic
Piping Type: Pressure
Constr Material: Composite(Steel w/Fiberglass)
Impressed Device: No

Tank ID: 6
Tank Status: **Currently In Use**
Capacity: 8000
Install Date: Nov 6 1997
Product: Gasoline
Remove Date: Not reported
Tank Release Detection: Automatic Tank Gauging
Pipe Realease Detection: Automatic Line Leak Detectors
Piping Material: Fiberglass reinforced plastic
Piping Type: Pressure
Constr Material: Composite(Steel w/Fiberglass)
Impressed Device: No

Tank ID: 7
Tank Status: **Currently In Use**
Capacity: 3000
Install Date: Nov 6 1997
Product: Diesel
Remove Date: Not reported
Tank Release Detection: Automatic Tank Gauging
Pipe Realease Detection: Automatic Line Leak Detectors
Piping Material: Fiberglass reinforced plastic
Piping Type: Pressure
Constr Material: Cathodically Protected Steel
Impressed Device: No

Tank ID: 25-01-08
Tank Status: **Removed from Ground**
Capacity: 8000
Install Date: May 7 1974
Product: Gasoline
Remove Date: Nov 6 1997
Tank Release Detection: Not reported
Pipe Realease Detection: Not reported
Piping Material: Galvanized Steel
Piping Type: Suction: No Valve At Tank
Constr Material: Asphalt Coated or Bare Steel
Impressed Device: No

Tank ID: 25-02-08

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

FINATEC LLC (Continued)

U004110881

Tank Status: Removed from Ground
Capacity: 8000
Install Date: May 7 1974
Product: Gasoline
Remove Date: Nov 6 1997
Tank Release Detection: Not reported
Pipe Realease Detection: Not reported
Piping Material: Galvanized Steel
Piping Type: Suction: No Valve At Tank
Constr Material: Asphalt Coated or Bare Steel
Impressed Device: No

Tank ID: 25-03-08
Tank Status: Removed from Ground
Capacity: 8000
Install Date: May 7 1974
Product: Gasoline
Remove Date: Nov 6 1997
Tank Release Detection: Not reported
Pipe Realease Detection: Not reported
Piping Material: Galvanized Steel
Piping Type: Suction: No Valve At Tank
Constr Material: Asphalt Coated or Bare Steel
Impressed Device: No

Tank ID: 25-04-04
Tank Status: Removed from Ground
Capacity: 4000
Install Date: May 7 1974
Product: Diesel
Remove Date: Nov 6 1997
Tank Release Detection: Not reported
Pipe Realease Detection: Not reported
Piping Material: Galvanized Steel
Piping Type: Suction: No Valve At Tank
Constr Material: Asphalt Coated or Bare Steel
Impressed Device: No

Tank ID: 25-05-06
Tank Status: Removed from Ground
Capacity: 8000
Install Date: May 7 1974
Product: Gasoline
Remove Date: Jul 1 1988
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

EDR ID Number
EPA ID Number

F16
NNE
1/8-1/4
0.193 mi.
1022 ft.

MAGTICO
3460 N SAGINAW ST
FLINT, MI 48505
Site 1 of 2 in cluster F

RCRA-NonGen
FINDS
1000411512
MID985566066

Relative:
Higher

RCRA-NonGen:

Date form received by agency: 05/04/1988

Facility name: MAGTICO

Facility address: 3460 N SAGINAW ST

FLINT, MI 48505

EPA ID: MID985566066

Mailing address: 5345 CALKINS RD

FLINT, MI 48532

Contact: PETER SINCLAIR

Contact address: 3460 N SAGINAW ST

FLINT, MI 48505

Contact country: Not reported

Contact telephone: (313) 736-0961

Contact email: Not reported

EPA Region: 05

Classification: Non-Generator

Description: Handler: Non-Generators do not presently generate hazardous waste

Owner/Operator Summary:

Owner/operator name: NAME NOT REPORTED

Owner/operator address: Not reported

Not reported

Owner/operator country: Not reported

Owner/operator telephone: Not reported

Legal status: Private

Owner/Operator Type: Operator

Owner/Op start date: 01/01/1970

Owner/Op end date: Not reported

Owner/operator name: MAGTICO

Owner/operator address: Not reported

Not reported

Owner/operator country: Not reported

Owner/operator telephone: Not reported

Legal status: Private

Owner/Operator Type: Owner

Owner/Op start date: 01/01/1970

Owner/Op end date: Not reported

Handler Activities Summary:

U.S. Importer of hazardous waste: No

Mixed waste (haz. and radioactive): No

Recycler of hazardous waste: No

Transporter of hazardous waste: No

Treater, storer or disposer of HW: No

Underground injection activity: No

On-site burner exemption: No

Furnace exemption: No

Used oil fuel burner: No

Used oil processor: No

User oil refiner: No

Used oil fuel marketer to burner: No

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

MAGTICO (Continued)

1000411512

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

FINDS:

Registry ID: 110003634103

Environmental Interest/Information System

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

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

F17
NNE
1/8-1/4
0.201 mi.
1061 ft.

NOVAKS DON COLLISION INC
G3447 S SAGINAW ST
BURTON, MI 48529

RCRA-NonGen **1000147222**
FINDS **MID084295070**

Site 2 of 2 in cluster F

Relative:
Higher

RCRA-NonGen:

Date form received by agency: 09/26/2000

Facility name: NOVAKS DON COLLISION INC

Facility address: G3447 S SAGINAW ST

BURTON, MI 48529

EPA ID: MID084295070

Contact: DON NOVAK

Contact address: G3447 S SAGINAW ST

BURTON, MI 48529

Contact country: Not reported

Contact telephone: (313) 743-9981

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: Owner

Owner/Op start date: 01/01/1996

Owner/Op end date: Not reported

Owner/operator name: NO ACTIVE O/OP AS NOT GENERATING WASTE

Owner/operator address: Not reported

Not reported

Owner/operator country: Not reported

Owner/operator telephone: Not reported

Legal status: Private

Owner/Operator Type: Operator

Owner/Op start date: 01/01/1996

Owner/Op end date: Not reported

Handler Activities Summary:

U.S. importer of hazardous waste: No

Mixed waste (haz. and radioactive): No

Recycler of hazardous waste: No

Transporter of hazardous waste: No

Treater, storer or disposer of HW: No

Underground injection activity: No

On-site burner exemption: No

Furnace exemption: No

Used oil fuel burner: No

Used oil processor: No

User oil refiner: No

Used oil fuel marketer to burner: No

Used oil Specification marketer: No

Used oil transfer facility: No

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

NOVAKS DON COLLISION INC (Continued)

1000147222

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: 08/22/1986
Facility name: NOVAKS DON COLLISION INC
Classification: Not a generator, verified

Violation Status: No violations found

FINDS:

Registry ID: 110003605929

Environmental Interest/Information System

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

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

18
NNE
1/8-1/4
0.220 mi.
1160 ft.

BURTON HEATING & AIR CONDITIONIN
3414 S SAGINAW ST
BURTON, MI 48439

UST U003211867
N/A

Relative:
Higher

UST:

Actual:
758 ft.

Facility ID: 00039175
Facility Type: CLOSED
Latitude: 42.9931930000
Longitude: -83.6774750000
Owner Name: George Parker
Owner Address: 6190 Atlas Rd
Owner City,St,Zip: Grand Blanc, MI 48439-9722
Owner Country: USA
Owner Contact: Not reported
Owner Phone: (810) 636-7247
Contact: Not reported
Contact Phone: () -
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: Diesel
Remove Date: Nov 1 1996
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

19
North
1/8-1/4
0.234 mi.
1234 ft.

TAYSTEE BAKING/METZ BAKING CO
G-3341 S SAGINAW
BURTON, MI 48210

UST U000253449
N/A

Relative:
Higher

UST:

Actual:
758 ft.

Facility ID: 00008989
Facility Type: CLOSED
Latitude: 42.9936810000
Longitude: -83.6772120000
Owner Name: Taystee Baking Div Of Metz Bakin
Owner Address: 5721 Martin St
Owner City,St,Zip: Detroit, MI 48210-1608
Owner Country: USA
Owner Contact: Not reported
Owner Phone: (313) 896-3400
Contact: JAN R MILLEN
Contact Phone: (313) 896-3400

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

TAYSTEE BAKING/METZ BAKING CO (Continued)

U000253449

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: Apr 10 1973
Product: Gasoline
Remove Date: Oct 9 1990
Tank Release Detection: Not reported
Pipe Release Detection: Not reported
Piping Material: Galvanized Steel
Piping Type: Not reported
Constr Material: Asphalt Coated or Bare Steel
Impressed Device: No

G20
SSE
1/8-1/4
0.236 mi.
1246 ft.

RITE AID OF MICHIGAN INC
G 4007 S SAGINAW
BURTON, MI 48529
Site 1 of 3 in cluster G

RCRA-NonGen **1001220171**
FINDS **MIR000031484**

Relative:
Higher

RCRA-NonGen:

Actual:
762 ft.

Date form received by agency: 09/30/2005
Facility name: RITE AID OF MICHIGAN INC
Facility address: G 4007 S SAGINAW
BURTON, MI 48529
EPA ID: MIR000031484
Mailing address: 4020 STIRRUP CREEK DR
DURHAM, NC 27703
Contact: DARRELL BRADFELD
Contact address: G 4007 S SAGINAW
BURTON, MI 48529
Contact country: Not reported
Contact telephone: (919) 484-3656
Contact email: Not reported
EPA Region: 05
Land type: Private
Classification: Non-Generator
Description: Handler: Non-Generators do not presently generate hazardous waste

Owner/Operator Summary:

Owner/operator name: RITE AID 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: 04/02/1998
Owner/Op end date: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

RITE AID OF MICHIGAN INC (Continued)

1001220171

Owner/operator name: RITE AID CORP
Owner/operator address: Not reported
Owner/operator country: Not reported
Owner/operator telephone: Not reported
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: 04/02/1998
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
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

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

RITE AID OF MICHIGAN INC (Continued)

1001220171

Historical Generators:

Date form received by agency: 04/01/1998
Facility name: RITE AID OF MICHIGAN INC
Classification: Not a generator, verified

Violation Status: No violations found

Evaluation Action Summary:

Evaluation date: 03/31/2005
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

FINDS:

Registry ID: 110003705517

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.

21
WSW
1/8-1/4
0.240 mi.
1266 ft.

MI DEPT/TRANSPORTATION
I-475 OVER ATHERTON RD
FLINT, MI 48501

RCRA-NonGen **1001228741**
FINDS **MIR000034173**

Relative:
Higher

RCRA-NonGen:

Date form received by agency: 02/28/2001
Facility name: MI DEPT/TRANSPORTATION
Facility address: I-475 OVER ATHERTON RD
FLINT, MI 48501
EPA ID: MIR000034173
Mailing address: 9495 E POTTER RD
DAVISON, MI 48423
Contact: ARMONDO LOPEZ JR
Contact address: I-475 OVER ATHERTON RD
FLINT, MI 48501
Contact country: Not reported
Contact telephone: (810) 653-7470
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: MICH DEPT OF TRANSPORTATION
Owner/operator address: Not reported
Not reported
Owner/operator country: Not reported
Owner/operator telephone: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

MI DEPT/TRANSPORTATION (Continued)

1001228741

Legal status: State
Owner/Operator Type: Operator
Owner/Op start date: 01/01/1971
Owner/Op end date: Not reported

Owner/operator name: MICH DEPT OF TRANSPORTATION
Owner/operator address: Not reported
Not reported
Owner/operator country: Not reported
Owner/operator telephone: Not reported
Legal status: State
Owner/Operator Type: Owner
Owner/Op start date: 01/01/1971
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

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

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

MI DEPT/TRANSPORTATION (Continued)

1001228741

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: 10/10/2000

Facility name: MI DEPT/TRANSPORTATION

Classification: Not a generator, verified

Date form received by agency: 08/10/1998

Facility name: MI DEPT/TRANSPORTATION

Classification: Not a generator, verified

Violation Status: No violations found

FINDS:

Registry ID: 110007593318

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.

G22
SSE
1/4-1/2
0.251 mi.
1328 ft.

SPRING DRUG STORE
4007 S SAGINAW
BURTON, MI 99999

Site 2 of 3 in cluster G

LUST S102851978
N/A

Relative:
Higher

LUST:

Facility ID: 50002159
Source: STATE OF MICHIGAN
Owner Name: Nrt Owner
Owner Address: Unknown
Owner City,St,Zip: Unknown, MI 99999
Owner Contact: Not reported
Owner Phone: Not reported
Country: USA
District: Lansing District Office
Site Name: Spring Drug Store
Latitude: 42.9871380000
Longitude: -83.6756550000
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-1229-97

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

SPRING DRUG STORE (Continued)

S102851978

Release Date: Dec 9 1997
Substance Released: Unknown
Release Status: Open
Release Closed Date: Not reported

G23
SSE
1/4-1/2
0.251 mi.
1328 ft.

SPRING'S DRUG STORE
4007 S. SAGINAW ROAD
BURTON, MI

Site 3 of 3 in cluster G

BEA S105094899
N/A

Relative:
Higher

BEA:

Secondary Address: Not reported
BEA Number: 188

Actual:
762 ft.

District: Lansing
Date Received: 11/12/1997
Submitter Name: Arkan F. Jonna
Petition Determination: Affirmed
Petition Disclosure: 1
Category: No Hazardous Substance(s)
Determination 20107A: Affirmed
Reviewer: temppm
Division Assigned: Storage Tank Division

24
WSW
1/4-1/2
0.266 mi.
1402 ft.

SAM KALLABAT
602 W ATHERTON RD
FLINT, MI 48507

LUST U003082577
UST N/A

Relative:
Higher

LUST:

Facility ID: 00018705
Source: STATE OF MICHIGAN
Owner Name: Sam Kallabat
Owner Address: 602 W Atherton
Owner City,St,Zip: Flint, MI 48507
Owner Contact: Not reported
Owner Phone: (810) 233-8230
Country: USA
District: Lansing District Office
Site Name: Brandon's Service
Latitude: 42.9888120000
Longitude: -83.6836490000
Date of Collection: 26-07-2005
Method of Collection: GPS Code Meas. Standard Positioning Service SA Off
Accuracy: 10
Accuracy Value Unit: METERS
Horizontal Data: NAD83
Point Line Area: POINT
Desc Category: Plant Entrance (Freight)

Leak Number: C-0025-90
Release Date: Jan 5 1990
Substance Released: Not reported
Release Status: Open
Release Closed Date: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

SAM KALLABAT (Continued)

U003082577

Leak Number: C-0037-90
Release Date: Jan 8 1990
Substance Released: Not reported
Release Status: Open
Release Closed Date: Not reported

Leak Number: C-1052-89
Release Date: Dec 7 1989
Substance Released: Not reported
Release Status: Open
Release Closed Date: Not reported

UST:

Facility ID: 00018705
Facility Type: ACTIVE
Latitude: 42.9888120000
Longitude: -83.6836490000
Owner Name: Sam Kallabat
Owner Address: 602 W Atherton
Owner City,St,Zip: Flint, MI 48507
Owner Country: USA
Owner Contact: Not reported
Owner Phone: (810) 233-8230
Contact: Sam Kallabat
Contact Phone: (810) 233-8230
Date of Collection: 26-07-2005
Accuracy: 10
Accuracy Value Unit: METERS
Horizontal Datum: NAD83
Source: STATE OF MICHIGAN
Point Line Area: POINT
Desc Category: Plant Entrance (Freight)
Method of Collection: GPS Code Meas. Standard Positioning Service SA Off

Tank ID: 6
Tank Status: **Removed from Ground**
Capacity: 500
Install Date: Mar 1 1990
Product: Used Oil
Remove Date: Jan 6 2005
Tank Release Detection: Automatic Tank Gauging
Pipe Realease Detection: Not reported
Piping Material: Bare Steel
Piping Type: Not reported
Constr Material: Asphalt Coated or Bare Steel
Impressed Device: Yes

Tank ID: 7
Tank Status: **Removed from Ground**
Capacity: 500
Install Date: Jan 1 1990
Product: Used Oil
Remove Date: Jan 6 2005
Tank Release Detection: Automatic Tank Gauging
Pipe Realease Detection: Not reported
Piping Material: Bare Steel
Piping Type: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

SAM KALLABAT (Continued)

U003082577

Constr Material: Asphalt Coated or Bare Steel
Impressed Device: Yes

Tank ID: 1
Tank Status: Removed from Ground
Capacity: 4000
Install Date: Apr 14 1961
Product: Diesel
Remove Date: Mar 1 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: 2
Tank Status: Removed from Ground
Capacity: 4000
Install Date: Apr 14 1961
Product: Diesel
Remove Date: Mar 1 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
Tank Status: Removed from Ground
Capacity: 4000
Install Date: Apr 14 1961
Product: Diesel
Remove Date: Mar 1 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: 6000
Install Date: Jan 1 1990
Product: Gasoline
Remove Date: Not reported
Tank Release Detection: Automatic Tank Gauging,Groundwater Monitoring,Inter Monitoring Double Walled Tank,Inter Monitoring/Second Containment,Inventory Control,Tank Tightness Testing,Vapor Monitoring
Pipe Realease Detection: Automatic Line Leak Detectors,GroundWater Monitoring,Interstitial Monitoring Double Walled Piping,Line Tightness Testing

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

SAM KALLABAT (Continued)

U003082577

Piping Material: Cathodically Protected
Piping Type: Suction: Valve at Tank
Constr Material: Cathodically Protected Steel
Impressed Device: Yes

Tank ID: 5
Tank Status: Currently In Use
Capacity: 10000
Install Date: Mar 1 1990
Product: Gasoline
Remove Date: Not reported
Tank Release Detection: Automatic Tank Gauging,Groundwater Monitoring,Inter Monitoring Double Walled Tank,Inter Monitoring/Second Containment,Inventory Control,Tank Tightness Testing,Vapor Monitoring
Pipe Realease Detection: Automatic Line Leak Detectors,GroundWater Monitoring,Interstitial Monitoring Double Walled Piping,Line Tightness Testing
Piping Material: Cathodically Protected
Piping Type: Suction: Valve at Tank
Constr Material: Cathodically Protected Steel
Impressed Device: Yes

H25
NNE
1/4-1/2
0.273 mi.
1440 ft.
3283 SOUTH SAGINAW STREET
3283 SOUTH SAGINAW STREET
BURTON, MI
Site 1 of 2 in cluster H

BEA **S105094931**
N/A

Relative: BEA:
Higher Secondary Address: Not reported
BEA Number: 520
Actual: District: Lansing
760 ft. Date Received: 2/1/2001 12:59:00 AM
Submitter Name: AL-Kass Gorial Properties, Inc.
Petition Determination: No Request
Petition Disclosure: 0
Category: No Hazardous Substance(s)
Determination 20107A: No Request
Reviewer: innesj
Division Assigned: Storage Tank Division

H26
NNE
1/4-1/2
0.273 mi.
1440 ft.
FORMER JERRY'S STANDARD
3283 S SAGINAW ST
BURTON, MI 48529
Site 2 of 2 in cluster H

LUST **S105003665**
N/A

Relative: LUST:
Higher Facility ID: 50002709
Source: STATE OF MICHIGAN
Actual: Owner Name: Former Jerry'S Standard
760 ft. Owner Address: 3283 S SAGINAW ST
Owner City,St,Zip: BURTON, MI 48529
Owner Contact: Not reported
Owner Phone: () -
Country: USA

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

FORMER JERRY'S STANDARD (Continued)

S105003665

District: Lansing District Office
Site Name: Former Jerry's Standard
Latitude: 42.9811090000
Longitude: -83.6740160000
Date of Collection: 26-07-2005
Method of Collection: GPS Code Meas. Standard Positioning Service SA Off
Accuracy: 100
Accuracy Value Unit: FEET
Horizontal Data: NAD83
Point Line Area: POINT
Desc Category: Plant Entrance (Freight)

Leak Number: C-0030-01
Release Date: Feb 2 2001
Substance Released: Other
Release Status: Open
Release Closed Date: Not reported

I27
SSE
1/4-1/2
0.276 mi.
1457 ft.

**LETAVIS CLOTH WASH
4068 S SAGINAW ST
FLINT, MI 48473**

Site 1 of 2 in cluster I

**LUST U000253207
UST N/A**

**Relative:
Higher**

LUST:
Facility ID: 00034815
Source: STATE OF MICHIGAN
Owner Name: Letavis Enterprises Inc
Owner Address: 8478 MILLER RD P O BOX 27
Owner City,St,Zip: SWARTZ CREEK, MI 48473
Owner Contact: Not reported
Owner Phone: (810) 635-7013
Country: USA
District: Lansing District Office
Site Name: Letavis Cloth Wash, S. Saginaw
Latitude: 42.9866850000
Longitude: -83.6759270000
Date of Collection: 01-11-2001
Method of Collection: Address Matching-House Number
Accuracy: 100
Accuracy Value Unit: FEET
Horizontal Data: NAD83
Point Line Area: POINT
Desc Category: Plant Entrance (Freight)

**Actual:
762 ft.**

Leak Number: C-0668-93
Release Date: May 27 1993
Substance Released: Gasoline
Release Status: Open
Release Closed Date: Not reported

UST:
Facility ID: 00034815
Facility Type: CLOSED
Latitude: 42.9866850000
Longitude: -83.6759270000
Owner Name: Letavis Enterprises Inc
Owner Address: 8478 MILLER RD P O BOX 27
Owner City,St,Zip: SWARTZ CREEK, MI 48473

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

LETAVIS CLOTH WASH (Continued)

U000253207

Owner Country: USA
Owner Contact: Not reported
Owner Phone: (810) 635-7013
Contact: Not reported
Contact Phone: () -
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: Not reported
Product: Gasoline
Remove Date: Nov 8 1994
Tank Release Detection: Not reported
Pipe Release Detection: Not reported
Piping Material: Galvanized Steel
Piping Type: Suction: Valve at Tank
Constr Material: Asphalt Coated or Bare Steel
Impressed Device: No

Tank ID: 2
Tank Status: Removed from Ground
Capacity: 10000
Install Date: Not reported
Product: Gasoline
Remove Date: Nov 8 1994
Tank Release Detection: Not reported
Pipe Release Detection: Not reported
Piping Material: Galvanized Steel
Piping Type: Suction: Valve at Tank
Constr Material: Asphalt Coated or Bare Steel
Impressed Device: No

Tank ID: 3
Tank Status: Removed from Ground
Capacity: 10000
Install Date: Not reported
Product: Gasoline
Remove Date: Nov 8 1994
Tank Release Detection: Not reported
Pipe Release Detection: Not reported
Piping Material: Galvanized Steel
Piping Type: Suction: Valve at Tank
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

28
ESE
1/4-1/2
0.277 mi.
1463 ft.

FIRE STATION #8
202 E ATHERTON RD
FLINT, MI 48507

LUST **U003081897**
UST **N/A**

Relative:
Higher

Actual:
757 ft.

LUST:

Facility ID: 00007357
Source: STATE OF MICHIGAN
Owner Name: City of Flint Fire Department
Owner Address: 310 East 5th Street
Owner City,St,Zip: Flint, MI 48502
Owner Contact: Not reported
Owner Phone: (810) 762-7336
Country: USA
District: Lansing District Office
Site Name: Fire Station #8
Latitude: 42.9887580000
Longitude: -83.6731680000
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-0327-00
Release Date: Mar 31 2000
Substance Released: Unknown
Release Status: Open
Release Closed Date: Not reported

UST:

Facility ID: 00007357
Facility Type: ACTIVE
Latitude: 42.9887580000
Longitude: -83.6731680000
Owner Name: City of Flint Fire Department
Owner Address: 310 East 5th Street
Owner City,St,Zip: Flint, MI 48502
Owner Country: USA
Owner Contact: Not reported
Owner Phone: (810) 762-7336
Contact: CAPT RON STAMPS
Contact Phone: (810) 762-7364
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-D
Tank Status: Currently In Use
Capacity: 100
Install Date: Mar 13 1968
Product: Diesel

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

FIRE STATION #8 (Continued)

U003081897

Remove Date: Not reported
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: 8-G
Tank Status: Removed from Ground
Capacity: 1000
Install Date: Mar 13 1982
Product: Diesel
Remove Date: Mar 22 2000
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

I29
SSE
1/4-1/2
0.291 mi.
1535 ft.

GREAT LAKES TECHNOLOGY CENTER
4100 S SAGINAW ST
FLINT, MI 48507
Site 2 of 2 in cluster I

LUST **U003211668**
UST **N/A**

Relative:
Higher

Actual:
762 ft.

LUST:
Facility ID: 00032907
Source: STATE OF MICHIGAN
Owner Name: Gm Corp
Owner Address: 4100 S Saginaw St
Owner City,St,Zip: Flint, MI 48557-0001
Owner Contact: Not reported
Owner Phone: (810) 236-4154
Country: USA
District: Lansing District Office
Site Name: Great Lakes Technology Center
Latitude: 42.9862170000
Longitude: -83.6758130000
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-0623-99
Release Date: Jun 28 1999
Substance Released: Unknown
Release Status: Closed
Release Closed Date: Feb 10 2000

UST:
Facility ID: 00032907
Facility Type: CLOSED

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

GREAT LAKES TECHNOLOGY CENTER (Continued)

U003211668

Latitude: 42.9862170000
Longitude: -83.6758130000
Owner Name: Gm Corp
Owner Address: 4100 S Saginaw St
Owner City,St,Zip: Flint, MI 48557-0001
Owner Country: USA
Owner Contact: Not reported
Owner Phone: (810) 236-4154
Contact: TOMOTHY BLOCK
Contact Phone: (810) 234-4906
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: 3
Tank Status: **Removed from Ground**
Capacity: 6000
Install Date: Sep 12 1989
Product: Gasoline
Remove Date: Jun 15 1999
Tank Release Detection: Automatic Tank Gauging,Inter Monitoring Double Walled Tank
Pipe Realease Detection: Interstitial Monitoring Double Walled Piping
Piping Material: Galvanized Steel
Piping Type: Suction: Valve at Tank
Constr Material: Cathodically Protected Steel
Impressed Device: No

Tank ID: 2
Tank Status: **Removed from Ground**
Capacity: 6000
Install Date: Sep 12 1989
Product: Gasoline
Remove Date: Jun 15 1999
Tank Release Detection: Automatic Tank Gauging,Inter Monitoring Double Walled Tank
Pipe Realease Detection: Automatic Line Leak Detectors,Interstitial Monitoring Double Walled Piping
Piping Material: Galvanized Steel
Piping Type: Suction: Valve at Tank
Constr Material: Cathodically Protected Steel
Impressed Device: No

Tank ID: 1
Tank Status: **Removed from Ground**
Capacity: 12000
Install Date: Sep 12 1989
Product: Gasoline
Remove Date: Jun 15 1999
Tank Release Detection: Automatic Tank Gauging,Inter Monitoring Double Walled Tank
Pipe Realease Detection: Automatic Line Leak Detectors
Piping Material: Galvanized Steel

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

GREAT LAKES TECHNOLOGY CENTER (Continued)

U003211668

Piping Type: Suction: Valve at Tank
Constr Material: Cathodically Protected Steel
Impressed Device: No

J30
SSE
1/4-1/2
0.380 mi.
2006 ft.

GMC FISHER BODY DIV FLINT PLT
4300 S SAGINAW ST
FLINT, MI 48557
Site 1 of 2 in cluster J

RCRA-TSDF
CERC-NFRAP
CORRACTS
RCRA-SQG
FINDS
LUST
UST
MANIFEST

1000114184
MID005356738

Relative:
Higher

Actual:
763 ft.

RCRA-TSDF:
Date form received by agency: 07/27/2006
Facility name: GENERAL MOTORS CORPORATION
Facility address: 4300 S SAGINAW ST
FLINT, MI 48507
EPA ID: MID005356738
Mailing address: 2000 CENTERPOINT PARKWAY
PONTIAC, MI 48341
Contact: DAVID WORRELL
Contact address: 4300 S SAGINAW ST
FLINT, MI 48507
Contact country: Not reported
Contact telephone: (248) 753-5702
Contact email: Not reported
EPA Region: 05
Land type: Private
Classification: TSDF
Description: Handler is engaged in the treatment, storage or disposal of hazardous waste
TSD commencement date: Not reported

Owner/Operator Summary:

Owner/operator name: GMC FISHER BODY FLINT PLANT
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: 01/01/1901
Owner/Op end date: Not reported

Owner/operator name: GMC FISHER BODY FLINT PLANT
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: 01/01/1901
Owner/Op end date: Not reported

Handler Activities Summary:

U.S. importer of hazardous waste: No

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

GMC FISHER BODY DIV FLINT PLT (Continued)

1000114184

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: 09/11/2002
Facility name: GENERAL MOTORS CORPORATION
Classification: Small Quantity Generator

Date form received by agency: 12/31/2001
Facility name: GENERAL MOTORS CORPORATION
Classification: Small Quantity Generator

Date form received by agency: 07/28/1995
Facility name: GENERAL MOTORS CORPORATION

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

GMC FISHER BODY DIV FLINT PLT (Continued)

1000114184

Classification: Small Quantity Generator

Date form received by agency: 11/19/1980

Facility name: GENERAL MOTORS CORPORATION

Classification: Small Quantity Generator

Date form received by agency: 08/12/1980

Facility name: GENERAL MOTORS CORPORATION

Classification: Small Quantity Generator

Corrective Action Summary:

Event date: 08/30/1991

Event: RFA Completed

Event date: 08/30/1991

Event: RFA Determination Of Need For An RFI, RFI is Necessary;

Event date: 12/31/1991

Event: CA Prioritization, Facility or area was assigned a low corrective action priority.

Event date: 06/30/1993

Event: CA Prioritization, Facility or area was assigned a medium corrective action priority.

Event date: 03/31/1994

Event: Stabilization Measures Evaluation, This facility is not amenable to stabilization activity because of a lack of technical data. An evaluation has been completed, but further data is necessary to determine stabilization measures, feasibility or appropriateness. This status should be changed when data becomes available.

Facility Has Received Notices of Violations:

Regulation violated: Not reported

Area of violation: State Statute or Regulation

Date violation determined: 03/23/2005

Date achieved compliance: Not reported

Violation lead agency: State

Enforcement action: WRITTEN INFORMAL

Enforcement action date: 03/23/2005

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: 03/30/1989

Date achieved compliance: 04/21/1991

Violation lead agency: State

Enforcement action: WRITTEN INFORMAL

Enforcement action date: 03/31/1989

Enf. disposition status: Not reported

Enf. disp. status date: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

GMC FISHER BODY DIV FLINT PLT (Continued)

1000114184

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

Evaluation Action Summary:

Evaluation date: 03/23/2005
Evaluation: NON-FINANCIAL RECORD REVIEW
Area of violation: State Statute or Regulation
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 03/30/1989
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Generators - General
Date achieved compliance: 04/21/1991
Evaluation lead agency: State

Evaluation date: 05/12/1988
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 04/23/1986
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 06/06/1985
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

CERC-NFRAP:

Site ID: 0507421
Federal Facility: Not a Federal Facility
NPL Status: Not on the NPL
Non NPL Status: Deferred to RCRA

CERCLIS-NFRAP Site Contact Name(s):

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

Program Priority:

Description: Great Lakes
Description: RCRA Deferral Audit
Description: RCRA Deferral - Lead Confirmed

CERCLIS-NFRAP Assessment History:

Action: DISCOVERY

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

GMC FISHER BODY DIV FLINT PLT (Continued)

1000114184

Date Started: Not reported
Date Completed: 02/18/1993
Priority Level: Not reported

Action: PRELIMINARY ASSESSMENT
Date Started: Not reported
Date Completed: 01/05/1994
Priority Level: Deferred to RCRA (Subtitle C)

Action: ARCHIVE SITE
Date Started: Not reported
Date Completed: 12/18/1995
Priority Level: Not reported

CORRACTS:

EPA ID: MID005356738
EPA Region: 05
Area Name: ENTIRE FACILITY
Actual Date: 3/31/1994
Action: CA225IN - Stabilization Measures Evaluation, This facility is not, amenable to stabilization activity because of, a lack of technical data. An evaluation has been completed, but further data is necessary to determine stabilization measures, feasibility or appropriateness. This status should be changed when data becomes available

NAICS Code(s): 336111
Automobile Manufacturing
Original schedule date: Not reported
Schedule end date: Not reported

EPA ID: MID005356738
EPA Region: 05
Area Name: ENTIRE FACILITY
Actual Date: 5/1/2009
Action: CA070NO - RFA Determination Of Need For An RFI, RFI is Not Necessary
NAICS Code(s): 336111
Automobile Manufacturing
Original schedule date: Not reported
Schedule end date: Not reported

EPA ID: MID005356738
EPA Region: 05
Area Name: ENTIRE FACILITY
Actual Date: 6/30/1993
Action: CA075ME - CA Prioritization, Facility or area was assigned a medium corrective action priority
NAICS Code(s): 336111
Automobile Manufacturing
Original schedule date: Not reported
Schedule end date: Not reported

EPA ID: MID005356738
EPA Region: 05
Area Name: ENTIRE FACILITY
Actual Date: 8/30/1991
Action: CA050 - RFA Completed

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

GMC FISHER BODY DIV FLINT PLT (Continued)

1000114184

NAICS Code(s): 336111
Automobile Manufacturing
Original schedule date: Not reported
Schedule end date: Not reported

EPA ID: MID005356738
EPA Region: 05
Area Name: ENTIRE FACILITY
Actual Date: 8/30/1991
Action: CA070YE - RFA Determination Of Need For An RFI, RFI is Necessary
NAICS Code(s): 336111
Automobile Manufacturing
Original schedule date: Not reported
Schedule end date: Not reported

EPA ID: MID005356738
EPA Region: 05
Area Name: ENTIRE FACILITY
Actual Date: 12/31/1991
Action: CA075LO - CA Prioritization, Facility or area was assigned a low corrective action priority
NAICS Code(s): 336111
Automobile Manufacturing
Original schedule date: Not reported
Schedule end date: Not reported

FINDS:

Registry ID: 110002118217

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.

LUST:

Facility ID: 00007501
Source: STATE OF MICHIGAN
Owner Name: GMC BOC Flint Body Assembly
Owner Address: 4300 S SAGINAW ST
Owner City,St,Zip: FLINT, MI 48557
Owner Contact: Not reported
Owner Phone: (313) 236-3911
Country: USA
District: Lansing District Office
Site Name: Great Lakes Technology Center
Latitude: 42.9850230000

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

GMC FISHER BODY DIV FLINT PLT (Continued)

1000114184

Longitude: -83.6755310000
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-0044-89
Release Date: Jan 31 1989
Substance Released: Not reported
Release Status: Open
Release Closed Date: Not reported

Leak Number: C-0102-85
Release Date: Nov 30 1987
Substance Released: Not reported
Release Status: Open
Release Closed Date: Not reported

Leak Number: C-0103-85
Release Date: Apr 12 1988
Substance Released: Not reported
Release Status: Open
Release Closed Date: Not reported

UST:

Facility ID: 00007501
Facility Type: CLOSED
Latitude: 42.9850230000
Longitude: -83.6755310000
Owner Name: GMC BOC Flint Body Assembly
Owner Address: 4300 S SAGINAW ST
Owner City,St,Zip: FLINT, MI 48557
Owner Country: USA
Owner Contact: Not reported
Owner Phone: (313) 236-3911
Contact: F.W.RINDHAGE
Contact Phone: (313) 947-9240
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
Capacity: 50000
Install Date: Mar 18 1970
Product: #6 FUEL OIL
Remove Date: Jul 30 1990
Tank Release Detection: Not reported
Pipe Release Detection: Not reported
Piping Material: Bare Steel

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

GMC FISHER BODY DIV FLINT PLT (Continued)

1000114184

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

Tank ID: 3
Tank Status: Removed from Ground
Capacity: 50000
Install Date: Mar 18 1970
Product: #6 FUEL OIL
Remove Date: Jul 30 1990
Tank Release Detection: Not reported
Pipe Realease Detection: Not reported
Piping Material: Bare Steel
Piping Type: Not reported
Constr Material: Asphalt Coated or Bare Steel
Impressed Device: No

Tank ID: 5
Tank Status: Removed from Ground
Capacity: 5000
Install Date: Mar 18 1970
Product: Gasoline
Remove Date: Jul 30 1990
Tank Release Detection: Not reported
Pipe Realease Detection: Not reported
Piping Material: Bare Steel
Piping Type: Not reported
Constr Material: Asphalt Coated or Bare Steel
Impressed Device: No

Tank ID: 1
Tank Status: Removed from Ground
Capacity: 50000
Install Date: Mar 18 1970
Product: #6 FUEL OIL
Remove Date: Jul 30 1990
Tank Release Detection: Not reported
Pipe Realease Detection: Not reported
Piping Material: Bare Steel
Piping Type: Not reported
Constr Material: Asphalt Coated or Bare Steel
Impressed Device: No

Tank ID: 4
Tank Status: Removed from Ground
Capacity: 15000
Install Date: Mar 18 1970
Product: Diesel
Remove Date: Jul 30 1990
Tank Release Detection: Not reported
Pipe Realease Detection: Not reported
Piping Material: Bare Steel, PLASTIC COATING
Piping Type: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

GMC FISHER BODY DIV FLINT PLT (Continued)

1000114184

Constr Material: Asphalt Coated or Bare Steel
Impressed Device: No

NY MANIFEST:

EPA ID: MID005356738
Country: USA
Mailing Name: GENERAL MOTORS CORPORATION-BOC GROUP
Mailing Contact: GENERAL MOTORS CORPORATION-BOC GROUP
Mailing Address: 4300 S. SAGINAW STREET
Mailing Address 2: Not reported
Mailing City: FLINT
Mailing State: MI
Mailing Zip: 48557
Mailing Zip4: Not reported
Mailing Country: USA
Mailing Phone: 313-236-2243

Document ID: NYA3737542
Manifest Status: Completed copy
Trans1 State ID: MI-7048OC
Trans2 State ID: 92622K
Generator Ship Date: 860818
Trans1 Recv Date: 860818
Trans2 Recv Date: 860818
TSD Site Recv Date: 860818
Part A Recv Date: 860825
Part B Recv Date: 860908
Generator EPA ID: MID005356738
Trans1 EPA ID: MIT270012321
Trans2 EPA ID: Not reported
TSDF ID: NYD057770109
Waste Code: D001 - NON-LISTED IGNITABLE WASTES
Quantity: 00055
Units: G - Gallons (liquids only)* (8.3 pounds)
Number of Containers: 001
Container Type: DM - Metal drums, barrels
Handling Method: B Incineration, heat recovery, burning.
Specific Gravity: 080
Waste Code: Not reported
Quantity: 00330
Units: G - Gallons (liquids only)* (8.3 pounds)
Number of Containers: 006
Container Type: DM - Metal drums, barrels
Handling Method: B Incineration, heat recovery, burning.
Specific Gravity: 079
Waste Code: Not reported
Quantity: 00440
Units: G - Gallons (liquids only)* (8.3 pounds)
Number of Containers: 008
Container Type: DM - Metal drums, barrels
Handling Method: B Incineration, heat recovery, burning.
Specific Gravity: 079
Waste Code: Not reported
Quantity: 00275
Units: G - Gallons (liquids only)* (8.3 pounds)
Number of Containers: 005

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

GMC FISHER BODY DIV FLINT PLT (Continued)

1000114184

Container Type:	DM - Metal drums, barrels
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	096
Year:	86
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:	NYA3737564
Manifest Status:	Completed copy
Trans1 State ID:	MI-7048OC
Trans2 State ID:	92622K
Generator Ship Date:	860818
Trans1 Recv Date:	860818
Trans2 Recv Date:	860818
TSD Site Recv Date:	860818
Part A Recv Date:	860825
Part B Recv Date:	860908
Generator EPA ID:	MID005356738
Trans1 EPA ID:	MIT270012321
Trans2 EPA ID:	Not reported
TSD ID:	NYD057770109
Waste Code:	D001 - NON-LISTED IGNITABLE WASTES
Quantity:	00275
Units:	G - Gallons (liquids only)* (8.3 pounds)
Number of Containers:	005
Container Type:	DM - Metal drums, barrels
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	089
Waste Code:	Not reported
Quantity:	00165
Units:	G - Gallons (liquids only)* (8.3 pounds)
Number of Containers:	003
Container Type:	DM - Metal drums, barrels
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	600
Year:	86
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

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

GMC FISHER BODY DIV FLINT PLT (Continued)

1000114184

Alt Fac Sign Date: Not reported
Mgmt Method Type Code: Not reported

Document ID: NYA3737553
Manifest Status: Completed copy
Trans1 State ID: MI-70480C
Trans2 State ID: 92622K
Generator Ship Date: 860818
Trans1 Recv Date: 860818
Trans2 Recv Date: 860818
TSD Site Recv Date: 860818
Part A Recv Date: 860825
Part B Recv Date: 860908
Generator EPA ID: MID005356738
Trans1 EPA ID: MIT270012321
Trans2 EPA ID: Not reported
TSDF ID: NYD057770109
Waste Code: D001 - NON-LISTED IGNITABLE WASTES
Quantity: 00110
Units: G - Gallons (liquids only)* (8.3 pounds)
Number of Containers: 002
Container Type: DM - Metal drums, barrels
Handling Method: B Incineration, heat recovery, burning.
Specific Gravity: 080
Waste Code: Not reported
Quantity: 00495
Units: G - Gallons (liquids only)* (8.3 pounds)
Number of Containers: 009
Container Type: DM - Metal drums, barrels
Handling Method: B Incineration, heat recovery, burning.
Specific Gravity: 118
Waste Code: Not reported
Quantity: 00040
Units: G - Gallons (liquids only)* (8.3 pounds)
Number of Containers: 001
Container Type: DM - Metal drums, barrels
Handling Method: B Incineration, heat recovery, burning.
Specific Gravity: 090
Waste Code: Not reported
Quantity: 00550
Units: G - Gallons (liquids only)* (8.3 pounds)
Number of Containers: 010
Container Type: DM - Metal drums, barrels
Handling Method: B Incineration, heat recovery, burning.
Specific Gravity: 096
Year: 86
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

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

GMC FISHER BODY DIV FLINT PLT (Continued)

1000114184

Alt Fac Sign Date: Not reported
Mgmt Method Type Code: Not reported

J31
SSE
1/4-1/2
0.380 mi.
2006 ft.

GREAT LAKES TECHNOLOGY CENTER
4300 S. SAGINAW ST.
FLINT, MI 48502

SHWS S103595336
N/A

Site 2 of 2 in cluster J

Relative:
Higher

SHWS:
Facility ID: 25000030
Facility Status: Interim Response in progress
Source: Automotive Stamping
SAM Score: 32 out o
SAM Score Date: 3/16/2004
Township: 07N
Range: 07E
Section: 20
Quarter: SW
Quarter/Quarter: null
Pollutants: Benzene; Pb; Toluene

Actual:
763 ft.

32
North
1/4-1/2
0.385 mi.
2031 ft.

3016 SOUTH SAGINAW
3016 SOUTH SAGINAW
FLINT, MI

BEA S105541660
N/A

Relative:
Higher

BEA:
Secondary Address: Not reported
BEA Number: 658
District: Lansing
Date Received: 7/22/2002 12:59:00 AM
Submitter Name: Standard Federal Bank
Petition Determination: Affirmed
Petition Disclosure: 1
Category: No Hazardous Substance(s)
Determination 20107A: Affirmed
Reviewer: leinbaca
Division Assigned: Storage Tank Division

Actual:
762 ft.

33
SSE
1/4-1/2
0.460 mi.
2427 ft.

WINDIATE PARK/DIXIELAND SUBDIVISION
4401 MILTON DRIVE
FLINT, MI 48507

AUL S109847159
N/A

Relative:
Higher

AUL:
Status: Filed
Site Name: Windiate Park/Dixieland Subdvn
Property: off-site location
Land Use Restriction Type: RC
Program Type: Part 201
Program Support Assigned User: Nicholas Swartz
Program Support Assigned Date: 8/13/2009 14:30:59.647

Actual:
762 ft.

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

WINDIATE PARK/DIXIELAND SUBDIVISION (Continued)

S109847159

Legal Description Of Property: Site Address
District: Not reported
Based On The Deq Ref #: 12120198012
MDEQ Reference Number: RC-ERD-98-012
Property Or Description Restricted Area: Migrated
Lead Division: ERD
File Name Of Hyperlinked Legal Doc: U:\KERMIT\12120198012.PDF
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: 20090813 - Restriction is NOT mapped in KERMIT - Nick Ekel
Comment: Associated with a residential RAP.
Date Legal Paperwork Stamped/Filed/Register Of Deeds: 2/29/2000 00:00:00
Commercial I Land Use Restriction: 0
Commercial Ii Land Use Restriction: 0
Commercial Iii Land Use Restriction: 0
Commercial Iv Land Use Restriction: 0
Industrial Land Use Restriction: 0
Residential Land Use Restriction: 1
Recreational Land Use Restriction: 0
Multiple Land-Use Restrictions: 0
Site Specific Restrictions: 0
Groundwater Consumption Restrictions: 1
Groundwater Contact Restrictions: 0
Special Well Construction Requirements: 0
Special Building Restrictions: 0
Excavation And Soil Movement Restrictions: 1
Soil Movement Requirements: 0
There Is A Restriction On All Construction: 0
Monitoring Well Protected, No Tampering Or Removal: 0
There Is An Exposure Barrier In Place: 1
There Is A Health And Safety Plan: 0
There Is A Permanent Marker On The Site: 0

34
NNW
1/4-1/2
0.488 mi.
2579 ft.

COUNTY OF GENESEE ROAD COMMISSION
211 W OAKLEY ST
FLINT, MI 48503

RCRA-SQG
MLTS
FINDS
LUST
UST
1000221971
MID980999486

Relative:
Higher

RCRA-SQG:

Date form received by agency: 02/24/2005

Facility name: COUNTY OF GENESEE ROAD COMMISSION

Facility address: 211 W OAKLEY ST

FLINT, MI 48503

EPA ID: MID980999486

Contact: TIMOTHY SABIN

Contact address: 211 W OAKLEY ST

FLINT, MI 48503

Contact country: Not reported

Contact telephone: (810) 767-4920

Contact email: Not reported

EPA Region: 05

Classification: Small Small Quantity Generator

Description: Handler: generates more than 100 and less than 1000 kg of hazardous

Actual:
759 ft.

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

COUNTY OF GENESEE ROAD COMMISSION (Continued)

1000221971

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: COUNTY OF GENESEE
Owner/operator address: Not reported
Not reported
Owner/operator country: Not reported
Owner/operator telephone: Not reported
Legal status: County
Owner/Operator Type: Owner
Owner/Op start date: 02/04/1985
Owner/Op end date: Not reported

Owner/operator name: COUNTY OF GENESEE
Owner/operator address: Not reported
Not reported
Owner/operator country: Not reported
Owner/operator telephone: Not reported
Legal status: County
Owner/Operator Type: Operator
Owner/Op start date: 02/04/1985
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

COUNTY OF GENESEE ROAD COMMISSION (Continued)

1000221971

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: 06/10/2004
Facility name: COUNTY OF GENESEE ROAD COMMISSION
Classification: Small Quantity Generator

Date form received by agency: 08/26/2002
Facility name: COUNTY OF GENESEE ROAD COMMISSION
Classification: Small Quantity Generator

Date form received by agency: 02/04/1985
Facility name: COUNTY OF GENESEE ROAD COMMISSION
Classification: Small Quantity Generator

Violation Status: No violations found

MLTS:

License Number: 21-15602-01
First License Date: 05/10/1973
License Date: 06/29/2004
Lic. Expiration Date: 12/31/2013
Contact Name: JOHN T. PLAMONDON / RSO
Contact Phone: 810/767-4920
Institution Code: 15602
Primary Program: Not reported
Department: Not reported
Building: Not reported
States Allowing Use: Not reported
License Use: Not reported
Store Material Use: No
Redistribution Use: No
Incinerate Use: No
Burial Use: No
Last Inspection Date: 11/2008
Next Inspection Date: 11/2013
Inspector Name: PARKER
Status: Not reported

FINDS:

Registry ID: 110003618238

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

COUNTY OF GENESEE ROAD COMMISSION (Continued)

1000221971

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: 00000936
Source: STATE OF MICHIGAN
Owner Name: Genesee Co Road Comm
Owner Address: 211 W Oakley St
Owner City,St,Zip: Flint, MI 48503-3913
Owner Contact: Not reported
Owner Phone: (810) 767-4920
Country: USA
District: Lansing District Office
Site Name: Gen County Rc - Flint Garage
Latitude: 42.9968760000
Longitude: -83.6795980000
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-0727-96
Release Date: Sep 24 1996
Substance Released: Gasoline
Release Status: Closed
Release Closed Date: Jan 12 1999

Leak Number: C-0733-96
Release Date: Oct 25 1996
Substance Released: Unknown,Unknown
Release Status: Closed
Release Closed Date: Jan 12 1999

Leak Number: C-0736-96
Release Date: Sep 24 1996
Substance Released: Diesel
Release Status: Closed
Release Closed Date: Jan 12 1999

Leak Number: C-1090-91
Release Date: Jun 6 1991
Substance Released: Used Oil,Kerosene
Release Status: Closed
Release Closed Date: Jan 12 1999

Leak Number: C-1488-91
Release Date: Jul 25 1991
Substance Released: Unknown

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

COUNTY OF GENESEE ROAD COMMISSION (Continued)

1000221971

Release Status: Closed
Release Closed Date: Jan 12 1999

UST:

Facility ID: 00000936
Facility Type: CLOSED
Latitude: 42.9968760000
Longitude: -83.6795980000
Owner Name: Genesee Co Road Comm
Owner Address: 211 W Oakley St
Owner City,St,Zip: Flint, MI 48503-3913
Owner Country: USA
Owner Contact: Not reported
Owner Phone: (810) 767-4920
Contact: MR TIM SABAN
Contact Phone: (810) 767-4920
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
Capacity: 1000
Install Date: Apr 8 1969
Product: Used Oil
Remove Date: Jun 4 1991
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
Tank Status: Removed from Ground
Capacity: 1000
Install Date: Apr 8 1969
Product: Used Oil
Remove Date: Sep 25 1996
Tank Release Detection: Not reported
Pipe Realease Detection: Not reported
Piping Material: Unknown
Piping Type: Suction: Valve at Tank
Constr Material: Asphalt Coated or Bare Steel
Impressed Device: No

Tank ID: 4
Tank Status: Removed from Ground
Capacity: 10000
Install Date: Apr 8 1969
Product: Diesel

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

COUNTY OF GENESEE ROAD COMMISSION (Continued)

1000221971

Remove Date: Sep 25 1996
Tank Release Detection: Not reported
Pipe Realease Detection: Not reported
Piping Material: Galvanized Steel
Piping Type: Suction: Valve at Tank
Constr Material: Asphalt Coated or Bare Steel
Impressed Device: No

Tank ID: 5
Tank Status: Removed from Ground
Capacity: 10000
Install Date: Apr 8 1969
Product: Diesel
Remove Date: Sep 25 1996
Tank Release Detection: Not reported
Pipe Realease Detection: Not reported
Piping Material: Unknown
Piping Type: Not reported
Constr Material: Asphalt Coated or Bare Steel,Fiberglass Reinforced plastic
Impressed Device: No

Tank ID: 6
Tank Status: Removed from Ground
Capacity: 10000
Install Date: Apr 8 1976
Product: Gasoline
Remove Date: Sep 25 1996
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: 9
Tank Status: Removed from Ground
Capacity: 10000
Install Date: Not reported
Product: Used Oil,HEAVY #5
Remove Date: Jun 5 1991
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
Tank Status: Removed from Ground
Capacity: 20000
Install Date: Apr 8 1969
Product: Gasoline
Remove Date: Jun 24 1991

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

COUNTY OF GENESEE ROAD COMMISSION (Continued)

1000221971

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: Apr 8 1969
Product: Used Oil
Remove Date: Sep 25 1996
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: Not reported
Product: Kerosene
Remove Date: Jun 4 1991
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

35
SE
1/2-1
0.508 mi.
2680 ft.

WINDIATE PARK/DIXIELAND SUBDVN
MILTON DRIVE / PENGELLY RD
FLINT, MI 48507

SHWS S108036279
N/A

Relative:
Higher

SHWS:

Actual:
771 ft.

Facility ID: 25000689
Facility Status: Interim Response in progress
Source: Refuse Systems
SAM Score: 25 out o
SAM Score Date: 8/22/2005
Township: 07N
Range: 07E
Section: 29
Quarter: NW
Quarter/Quarter: SW
Pollutants: 2,4 DNT; 3,3'-Dichlorobenzidine; As; Benzo(a)anthracene;
Benzo(a)pyrene; Benzo(b)fluoranthene; C-66; Pb; VC; DCEE

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

36
NNW
1/2-1
0.984 mi.
5196 ft.

OIL CHEM INC.
711 WEST 12TH STREET
FLINT, MI 48503

SHWS S103085632
N/A

Relative:
Lower

SHWS:

Facility ID: 25000562

Facility Status: Interim Response in progress

Source: Petroleum Bulk Stations & Term

SAM Score: 36 out o

SAM Score Date: 1/13/2004

Township: 07N

Range: 07E

Section: 17

Quarter: null

Quarter/Quarter: null

Pollutants: Cd; Pb; TCE

Actual:
734 ft.

ORPHAN SUMMARY

City	EDR ID	Site Name	Site Address	Zip	Database(s)
FLINT	1001228738	MI DEPT/TRANSPORTATION	I-475 UNDER AVON ST PED WALK	48501	FINDS,RCRA-CESQG
FLINT	1001228740	MI DEPT/TRANSPORTATION	I-475 I-475 OVER CSX RR	48501	FINDS,RCRA-NLR
FLINT	1001228742	MI DEPT/TRANSPORTATION	475 OVER SAGINAW ST	48501	FINDS,RCRA-CESQG
FLINT	1001228751	MI DEPT/TRANSPORTATION	I-475 OVER E&W LONGWAY BLVD	48501	FINDS,RCRA-CESQG
FLINT	1001228752	MI DEPT/TRANSPORTATION	I-475 & RAMP-B OVER SO SVC RD	48501	FINDS,RCRA-NLR
FLINT	1001228754	MI DEPT/TRANSPORTATION	I-475 OVER STEVER & BROADWAY	48501	FINDS,RCRA-NLR
FLINT	1001228756	MI DEPT/TRANSPORTATION	I-475 OVER LEITH ST	48501	FINDS,RCRA-NLR
FLINT	1001228758	MI DEPT/TRANSPORTATION	I-475 OVER RAMP C I-475	48501	FINDS,RCRA-NLR
FLINT	1001228759	MI DEPT/TRANSPORTATION	I-475 OVER HORTON AVE	48501	FINDS,RCRA-NLR
FLINT	1001228762	MI DEPT/TRANSPORTATION	I-475 RAMP OVER HORTON AVE	48501	FINDS,RCRA-NLR
FLINT	1001228763	MI DEPT/TRANSPORTATION	I-475 RAMP B OVER I-475	48501	FINDS,RCRA-NLR
FLINT	1001228765	MI DEPT/TRANSPORTATION	I-475 RAMP E OVER I-475 RAMP F	48501	FINDS,RCRA-CESQG
BURTON TWP	1003871276	CHESAPEAKE REALTY DEV CORP PARCEL	OFF OF MAPLE AVE E OF DORT HWY	48503	CERCLIS-NFRAP
BURTON	1010320188	T RODS CUSTOM CAR CARE	G4057 S DORT HWY	48529	RCRA-CESQG
FLINT	1010564565	PEARLE VISION INC	284 S BALLENGER HWY	48503	RCRA-CESQG
BURTON	A100172135	AMERIGAS	G4283 S DORT HWY	48529	AST
BURTON	A100205230	CONSUMERS ENERGY CO	G3509 S DORT HWY	48529	AST
GRAND BLANC	A100346335	MTA SERVICE CENTER	5051 DORT HWY	48503	AST
FLINT	S104909673	1512 AND 1514 S. DORT HWY.	1512 / 1514 S. DORT HWY.		BEA
FLINT	S104911368	RAILROAD RIGHT-OF-WAY (FORMER)	NE OF DORT HWY / R.T. LONGWA		BEA
FLINT	S104911420	3701 AND 3751 S. DORT HIGHWAY	3701 / 3751 S. DORT HIGHWAY		BEA
MT. MORRIS	S107136065	FEDCHENKO SITE (FORMER)	7525 N DORT HWY		BROWNFIELDS
FLINT	S108084417	PARCEL 07-32-102-001 & 07-32-102-0	NORTH DORT HIGHWAY		BEA
FLINT	S108414434	5000, 5022, AND 5030 NORTH DORT HI	5000, 5022, / 5030 NORTH DORT		BEA
FLINT	S108669810	5130 AND 5122 NORTH DORT HIGHWAY	5130 / 5122 NORTH DORT HIGHWAY		BEA
FLINT	S108895850	0.619 ACRES NE CORNER OF N.DORT HW	NE CORNER OF N.DORT HWY/DAVISO		BEA
FLINT	S108895865	2.7 ACRES NE CORNER N. DORT HWY/DA	NE CORNER N. DORT HWY/DAVISON		BEA
FLINT	S108895881	3701 AND 3751 S. DORT HWY	3701 / 3751 S. DORT HWY		BEA
BURTON	U000253434	NORTHWEST TIRE & SERVICE	G3111 S DORT HWY	48529	LUST,UST
BURTON	U003866196	SCHAFER BAKERIES	G3336 S DORT HWY	48529	LUST,UST
BURTON	U003866596	BITUMINOUS PAVERS, INC	G4101 S DORT HWY	48529	LUST,UST
BURTON	U004082505	FORMER FRENCHY TIRE SALES & SERVIC	G3437 S DORT HWY	48529	UST

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: 11/04/2009
Number of Days to Update: 42	Next Scheduled EDR Contact: 01/11/2010
	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: 10/05/2009
Number of Days to Update: 35	Next Scheduled EDR Contact: 01/11/2010
	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	Source: Department of Environmental Quality
Date Data Arrived at EDR: 11/05/2009	Telephone: 586-753-3754
Date Made Active in Reports: 11/17/2009	Last EDR Contact: 10/26/2009
Number of Days to Update: 12	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	Source: Department of Energy
Date Data Arrived at EDR: 08/07/2009	Telephone: 202-586-8719
Date Made Active in Reports: 10/22/2009	Last EDR Contact: 10/23/2009
Number of Days to Update: 76	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	Source: U.S. Geological Survey
Date Data Arrived at EDR: 02/06/2006	Telephone: 888-275-8747
Date Made Active in Reports: 01/11/2007	Last EDR Contact: 10/23/2009
Number of Days to Update: 339	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	Source: Environmental Protection Agency
Date Data Arrived at EDR: 02/18/2009	Telephone: 202-566-0517
Date Made Active in Reports: 05/29/2009	Last EDR Contact: 11/13/2009
Number of Days to Update: 100	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	Source: Environmental Protection Agency
Date Data Arrived at EDR: 09/25/2009	Telephone: N/A
Date Made Active in Reports: 11/09/2009	Last EDR Contact: 12/15/2009
Number of Days to Update: 45	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

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

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

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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.

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

© 2010 Tele Atlas North America, Inc. All rights reserved. This material is proprietary and the subject of copyright protection and other intellectual property rights owned by or licensed to Tele Atlas North America, Inc. The use of this material is subject to the terms of a license agreement. You will be held liable for any unauthorized copying or disclosure of this material.

GEOCHECK[®] - PHYSICAL SETTING SOURCE ADDENDUM

TARGET PROPERTY ADDRESS

GLTC LAND
NWC OF ATHERTON AND SAGINAW
FLINT, MI 48507

TARGET PROPERTY COORDINATES

Latitude (North):	42.99020 - 42° 59' 24.7"
Longitude (West):	83.6784 - 83° 40' 42.2"
Universal Transverse Mercator:	Zone 17
UTM X (Meters):	281641.5
UTM Y (Meters):	4762993.0
Elevation:	756 ft. above sea level

USGS TOPOGRAPHIC MAP

Target Property Map:	42083-H6 FLINT SOUTH, MI
Most Recent Revision:	1975
North Map:	43083-A6 FLINT NORTH, MI
Most Recent Revision:	1975

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).

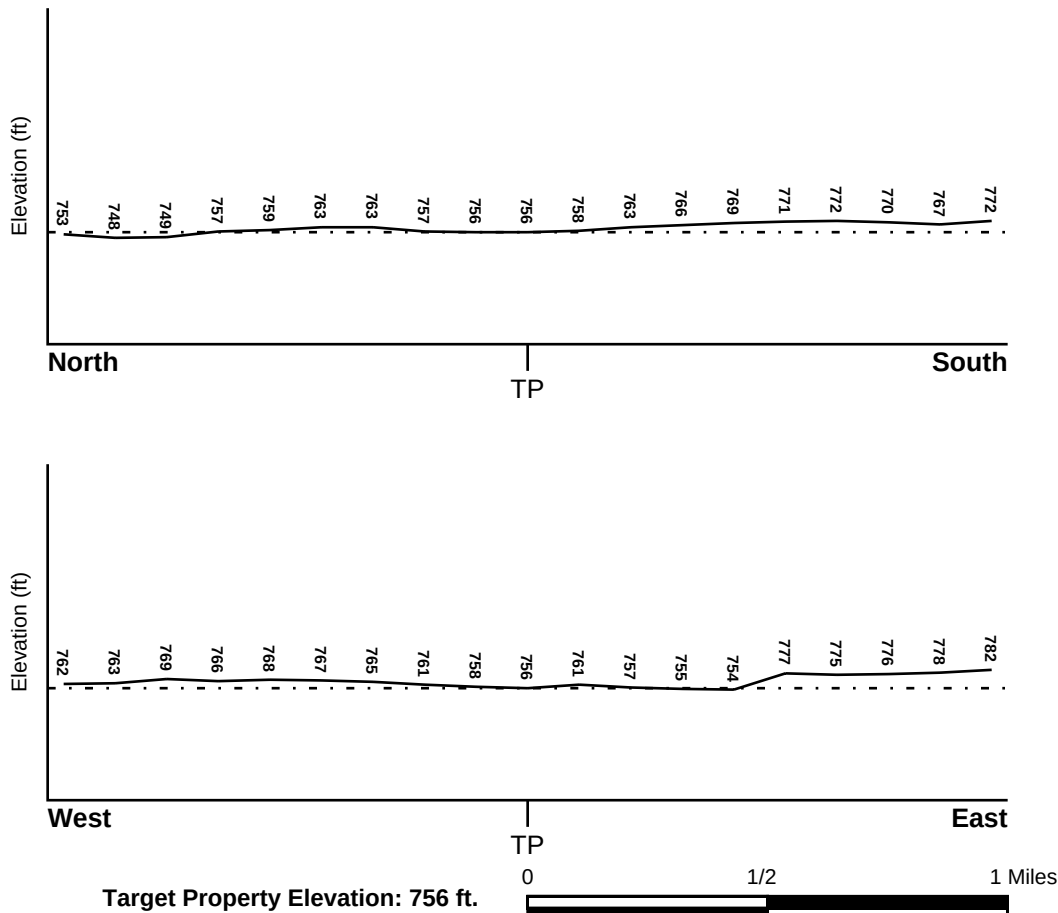
TOPOGRAPHIC INFORMATION

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 NE

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>	<u>FEMA Flood</u>
GENESEE, MI	<u>Electronic Data</u>
	YES - refer to the Overview Map and Detail Map
Flood Plain Panel at Target Property:	2600760015C
Additional Panels in search area:	2600760005C
	2602870007B
	2602870008B
	2603950010B

NATIONAL WETLAND INVENTORY

<u>NWI Quad at Target Property</u>	<u>NWI Electronic</u>
FLINT SOUTH	<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 Miles NNE
Site Name:	Thrall Oil & Chem Co
Site EPA ID Number:	MID980608574
Groundwater Flow Direction:	NOT AVAILABLE, BUT GROUND WATER DISCHARGES INTO THREAD AND GILKEY CREEKS, THE FLINT RIVER, AND THREAD LAKE.
Inferred Depth to Water:	20 feet.
Hydraulic Connection:	Information is not available about the hydraulic connection between aquifer(s) underlying the site. The depth to bedrock is approximately 60 feet.
Sole Source Aquifer:	A sole source aquifer is present at or near the site
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>
	<u>FROM TP</u>	<u>GROUNDWATER FLOW</u>

* ©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 FROM TP</u>	<u>GENERAL DIRECTION GROUNDWATER FLOW</u>
A1	0 - 1/8 Mile East	N
3	1/8 - 1/4 Mile SW	Not Reported
4	1/8 - 1/4 Mile NNE	NE
5	1/4 - 1/2 Mile WSW	Not Reported
B8	1/2 - 1 Mile SSE	NNE
E18	1/2 - 1 Mile WSW	Not Reported
E19	1/2 - 1 Mile WSW	ENE
G25	1/2 - 1 Mile SE	SW
G27	1/2 - 1 Mile SE	NW
30	1/2 - 1 Mile NNW	N

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

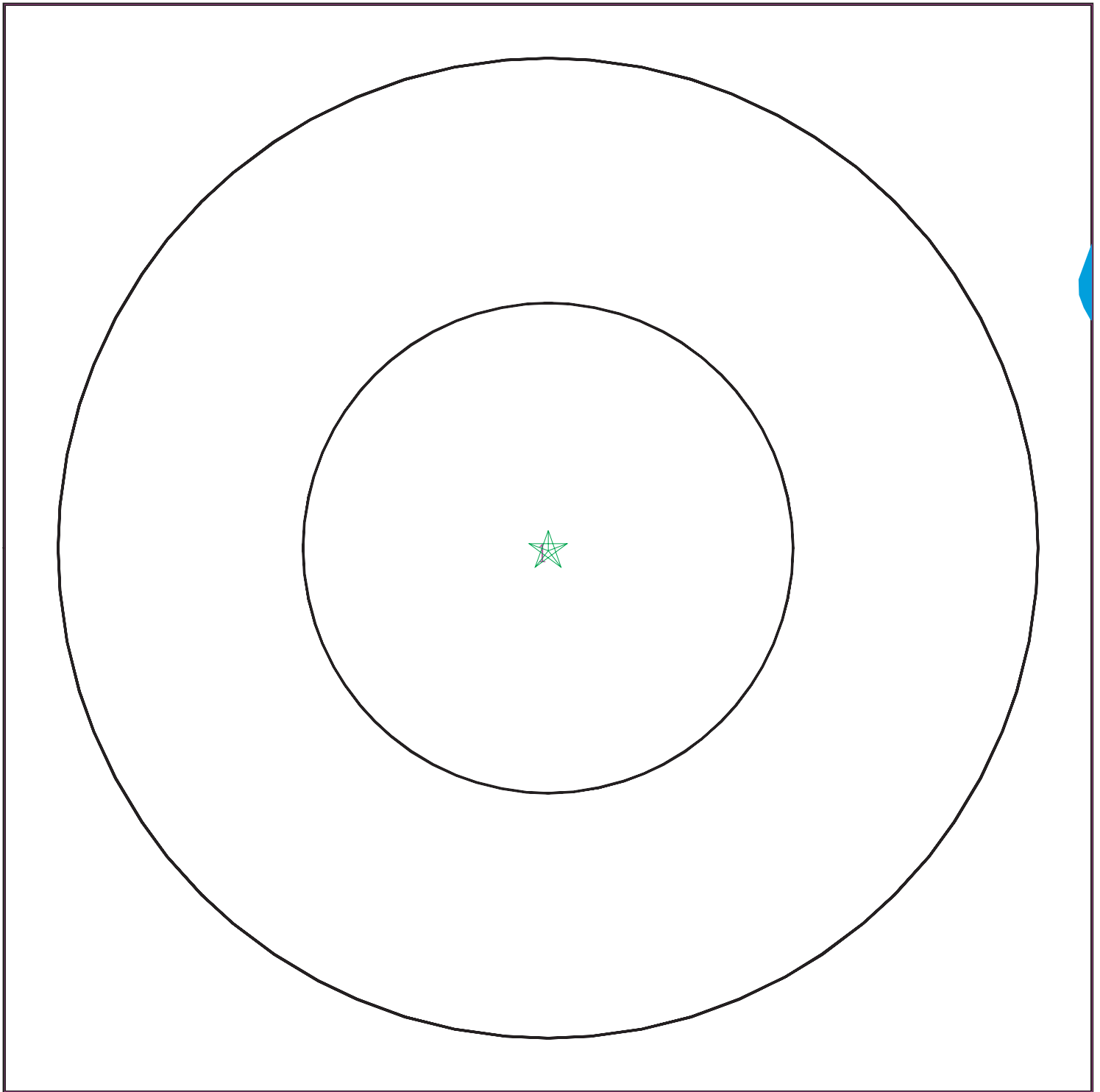
Era:	Paleozoic
System:	Pennsylvanian
Series:	Atokan and Morrowan Series
Code:	PP1 (<i>decoded above as Era, System & Series</i>)

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 - 2671613.2s



- ★ Target Property
- ∨ SSURGO Soil
- ∨ Water



SITE NAME: GLTC Land
ADDRESS: NWC of Atherton and Saginaw
Flint MI 48507
LAT/LONG: 42.9902 / 83.6784

CLIENT: ARCADIS U.S., Inc.
CONTACT: Moriah Boom
INQUIRY #: 2671613.2s
DATE: January 05, 2010 4:00 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: Miscellaneous Areas

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

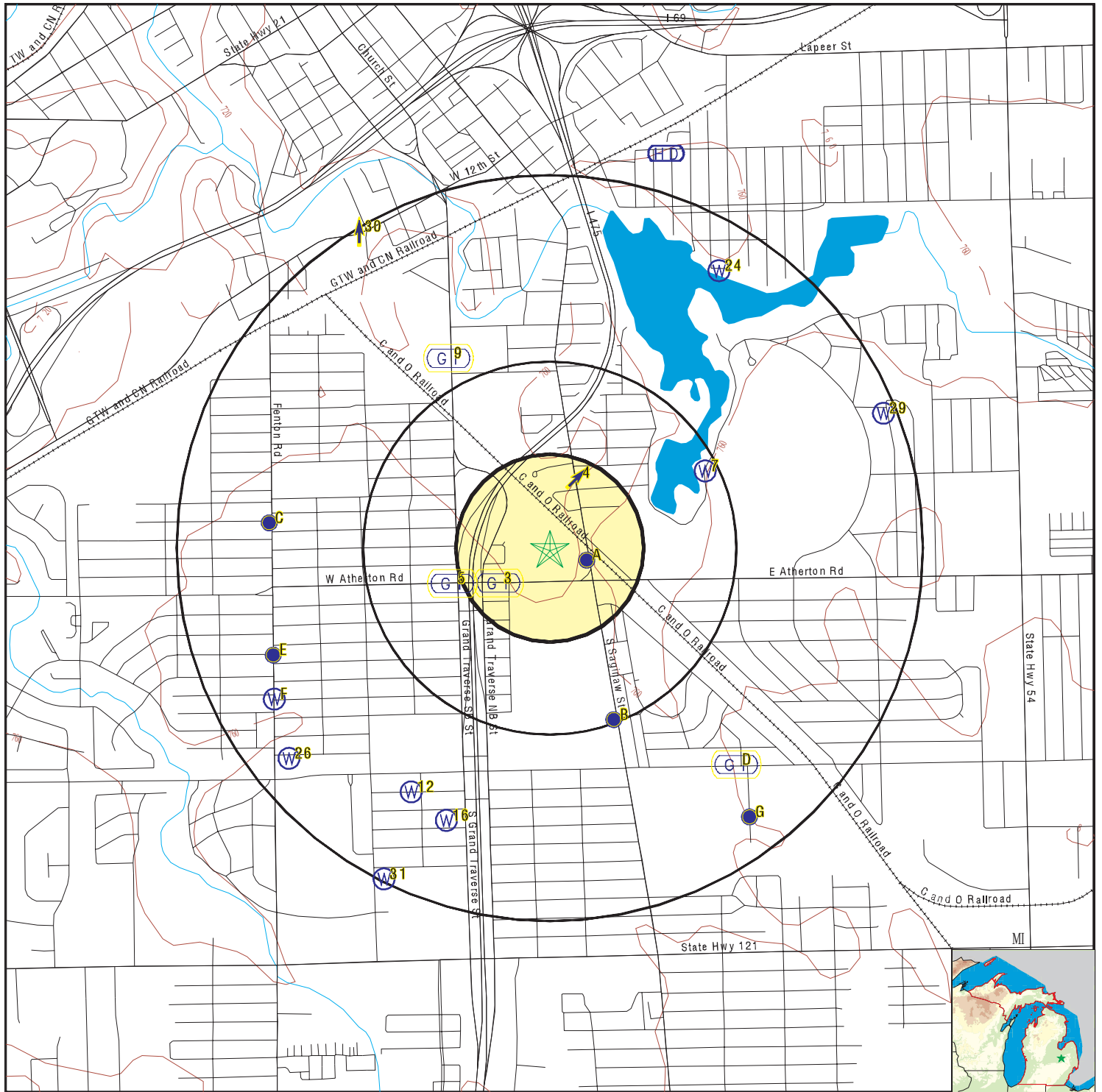
MAP ID	WELL ID	LOCATION FROM TP
No PWS System Found		

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

STATE DATABASE WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
7	MI20075423	1/4 - 1/2 Mile ENE
C10	MI20071556	1/2 - 1 Mile West
12	MI20068530	1/2 - 1 Mile SSW
C15	MI20071672	1/2 - 1 Mile West
16	MI20068532	1/2 - 1 Mile SSW
E17	MI20071870	1/2 - 1 Mile WSW
E20	MI20071904	1/2 - 1 Mile WSW
E21	MI20075373	1/2 - 1 Mile WSW
F22	MI20068350	1/2 - 1 Mile WSW
F23	MI20075585	1/2 - 1 Mile WSW
24	MI20068445	1/2 - 1 Mile NNE
26	MI20066388	1/2 - 1 Mile SW
G28	MI20073313	1/2 - 1 Mile SE
29	MI20068447	1/2 - 1 Mile ENE
31	MI20068534	1/2 - 1 Mile SSW

PHYSICAL SETTING SOURCE MAP - 2671613.2s



- 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: GLTC Land
 ADDRESS: NWC of Atherton and Saginaw
 Flint MI 48507
 LAT/LONG: 42.9902 / 83.6784

CLIENT: ARCADIS U.S., Inc.
 CONTACT: Moriah Boom
 INQUIRY #: 2671613.2s
 DATE: January 05, 2010 4:00 pm

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation

Database EDR ID Number

A1 East 0 - 1/8 Mile Higher	Site ID:	250469	AQUIFLOW	34548
	Groundwater Flow:	N		
	Shallowest Water Table Depth:	Not Reported		
	Deepest Water Table Depth:	Not Reported		
	Average Water Table Depth:	15		
	Date:	06/1989		

3 SW 1/8 - 1/4 Mile Higher	Site ID:	250297	AQUIFLOW	28266
	Groundwater Flow:	Not Reported		
	Shallowest Water Table Depth:	1.2		
	Deepest Water Table Depth:	Not Reported		
	Average Water Table Depth:	Not Reported		
	Date:	Not Reported		

4 NNE 1/8 - 1/4 Mile Higher	Site ID:	250417	AQUIFLOW	28369
	Groundwater Flow:	NE		
	Shallowest Water Table Depth:	5.11		
	Deepest Water Table Depth:	6.96		
	Average Water Table Depth:	Not Reported		
	Date:	05/27/1993		

5 WSW 1/4 - 1/2 Mile Higher	Site ID:	250389	AQUIFLOW	28251
	Groundwater Flow:	Not Reported		
	Shallowest Water Table Depth:	4		
	Deepest Water Table Depth:	14		
	Average Water Table Depth:	Not Reported		
	Date:	03/1994		

7 ENE 1/4 - 1/2 Mile Higher			MI WELLS	MI20075423
--	--	--	-----------------	-------------------

Wellid:	25000011396	Import id:	Not Reported
County:	Genesee	Township:	Burton
Town range:	07N 07E	Section:	20
Owner name:	SHARON PULLIAM		
Well addr:	3100 LAKEWOOD DR		
Well depth:	0		
Well type:	Type II public		
Wssn:	2097925		
Well num:	001	Driller id:	0
Const date:	Not Reported	Case type:	Unknown
Case dia:	-1		
Case depth:	0		
Screen frm:	0		
Screen to:	0		
Swl:	0		
Test depth:	0		
Test hours:	0		
Test rate:	0	Test methd:	Unknown
Grouted:	0	Pmp cpcity:	0
Latitude:	42.99319663		
Longitude:	-83.67017566		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Methd coll:	Address Matching-House Number		
Elevation:	758		
Elev methd:	Topographoc Map Interpolation	Depth flag:	Well Depth = 0
Elev flag:	Not Reported		
Swl flag:	SWL = 0		
Elev dem:	758	Elev dif:	0
Elev miv:	758	Aq code:	Unknown Lithology
Aq flag:	Not Reported	Pct aq:	0
Pct aq d:	0	Pct aq r:	0
Pct maq:	0	Pct maq d:	0
Pct maq r:	0	Pct cm:	0
Pct cm d:	0	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:	-3
D r type:	Not Reported	Spc cpcity:	0
A thicknes:	0	A pct aq:	0
A pct maq:	0	A pct pcm:	0
A pct cm:	0	A pct na:	0
A thickns2:	0	A pct aq2:	0
A pct maq2:	0	A pct pcm2:	0
A pct cm2:	0	A pct na2:	0
A hit swl:	F	A hit top:	T
A hit rock:	F	A sc lith1:	Not Reported
A sc lmod1:	Not Reported	A sc lmaq1:	Not Reported
A sc lpct1:	0	A sc lith2:	Not Reported
A sc lmod2:	Not Reported	A sc lmaq2:	Not Reported
A sc lpct2:	0	Pct aq 1:	0
Pct maq 1:	0	Pct cm 1:	0
Pct pcm 1:	0	Pct na 1:	0
Pct aq 2:	0	Pct maq 2:	0
Pct cm 2:	0	Pct pcm 2:	0
Pct na 2:	0	Pct aq 3:	0
Pct maq 3:	0	Pct cm 3:	0
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

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Within sec:	Y	Loc match:	Y
Aq code 1:	Not Reported		
Hit swl:	Not Reported		
Athk2:	0		
Horiz Conduct:	0		
Vert Conduct:	0		
T2:	0		
D50plek:	0		

B8 SSE 1/2 - 1 Mile Higher	Site ID:	250139		
	Groundwater Flow:	NNE	AQUIFLOW	34552
	Shallowest Water Table Depth:	0.48		
	Deepest Water Table Depth:	4.65		
	Average Water Table Depth:	Not Reported		
	Date:	08/07/1991		

C10 West 1/2 - 1 Mile Higher			MI WELLS	MI20071556
	Wellid:	25000006142	Import id:	Not Reported
	County:	Genesee	Township:	Flint
	Town range:	07N 06E	Section:	25
	Owner name:	Linda Anderson		
	Well addr:	3444 Fenton Road		
	Well depth:	160		
	Well type:	Household		
	Wssn:	0		
	Well num:	Not Reported	Driller id:	1607
	Const date:	2001-02-21 11:27:04.000	Case type:	PVC Plastic
	Case dia:	5		
	Case depth:	129		
	Screen frm:	0		
	Screen to:	0		
	Swl:	28		
	Test depth:	160		
	Test hours:	1		
	Test rate:	40	Test methd:	Air
	Grouted:	1	Pmp cpcity:	10
	Latitude:	42.99113163		
	Longitude:	-83.69305426		
	Methd coll:	Address Matching-House Number		
	Elevation:	755		
	Elev methd:	Topographoc Map Interpolation	Depth flag:	Not Reported
	Elev flag:	Not Reported		
	Swl flag:	Not Reported		
	Elev dem:	764	Elev dif:	9
	Elev miv:	755	Aq code:	Rock Well
	Aq flag:	Not Reported	Pct aq:	24
	Pct aq d:	0	Pct aq r:	84
	Pct maq:	0	Pct maq d:	0
Pct maq r:	0	Pct cm:	76	

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Pct cm d:	100	Pct cm r:	16
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:	115
D r type:	Not Reported	Spc cpcity:	0
A thicknes:	0	A pct aq:	0
A pct maq:	0	A pct pcm:	0
A pct cm:	0	A pct na:	0
A thickns2:	0	A pct aq2:	0
A pct maq2:	0	A pct pcm2:	0
A pct cm2:	0	A pct na2:	0
A hit swl:	F	A hit top:	F
A hit rock:	F	A sc lith1:	Not Reported
A sc lmod1:	Not Reported	A sc lmaq1:	Not Reported
A sc lpct1:	0	A sc lith2:	Not Reported
A sc lmod2:	Not Reported	A sc lmaq2:	Not Reported
A sc lpct2:	0	Pct aq 1:	0
Pct maq 1:	0	Pct cm 1:	100
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:	0
Pct maq 3:	0	Pct cm 3:	100
Pct pcm 3:	0	Pct na 3:	0
Pct aq 4:	0	Pct maq 4:	0
Pct cm 4:	100	Pct pcm 4:	0
Pct na 4:	0	Pct aq 5:	0
Pct maq 5:	0	Pct cm 5:	100
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:	R		
Hit swl:	F		
Athk2:	0		
Horiz Conduct:	.0001		
Vert Conduct:	.0001		
T2:	.0095		
D50plek:	.00409		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation

Database

EDR ID Number

12
SSW
1/2 - 1 Mile
Higher

MI WELLS

MI20068530

Wellid:	25000002289	Import id:	25077730003
County:	Genesee	Township:	Burton
Town range:	07N 07E	Section:	30
Owner name:	Not Reported		
Well addr:	1189 ALLEN		
Well depth:	250		
Well type:	Household		
Wssn:	0		
Well num:	Not Reported	Driller id:	283
Const date:	1985-11-27 00:00:00.000	Case type:	Unknown
Case dia:	5		
Case depth:	84		
Screen frm:	0		
Screen to:	0		
Swl:	40		
Test depth:	60		
Test hours:	1		
Test rate:	20	Test methd:	Unknown
Grouted:	1	Pmp cpcity:	0
Latitude:	42.9807347933		
Longitude:	-83.6857164235		
Methd coll:	Interpolation-Map		
Elevation:	770		
Elev methd:	Topographoc Map Interpolation	Depth flag:	Not Reported
Elev flag:	Not Reported		
Swl flag:	Not Reported		
Elev dem:	764	Elev dif:	6
Elev miv:	770	Aq code:	Rock Well
Aq flag:	Not Reported	Pct aq:	15
Pct aq d:	0	Pct aq r:	22
Pct maq:	52	Pct maq d:	0
Pct maq r:	74	Pct cm:	12
Pct cm d:	30	Pct cm r:	5
Pct pcm:	21	Pct pcm d:	70
Pct pcm r:	0	Pct na:	0
Pct na d:	0	Pct na r:	0
Pct flag:	Not Reported	Rock top:	74
D r type:	Not Reported	Spc cpcity:	0
A thicknes:	0	A pct aq:	0
A pct maq:	0	A pct pcm:	0
A pct cm:	0	A pct na:	0
A thickns2:	0	A pct aq2:	0
A pct maq2:	0	A pct pcm2:	0
A pct cm2:	0	A pct na2:	0
A hit swl:	F	A hit top:	F
A hit rock:	F	A sc lith1:	Not Reported
A sc lmod1:	Not Reported	A sc lmaq1:	Not Reported
A sc lpct1:	0	A sc lith2:	Not Reported
A sc lmod2:	Not Reported	A sc lmaq2:	Not Reported
A sc lpct2:	0	Pct aq 1:	0
Pct maq 1:	0	Pct cm 1:	100
Pct pcm 1:	0	Pct na 1:	0

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Pct aq 2:	0	Pct maq 2:	0
Pct cm 2:	10	Pct pcm 2:	90
Pct na 2:	0	Pct aq 3:	0
Pct maq 3:	0	Pct cm 3:	0
Pct pcm 3:	100	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:	R		
Hit swl:	F		
Athk2:	0		
Horiz Conduct:	.00432		
Vert Conduct:	.00017		
T2:	.2331		
D50plek:	.03952		

C15
West
1/2 - 1 Mile
Higher

MI WELLS MI20071672

Wellid:	25000006310	Import id:	Not Reported
County:	Genesee	Township:	Grand Blanc
Town range:	06N 07E	Section:	6
Owner name:	MARGE MANLEY		
Well addr:	1033 LINCOLN DR.		
Well depth:	240		
Well type:	Household		
Wssn:	0		
Well num:	Not Reported	Driller id:	1947
Const date:	2000-06-05 00:00:00.000	Case type:	PVC Plastic
Case dia:	5		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Case depth:	115		
Screen frm:	0		
Screen to:	0		
Swl:	50		
Test depth:	100		
Test hours:	1		
Test rate:	33	Test methd:	Air
Grouted:	1	Pmp cpcity:	10
Latitude:	42.99049777		
Longitude:	-83.69367484		
Methd coll:	Address Matching-Nearest Intersection		
Elevation:	0		
Elev methd:	DEM30M	Depth flag:	Not Reported
Elev flag:	Elevation < DEMmin or Elevation > DEMmax		
Swl flag:	Not Reported		
Elev dem:	761	Elev dif:	761
Elev miv:	761	Aq code:	Rock Well
Aq flag:	Not Reported	Pct aq:	21
Pct aq d:	0	Pct aq r:	31
Pct maq:	33	Pct maq d:	0
Pct maq r:	49	Pct cm:	47
Pct cm d:	100	Pct cm r:	20
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:	80
D r type:	Not Reported	Spc cpcity:	0
A thicknes:	0	A pct aq:	0
A pct maq:	0	A pct pcm:	0
A pct cm:	0	A pct na:	0
A thickns2:	0	A pct aq2:	0
A pct maq2:	0	A pct pcm2:	0
A pct cm2:	0	A pct na2:	0
A hit swl:	F	A hit top:	F
A hit rock:	F	A sc lith1:	Not Reported
A sc lmod1:	Not Reported	A sc lmaq1:	Not Reported
A sc lpct1:	0	A sc lith2:	Not Reported
A sc lmod2:	Not Reported	A sc lmaq2:	Not Reported
A sc lpct2:	0	Pct aq 1:	0
Pct maq 1:	0	Pct cm 1:	100
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:	0
Pct maq 3:	0	Pct cm 3:	100
Pct pcm 3:	0	Pct na 3:	0
Pct aq 4:	0	Pct maq 4:	0
Pct cm 4:	100	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

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

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:	N	Loc match:	Y
Aq code 1:	Not Reported		
Hit swl:	Not Reported		
Athk2:	0		
Horiz Conduct:	0		
Vert Conduct:	0		
T2:	0		
D50plek:	0		

16
SSW
1/2 - 1 Mile
Higher

MI WELLS MI20068532

Wellid:	25000002291	Import id:	25077730005
County:	Genesee	Township:	Burton
Town range:	07N 07E	Section:	30
Owner name:	Not Reported		
Well addr:	1230 DECAMP		
Well depth:	200		
Well type:	Household		
Wssn:	0		
Well num:	Not Reported	Driller id:	314
Const date:	1981-03-04 00:00:00.000	Case type:	Unknown
Case dia:	2		
Case depth:	138		
Screen frm:	0		
Screen to:	0		
Swl:	45		
Test depth:	200		
Test hours:	1		
Test rate:	15	Test methd:	Unknown
Grouted:	1	Pmp cpcity:	0
Latitude:	42.9796267185		
Longitude:	-83.6838595432		
Methd coll:	Interpolation-Map		
Elevation:	765		
Elev methd:	Topographoc Map Interpolation	Depth flag:	Not Reported
Elev flag:	Not Reported		
Swl flag:	Not Reported		
Elev dem:	764	Elev dif:	1
Elev miv:	765	Aq code:	Rock Well
Aq flag:	Not Reported	Pct aq:	44
Pct aq d:	42	Pct aq r:	44
Pct maq:	15	Pct maq d:	0
Pct maq r:	21	Pct cm:	42

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Pct cm d:	58	Pct cm r:	34
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:	60
D r type:	AQ / MAQ	Spc cpcity:	0
A thicknes:	0	A pct aq:	0
A pct maq:	0	A pct pcm:	0
A pct cm:	0	A pct na:	0
A thickns2:	0	A pct aq2:	0
A pct maq2:	0	A pct pcm2:	0
A pct cm2:	0	A pct na2:	0
A hit swl:	F	A hit top:	F
A hit rock:	F	A sc lith1:	Not Reported
A sc lmod1:	Not Reported	A sc lmaq1:	Not Reported
A sc lpct1:	0	A sc lith2:	Not Reported
A sc lmod2:	Not Reported	A sc lmaq2:	Not Reported
A sc lpct2:	0	Pct aq 1:	0
Pct maq 1:	0	Pct cm 1:	100
Pct pcm 1:	0	Pct na 1:	0
Pct aq 2:	25	Pct maq 2:	0
Pct cm 2:	75	Pct pcm 2:	0
Pct na 2:	0	Pct aq 3:	100
Pct maq 3:	0	Pct cm 3:	0
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:	R		
Hit swl:	F		
Athk2:	0		
Horiz Conduct:	31.25004		
Vert Conduct:	.00027		
T2:	1250.0015		
D50plek:	85.97185		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation

Database EDR ID Number

E17
WSW
1/2 - 1 Mile
Higher

MI WELLS MI20071870

Wellid:	25000006577	Import id:	Not Reported
County:	Genesee	Township:	Flint
Town range:	07N 06E	Section:	36
Owner name:	International Gospel Center		
Well addr:	4126 Fenton Road		
Well depth:	200		
Well type:	Type II public		
Wssn:	2146325		
Well num:	001	Driller id:	1893
Const date:	1988-09-30 00:00:00.000	Case type:	PVC Plastic
Case dia:	5		
Case depth:	136		
Screen frm:	0		
Screen to:	0		
Swl:	51		
Test depth:	200		
Test hours:	1		
Test rate:	60	Test methd:	Unknown
Grouted:	1	Pmp cpcity:	10
Latitude:	42.98625703		
Longitude:	-83.69297275		
Methd coll:	Address Matching-House Number		
Elevation:	758		
Elev methd:	Topographoc Map Interpolation	Depth flag:	Not Reported
Elev flag:	Not Reported		
Swl flag:	Not Reported		
Elev dem:	764	Elev dif:	6
Elev miv:	758	Aq code:	Rock Well
Aq flag:	Not Reported	Pct aq:	0
Pct aq d:	0	Pct aq r:	0
Pct maq:	0	Pct maq d:	0
Pct maq r:	0	Pct cm:	0
Pct cm d:	0	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:	?	Rock top:	90
D r type:	Not Reported	Spc cpcity:	0
A thicknes:	0	A pct aq:	0
A pct maq:	0	A pct pcm:	0
A pct cm:	0	A pct na:	0
A thickns2:	0	A pct aq2:	0
A pct maq2:	0	A pct pcm2:	0
A pct cm2:	0	A pct na2:	0
A hit swl:	F	A hit top:	T
A hit rock:	F	A sc lith1:	Not Reported
A sc lmod1:	Not Reported	A sc lmaq1:	Not Reported
A sc lpct1:	0	A sc lith2:	Not Reported
A sc lmod2:	Not Reported	A sc lmaq2:	Not Reported
A sc lpct2:	0	Pct aq 1:	0
Pct maq 1:	0	Pct cm 1:	0
Pct pcm 1:	0	Pct na 1:	0

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Pct aq 2:	0	Pct maq 2:	0
Pct cm 2:	0	Pct pcm 2:	0
Pct na 2:	0	Pct aq 3:	0
Pct maq 3:	0	Pct cm 3:	0
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:	N	Loc match:	Y
Aq code 1:	Not Reported		
Hit swl:	Not Reported		
Athk2:	0		
Horiz Conduct:	0		
Vert Conduct:	0		
T2:	0		
D50plek:	0		

E18 WSW 1/2 - 1 Mile Higher

Site ID: 250256
Groundwater Flow: Not Reported
Shallowest Water Table Depth: 9.5
Deepest Water Table Depth: 17.5
Average Water Table Depth: Not Reported
Date: 08/12/1992

AQUIFLOW 34476

E19 WSW 1/2 - 1 Mile Higher

Site ID: 250117
Groundwater Flow: ENE
Shallowest Water Table Depth: Not Reported
Deepest Water Table Depth: Not Reported
Average Water Table Depth: 5
Date: 08/1990

AQUIFLOW 34408

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation

Database

EDR ID Number

E20
WSW
1/2 - 1 Mile
Higher

MI WELLS

MI20071904

Wellid:	25000006628	Import id:	Not Reported
County:	Genesee	Township:	Flint
Town range:	07N 06E	Section:	36
Owner name:	Carl Meiou--Starr Mart		
Well addr:	4226 Fenton		
Well depth:	180		
Well type:	Type II public		
Wssn:	2137325		
Well num:	001	Driller id:	2152
Const date:	2000-01-18 00:00:00.000	Case type:	PVC Plastic
Case dia:	5		
Case depth:	180		
Screen frm:	0		
Screen to:	0		
Swl:	30		
Test depth:	40		
Test hours:	.5		
Test rate:	30	Test methd:	Air
Grouted:	1	Pmp cpcity:	12
Latitude:	42.98575323		
Longitude:	-83.69296795		
Methd coll:	Address Matching-House Number		
Elevation:	758		
Elev methd:	Topographoc Map Interpolation	Depth flag:	Not Reported
Elev flag:	Not Reported		
Swl flag:	Not Reported		
Elev dem:	761	Elev dif:	3
Elev miv:	758	Aq code:	Not Reported
Aq flag:	Lithology Problem (Drift under Rock)	Not aq:	0
Pct aq d:	0	Pct aq r:	0
Pct maq:	0	Pct maq d:	0
Pct maq r:	0	Pct cm:	0
Pct cm d:	0	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:	-9
D r type:	Not Reported	Spc cpcity:	0
A thicknes:	0	A pct aq:	0
A pct maq:	0	A pct pcm:	0
A pct cm:	0	A pct na:	0
A thickns2:	0	A pct aq2:	0
A pct maq2:	0	A pct pcm2:	0
A pct cm2:	0	A pct na2:	0
A hit swl:	F	A hit top:	F
A hit rock:	F	A sc lith1:	Not Reported
A sc lmod1:	Not Reported	A sc lmaq1:	Not Reported
A sc lpct1:	0	A sc lith2:	Not Reported
A sc lmod2:	Not Reported	A sc lmaq2:	Not Reported
A sc lpct2:	0	Pct aq 1:	0
Pct maq 1:	0	Pct cm 1:	100
Pct pcm 1:	0	Pct na 1:	0

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Pct aq 2:	0	Pct maq 2:	0
Pct cm 2:	100	Pct pcm 2:	0
Pct na 2:	0	Pct aq 3:	0
Pct maq 3:	0	Pct cm 3:	0
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:	N	Loc match:	Y
Aq code 1:	Not Reported		
Hit swl:	Not Reported		
Athk2:	0		
Horiz Conduct:	0		
Vert Conduct:	0		
T2:	0		
D50plek:	0		

E21
WSW
1/2 - 1 Mile
Higher

MI WELLS MI20075373

Wellid:	25000011315	Import id:	Not Reported
County:	Genesee	Township:	Flint
Town range:	07N 06E	Section:	35
Owner name:	N/A		
Well addr:	G4242 Fenton Rd		
Well depth:	0		
Well type:	Type II public		
Wssn:	2033225		
Well num:	001	Driller id:	0
Const date:	Not Reported	Case type:	Unknown
Case dia:	-1		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Case depth:	0		
Screen frm:	0		
Screen to:	0		
Swl:	0		
Test depth:	0		
Test hours:	0		
Test rate:	0	Test methd:	Unknown
Grouted:	0	Pmp cpcity:	0
Latitude:	42.98563113		
Longitude:	-83.69296795		
Methd coll:	Address Matching-House Number		
Elevation:	758		
Elev methd:	Topographoc Map Interpolation	Depth flag:	Well Depth = 0
Elev flag:	Not Reported		
Swl flag:	SWL = 0		
Elev dem:	761	Elev dif:	3
Elev miv:	758	Aq code:	Unknown Lithology
Aq flag:	Not Reported	Pct aq:	0
Pct aq d:	0	Pct aq r:	0
Pct maq:	0	Pct maq d:	0
Pct maq r:	0	Pct cm:	0
Pct cm d:	0	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:	-3
D r type:	Not Reported	Spc cpcity:	0
A thicknes:	0	A pct aq:	0
A pct maq:	0	A pct pcm:	0
A pct cm:	0	A pct na:	0
A thickns2:	0	A pct aq2:	0
A pct maq2:	0	A pct pcm2:	0
A pct cm2:	0	A pct na2:	0
A hit swl:	F	A hit top:	F
A hit rock:	F	A sc lith1:	Not Reported
A sc lmod1:	Not Reported	A sc lmaq1:	Not Reported
A sc lpct1:	0	A sc lith2:	Not Reported
A sc lmod2:	Not Reported	A sc lmaq2:	Not Reported
A sc lpct2:	0	Pct aq 1:	0
Pct maq 1:	0	Pct cm 1:	0
Pct pcm 1:	0	Pct na 1:	0
Pct aq 2:	0	Pct maq 2:	0
Pct cm 2:	0	Pct pcm 2:	0
Pct na 2:	0	Pct aq 3:	0
Pct maq 3:	0	Pct cm 3:	0
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

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

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:	N	Loc match:	Y
Aq code 1:	Not Reported		
Hit swl:	Not Reported		
Athk2:	0		
Horiz Conduct:	0		
Vert Conduct:	0		
T2:	0		
D50plek:	0		

F22
WSW
1/2 - 1 Mile
Higher

MI WELLS MI20068350

Wellid:	25000002107	Import id:	25077636401
County:	Genesee	Township:	Flint
Town range:	07N 06E	Section:	36
Owner name:	FENTON RD. MISSIONARY		
Well addr:	G-4386 FENTON RD		
Well depth:	160		
Well type:	Type II public		
Wssn:	2118325		
Well num:	001	Driller id:	169
Const date:	1986-08-30 00:00:00.000	Case type:	PVC Plastic
Case dia:	5		
Case depth:	79		
Screen frm:	0		
Screen to:	0		
Swl:	30		
Test depth:	100		
Test hours:	2		
Test rate:	50	Test methd:	Unknown
Grouted:	1	Pmp cpcity:	22
Latitude:	42.98457913		
Longitude:	-83.69296065		
Methd coll:	Address Matching-House Number		
Elevation:	761		
Elev methd:	Topographoc Map Interpolation	Depth flag:	Not Reported
Elev flag:	Not Reported		
Swl flag:	Not Reported		
Elev dem:	761	Elev dif:	0
Elev miv:	761	Aq code:	Rock Well
Aq flag:	Not Reported	Pct aq:	0
Pct aq d:	0	Pct aq r:	0
Pct maq:	0	Pct maq d:	0
Pct maq r:	0	Pct cm:	0

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Pct cm d:	0	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:	?	Rock top:	77
D r type:	Not Reported	Spc cpcity:	0
A thicknes:	0	A pct aq:	0
A pct maq:	0	A pct pcm:	0
A pct cm:	0	A pct na:	0
A thickns2:	0	A pct aq2:	0
A pct maq2:	0	A pct pcm2:	0
A pct cm2:	0	A pct na2:	0
A hit swl:	F	A hit top:	F
A hit rock:	F	A sc lith1:	Not Reported
A sc lmod1:	Not Reported	A sc lmaq1:	Not Reported
A sc lpct1:	0	A sc lith2:	Not Reported
A sc lmod2:	Not Reported	A sc lmaq2:	Not Reported
A sc lpct2:	0	Pct aq 1:	0
Pct maq 1:	0	Pct cm 1:	0
Pct pcm 1:	0	Pct na 1:	0
Pct aq 2:	0	Pct maq 2:	0
Pct cm 2:	0	Pct pcm 2:	0
Pct na 2:	0	Pct aq 3:	0
Pct maq 3:	0	Pct cm 3:	0
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:	N	Loc match:	Y
Aq code 1:	Not Reported		
Hit swl:	Not Reported		
Athk2:	0		
Horiz Conduct:	0		
Vert Conduct:	0		
T2:	0		
D50plek:	0		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation

Database

EDR ID Number

F23
WSW
1/2 - 1 Mile
Higher

MI WELLS

MI20075585

Wellid:	25000011628	Import id:	Not Reported
County:	Genesee	Township:	Flint
Town range:	07N 06E	Section:	36
Owner name:	Fenton Road Family Pharmacy		
Well addr:	G-4444 Fenton Rd		
Well depth:	160		
Well type:	Type II public		
Wssn:	2150325		
Well num:	001	Driller id:	1710
Const date:	1999-10-01 00:00:00.000	Case type:	PVC Plastic
Case dia:	5		
Case depth:	79		
Screen frm:	0		
Screen to:	0		
Swl:	30		
Test depth:	70		
Test hours:	2		
Test rate:	40	Test methd:	Air
Grouted:	1	Pmp cpcity:	18
Latitude:	42.98409083		
Longitude:	-83.69295295		
Methd coll:	Address Matching-House Number		
Elevation:	761		
Elev methd:	Topographoc Map Interpolation	Depth flag:	Not Reported
Elev flag:	Not Reported		
Swl flag:	Not Reported		
Elev dem:	758	Elev dif:	3
Elev miv:	761	Aq code:	Rock Well
Aq flag:	Not Reported	Pct aq:	53
Pct aq d:	35	Pct aq r:	66
Pct maq:	0	Pct maq d:	0
Pct maq r:	0	Pct cm:	39
Pct cm d:	46	Pct cm r:	34
Pct pcm:	8	Pct pcm d:	19
Pct pcm r:	0	Pct na:	0
Pct na d:	0	Pct na r:	0
Pct flag:	Not Reported	Rock top:	69
D r type:	Not Reported	Spc cpcity:	0
A thicknes:	0	A pct aq:	0
A pct maq:	0	A pct pcm:	0
A pct cm:	0	A pct na:	0
A thickns2:	0	A pct aq2:	0
A pct maq2:	0	A pct pcm2:	0
A pct cm2:	0	A pct na2:	0
A hit swl:	F	A hit top:	F
A hit rock:	F	A sc lith1:	Not Reported
A sc lmod1:	Not Reported	A sc lmaq1:	Not Reported
A sc lpct1:	0	A sc lith2:	Not Reported
A sc lmod2:	Not Reported	A sc lmaq2:	Not Reported
A sc lpct2:	0	Pct aq 1:	0
Pct maq 1:	0	Pct cm 1:	35
Pct pcm 1:	65	Pct na 1:	0

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Pct aq 2:	0	Pct maq 2:	0
Pct cm 2:	100	Pct pcm 2:	0
Pct na 2:	0	Pct aq 3:	75
Pct maq 3:	0	Pct cm 3:	25
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:	N	Loc match:	Y
Aq code 1:	Not Reported		
Hit swl:	Not Reported		
Athk2:	0		
Horiz Conduct:	0		
Vert Conduct:	0		
T2:	0		
D50plek:	0		

24
NNE
1/2 - 1 Mile
Higher

MI WELLS MI20068445

Wellid:	25000002203	Import id:	25077720001
County:	Genesee	Township:	Burton
Town range:	07N 07E	Section:	20
Owner name:	CITY OF FLINT, MICHIGAN		
Well addr:	Not Reported		
Well depth:	186		
Well type:	Test well		
Wssn:	0		
Well num:	Not Reported	Driller id:	0
Const date:	1943-02-23 00:00:00.000	Case type:	Unknown
Case dia:	0		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Case depth:	0		
Screen frm:	0		
Screen to:	0		
Swl:	20		
Test depth:	0		
Test hours:	0		
Test rate:	0	Test methd:	Unknown
Grouted:	1	Pmp cpcity:	0
Latitude:	43.0009720179		
Longitude:	-83.6694447711		
Methd coll:	Interpolation-Map		
Elevation:	760		
Elev methd:	Topographoc Map Interpolation	Depth flag:	Not Reported
Elev flag:	Not Reported		
Swl flag:	Not Reported		
Elev dem:	754	Elev dif:	6
Elev miv:	760	Aq code:	Rock Well
Aq flag:	Not Reported	Pct aq:	42
Pct aq d:	42	Pct aq r:	100
Pct maq:	8	Pct maq d:	8
Pct maq r:	0	Pct cm:	15
Pct cm d:	15	Pct cm r:	0
Pct pcm:	35	Pct pcm d:	36
Pct pcm r:	0	Pct na:	0
Pct na d:	0	Pct na r:	0
Pct flag:	Not Reported	Rock top:	185
D r type:	AQ / AQ	Spc cpcity:	0
A thicknes:	0	A pct aq:	0
A pct maq:	0	A pct pcm:	0
A pct cm:	0	A pct na:	0
A thickns2:	0	A pct aq2:	0
A pct maq2:	0	A pct pcm2:	0
A pct cm2:	0	A pct na2:	0
A hit swl:	F	A hit top:	F
A hit rock:	F	A sc lith1:	Not Reported
A sc lmod1:	Not Reported	A sc lmaq1:	Not Reported
A sc lpct1:	0	A sc lith2:	Not Reported
A sc lmod2:	Not Reported	A sc lmaq2:	Not Reported
A sc lpct2:	0	Pct aq 1:	0
Pct maq 1:	0	Pct cm 1:	85
Pct pcm 1:	15	Pct na 1:	0
Pct aq 2:	0	Pct maq 2:	0
Pct cm 2:	0	Pct pcm 2:	100
Pct na 2:	0	Pct aq 3:	0
Pct maq 3:	0	Pct cm 3:	0
Pct pcm 3:	100	Pct na 3:	0
Pct aq 4:	0	Pct maq 4:	0
Pct cm 4:	10	Pct pcm 4:	90
Pct na 4:	0	Pct aq 5:	0
Pct maq 5:	55	Pct cm 5:	45
Pct pcm 5:	0	Pct na 5:	0
Pct aq 6:	68	Pct maq 6:	12
Pct cm 6:	0	Pct pcm 6:	20
Pct na 6:	0	Pct aq 7:	100
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

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

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:	R		
Hit swl:	F		
Athk2:	0		
Horiz Conduct:	22.13009		
Vert Conduct:	.00095		
T2:	3651.4641		
D50plek:	980.57132		

G25 SE 1/2 - 1 Mile Higher	Site ID:	250108	AQUIFLOW 34422
	Groundwater Flow:	SW	
	Shallowest Water Table Depth:	30	
	Deepest Water Table Depth:	50	
	Average Water Table Depth:	Not Reported	
	Date:	01/1990	

26 SW 1/2 - 1 Mile Higher			MI WELLS MI20066388
Wellid:	25000000062	Import id:	25077730008
County:	Genesee	Township:	Burton
Town range:	07N 07E	Section:	30
Owner name:	TOM BLUE		
Well addr:	3441 FENTON RD		
Well depth:	200		
Well type:	Other		
Wssn:	0		
Well num:	Not Reported	Driller id:	230
Const date:	1976-06-24 00:00:00.000	Case type:	Unknown
Case dia:	4		
Case depth:	70		
Screen frm:	0		
Screen to:	0		
Swl:	20		
Test depth:	80		
Test hours:	2		
Test rate:	20	Test methd:	Unknown
Grouted:	1	Pmp cpcity:	0
Latitude:	42.9820362439		
Longitude:	-83.6921820229		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Methd coll:	Interpolation-Map		
Elevation:	768		
Elev methd:	Topographoc Map Interpolation	Depth flag:	Not Reported
Elev flag:	Not Reported		
Swl flag:	Not Reported		
Elev dem:	764	Elev dif:	4
Elev miv:	768	Aq code:	Rock Well
Aq flag:	Not Reported	Pct aq:	58
Pct aq d:	17	Pct aq r:	75
Pct maq:	18	Pct maq d:	0
Pct maq r:	25	Pct cm:	25
Pct cm d:	83	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:	60
D r type:	Not Reported	Spc cpcity:	0
A thicknes:	0	A pct aq:	0
A pct maq:	0	A pct pcm:	0
A pct cm:	0	A pct na:	0
A thickns2:	0	A pct aq2:	0
A pct maq2:	0	A pct pcm2:	0
A pct cm2:	0	A pct na2:	0
A hit swl:	F	A hit top:	F
A hit rock:	F	A sc lith1:	Not Reported
A sc lmod1:	Not Reported	A sc lmaq1:	Not Reported
A sc lpct1:	0	A sc lith2:	Not Reported
A sc lmod2:	Not Reported	A sc lmaq2:	Not Reported
A sc lpct2:	0	Pct aq 1:	50
Pct maq 1:	0	Pct cm 1:	50
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:	0
Pct maq 3:	0	Pct cm 3:	100
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

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Within sec:	Y	Loc match:	Y
Aq code 1:	R		
Hit swl:	F		
Athk2:	0		
Horiz Conduct:	.0001		
Vert Conduct:	.0001		
T2:	.004		
D50plek:	.00082		

G27 SE 1/2 - 1 Mile Higher	Site ID:	250202		
	Groundwater Flow:	NW	AQUIFLOW	34630
	Shallowest Water Table Depth:	Not Reported		
	Deepest Water Table Depth:	Not Reported		
	Average Water Table Depth:	8.0		
	Date:	11/15/1994		

G28 SE 1/2 - 1 Mile Higher			MI WELLS	MI20073313
	Wellid:	25000008395	Import id:	Not Reported
	County:	Genesee	Township:	Burton
	Town range:	07N 07E	Section:	29
	Owner name:	Ed Kropiewnicki		
	Well addr:	3333 Associates		
Well depth:	220			
Well type:	Type II public			
Wssn:	2047925			
Well num:	001	Driller id:	2152	
Const date:	1994-03-08 00:00:00.000	Case type:	PVC Plastic	
Case dia:	5			
Case depth:	170			
Screen frm:	0			
Screen to:	0			
Swl:	40			
Test depth:	50			
Test hours:	.5			
Test rate:	30	Test methd:	Unknown	
Grouted:	1	Pmp cpcity:	12	
Latitude:	42.97957173			
Longitude:	-83.66777915			
Methd coll:	Address Matching-House Number			
Elevation:	784			
Elev methd:	Topographoc Map Interpolation	Depth flag:	Not Reported	
Elev flag:	Not Reported			
Swl flag:	Not Reported			
Elev dem:	777	Elev dif:	7	
Elev miv:	784	Aq code:	Not Reported	
Aq flag:	Lithology Problem (Drift under Rock)	Not aq:	0	
Pct aq d:	0	Pct aq r:	0	
Pct maq:	0	Pct maq d:	0	
Pct maq r:	0	Pct cm:	0	

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Pct cm d:	0	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:	-9
D r type:	Not Reported	Spc cpcity:	0
A thicknes:	0	A pct aq:	0
A pct maq:	0	A pct pcm:	0
A pct cm:	0	A pct na:	0
A thickns2:	0	A pct aq2:	0
A pct maq2:	0	A pct pcm2:	0
A pct cm2:	0	A pct na2:	0
A hit swl:	F	A hit top:	F
A hit rock:	F	A sc lith1:	Not Reported
A sc lmod1:	Not Reported	A sc lmaq1:	Not Reported
A sc lpct1:	0	A sc lith2:	Not Reported
A sc lmod2:	Not Reported	A sc lmaq2:	Not Reported
A sc lpct2:	0	Pct aq 1:	0
Pct maq 1:	0	Pct cm 1:	100
Pct pcm 1:	0	Pct na 1:	0
Pct aq 2:	0	Pct maq 2:	0
Pct cm 2:	60	Pct pcm 2:	40
Pct na 2:	0	Pct aq 3:	0
Pct maq 3:	0	Pct cm 3:	0
Pct pcm 3:	100	Pct na 3:	0
Pct aq 4:	35	Pct maq 4:	0
Pct cm 4:	5	Pct pcm 4:	60
Pct na 4:	0	Pct aq 5:	0
Pct maq 5:	0	Pct cm 5:	100
Pct pcm 5:	0	Pct na 5:	0
Pct aq 6:	0	Pct maq 6:	0
Pct cm 6:	100	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:	Not Reported		
Hit swl:	Not Reported		
Athk2:	0		
Horiz Conduct:	0		
Vert Conduct:	0		
T2:	0		
D50plek:	0		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation

Database

EDR ID Number

29

ENE

1/2 - 1 Mile
Higher

MI WELLS

MI20068447

Wellid:	25000002205	Import id:	25077720003
County:	Genesee	Township:	Burton
Town range:	07N 07E	Section:	20
Owner name:	CONNIE BUTZ		
Well addr:	2800 DEARBORN AVE.		
Well depth:	220		
Well type:	Household		
Wssn:	0		
Well num:	Not Reported	Driller id:	1607
Const date:	1985-02-01 00:00:00.000	Case type:	PVC Plastic
Case dia:	5		
Case depth:	185		
Screen frm:	0		
Screen to:	0		
Swl:	33		
Test depth:	220		
Test hours:	1		
Test rate:	30	Test methd:	Unknown
Grouted:	1	Pmp cpcity:	0
Latitude:	42.9954352168		
Longitude:	-83.6607460307		
Methd coll:	Interpolation-Map		
Elevation:	770		
Elev methd:	Topographoc Map Interpolation	Depth flag:	Not Reported
Elev flag:	Not Reported		
Swl flag:	Not Reported		
Elev dem:	768	Elev dif:	2
Elev miv:	770	Aq code:	Rock Well
Aq flag:	Not Reported	Pct aq:	16
Pct aq d:	4	Pct aq r:	51
Pct maq:	18	Pct maq d:	24
Pct maq r:	0	Pct cm:	66
Pct cm d:	72	Pct cm r:	49
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:	165
D r type:	Not Reported	Spc cpcity:	0
A thicknes:	0	A pct aq:	0
A pct maq:	0	A pct pcm:	0
A pct cm:	0	A pct na:	0
A thickns2:	0	A pct aq2:	0
A pct maq2:	0	A pct pcm2:	0
A pct cm2:	0	A pct na2:	0
A hit swl:	F	A hit top:	F
A hit rock:	F	A sc lith1:	Not Reported
A sc lmod1:	Not Reported	A sc lmaq1:	Not Reported
A sc lpct1:	0	A sc lith2:	Not Reported
A sc lmod2:	Not Reported	A sc lmaq2:	Not Reported
A sc lpct2:	0	Pct aq 1:	0
Pct maq 1:	0	Pct cm 1:	100
Pct pcm 1:	0	Pct na 1:	0

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Pct aq 2:	0	Pct maq 2:	0
Pct cm 2:	100	Pct pcm 2:	0
Pct na 2:	0	Pct aq 3:	0
Pct maq 3:	0	Pct cm 3:	100
Pct pcm 3:	0	Pct na 3:	0
Pct aq 4:	0	Pct maq 4:	0
Pct cm 4:	100	Pct pcm 4:	0
Pct na 4:	0	Pct aq 5:	0
Pct maq 5:	50	Pct cm 5:	50
Pct pcm 5:	0	Pct na 5:	0
Pct aq 6:	0	Pct maq 6:	100
Pct cm 6:	0	Pct pcm 6:	0
Pct na 6:	0	Pct aq 7:	0
Pct maq 7:	20	Pct cm 7:	80
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:	R		
Hit swl:	F		
Athk2:	0		
Horiz Conduct:	5.10352		
Vert Conduct:	.00015		
T2:	740.0098		
D50plek:	189.73766		

**30
NNW
1/2 - 1 Mile
Lower**

Site ID: 250092
Groundwater Flow: N
Shallowest Water Table Depth: 4.3
Deepest Water Table Depth: 5.2
Average Water Table Depth: Not Reported
Date: 11/01/1993

AQUIFLOW 34437

**31
SSW
1/2 - 1 Mile
Higher**

MI WELLS MI20068534

Wellid:	25000002293	Import id:	25077730301
County:	Genesee	Township:	Burton
Town range:	07N 07E	Section:	30
Owner name:	CITY OF BURTON		
Well addr:	BURTON WELL #2 CARMEN ST		
Well depth:	220		
Well type:	Type I public		
Wssn:	1010		
Well num:	BURTON WELL #2 CARMEN ST	Driller id:	0
Const date:	Not Reported	Case type:	Unknown
Case dia:	10		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Case depth:	0		
Screen frm:	0		
Screen to:	0		
Swl:	999.99		
Test depth:	0		
Test hours:	0		
Test rate:	0	Test methd:	Unknown
Grouted:	1	Pmp cpcity:	0
Latitude:	42.9773547358		
Longitude:	-83.6871556502		
Methd coll:	Interpolation-Map		
Elevation:	775		
Elev methd:	Topographoc Map Interpolation	Depth flag:	Not Reported
Elev flag:	Not Reported		
Swl flag:	SWL > Well Depth		
Elev dem:	774	Elev dif:	1
Elev miv:	775	Aq code:	Rock Well
Aq flag:	Not Reported	Pct aq:	42
Pct aq d:	0	Pct aq r:	69
Pct maq:	0	Pct maq d:	0
Pct maq r:	0	Pct cm:	58
Pct cm d:	100	Pct cm r:	31
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:	86
D r type:	Not Reported	Spc cpcity:	0
A thicknes:	0	A pct aq:	0
A pct maq:	0	A pct pcm:	0
A pct cm:	0	A pct na:	0
A thickns2:	0	A pct aq2:	0
A pct maq2:	0	A pct pcm2:	0
A pct cm2:	0	A pct na2:	0
A hit swl:	F	A hit top:	F
A hit rock:	F	A sc lith1:	Not Reported
A sc lmod1:	Not Reported	A sc lmaq1:	Not Reported
A sc lpct1:	0	A sc lith2:	Not Reported
A sc lmod2:	Not Reported	A sc lmaq2:	Not Reported
A sc lpct2:	0	Pct aq 1:	0
Pct maq 1:	0	Pct cm 1:	100
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:	0
Pct maq 3:	0	Pct cm 3:	100
Pct pcm 3:	0	Pct na 3:	0
Pct aq 4:	0	Pct maq 4:	0
Pct cm 4:	100	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

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

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:	R		
Hit swl:	F		
Athk2:	0		
Horiz Conduct:	.00078		
Vert Conduct:	.00031		
T2:	.0516		
D50plek:	.01251		

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	48507	0	12/9/87	0.7	24.1%	0.7	26.1%
Random	48507		4/16/87	1.7	15.4%		
Random	48507	0	1/16/88	1.8	12.1%		

State Database: MI Radon

Radon Test Results

Zip	Less than sign	Pci/L
48507		1.30
48507		2.30
48507		2.30
48507		1.40
48507	<	0.30
48507	<	0.30
48507		1.00
48507		1.10
48507	<	0.30
48507		1.90
48507		1.70
48507		2.30
48507		2.10
48507		0.70
48507		2.50
48507	<	0.30
48507		5.50
48507		2.50
48507		2.00
48507	<	0.30
48507		1.80
48507		4.40
48507		1.00
48507	<	0.30
48507		1.20
48507		3.50
48507		1.20
48507		1.20
48507		2.60
48507		2.60
48507		1.10
48507		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

RADON

AREA RADON INFORMATION

		1.40
48507	<	0.30
48507	<	0.30
48507		0.90
48507		0.80
48507		2.40
48507		2.40
48507		0.60
48507	<	0.30
48507		1.90
48507		2.00
48507		1.90
48507		1.00
48507	<	0.30
48507		3.80
48507		1.20
48507		1.10
48507	<	0.30
48507		1.10
48507	<	0.30
48507		1.50
48507		4.90
48507		3.60
48507		0.90
48507		4.60
48507		1.00
48507		0.60
48507		1.90
48507		0.80
48507	<	0.30
48507		1.60
48507		3.20
48507		2.70
48507		5.70
48507		10.40
48507		11.70
48507		4.60
48507		2.20
48507		0.90
48507		0.60
48507	<	0.30
48507		3.40
48507		5.20
48507		5.70

Federal EPA Radon Zone for GENESEE County: 2

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.

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS RADON

AREA RADON INFORMATION

Federal Area Radon Information for Zip Code: 48507

Number of sites tested: 2

Area	Average Activity	% <4 pCi/L	% 4-20 pCi/L	% >20 pCi/L
Living Area - 1st Floor	Not Reported	Not Reported	Not Reported	Not Reported
Living Area - 2nd Floor	Not Reported	Not Reported	Not Reported	Not Reported
Basement	1.250 pCi/L	100%	0%	0%

PHYSICAL SETTING SOURCE RECORDS SEARCHED

TOPOGRAPHIC INFORMATION

USGS 7.5' Digital Elevation Model (DEM)

Source: United States Geologic Survey

EDR acquired the USGS 7.5' Digital Elevation Model in 2002 and updated it in 2006. The 7.5 minute DEM corresponds to the USGS 1:24,000- and 1:25,000-scale topographic quadrangle maps. The DEM provides elevation data with consistent elevation units and projection.

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

© 2010 Tele Atlas North America, Inc. All rights reserved. This material is proprietary and the subject of copyright protection and other intellectual property rights owned by or licensed to Tele Atlas North America, Inc. The use of this material is subject to the terms of a license agreement. You will be held liable for any unauthorized copying or disclosure of this material.

APPENDIX D

Photograph Log

Phase I Environmental Site Assessment
Northwest corner of W. Atherton Rd. and S. Saginaw Street, Flint, Michigan

Appendix D - Photograph Log

CLIENT: Motors Liquidation Company	SITE NAME: Great Lakes Technology Center (GLTC) Land
PROJECT #: BN011531700	SITE LOCATION: Northwest corner of W. Atherton Rd. and S. Saginaw Street in Flint, MI
PHOTOGRAPH #: 1	
PHOTOGRAPHER: MB	
DATE: 1/11/10	
DIRECTION: North	
COMMENT: Drum labeled as non-hazardous	

CLIENT: Motors Liquidation Company	SITE NAME: Great Lakes Technology Center (GLTC) Land
PROJECT #: BN011531700	SITE LOCATION: Northwest corner of W. Atherton Rd. and S. Saginaw Street in Flint, MI
PHOTOGRAPH #: 2	
PHOTOGRAPHER: MB	
DATE: 1/11/10	
DIRECTION: Northwest	
COMMENT: Former retention basin	

Phase I Environmental Site Assessment
Northwest corner of W. Atherton Rd. and S. Saginaw Street, Flint, Michigan

Appendix D - Photograph Log

CLIENT: Motors Liquidation Company	SITE NAME: Great Lakes Technology Center (GLTC) Land
PROJECT #: BN011531700	SITE LOCATION: Northwest corner of W. Atherton Rd. and S. Saginaw Street in Flint, MI
PHOTOGRAPH #: 3	
PHOTOGRAPHER: MB	
DATE: 1/11/10	
DIRECTION: Northwest	
COMMENT: Monitoring wells	

CLIENT: Motors Liquidation Company	SITE NAME: Great Lakes Technology Center (GLTC) Land
PROJECT #: BN011531700	SITE LOCATION: Northwest corner of W. Atherton Rd. and S. Saginaw Street in Flint, MI
PHOTOGRAPH #: 4	
PHOTOGRAPHER: MB	
DATE: 1/11/10	
DIRECTION: Southeast	
COMMENT: Vegetation growth on Site to the southeast	

Phase I Environmental Site Assessment
Northwest corner of W. Atherton Rd. and S. Saginaw Street, Flint, Michigan

Appendix D - Photograph Log

CLIENT: Motors Liquidation Company	SITE NAME: Great Lakes Technology Center (GLTC) Land
PROJECT #: BN011531700	SITE LOCATION: Northwest corner of W. Atherton Rd. and S. Saginaw Street in Flint, MI
PHOTOGRAPH #: 5	
PHOTOGRAPHER: MB	
DATE: 1/11/10	
DIRECTION: Southwest	
COMMENT: Southwest portion of the Site	

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.

DOUGLAS M. LINDSAY, P.G.
Senior Project Geologist

*hydrogeologic investigations
project management
LSP MCP services
soil and groundwater management*

Mr. Lindsay has over 12 years of experience involving subsurface and hydrogeologic investigations, contaminated soil and groundwater management, state and federal regulatory compliance, environmental remediation programs, and American Society for Testing and Materials (ASTM) due diligence. Related projects have included the management of extensive state and federal environmental investigations, subsurface soil and groundwater precharacterization programs, asbestos assessments, lead paint screening, radon sampling, and soil, groundwater, and ambient air field screening. Mr. Lindsay has also conducted groundwater elevation surveys, fate and transport modeling, groundwater and surface water sampling, soil sampling, and soil gas sampling.

Mr. Lindsay has supervised and managed numerous projects simultaneously including operation and maintenance (O&M) of groundwater remediation systems, construction project management, contaminated soil and groundwater management, soil vapor extraction systems, dewatering systems, risk assessments, underground storage tank removals, and Massachusetts Contingency Plan (MCP) regulatory reports. Mr. Lindsay is also involved with researching and evaluating environmental liabilities and determining the cost/benefit analysis associated with applicable remedial measures. Mr. Lindsay manages field staff personnel on the completion of multiple projects.

EDUCATION

B.A. Environmental Science, Boston University, 1995

The School for Field Studies, Rainforest Ecology, Belize, Central America

REPRESENTATIVE EXPERIENCE

- **Subsurface Investigation, Soil Management and Regulatory Closure, Worcester, Massachusetts.** LFR was retained by a private developer for the proposed construction of a retail pharmacy on a property formerly occupied by a truck fueling terminal and lumber yard. Mr. Lindsay oversaw the completion of an ASTM Phase I Environmental Site Assessment and Phase II Subsurface Investigation to investigate potential impacts from former gasoline and diesel fuel aboveground and underground storage tanks. A total of 35 soil borings and 6 monitoring wells were completed to evaluate the nature and extent of soil and groundwater contamination. Based on the results of the sampling data, Mr. Lindsay coordinated the removal of 50 cubic yards of petroleum-contaminated soil for off-site recycling. Results of a site-specific risk characterization concluded that a condition of no significant risk existed. Mr.

Lindsay prepared a Class A-2 Response Action Outcome (RAO) in closure report accordance with the MCP.

- **Construction Management, Soil Disposal Coordination and Tank Removal Activities, Kuss Middle School, Fall River, Massachusetts.** LFR was retained by an earthwork contractor to provide construction management activities and soil disposal coordination during excavation activities associated with the construction of a new middle school building. The property was formerly occupied by textile mill buildings and previous soil sampling results identified contaminated urban fill material which required off-site disposal. During soil excavation activities a 1,000-gallon abandoned underground storage tank was discovered. Mr. Lindsay supervised the removal of the tank, arranged for disposal of the tank and associated soil, and prepared a tank closure report in accordance with tank closure guidance and the Massachusetts Contingency Plan. Mr. Lindsay characterized and coordinated the removal of 1,570 tons of urban fill soils to a Massachusetts Unlined Landfill and a soil recycling facility.
- **MCP and US EPA TSCA Site Closure, Hingham Shipyard – East Side Fill Area, Hingham, Massachusetts.** At the request of a private developer, LFR was retained to delineate and remove PCB-contaminated soil from an area proposed for future residential development. Following the submittal of a US EPA-approved Self-Implementing Plan and a MassDEP-approved Release Abatement Measure (RAM) Plan, Mr. Lindsay oversaw a soil precharacterization program designed to select off-site disposal facilities for the PCB soil. Confirmatory soil samples were collected from test pits at 10-foot sampling frequencies to delineate areas of PCBs containing either greater than or less than 50 mg/kg. Discrete soil samples were collected and analyzed for PCBs in the field with a US EPA-conditionally accepted Dexsil L2000 DX screening instrument. In addition, two overburden and two bedrock groundwater monitoring wells were installed and sampled to assess groundwater conditions. Following the removal of 6,910.13 tons of greater than 50 mg/kg PCB soils and 8,240.47 tons of non-hazardous PCB soil, a site-specific risk assessment concluded that remaining PCB concentrations in soil were below the most-stringent residential cleanup criteria. Mr. Lindsay prepared a Completion of Self-Implementing Plan report and a RAM Completion and Class A-2 RAO report.
- **Precharacterization Program, Readville 5 MBTA Yard, Dedham, Massachusetts.** LFR was retained by a developer interested in constructing residential properties on a former 40-acre rail yard. Mr. Lindsay assisted in the development of a soil precharacterization sampling plan in accordance with MassDEP protocol. Mr. Lindsay supervised a total of 250 test pits in GPS-surveyed locations over a two-week period. As part of the management plan, 900 soil samples were field screened in-situ for RCRA 5 metals with an XRF instrument. The depth of fill material was determined at each location and concentrations of arsenic and lead were presented through 3-D visualization software to the client. Construction management and soil remediation alternatives have been presented at public meetings and will be implemented following public and MassDEP comment.
- **Precharacterization Program, JFK School, Waltham, Massachusetts.** Prior to overseeing field activities, Mr. Lindsay prepared a Soil Management Plan, Construction Materials Management Plan, and a worker Health & Safety Plan for construction activities. Following numerous meetings with the client, Mr. Lindsay identified and selected areas to be sampled as part of a large-scale soil characterization program involved with the redevelopment of the JFK Middle School. A total of 25 test pits were excavated in areas proposed for excavation for foundations and subsurface utilities. Soil quantities were calculated and determined to be

either regulated or unregulated materials. In order to meet stringent project deadlines, facility approvals were expedited and materials transported off-site were managed and documented. A total of 4,500 cubic yards of soil was transported to unlined landfills.

- **Underground Storage Tank Closures and Immediate Response Action, Charlestown, Massachusetts.** Prior assessments performed by LFR had identified the potential for historic USTs at a former rubber manufacturing facility. Since the facility was proposed for residential development, Mr. Lindsay supervised the completion of a supplemental subsurface investigation. Following the identification of two 'benzol' USTs through a GPR survey, a closure strategy was implemented to meet client and MassDEP expedited deadlines. Following MassDEP approvals, an immediate response action was undertaken in response to petroleum contamination in the vicinity of the USTs. Mr. Lindsay oversaw the removal and disposal of the USTs and contaminated soil and groundwater in accordance with the MCP. Mr. Lindsay prepared a response action outcome closure report for site closure in accordance with the MCP.
- **Precharacterization Programs, Logan International Airport, East Boston, Massachusetts.** Mr. Lindsay oversaw four separate soil and groundwater precharacterization programs associated with the redevelopment of the Terminal A area. Activities included supervising the advancement of 80 soil borings and test pits, the installation of monitoring wells, and the collection of 200 soil and groundwater samples. Laboratory analysis results were utilized to characterize the soils and select the most appropriate, cost-effective disposal facilities for the soils. Mr. Lindsay was also responsible for managing field staff and prepared comprehensive reports documenting the findings of the investigations. A total of 270,000 tons of soil was characterized, removed, and transported to 23 Massport and MassDEP-approved facilities. Detailed coordination with the client, subcontractors, and state officials was necessary to complete the project in an organized and timely manner. Additional responsibilities included spill management, health and safety oversight, air sampling, and the operation of temporary groundwater treatment systems for isolated jet-A fuel-impacted areas.
- **Soil Disposal Management/Subcontractor Coordination, Former Mystic Station Power Generating Facility, Everett, Massachusetts.** A total of 60,000 tons of No. 6 oil-contaminated soil and 30,000 tons of urban fill material was excavated and removed from the facility throughout the project's demolition phase. Activities included coordination with seven asphalt batching facilities, two landfills, and several transportation companies. Mr. Lindsay also assisted in the pre-characterization of excavated soil to determine proper off-site disposal alternatives. Continuous management of soil volumes and contractor invoices was necessary to expedite the soil removal process and reduce delays to the project.
- **Tidal Study, Former Mystic Station Power Generating Facility, Everett, Massachusetts.** Mr. Lindsay completed a study involving the effect of tidal fluctuation on groundwater elevation in the vicinity of a large soil excavation and two one-million-gallon bulk fuel oil tanks. The tidal data and its effect on groundwater elevation were used to assess the stability of the supporting matrix beneath the bulk oil tanks. The data assisted in the determination of the type of engineering needed to protect the structural integrity of the fuel oil tanks during planned soil excavation located adjacent to the tanks. By including the tidal fluctuation data, excavation in the immediate vicinity of the tanks was conducted without jeopardizing the tanks or causing delays to the project.

- **Multiphase Investigation, Stoughton, Massachusetts.** In order to bring the property into compliance with the MassDEP, Mr. Lindsay completed an MCP Phase I and Tier Classification to address eight areas of concern. Each area of concern was associated with a release of petroleum compounds and lead from the former use of the Site as an asphalt batching facility. Existing soil and groundwater analysis data, soil removal quantities, and previous RAM Plans completed by others were used to delineate the existing areas of contamination and propose remedial alternatives. The primary sources of subsurface impacts were attributed to asphalt fill material, liquid asphalt tanks, buried drums, and a dry well. The property was classified as a Tier II disposal site and response actions were completed under a new RAM Plan which included oxygenate injections, petroleum-contaminated soil removal, and natural attenuation monitoring. A partial RAO closure report was prepared for seven of the eight areas of concern and natural attenuation monitoring of one area is ongoing.
- **PCB Release Abatement, Former Edgar Station, Weymouth, Massachusetts.** Mr. Lindsay delineated the extent and distribution of high concentrations of PCBs impacted soil and groundwater beneath several former transformers at the facility. In accordance with US EPA TSCA regulations, activities included on-site, quantitative PCB field screening of soil, groundwater, and surface wipe samples, supervision of soil excavation, and management of soil transportation to select soil disposal facilities. Several thousand tons of PCB-impacted soil was removed, risk to on-site workers was eliminated, and future project demolition milestones were completed on schedule.
- **Multiphase Investigation and Remedial Operation Status, Sharon, Massachusetts.** Mr. Lindsay conducted a Phase I and a Phase II Comprehensive Site Assessment at a former manufacturing facility. Activities included the calculation of groundwater flow and determining the extent and distribution of chlorinated solvents in groundwater. Mr. Lindsay assisted in source area location, fate and transport – mass flux calculations, and risk assessment. As part of a Phase III study, remedial alternatives were proposed to comply with stringent drinking water standards applicable to the property. Because natural attenuation and monitoring were determined to be the most cost-effective alternatives, a Phase IV Remedy Implementation Plan and Phase V Remedial Operation Status were prepared and submitted to the MassDEP. Semi-annual groundwater monitoring and status reports are generated for client and MassDEP review.
- **Multiphase Investigation, Stoughton, Massachusetts.** Mr. Lindsay completed a Phase I Site Assessment at a former trucking facility. Activities included the review of prior U.S. Environmental Protection Agency (U.S. EPA) CERCLA investigations, identification of an underground storage tank, and completion of a Tier Classification for the property. A Phase II Comprehensive Site Assessment completed by Mr. Lindsay included the installation of several soil borings and monitoring wells and removal of an underground storage tank and impacted soil in order to delineate subsurface impacts. A Method 3 risk characterization was completed utilizing all existing site data and an RAO closure report was completed.
- **RAOs and Activity and Use Limitations (AULs), Cambridge, Massachusetts.** Several subsurface investigations designed to delineate the extent of urban fill material were supervised by Mr. Lindsay on six parcels of industrial land in Cambridge. At each parcel, site-specific risk characterizations followed by the preparation of separate Activity and Use Limitations restrictive of current and future site uses were completed in order to effectively ‘close’ the parcels under the MCP.

- **Phase I and Phase II Environmental Investigations, Mesa, Arizona.** Mr. Lindsay completed Phase I and Phase II environmental investigations at a dry cleaning facility and oversaw several Geoprobe borings. Based on soil sampling results, a risk characterization was conducted in order to bring the property into compliance with State of Arizona regulations.
- **Corrective Action Plan and Underground Storage Tank Removal, Alexandria, Virginia.** Mr. Lindsay monitored and maintained a groundwater petroleum extraction system for two years at an active trucking facility. After supervising the dismantling of the groundwater extraction system, over 900 tons of petroleum-contaminated soil was removed and the property was closed in accordance with Virginia regulations.

REGISTRATIONS/CERTIFICATIONS

Professional Geologist, New Hampshire, No. 590

Massachusetts Asbestos Inspector Training

Hazardous Materials Transportation Training and Testing – US DOT

OSHA HazWOPER and Emergency Response Training – 40-hour and Annual 8-hour Refreshers

Niton X-Ray Fluorescent Analyzer (XRF) Certified

PROFESSIONAL HISTORY

LFR, Inc., Senior Project Geologist, April 1999 to present

Ransom Environmental Consultants, Inc., Project Geologist, July 1995 to April 1999